

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052144.D
 Acq On : 5 Nov 2018 13:09
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Quant Time: Nov 05 22:19:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	358207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	628311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211370	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.03	65	23015	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	7.59	113	19259	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	10.09	98	75277	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.40	95	22019	4.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.90%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.85	85	14654	4.691	ug/l	90
3) Chloromethane	2.06	50	20809	4.936	ug/l	100
4) Vinyl Chloride	2.19	62	20544	5.088	ug/l	99
5) Bromomethane	2.57	94	16050	5.317	ug/l	86
6) Chloroethane	2.71	64	13560	5.252	ug/l	93
7) Trichlorofluoromethane	3.02	101	30869	5.263	ug/l	97
8) Diethyl Ether	3.41	74	10468	5.108	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	19205	5.479	ug/l #	82
10) Methyl Iodide	3.96	142	22362	4.519	ug/l	98
11) Tert butyl alcohol	4.77	59	4706m	25.462	ug/l	
12) 1,1-Dichloroethene	3.74	96	16812	5.095	ug/l	95
13) Acrolein	3.60	56	3558	21.412	ug/l #	48
14) Allyl chloride	4.33	41	25848	4.693	ug/l	93
15) Acrylonitrile	4.99	53	30257m	24.885	ug/l	
16) Acetone	3.82	43	23923	24.859	ug/l	94
17) Carbon Disulfide	4.06	76	44288	4.703	ug/l	99
18) Methyl Acetate	4.33	43	16075	5.398	ug/l #	88
19) Methyl tert-butyl Ether	5.04	73	45304	4.984	ug/l	95
20) Methylene Chloride	4.55	84	21120	5.282	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	18029	5.254	ug/l	95
22) Diisopropyl ether	5.95	45	60540	4.986	ug/l	91
23) Vinyl Acetate	5.89	43	186678	23.375	ug/l	99
24) 1,1-Dichloroethane	5.85	63	35778m	5.209	ug/l	
25) 2-Butanone	6.83	43	39551	26.505	ug/l	93
26) 2,2-Dichloropropane	6.83	77	27005	5.027	ug/l #	74
27) cis-1,2-Dichloroethene	6.83	96	20573	4.942	ug/l	96
28) Bromochloromethane	7.20	49	15522	4.774	ug/l	97
29) Tetrahydrofuran	7.21	42	21850	23.665	ug/l #	81
30) Chloroform	7.37	83	34754	5.081	ug/l	97
31) Cyclohexane	7.66	56	37585	4.847	ug/l #	82
32) 1,1,1-Trichloroethane	7.58	97	29871	4.923	ug/l	97
36) 1,1-Dichloropropene	7.80	75	26488	4.766	ug/l	96
37) Ethyl Acetate	6.93	43	14083	4.024	ug/l #	80
38) Carbon Tetrachloride	7.78	117	24828	4.471	ug/l #	95

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Manual Integrations
 APPROVED

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 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	30738	4.669	ug/l	92
40) Benzene	8.04	78	80839	4.947	ug/l	97
41) Methacrylonitrile	7.18	41	8870	4.931	ug/l #	71
42) 1,2-Dichloroethane	8.12	62	24576	4.679	ug/l	99
43) Isopropyl Acetate	8.16	43	28674	4.521	ug/l #	83
44) Trichloroethene	8.84	130	19365	4.476	ug/l	87 MMDadoda
45) 1,2-Dichloropropane	9.12	63	20954	4.842	ug/l	95
46) Dibromomethane	9.20	93	13114	4.765	ug/l	95
47) Bromodichloromethane	9.40	83	25581	4.766	ug/l	99
48) Methyl methacrylate	9.20	41	14502	4.751	ug/l	97
49) 1,4-Dioxane	9.21	88	2232	90.600	ug/l #	21 11/6/2018 9:59:44 AM
51) 4-Methyl-2-Pentanone	9.98	43	78998	23.578	ug/l	99
52) Toluene	10.16	92	45470	4.615	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	22182	4.213	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	27551	4.472	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	16335	4.702	ug/l #	87
56) Ethyl methacrylate	10.43	69	20662	4.563	ug/l	99
57) 1,3-Dichloropropane	10.71	76	29036	4.744	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	46461	19.066	ug/l	97
59) 2-Hexanone	10.75	43	55609	23.842	ug/l	99
60) Dibromochloromethane	10.90	129	17271	4.372	ug/l	91
61) 1,2-Dibromoethane	11.00	107	16656	4.723	ug/l	91
64) Tetrachloroethene	10.63	164	16703	4.702	ug/l	96
65) Chlorobenzene	11.43	112	52235	4.674	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	16483	4.392	ug/l	95
67) Ethyl Benzene	11.51	91	87819	4.731	ug/l	96
68) m/p-Xylenes	11.62	106	64094	8.949	ug/l	91
69) o-Xylene	11.95	106	32290	4.649	ug/l	99
70) Styrene	11.96	104	49528	4.504	ug/l	100
71) Bromoform	12.12	173	9039	4.159	ug/l #	90
73) Isopropylbenzene	12.25	105	82203	5.144	ug/l	99
74) N-amyl acetate	12.07	43	23290	4.603	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	18218	5.208	ug/l	90
76) 1,2,3-Trichloropropane	12.55	75	15601m	5.529	ug/l	
77) Bromobenzene	12.52	156	18331	4.810	ug/l	89
78) n-propylbenzene	12.59	91	92407	5.059	ug/l	97
79) 2-Chlorotoluene	12.67	91	57588	5.377	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	65827	5.089	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	3832	4.125	ug/l	90
82) 4-Chlorotoluene	12.77	91	55733	5.177	ug/l	95
83) tert-Butylbenzene	12.99	119	58837	5.151	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	65160	5.060	ug/l	98
85) sec-Butylbenzene	13.17	105	78287	5.069	ug/l	97
86) p-Isopropyltoluene	13.29	119	62432	4.802	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	33167	4.925	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	33034	4.907	ug/l	88
89) n-Butylbenzene	13.61	91	52970	4.705	ug/l	97
90) Hexachloroethane	13.87	117	11040	5.039	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	31196	4.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2344	5.076	ug/l	89

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

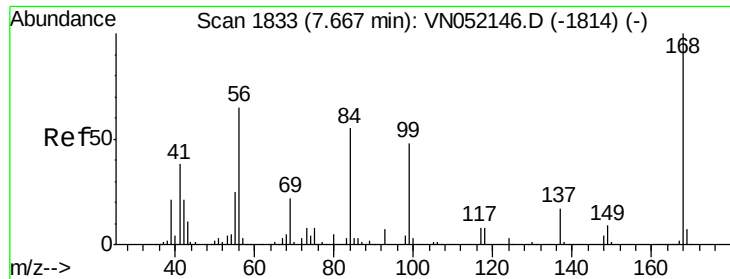
Quant Time: Nov 05 22:19:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 22:07:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11228	3.822	ug/l	99
94) Hexachlorobutadiene	15.01	225	7683	4.499	ug/l	95
95) Naphthalene	15.13	128	26212	4.050	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	9996	3.840	ug/l	90

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

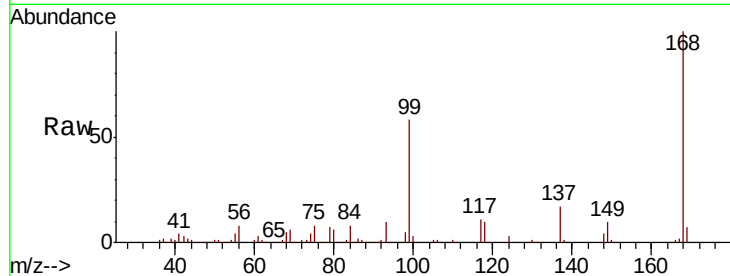
Tot Ion:168 Resp: 358207

Ion Ratio Lower Upper

168 100

99 57.9 45.4 68.2

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Abundance Ion 167.90 (167.60 to 168.60): VN052144.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052144.D (-1814) (-)

7.67

150000

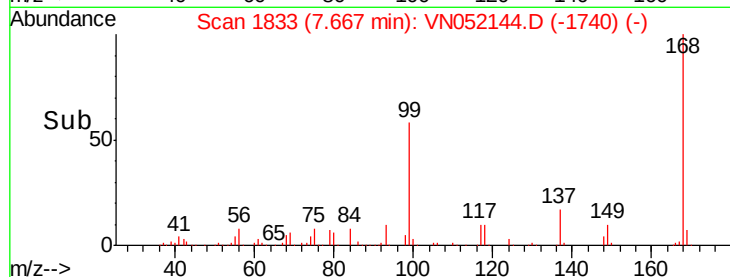
100000

50000

0

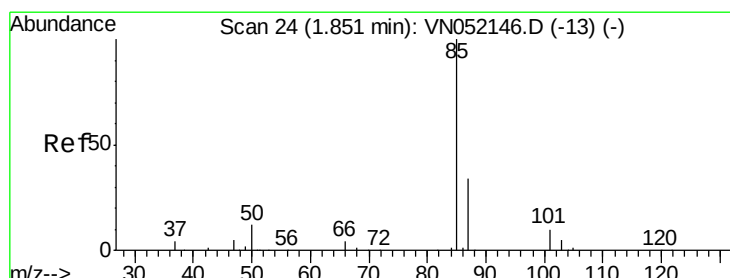
7.55 7.60 7.65 7.70 7.75

Time-->



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#2

Dichlorodifluoromethane

Concen: 4.691 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052144.D

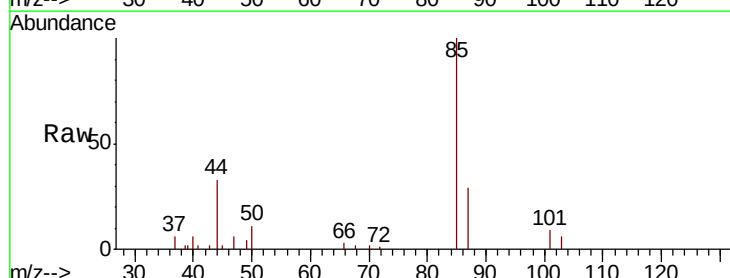
Acq: 5 Nov 2018 13:09

Tgt Ion: 85 Resp: 14654

Ion Ratio Lower Upper

85 100

87 28.5 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN052144.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052144.D (-13) (-)

1.85

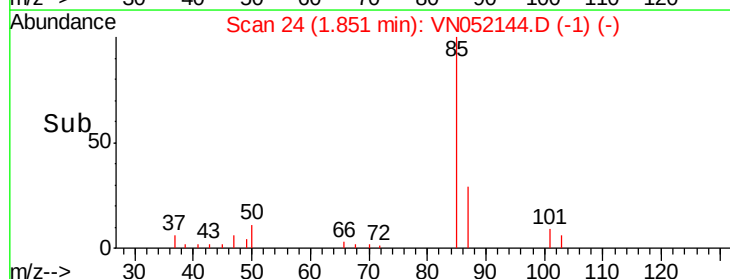
10000

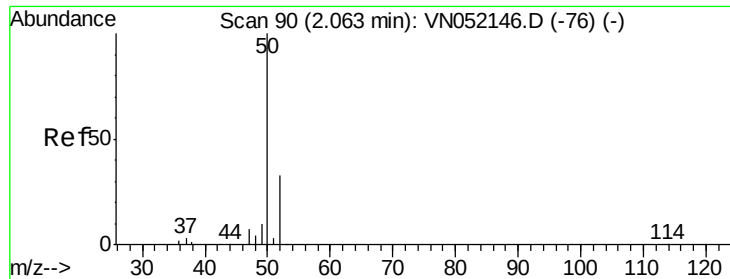
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.936 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

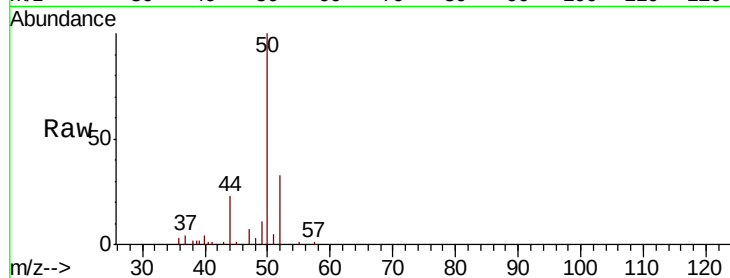
Tot Ion: 50 Resp: 20809

Ion Ratio Lower Upper

50 100

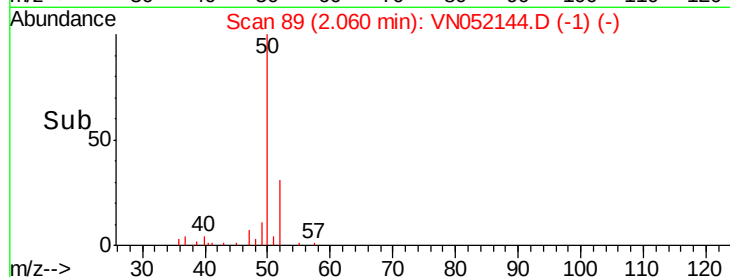
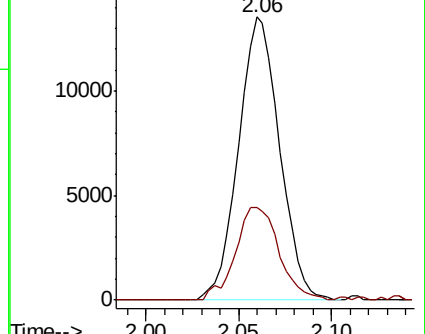
52 32.9 26.2 39.4

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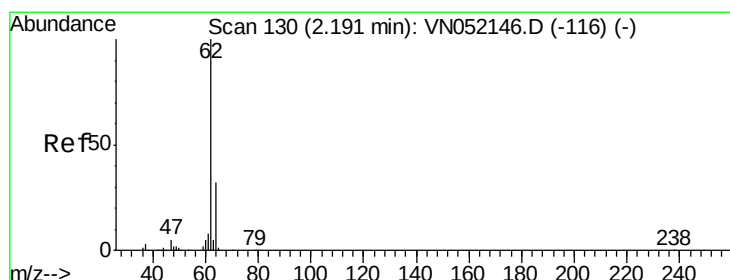
Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



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#4

Vinyl Chloride

Concen: 5.088 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052144.D

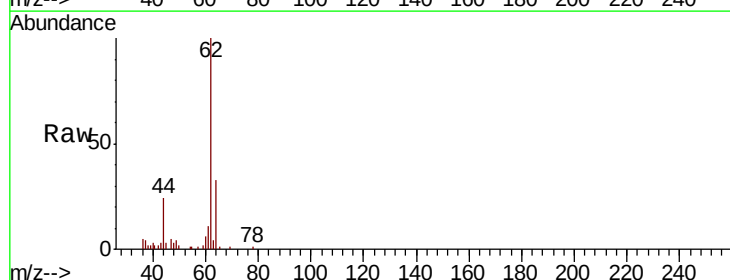
Acq: 5 Nov 2018 13:09

Tgt Ion: 62 Resp: 20544

Ion Ratio Lower Upper

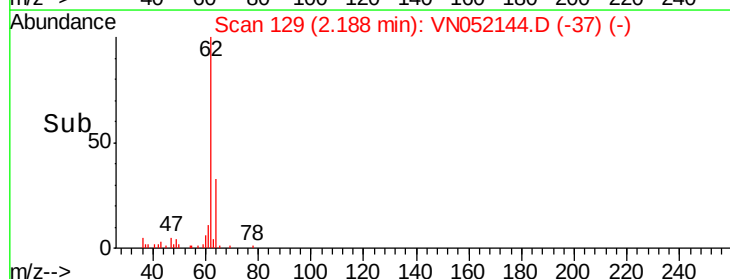
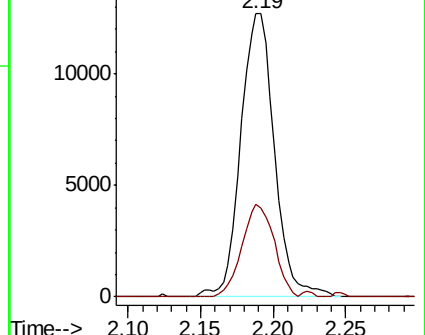
62 100

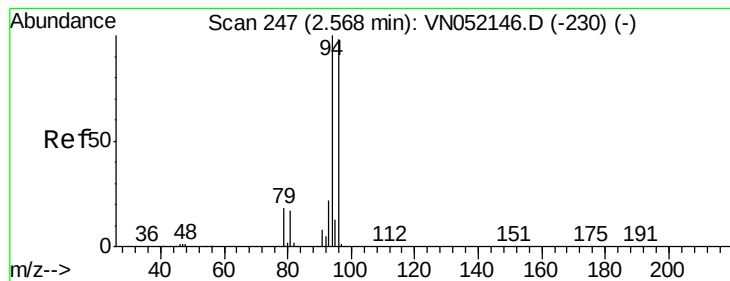
64 32.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.317 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

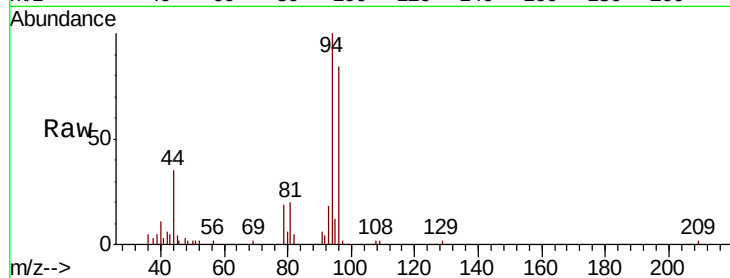
Tot Ion: 94 Resp: 16050

Ion Ratio Lower Upper

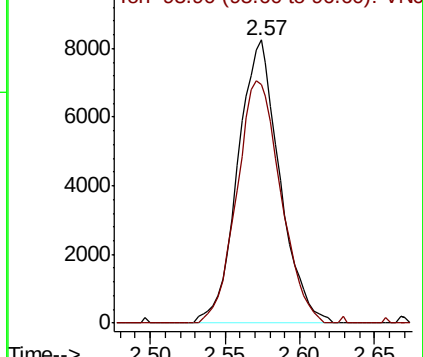
94 100

96 84.1 78.3 117.5

Manual Integrations
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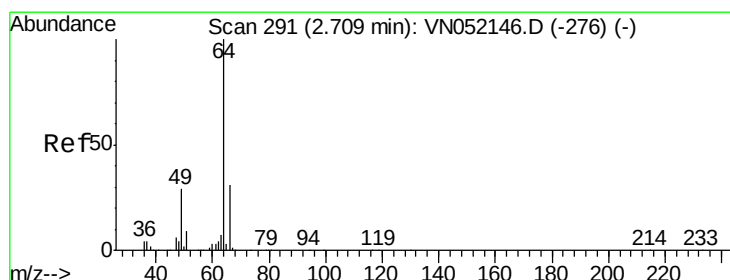
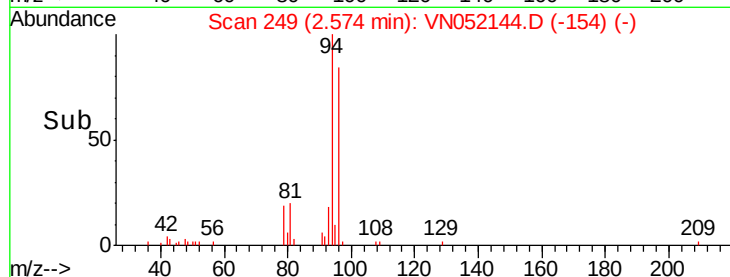


Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



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#6

Chloroethane

Concen: 5.252 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052144.D

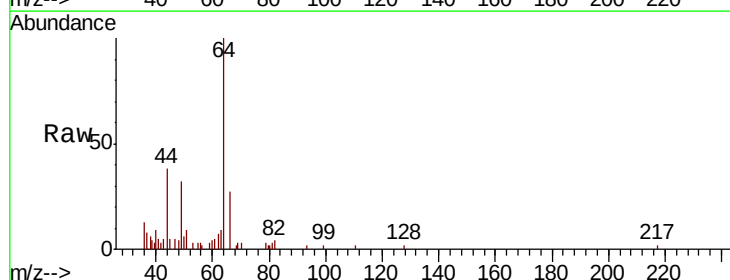
Acq: 5 Nov 2018 13:09

Tgt Ion: 64 Resp: 13560

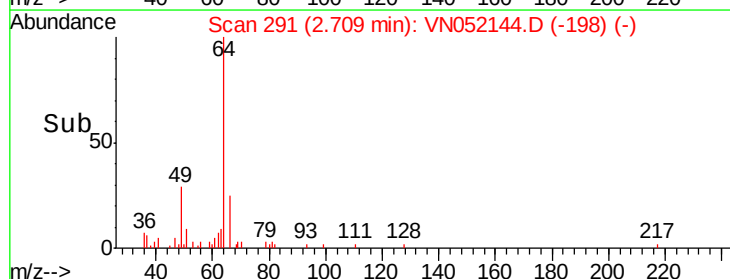
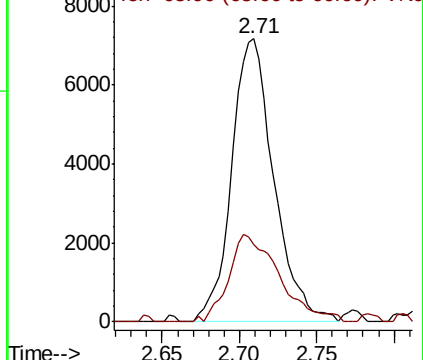
Ion Ratio Lower Upper

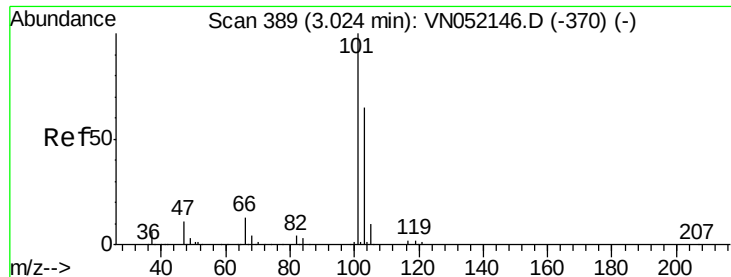
64 100

66 27.3 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





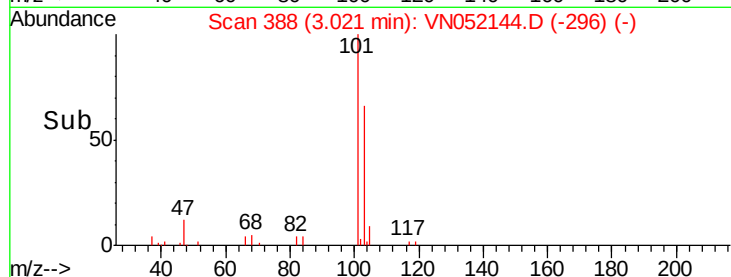
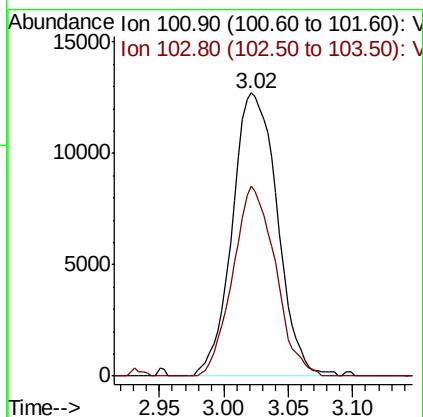
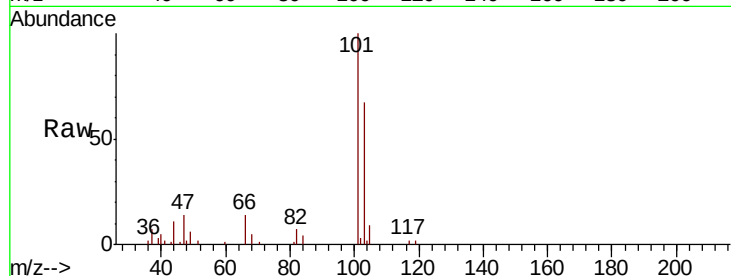
#7

Trichlorofluoromethane
Concen: 5.263 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

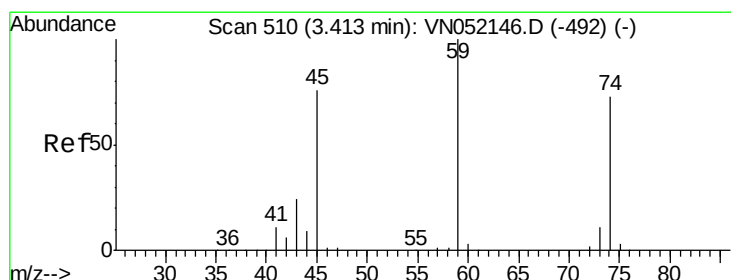
Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.2	78.4

Manual Integrations
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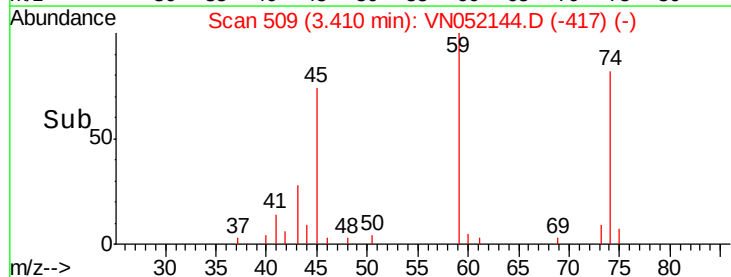
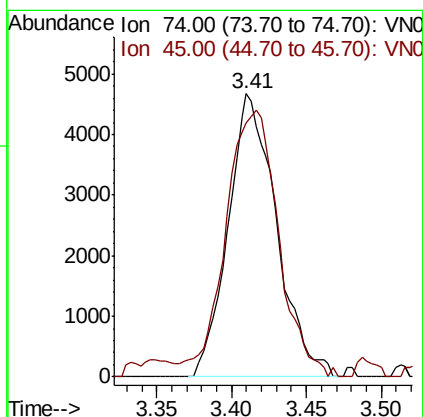
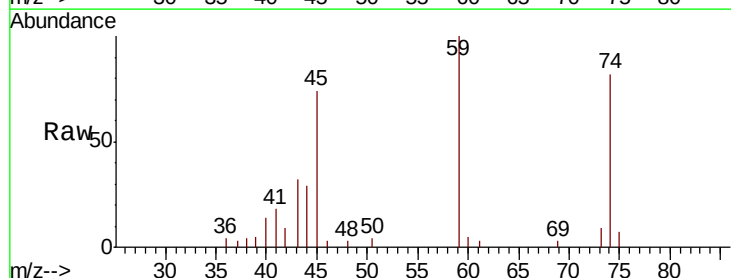
11/6/2018 9:59:44 AM

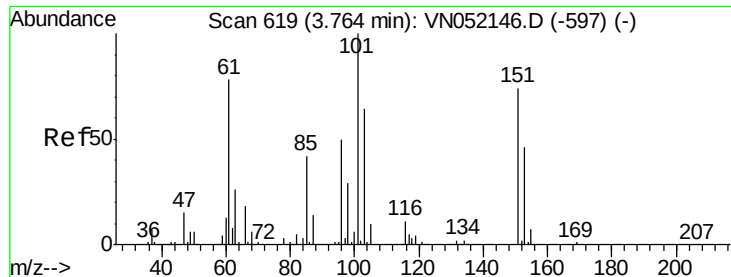


#8

Diethyl Ether
Concen: 5.108 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.479 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

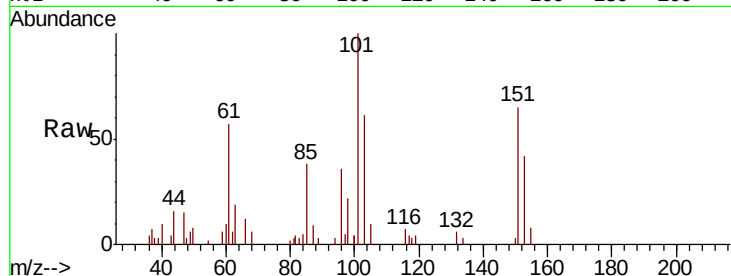
MSVOA_N

ClientSampled :

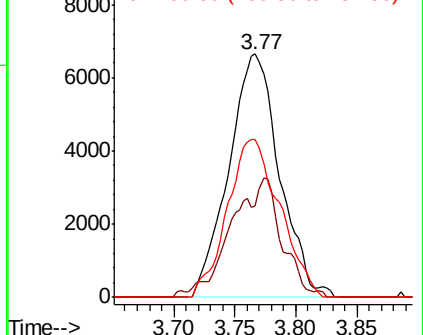
VSTDIC005

Tot Ion:	101	Resp:	19205
Ion Ratio	Lower	Upper	
101	100		
85	22.9	36.1	54.1#
151	67.1	59.7	89.5

Manual Integrations
APPROVED

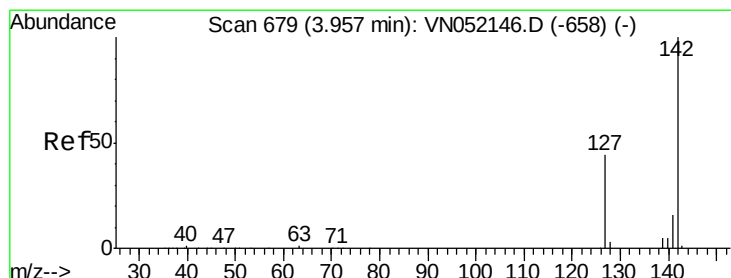
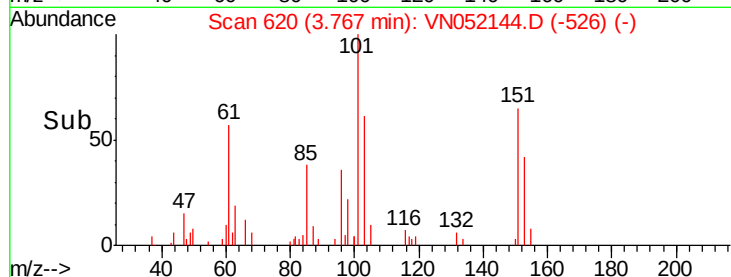


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 4.519 ug/l

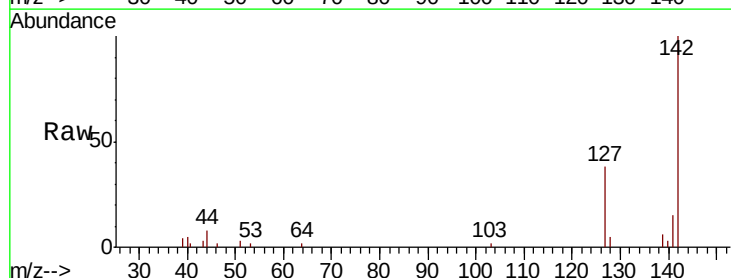
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

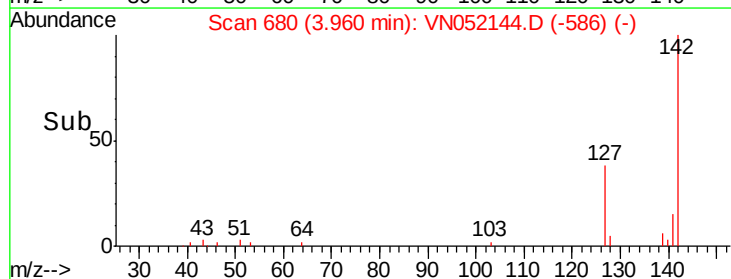
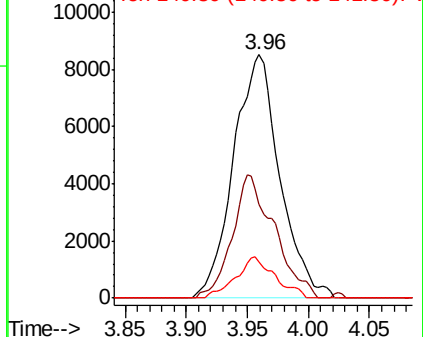
Lab File: VN052144.D

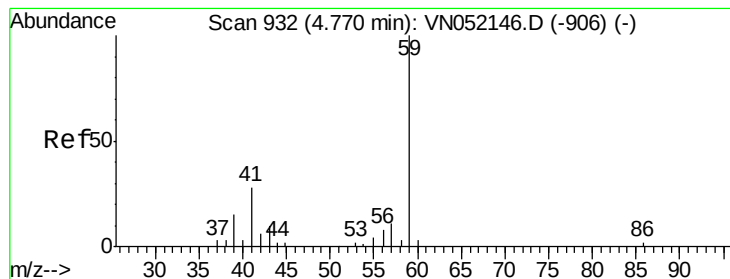
Acq: 5 Nov 2018 13:09

Tgt Ion:	142	Resp:	22362
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.0	54.0
141	14.3	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





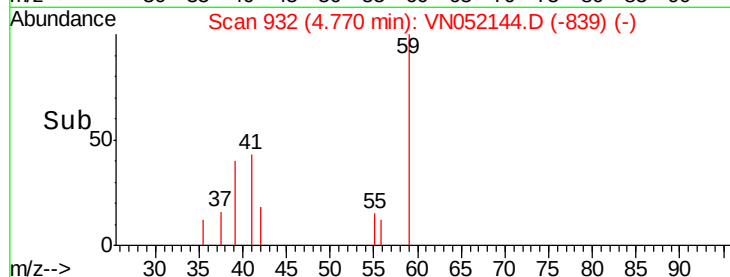
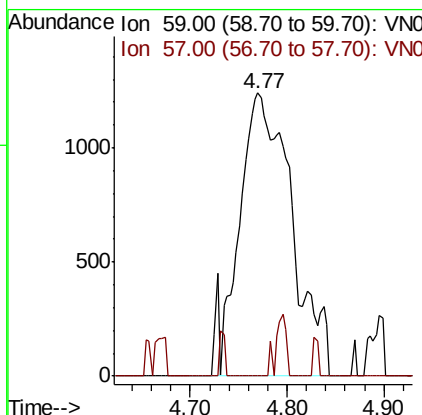
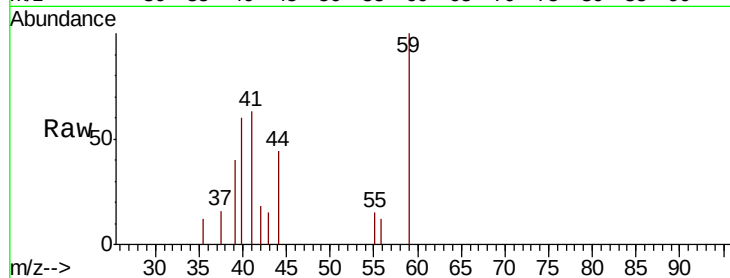
#11

Tert butyl alcohol
 Concen: 25.462 ug/l m
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

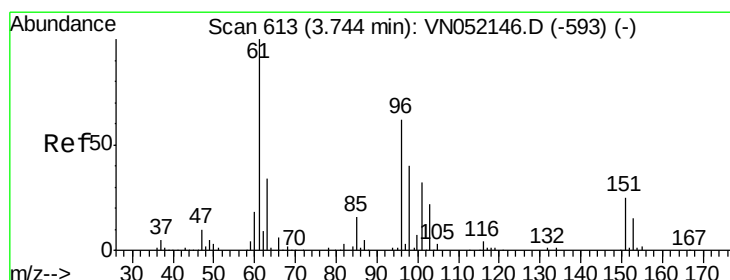
Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.7	8.5#

Manual Integrations
 APPROVED



MMDadoda

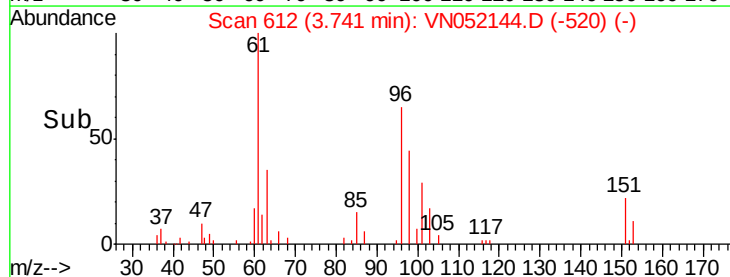
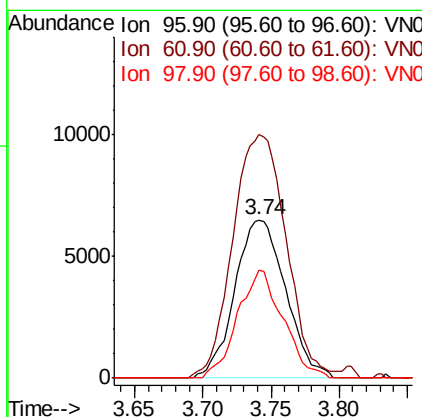
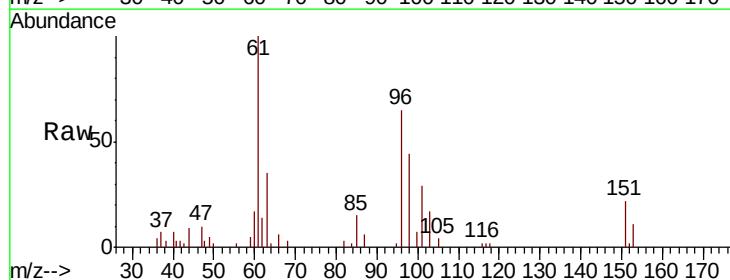
11/6/2018 9:59:44 AM

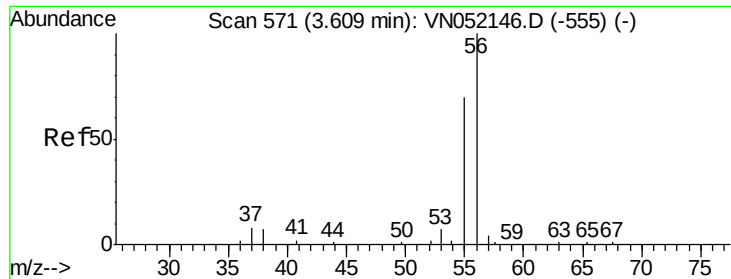


#12

1,1-Dichloroethene
 Concen: 5.095 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	128.4	192.6
98	68.5	50.9	76.3





#13

Acrolein

Concen: 21.412 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

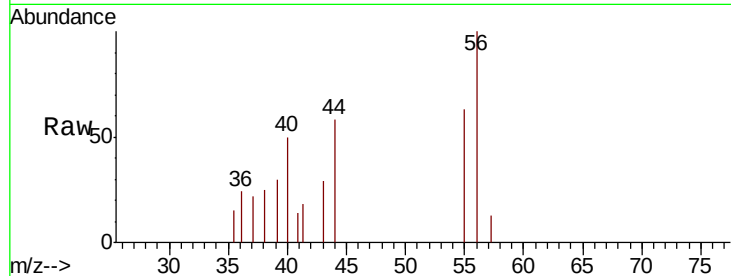
Tot Ion: 56 Resp: 3558

Ion Ratio Lower Upper

56 100

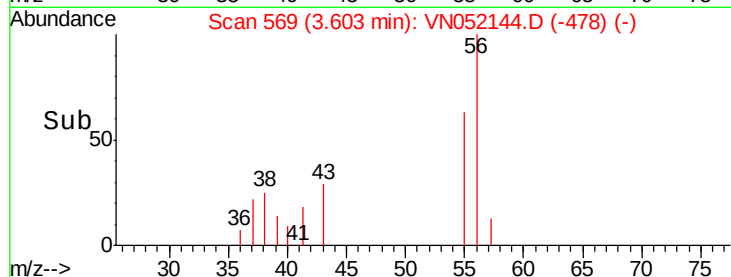
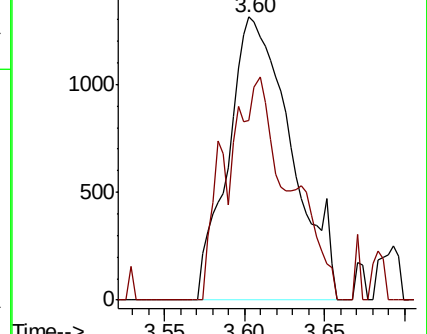
55 28.2 56.6 84.8#

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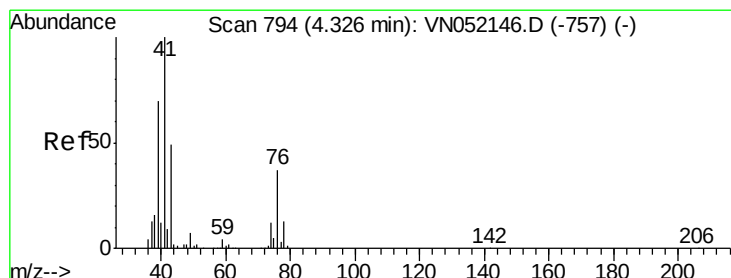
Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



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#14

Allyl chloride

Concen: 4.693 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

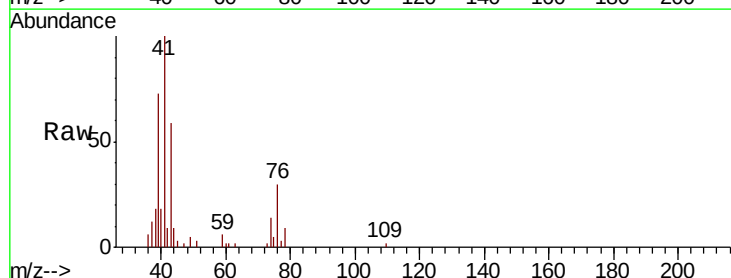
Tgt Ion: 41 Resp: 25848

Ion Ratio Lower Upper

41 100

39 75.2 55.3 82.9

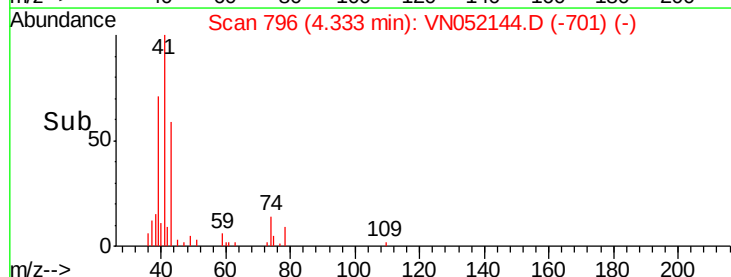
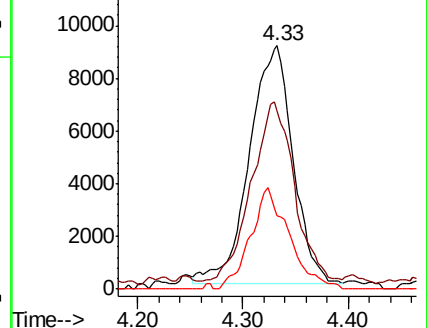
76 38.0 27.8 41.8

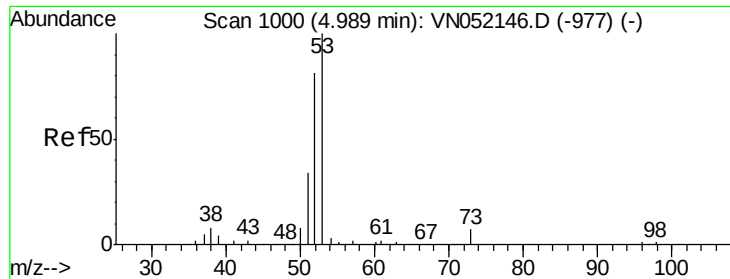


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 24.885 ug/l m

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

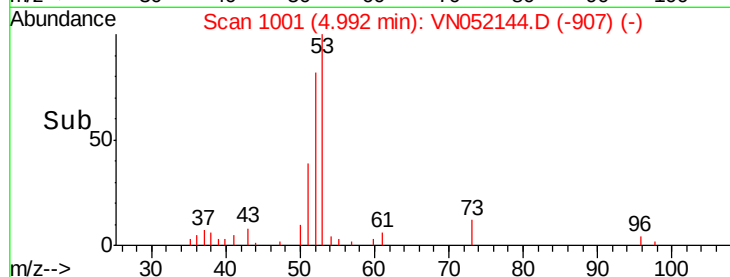
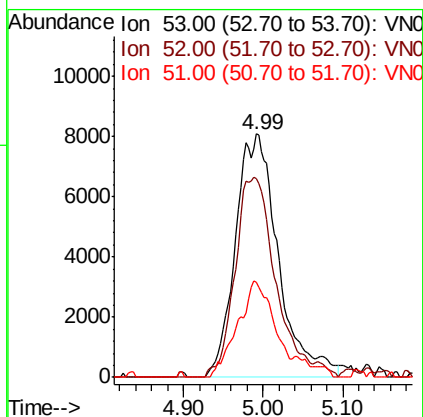
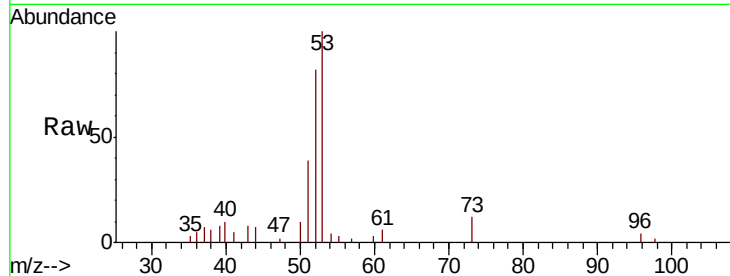
MSVOA_N

ClientSampled :

VSTDIC005

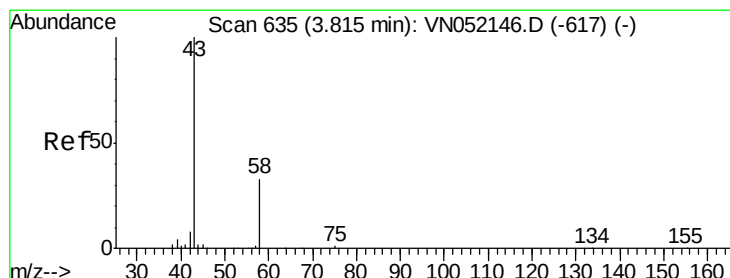
Tot Ion:	53	Resp:	30257
Ion	Ratio	Lower	Upper
53	100		
52	76.6	66.5	99.7
51	33.6	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 24.859 ug/l

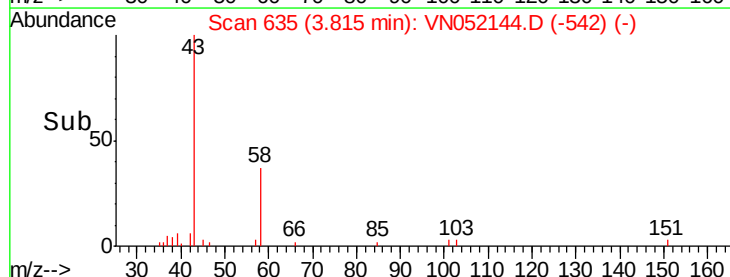
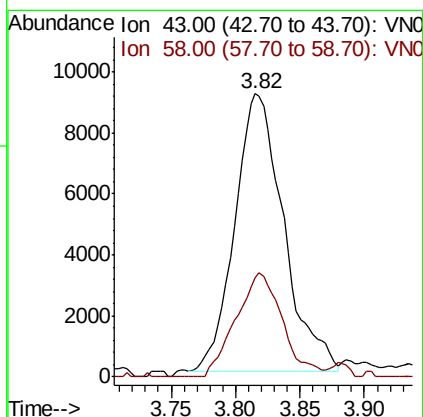
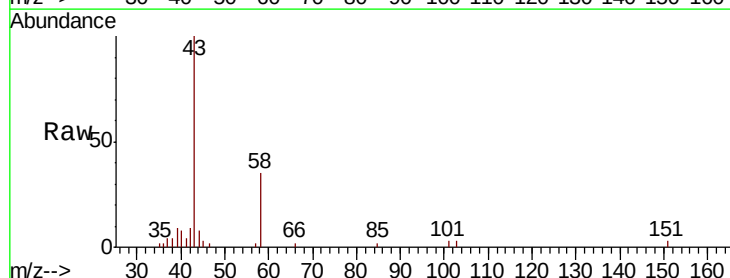
RT: 3.82 min Scan# 635

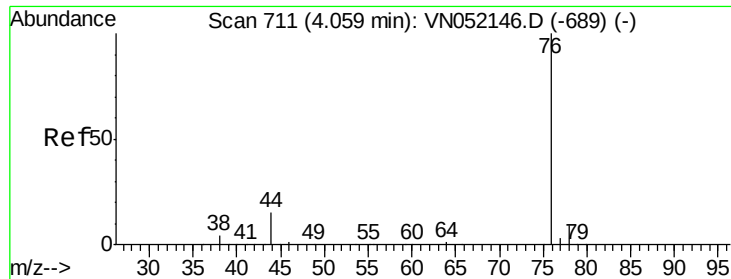
Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Tgt Ion:	43	Resp:	23923
Ion	Ratio	Lower	Upper
43	100		
58	35.8	26.2	39.2



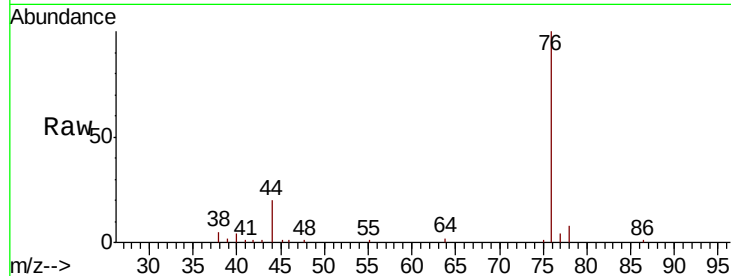


#17
Carbon Disulfide
Concen: 4.703 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

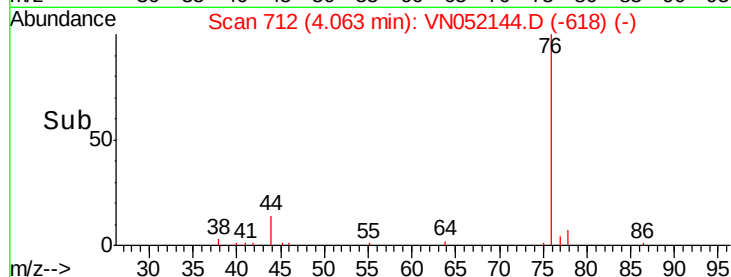
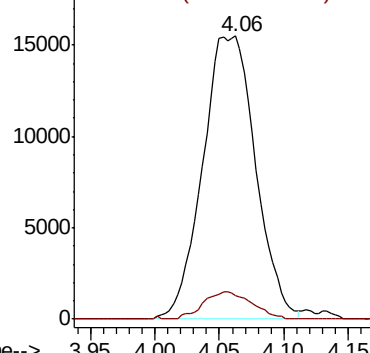
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 76 Resp: 44288
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6

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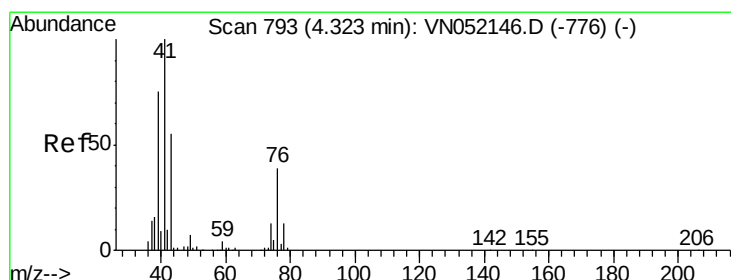


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0



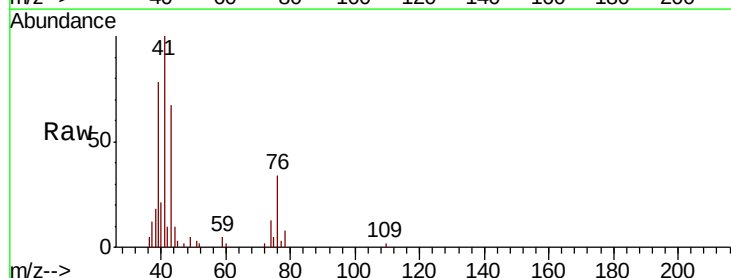
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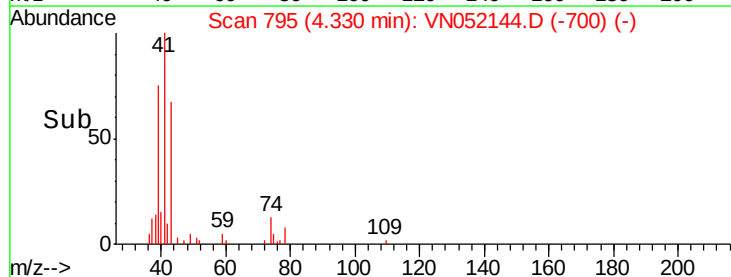
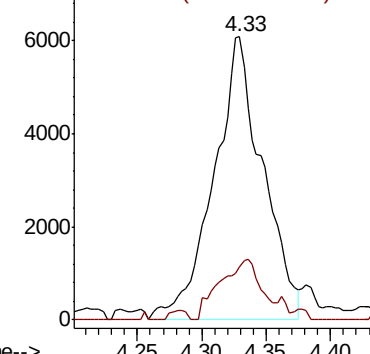


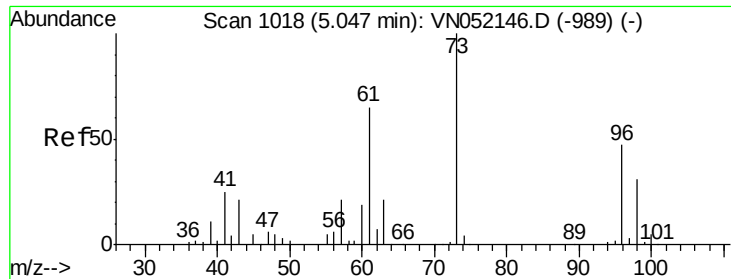
#18
Methyl Acetate
Concen: 5.398 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion: 43 Resp: 16075
Ion Ratio Lower Upper
43 100
74 18.1 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0



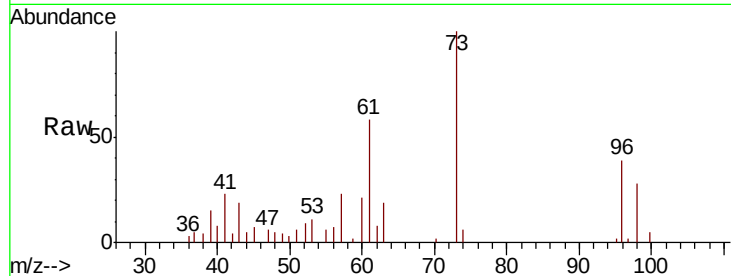


#19
Methyl tert-butyl Ether
Concen: 4.984 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

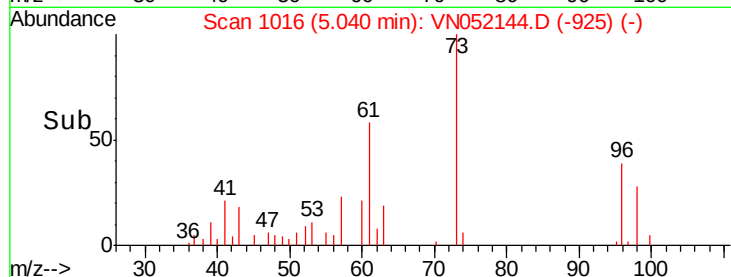
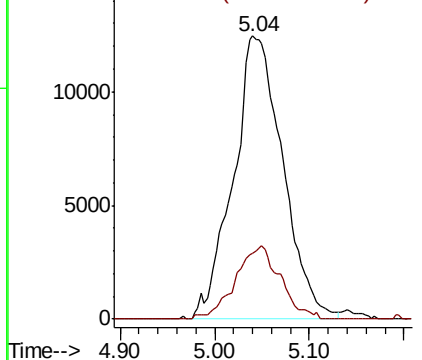
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 45304
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2

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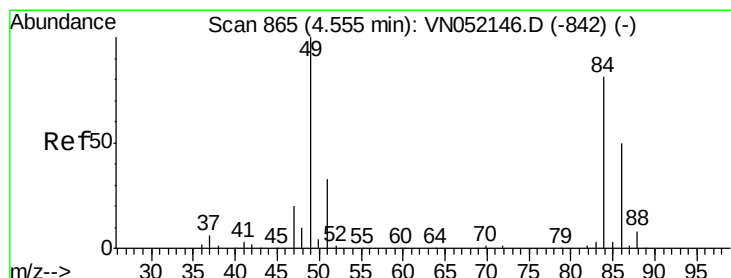


Abundance Ion 73.00 (72.70 to 73.70): VN052144.D (-925) (-)
Ion 57.00 (56.70 to 57.70): VN052144.D (-925) (-)



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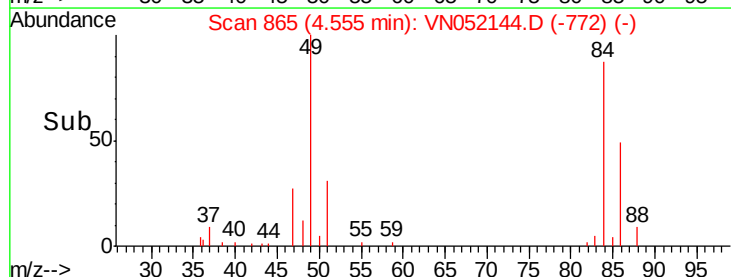
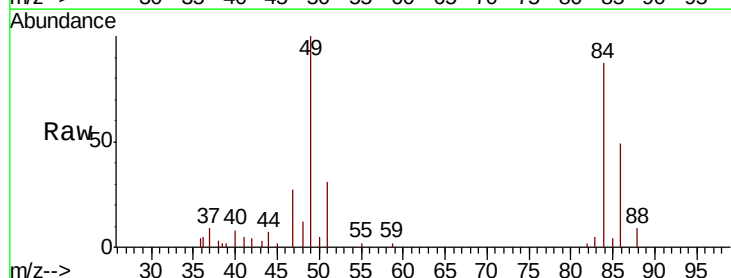
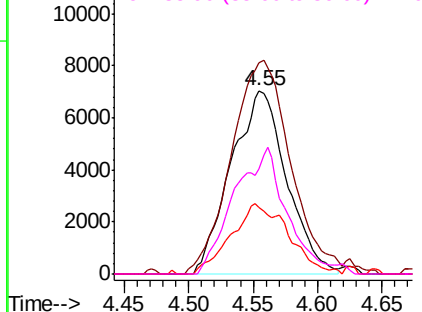
11/6/2018 9:59:44 AM

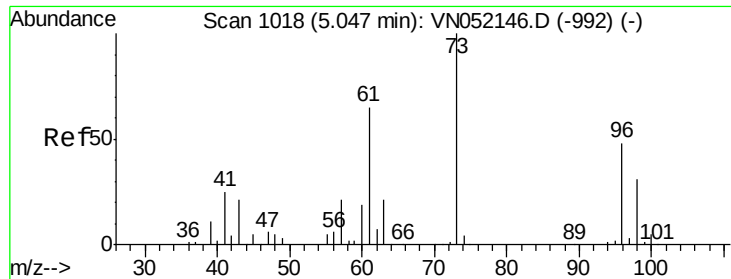


#20
Methylene Chloride
Concen: 5.282 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion: 84 Resp: 21120
Ion Ratio Lower Upper
84 100
49 112.2 98.4 147.6
51 36.3 32.5 48.7
86 57.0 49.7 74.5

Abundance Ion 83.90 (83.60 to 84.60): VN052144.D (-772) (-)
Ion 48.90 (48.60 to 49.60): VN052144.D (-772) (-)
Ion 50.90 (50.60 to 51.60): VN052144.D (-772) (-)
Ion 85.90 (85.60 to 86.60): VN052144.D (-772) (-)





#21

trans-1,2-Dichloroethene

Concen: 5.254 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 18029

Ion Ratio Lower Upper

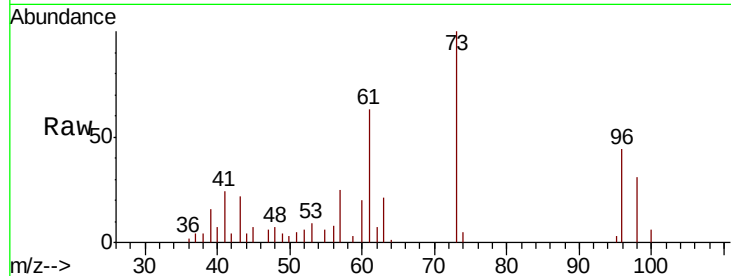
96 100

61 141.4 109.6 164.4

98 70.2 52.0 78.0

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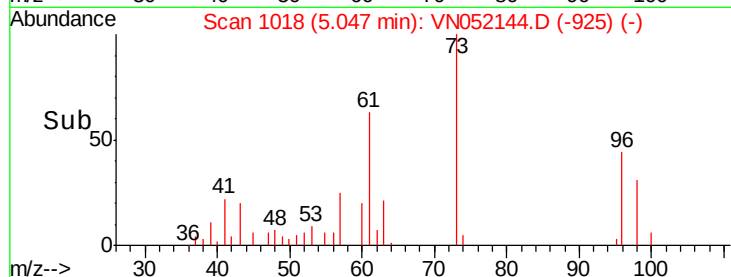
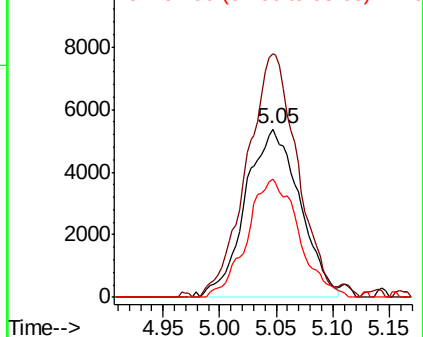


Abundance

Ion 95.90 (95.60 to 96.60): VNO

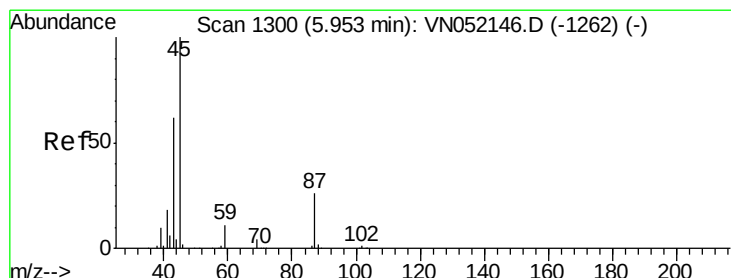
Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



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#22

Diisopropyl ether

Concen: 4.986 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Tgt Ion: 45 Resp: 60540

Ion Ratio Lower Upper

45 100

43 72.0 49.8 74.6

87 28.8 21.1 31.7

59 12.0 8.9 13.3

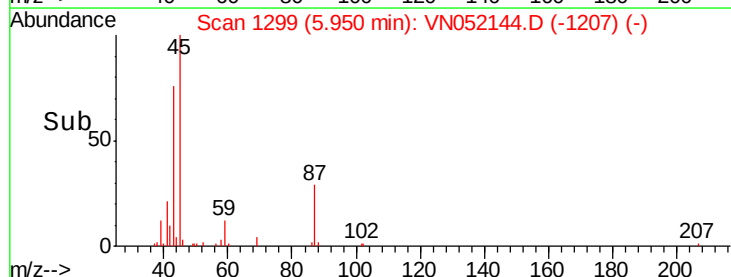
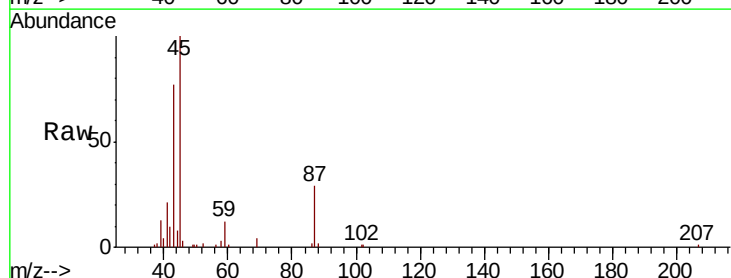
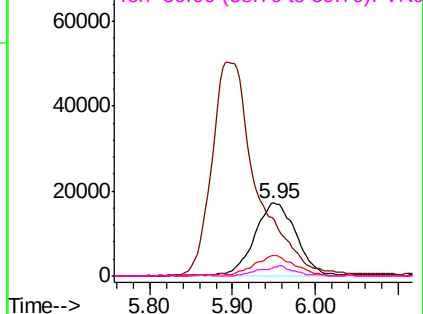
Abundance

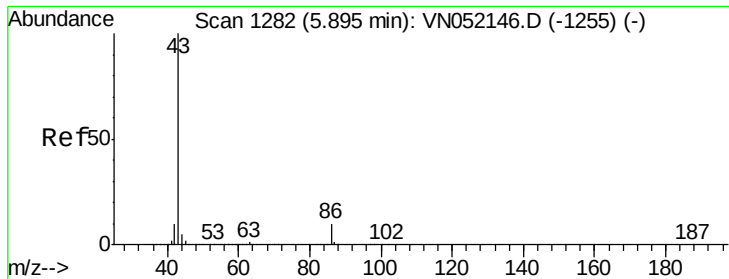
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO



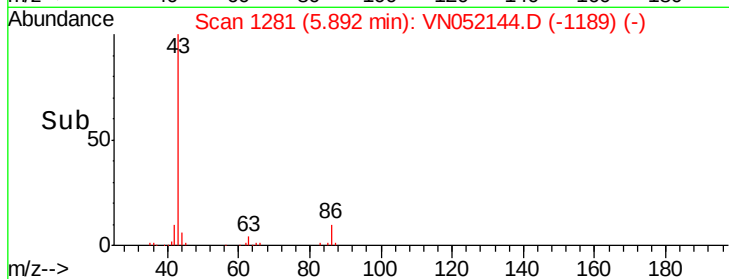
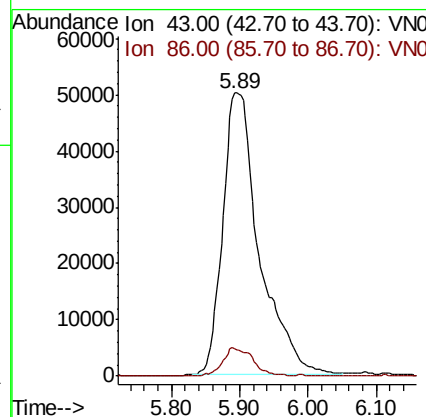
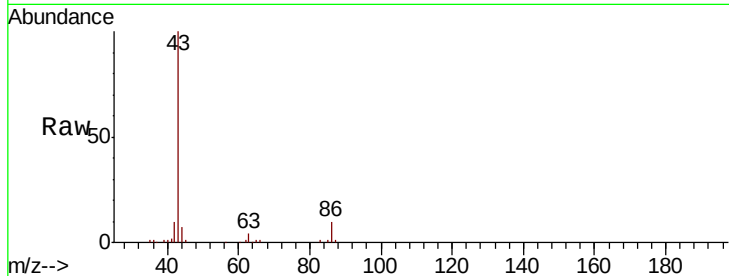


#23
 Vinyl Acetate
 Concen: 23.375 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

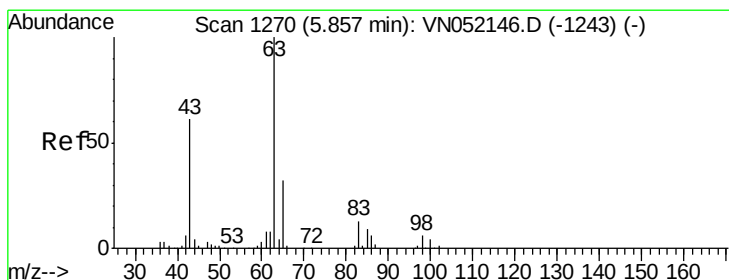
Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.9	11.9

Manual Integrations
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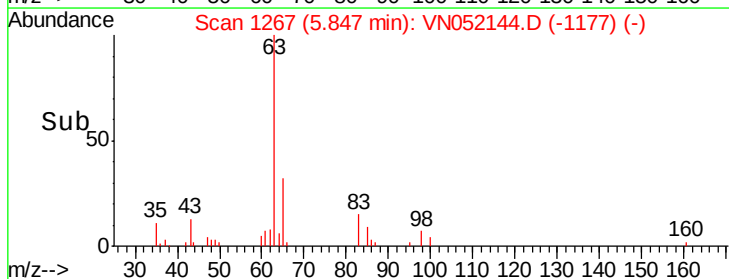
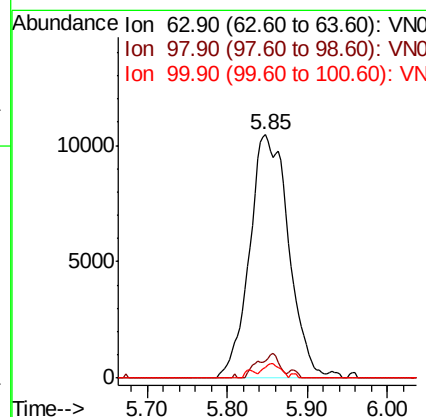
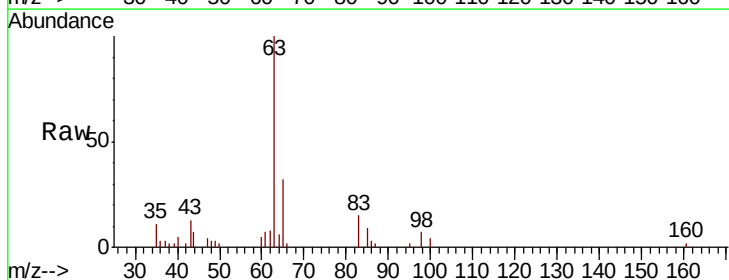
MMDadoda

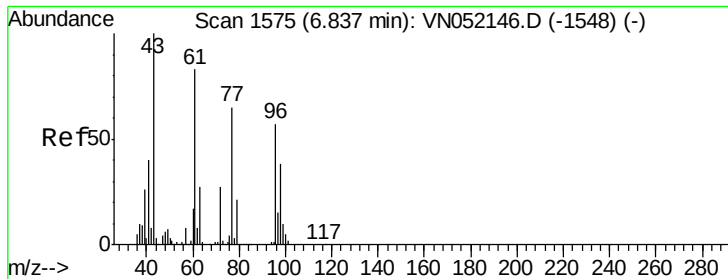
11/6/2018 9:59:44 AM



#24
 1,1-Dichloroethane
 Concen: 5.209 ug/l m
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.1	9.4
100	4.4	2.1	6.2





#25

2-Butanone

Concen: 26.505 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

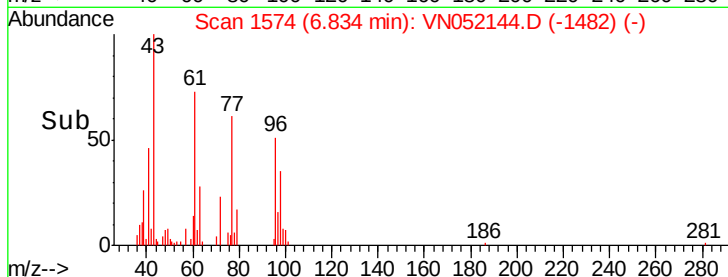
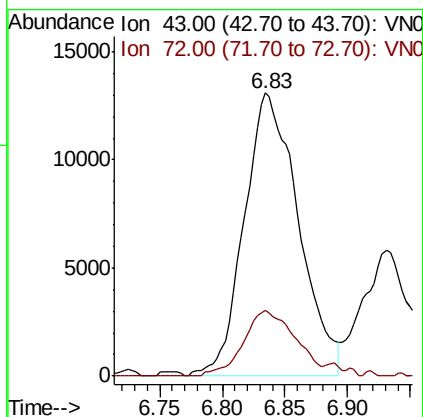
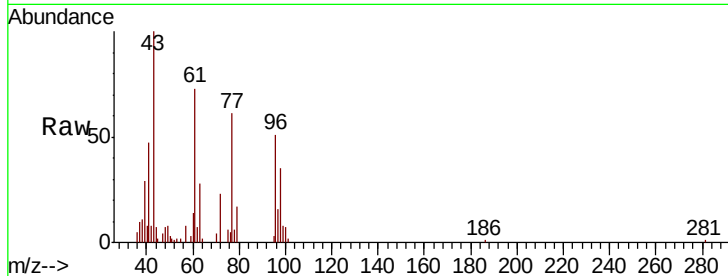
Tot Ion: 43 Resp: 39551

Ion Ratio Lower Upper

43 100

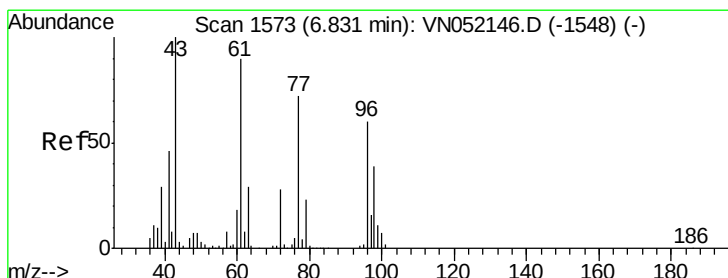
72 23.3 21.4 32.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.027 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052144.D

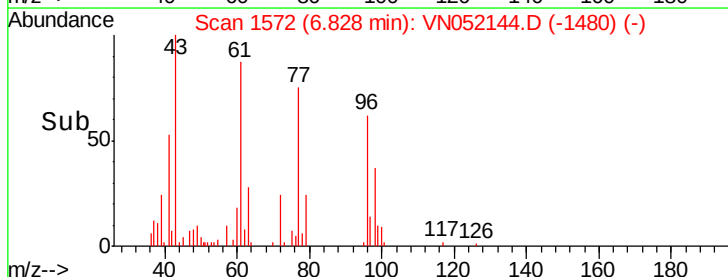
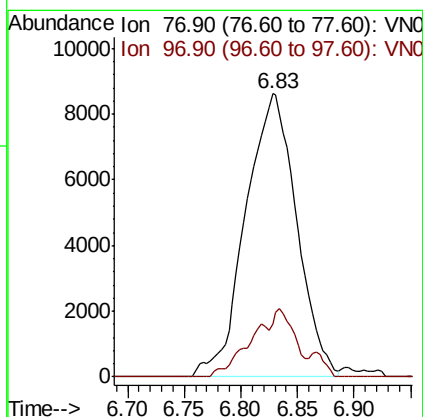
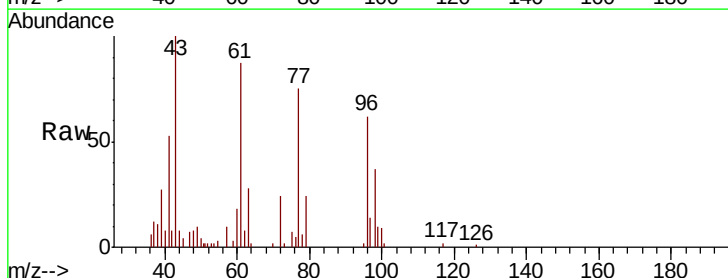
Acq: 5 Nov 2018 13:09

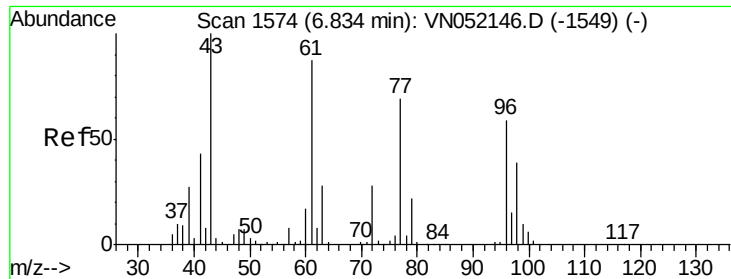
Tgt Ion: 77 Resp: 27005

Ion Ratio Lower Upper

77 100

97 10.2 11.4 34.1#



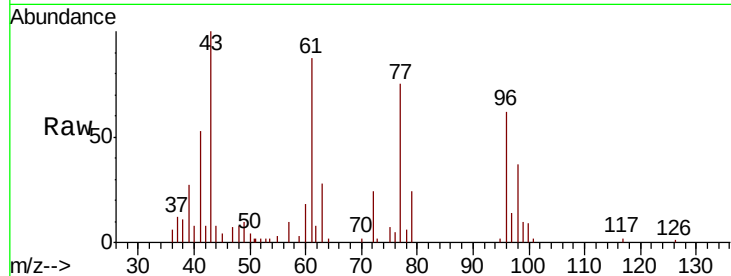


#27
 cis-1,2-Dichloroethene
 Concen: 4.942 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

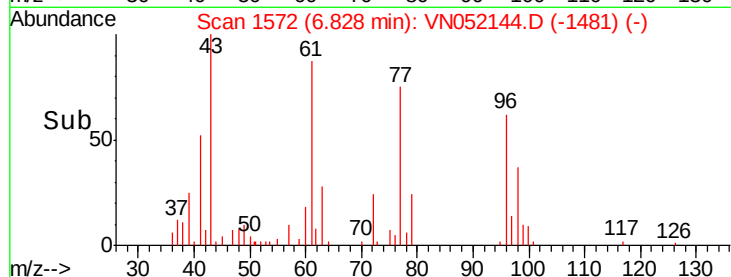
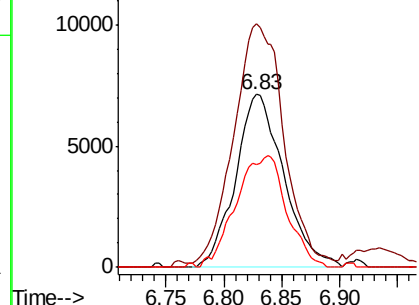
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	291.8
98	68.0	0.0	130.0

Manual Integrations
 APPROVED

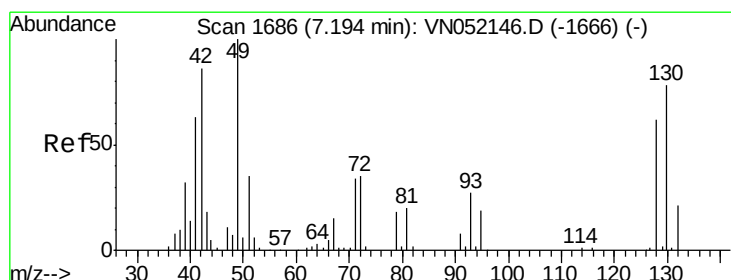


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0



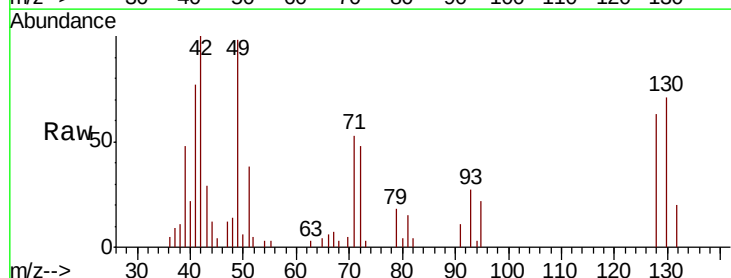
MMDadoda

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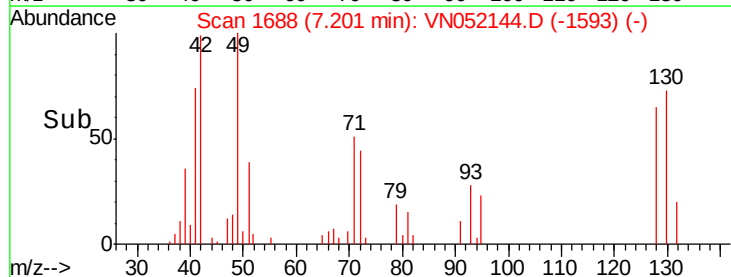
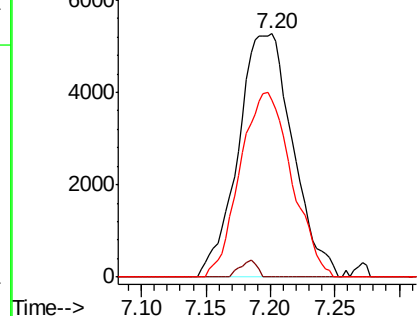


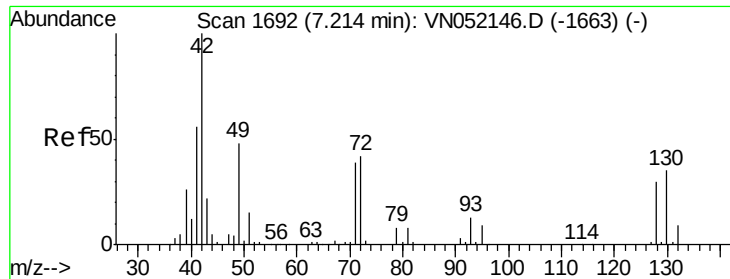
#28
 Bromochloromethane
 Concen: 4.774 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	71.8	59.8	89.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



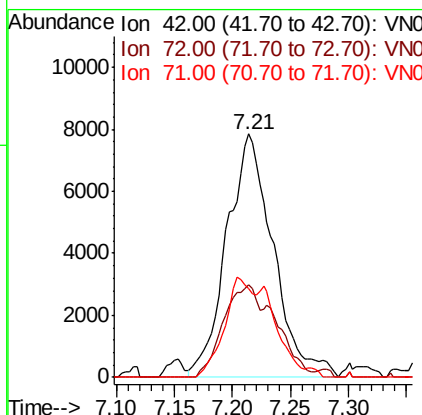
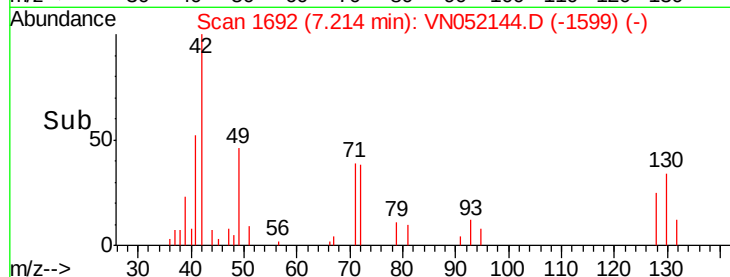
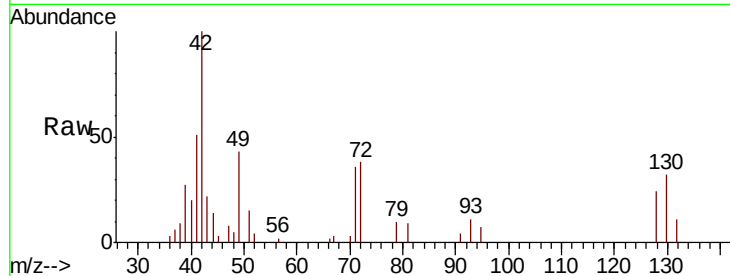


#29
Tetrahydrofuran
Concen: 23.665 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

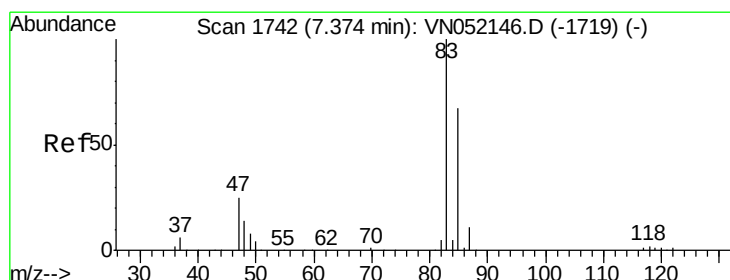
Tot Ion	Ratio	Lower	Upper
42	100		
72	29.9	32.3	48.5#
71	25.6	31.0	46.6#

Manual Integrations
APPROVED



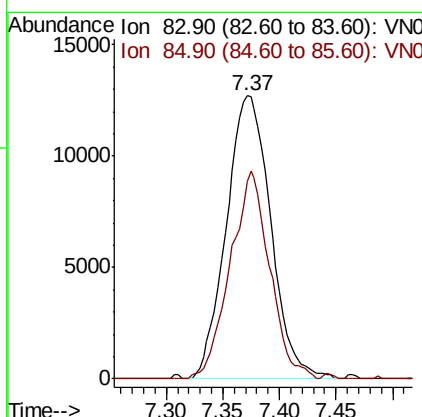
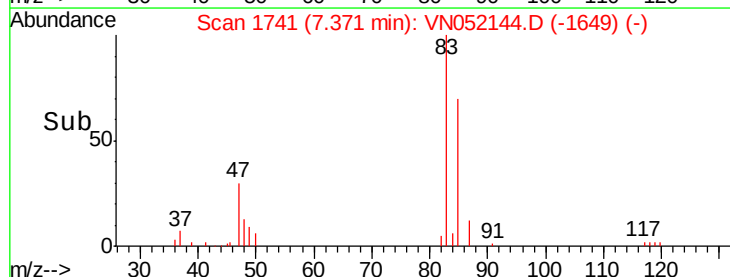
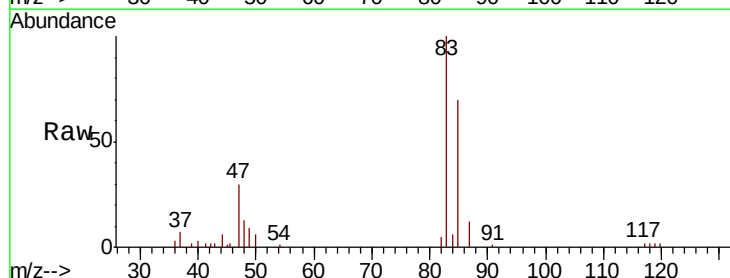
MMDadoda

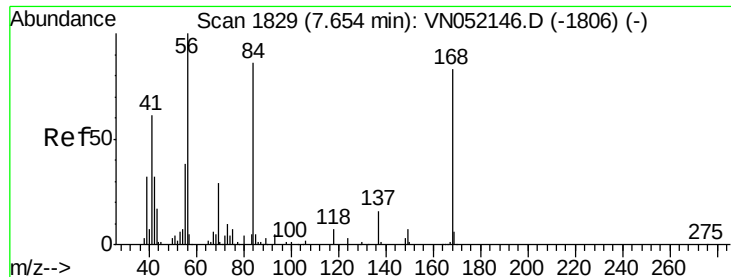
11/6/2018 9:59:44 AM



#30
Chloroform
Concen: 5.081 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	53.7	80.5



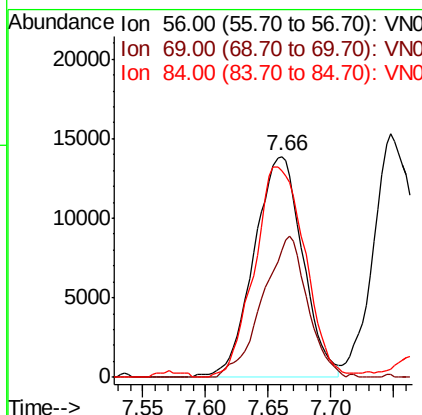
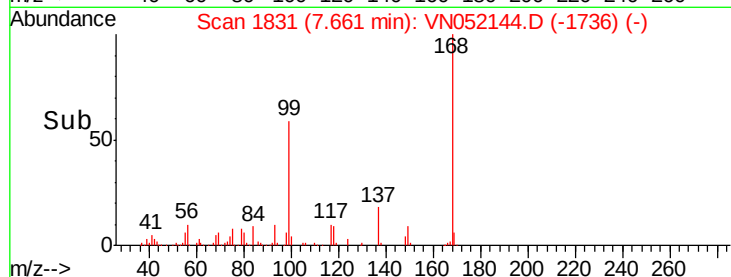
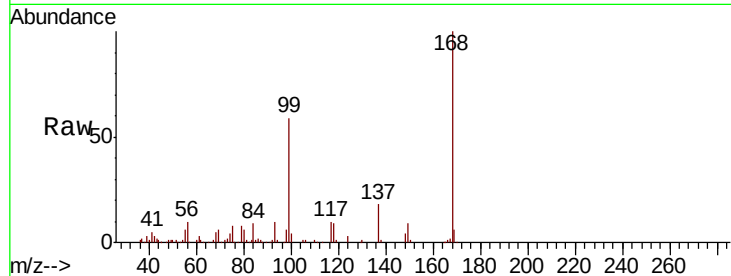


#31
Cyclohexane
Concen: 4.847 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

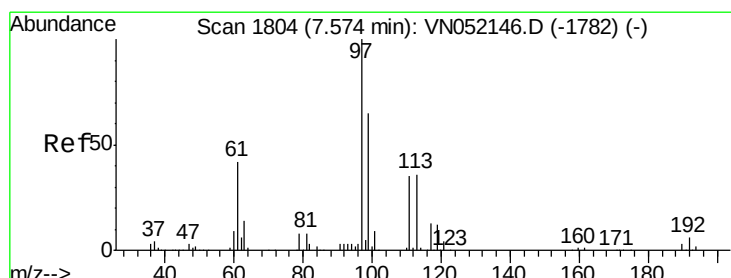
Tot Ion	Ratio	Lower	Upper
56	100		
69	57.8	23.5	35.3#
84	91.8	68.7	103.1

Manual Integrations
APPROVED



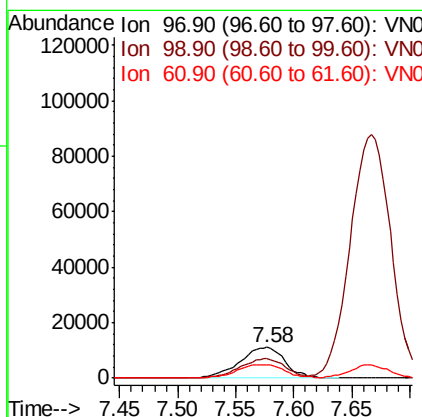
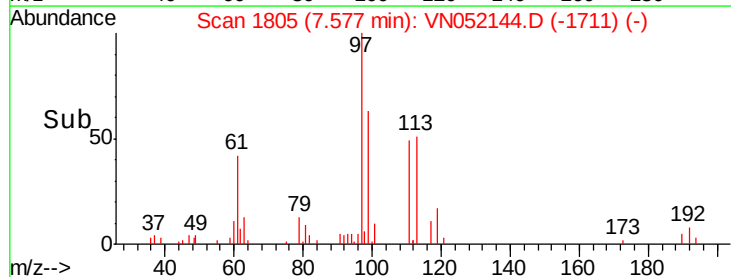
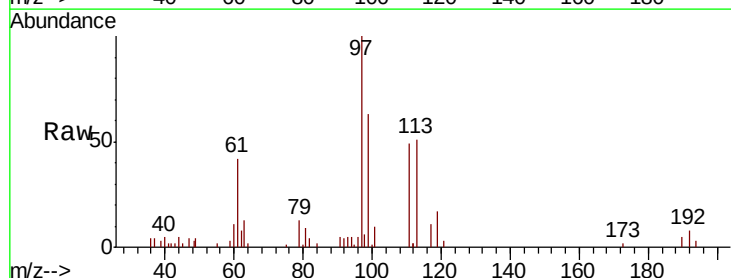
MMDadoda

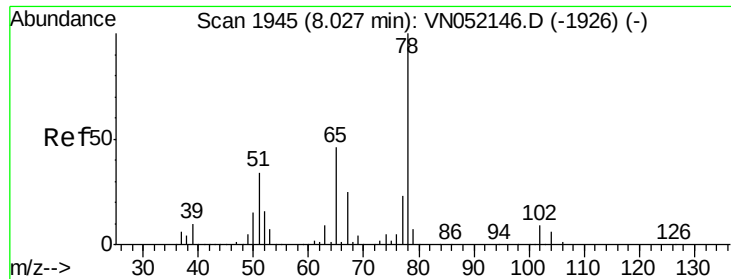
11/6/2018 9:59:44 AM



#32
1,1,1-Trichloroethane
Concen: 4.923 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	46.7	35.1	52.7



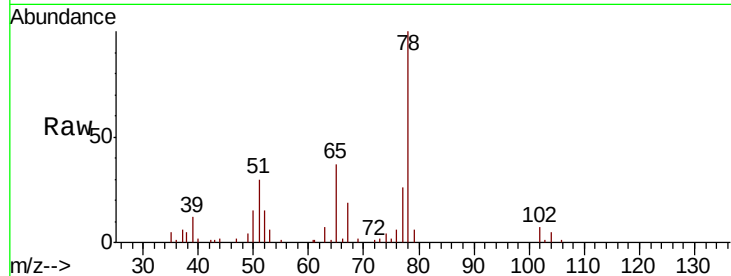


#33
 1,2-Dichloroethane-d4
 Concen: 4.923 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

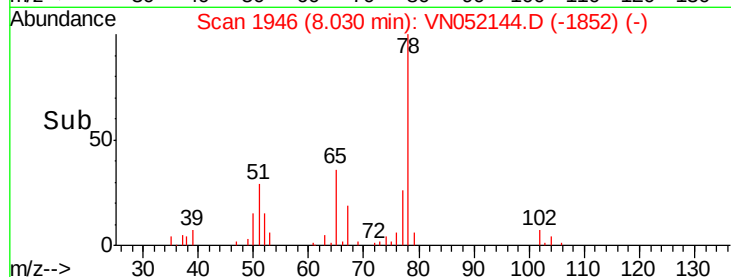
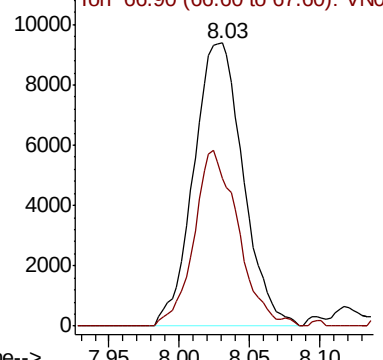
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	107.6

Manual Integrations
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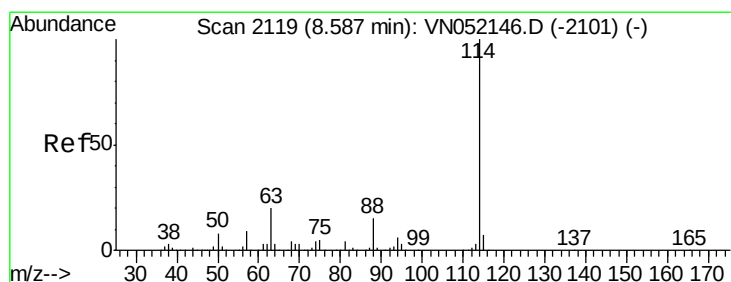


Abundance Ion 64.90 (64.60 to 65.60): VN052144.D (-1926) (-)



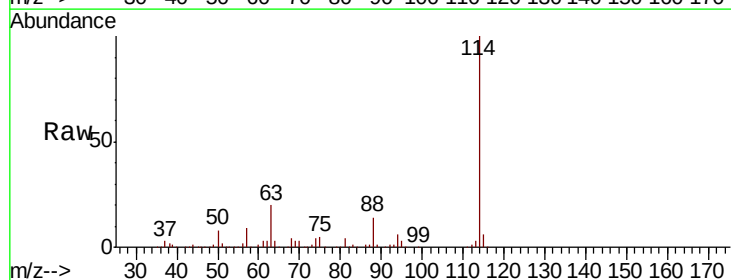
MMDadoda

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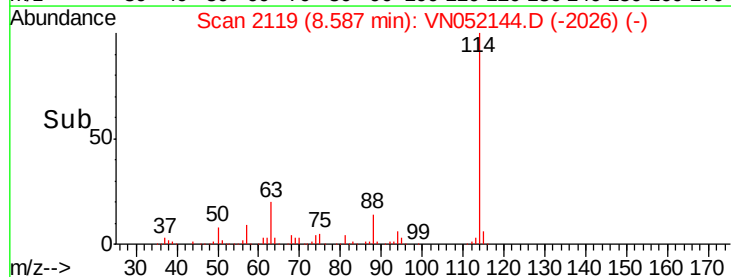
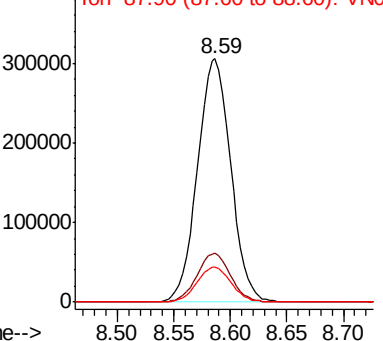


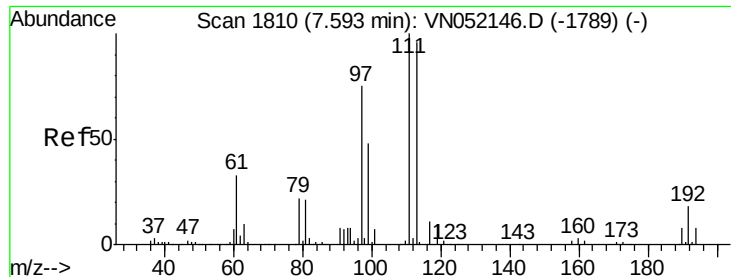
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	14.4	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): VN052144.D (-2101) (-)



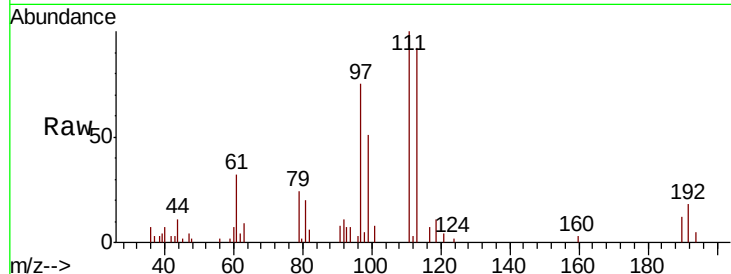


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.8	81.7	122.5
192	16.4	14.2	21.4

Manual Integrations
 APPROVED

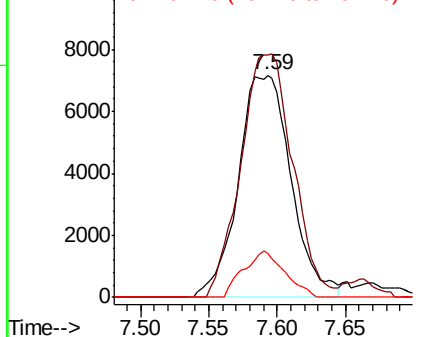


Abundance

Ion 112.80 (112.50 to 113.50): V

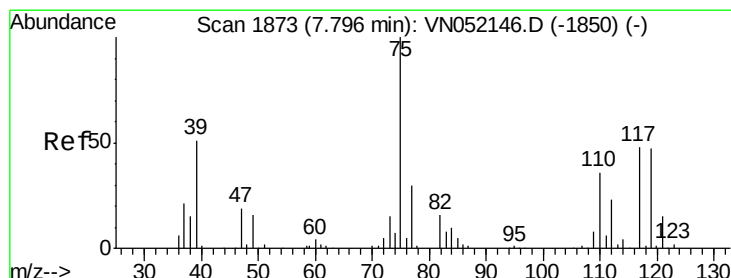
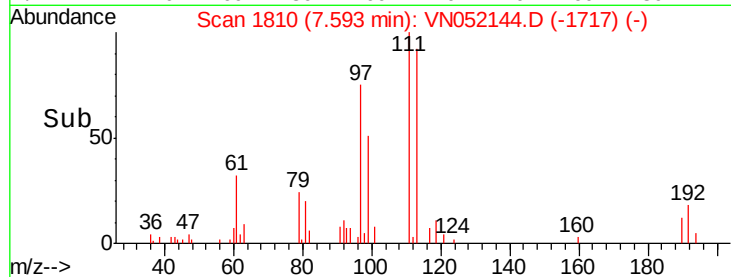
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



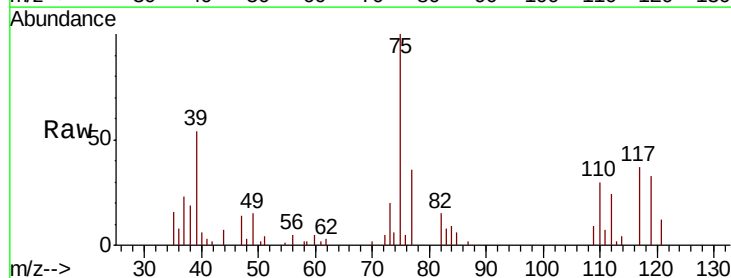
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#36
 1,1-Dichloropropene
 Concen: 4.766 ug/l
 RT: 7.80 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.8	53.5
77	31.1	24.0	36.0

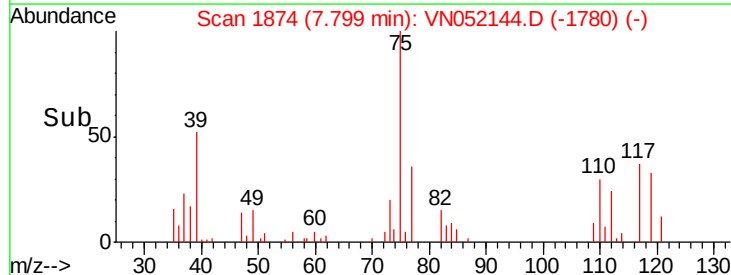
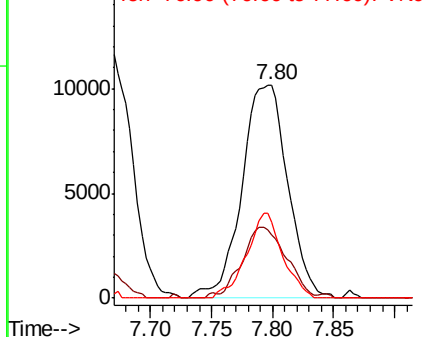


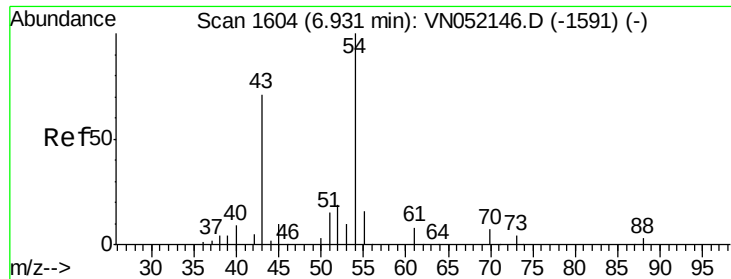
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



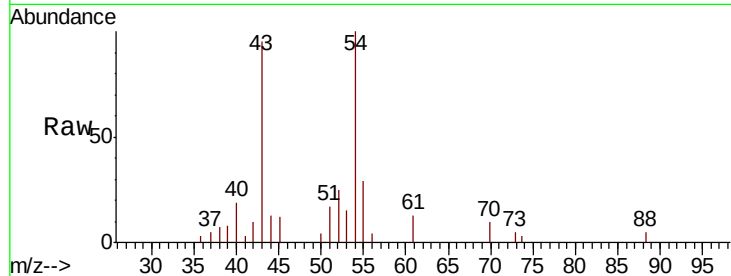


#37
Ethyl Acetate
Concen: 4.024 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.4	14.2#
70	6.7	7.6	11.4#

Manual Integrations
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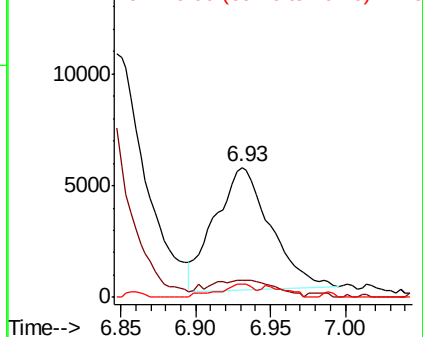


Abundance

Ion 43.00 (42.70 to 43.70): VN052144.D (-1591) (-)

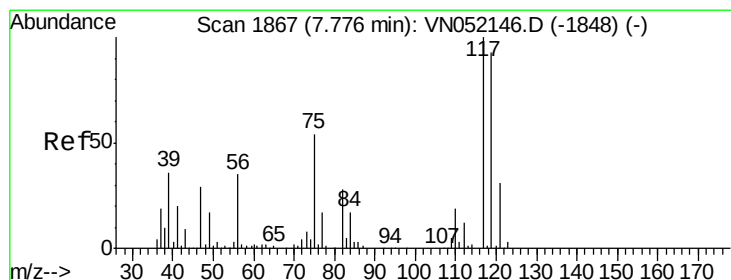
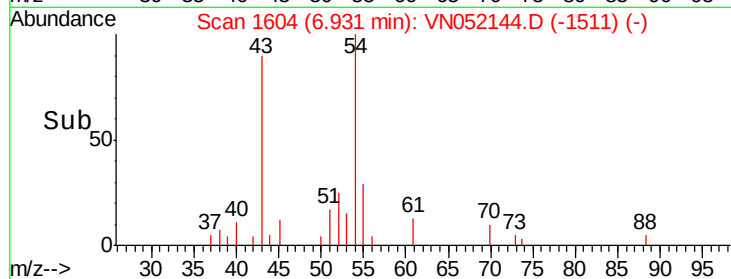
Ion 60.90 (60.60 to 61.60): VN052144.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052144.D (-1591) (-)



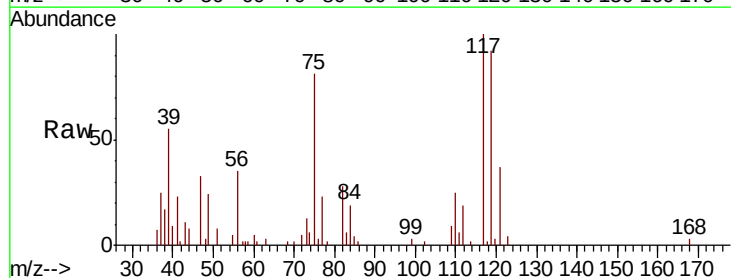
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#38
Carbon Tetrachloride
Concen: 4.471 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	74.7	112.1
121	37.2	24.5	36.7#

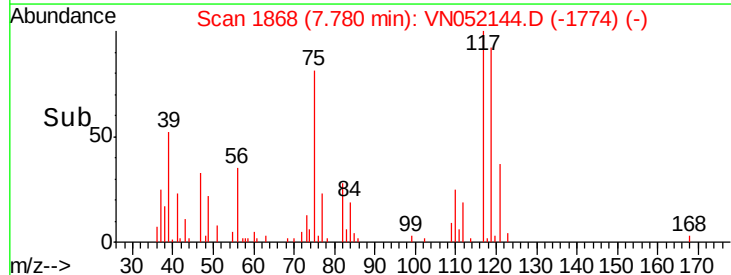
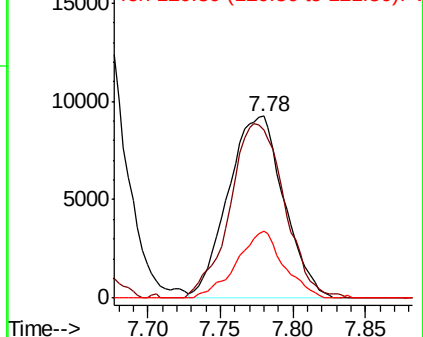


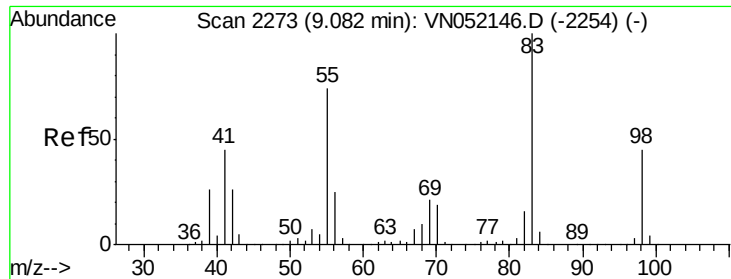
Abundance

Ion 116.80 (116.50 to 117.50): VN052144.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052144.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052144.D (-1774) (-)



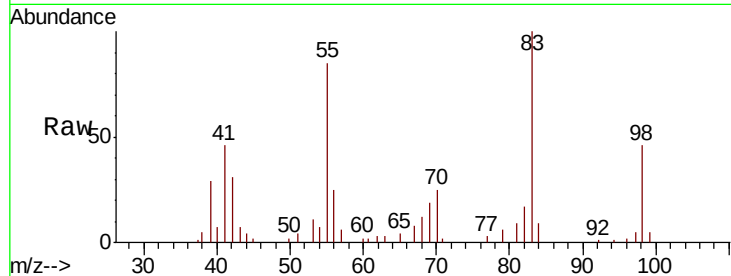


#39
Methylvlcyclohexane
Concen: 4.669 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	83.00	Resp	30738
Ion Ratio	Lower	Upper	
83	100		
55	84.7	59.4	89.2
98	45.7	36.3	54.5

Manual Integrations
APPROVED

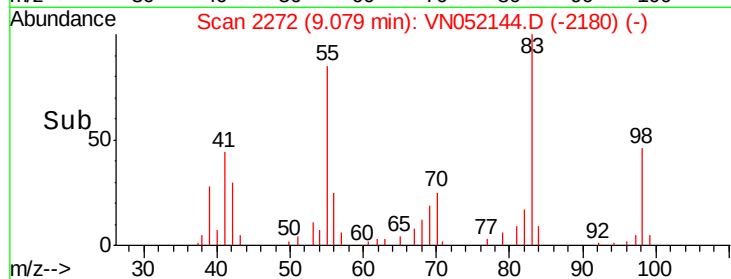
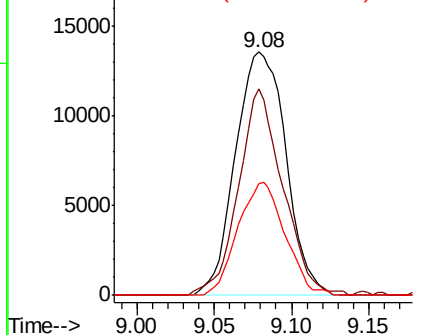


Abundance

Ion 83.00 (82.70 to 83.70): VN0

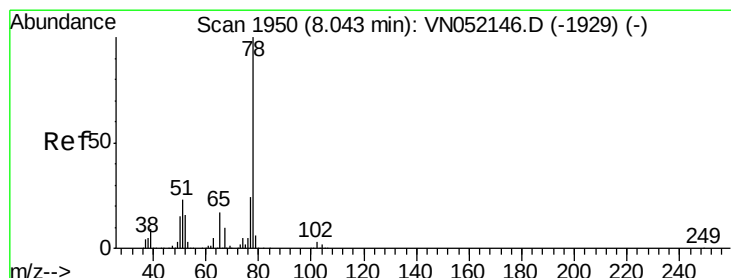
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



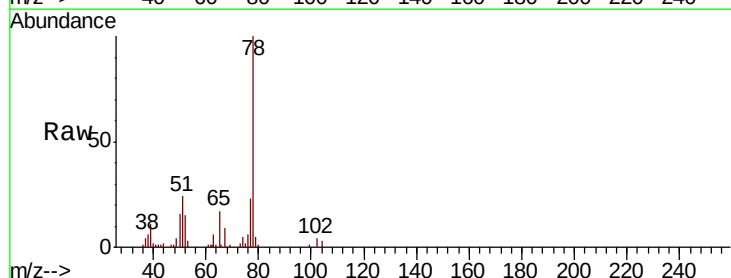
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#40
Benzene
Concen: 4.947 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

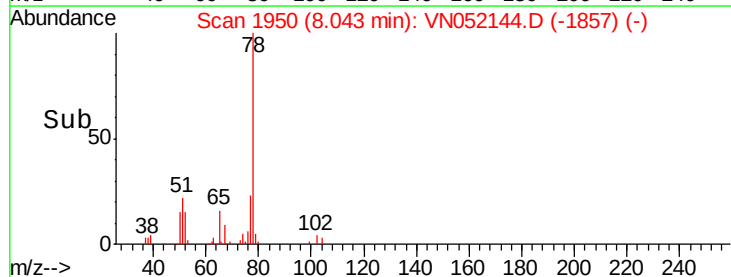
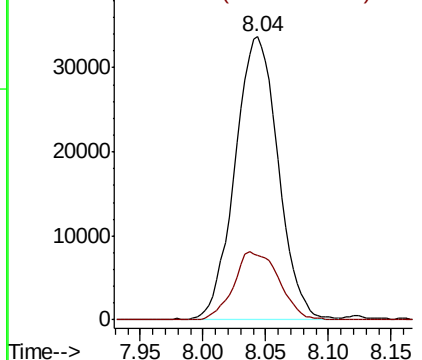
Tgt Ion	78.00	Resp	80839
Ion Ratio	Lower	Upper	
78	100		
77	22.6	19.1	28.7

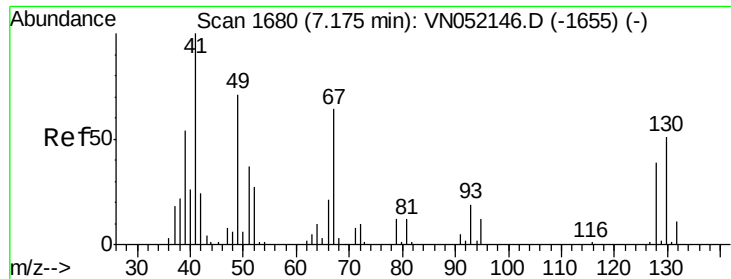


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



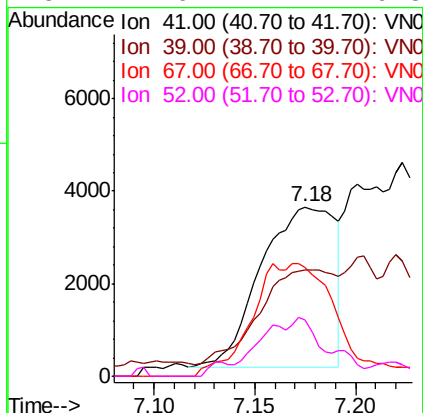
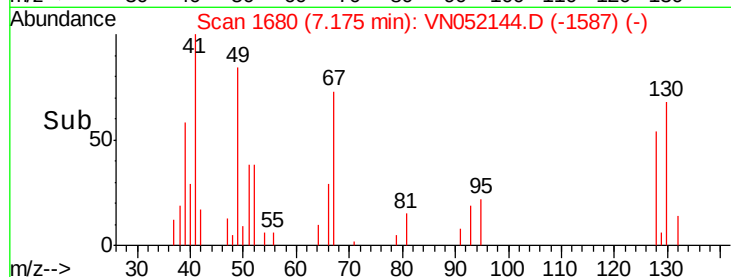
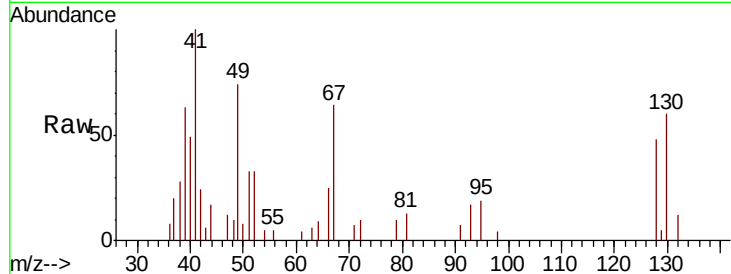


#41
Methacrylonitrile
Concen: 4.931 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

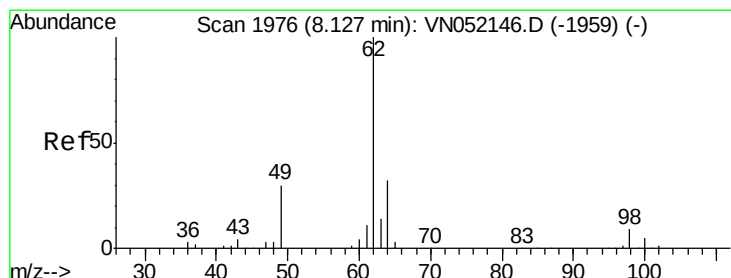
Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	49.6	74.4
67	34.6	65.4	98.2#
52	21.6	27.2	40.8#

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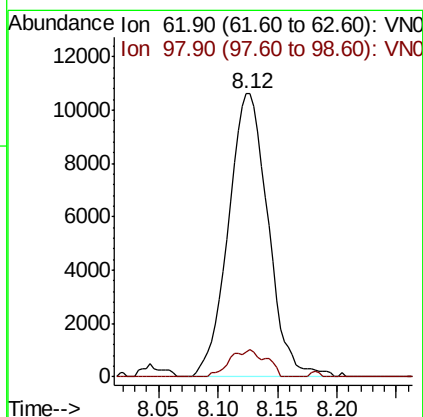
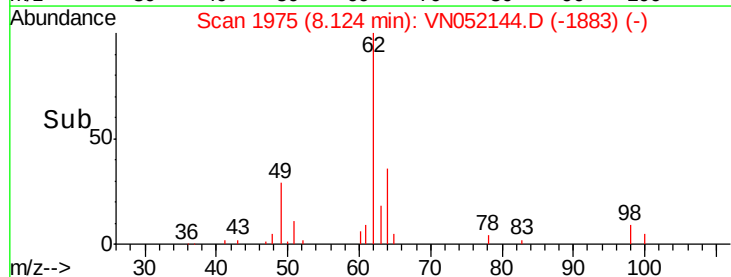
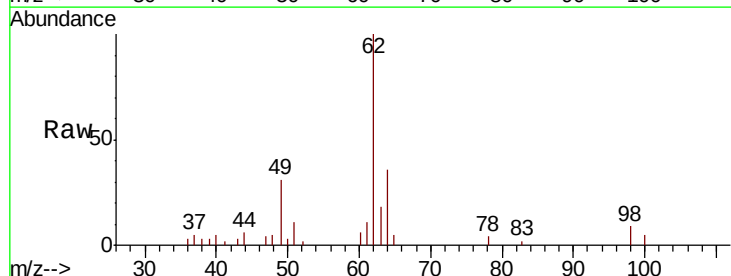
MMDadoda

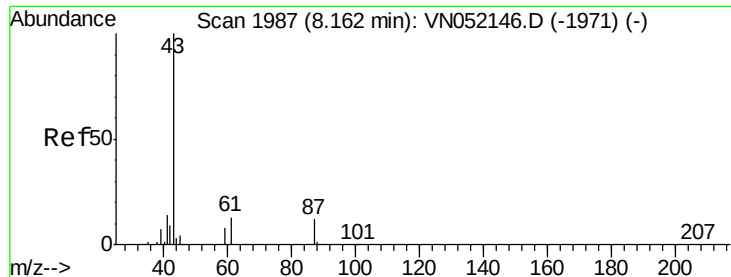
11/6/2018 9:59:44 AM



#42
1,2-Dichloroethane
Concen: 4.679 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 4.521 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

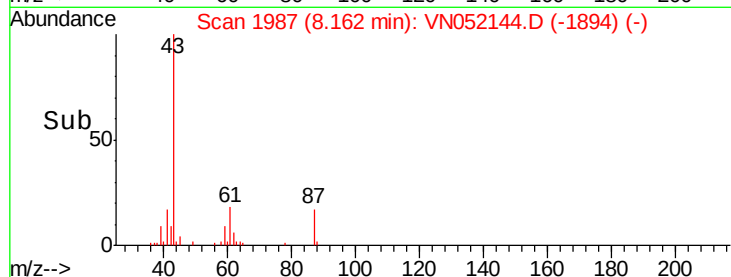
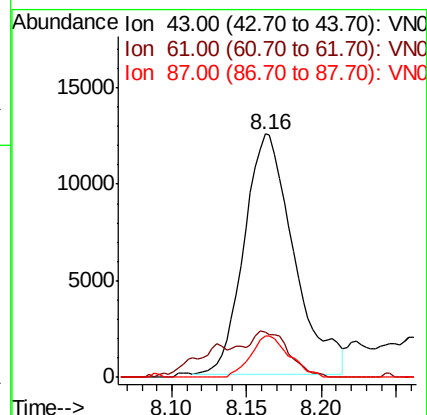
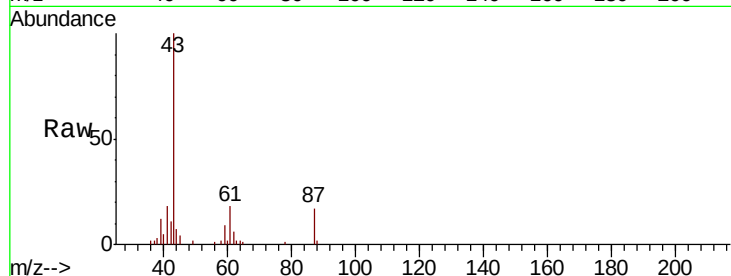
MSVOA_N

ClientSampled :

VSTDIC005

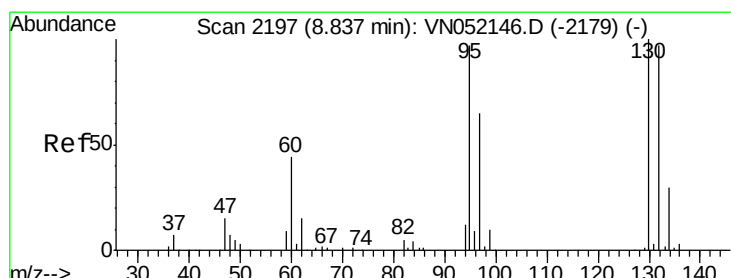
Tot Ion:	43	Resp:	28674
Ion	Ratio	Lower	Upper
43	100		
61	14.3	21.5	32.3#
87	13.4	10.2	15.2

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#44

Trichloroethene

Concen: 4.476 ug/l

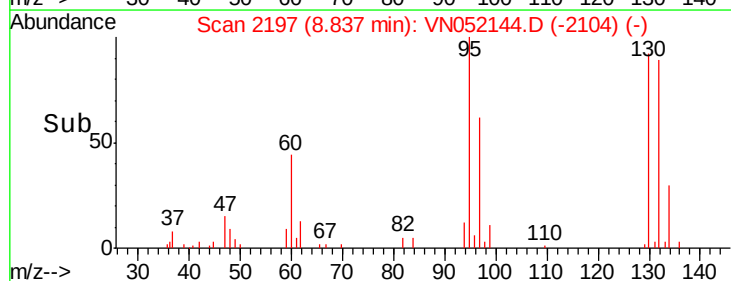
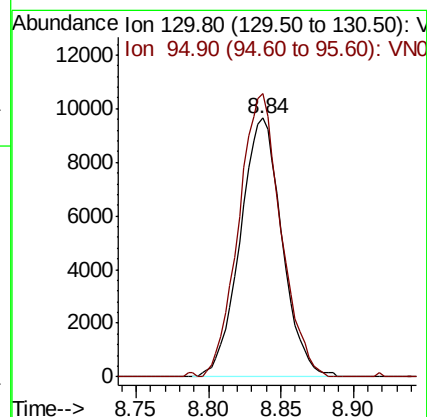
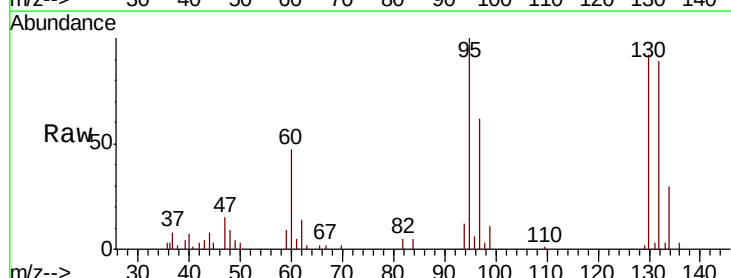
RT: 8.84 min Scan# 2197

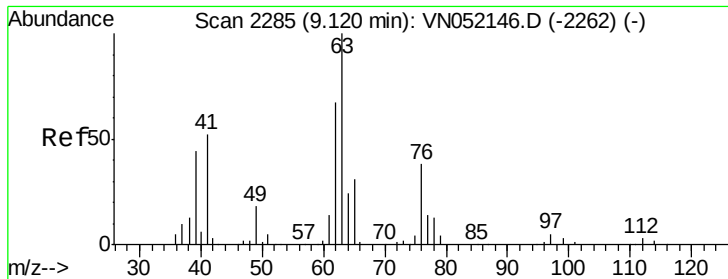
Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Tgt Ion:	130	Resp:	19365
Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	193.8



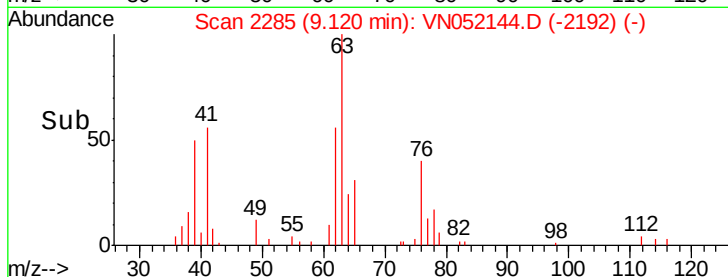
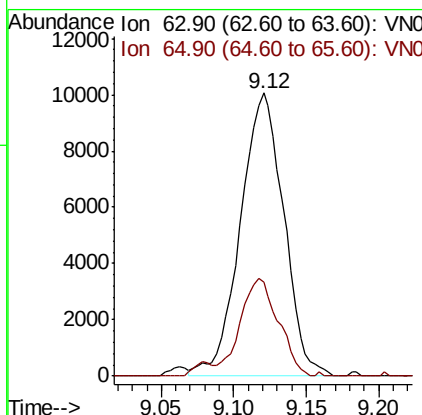
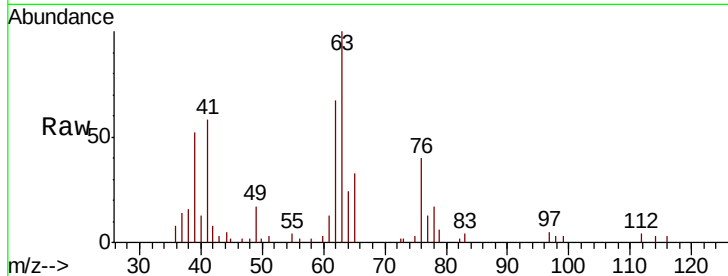


#45
 1,2-Dichloropropane
 Concen: 4.842 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

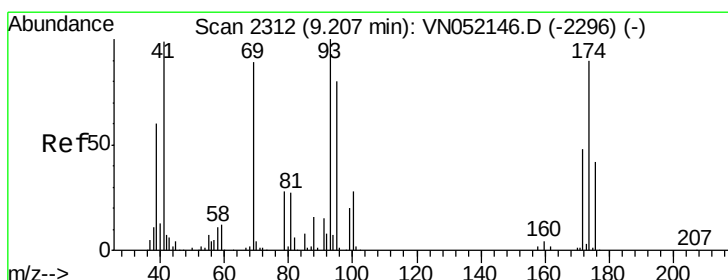
Tot Ion	63	Resp	20954
Ion Ratio	100	Lower	Upper
63	100		
65	33.3	24.4	36.6

Manual Integrations
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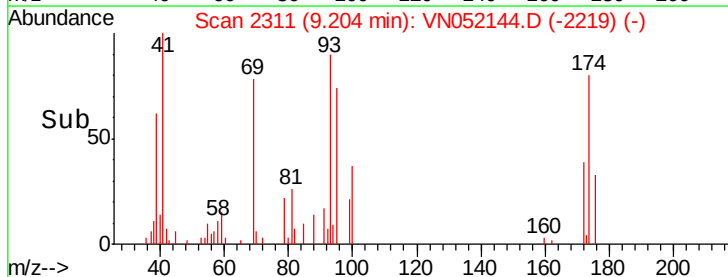
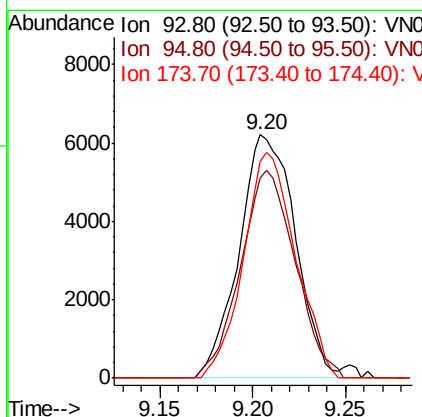
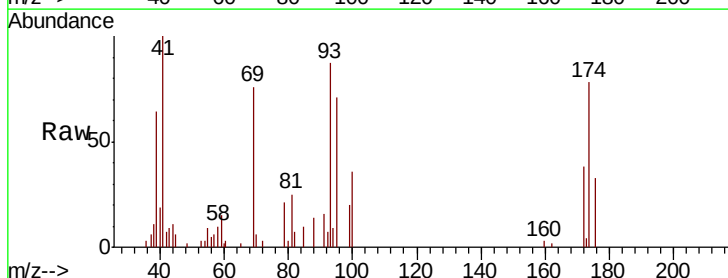
MMDadoda

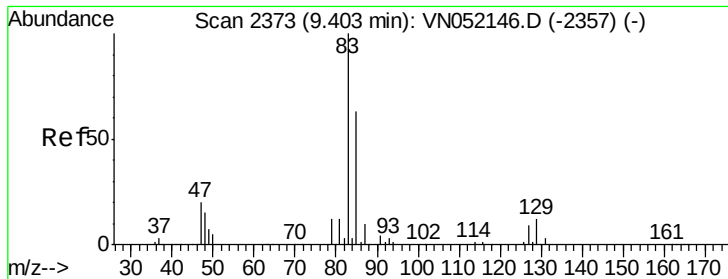
11/6/2018 9:59:44 AM



#46
 Dibromomethane
 Concen: 4.765 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	93	Resp	13114
Ion Ratio	100	Lower	Upper
93	100		
95	83.1	64.5	96.7
174	85.9	74.6	112.0





#47

Bromodichloromethane

Concen: 4.766 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

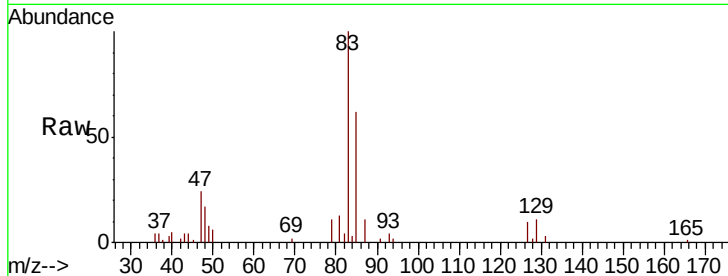
MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	25581
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.5	75.7
127	10.1	7.2	10.8

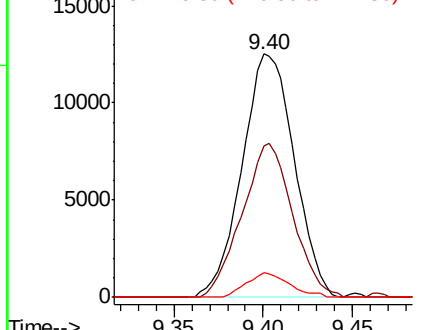
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052144.D (-2357) (-)

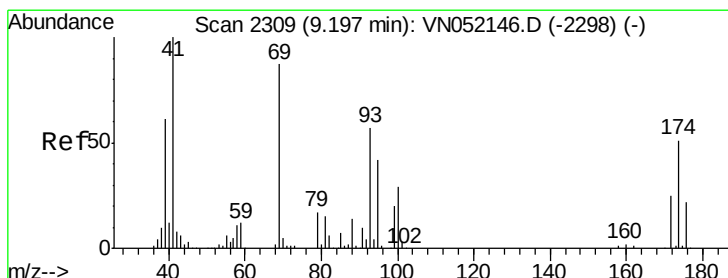
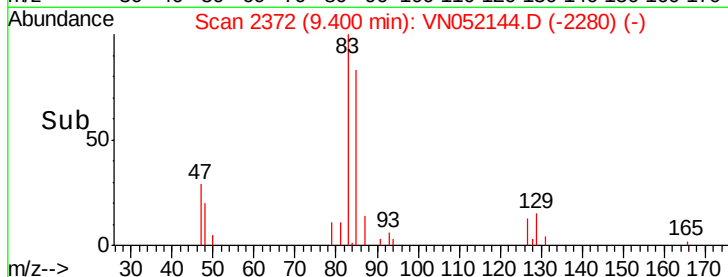
Ion 84.90 (84.60 to 85.60): VN052144.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN052144.D (-2357) (-)



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#48

Methyl methacrylate

Concen: 4.751 ug/l

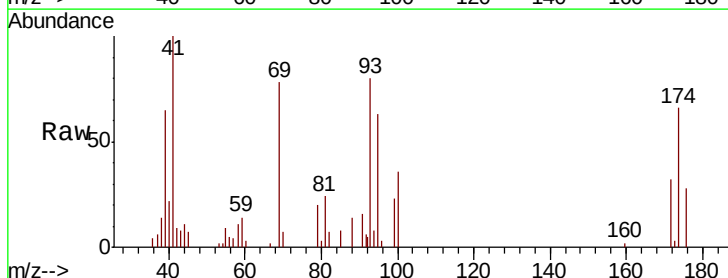
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

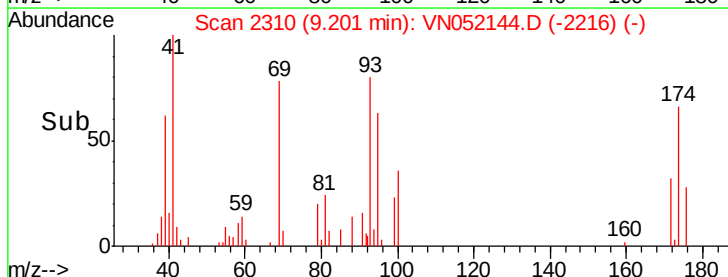
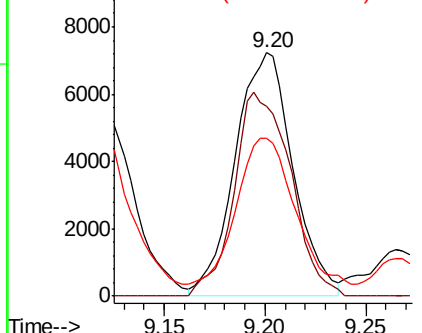
Tgt Ion:	41	Resp:	14502
Ion Ratio	Lower	Upper	
41	100		
69	81.9	69.7	104.5
39	63.2	50.6	76.0

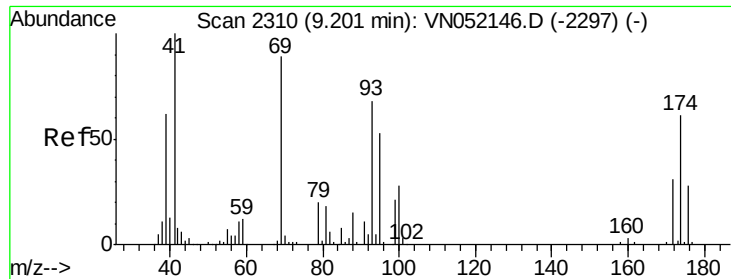


Abundance Ion 41.00 (40.70 to 41.70): VN052144.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052144.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052144.D (-2216) (-)



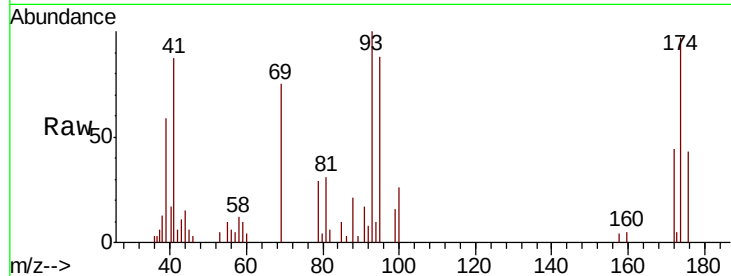


#49
1,4-Dioxane
Concen: 90.600 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

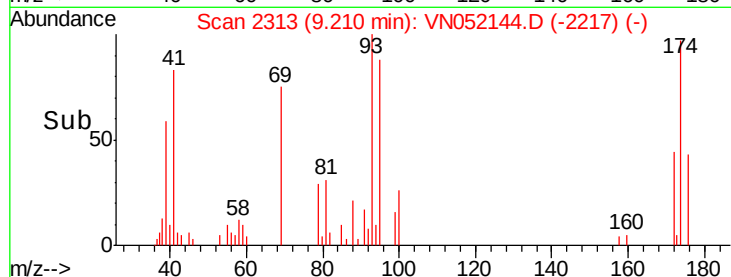
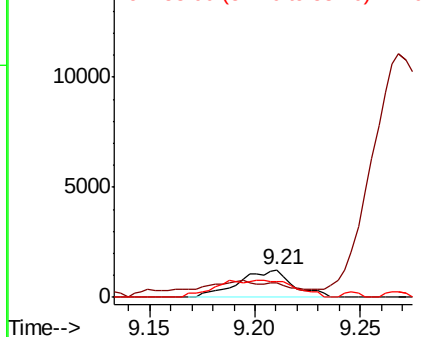
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.0	49.6#
58	0.0	58.6	88.0#

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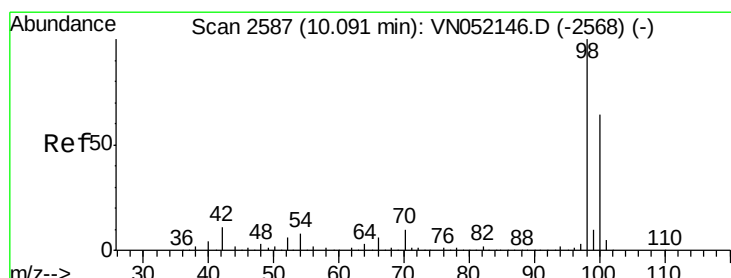


Abundance Ion 88.00 (87.70 to 88.70): VN052144.D (-2297) (-)
Ion 43.00 (42.70 to 43.70): VN052144.D (-2297) (-)
Ion 58.00 (57.70 to 58.70): VN052144.D (-2297) (-)



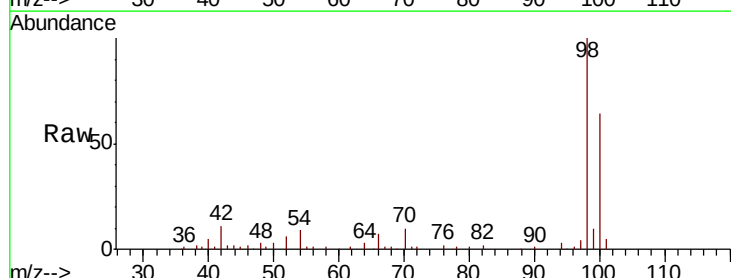
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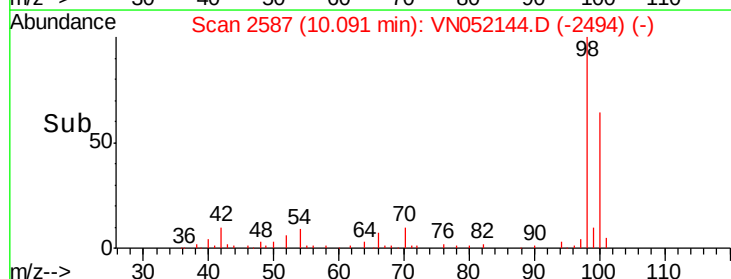
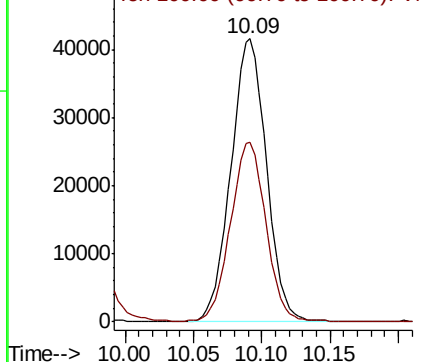


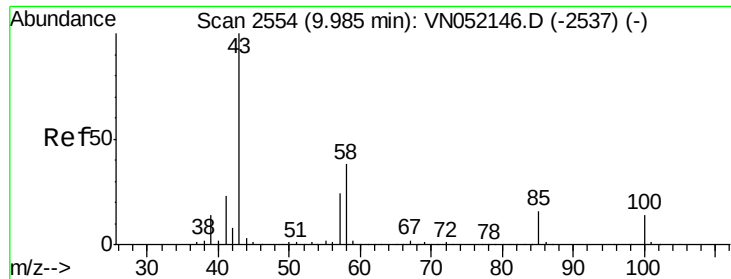
#50
Toluene-d8
Concen: 90.600 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.5	75.7



Abundance Ion 98.00 (97.70 to 98.70): VN052144.D (-2568) (-)
Ion 100.00 (99.70 to 100.70): VN052144.D (-2568) (-)





#51

4-Methyl-2-Pentanone

Concen: 23.578 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

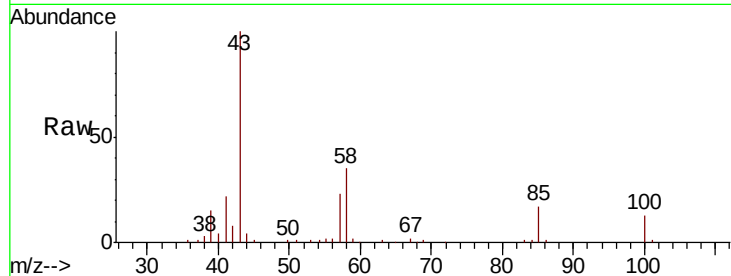
Tot Ion: 43 Resp: 78998

Ion Ratio Lower Upper

43 100

58 36.1 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)

9.98

40000

30000

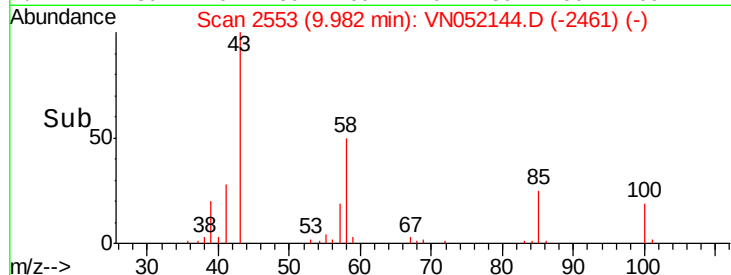
20000

10000

0

9.90 9.95 10.00 10.05

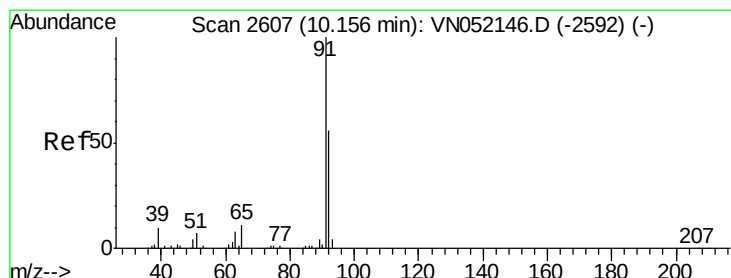
Time-->



Time-->

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#52

Toluene

Concen: 4.615 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052144.D

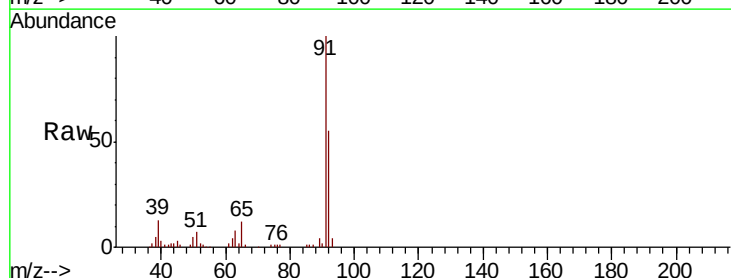
Acq: 5 Nov 2018 13:09

Tgt Ion: 92 Resp: 45470

Ion Ratio Lower Upper

92 100

91 184.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052146.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052146.D (-2592) (-)

10.16

50000

40000

30000

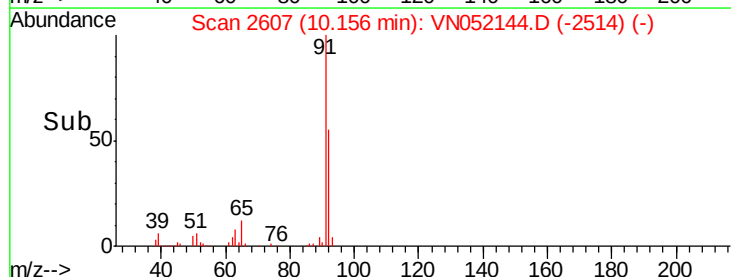
20000

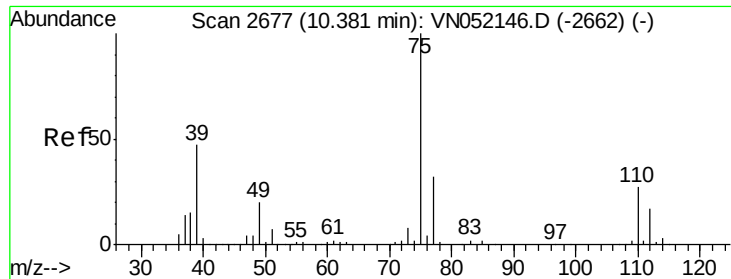
10000

0

10.10 10.15 10.20

Time-->



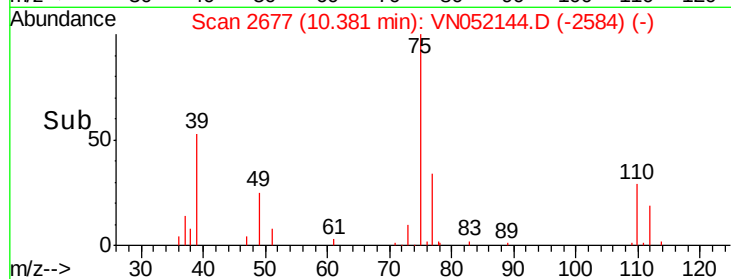
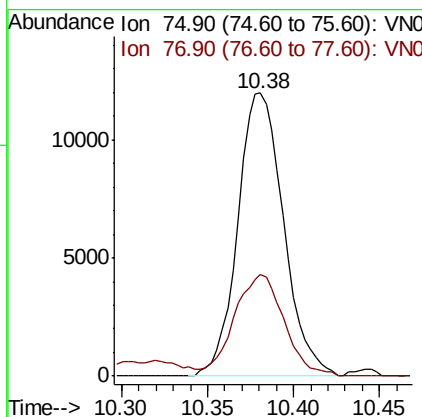
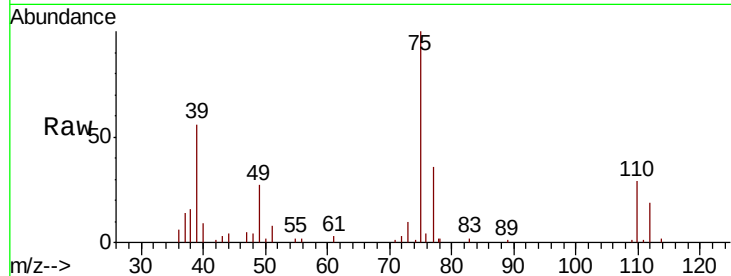


#53
t-1,3-Dichloropropene
Concen: 4.213 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

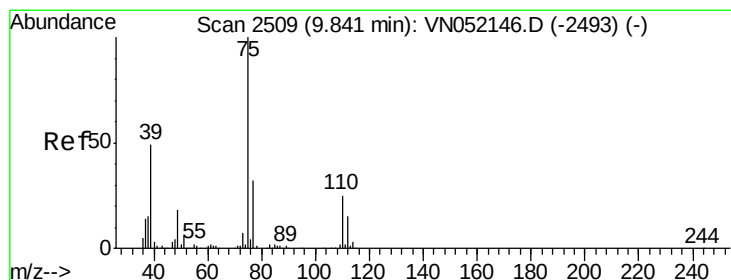
Tot Ion: 75 Resp: 22182
Ion Ratio Lower Upper
75 100
77 35.9 25.8 38.6

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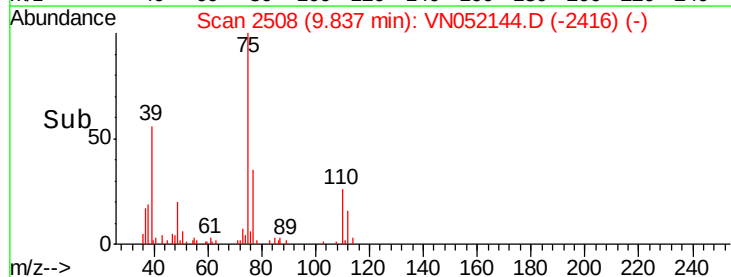
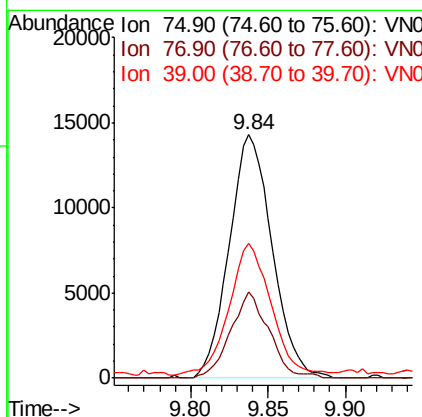
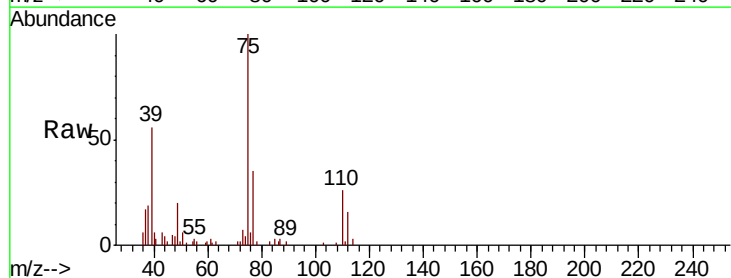
MMDadoda

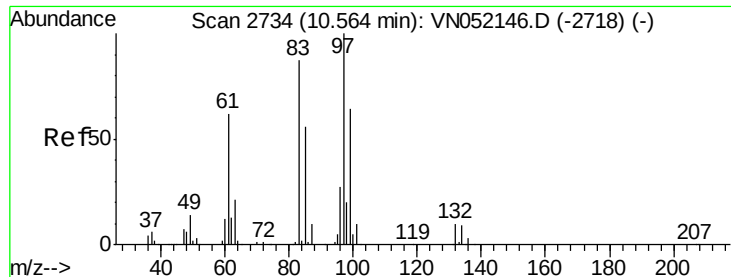
11/6/2018 9:59:44 AM



#54
cis-1,3-Dichloropropene
Concen: 4.472 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion: 75 Resp: 27551
Ion Ratio Lower Upper
75 100
77 35.4 25.8 38.8
39 53.1 39.2 58.8



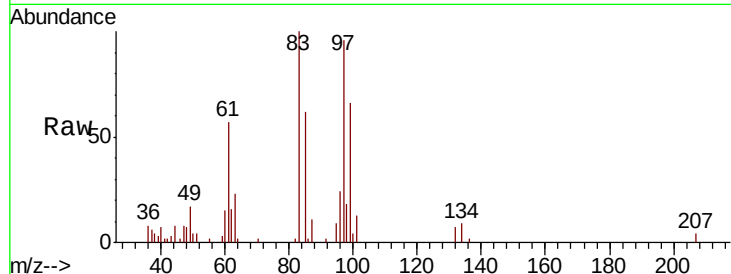


#55
1,1,2-Trichloroethane
Concen: 4.702 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	104.6	69.3	103.9#
85	65.1	44.9	67.3
99	68.7	51.5	77.3

Manual Integrations
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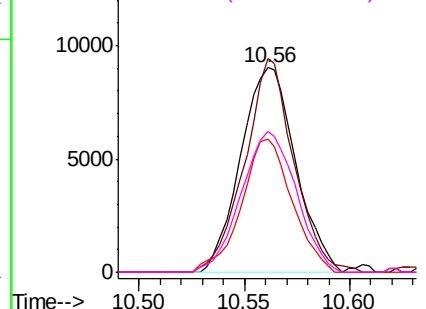
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

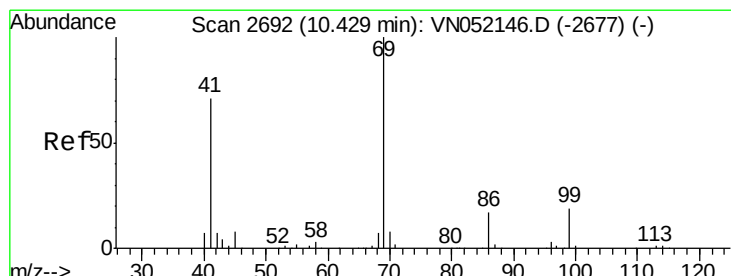
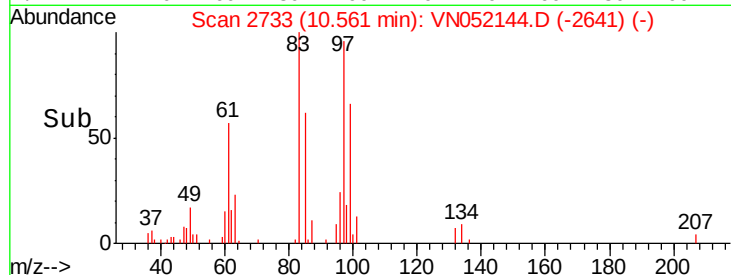
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



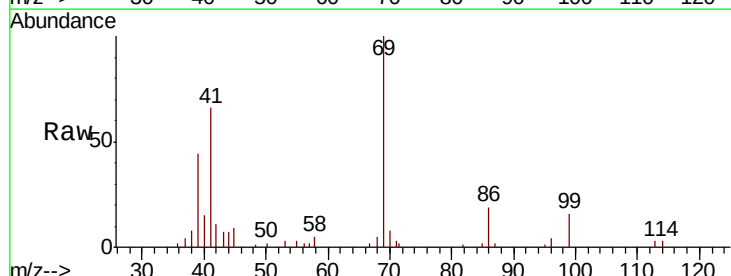
MMDadoda

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#56
Ethyl methacrylate
Concen: 4.563 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.4	83.0
39	38.5	32.0	48.0

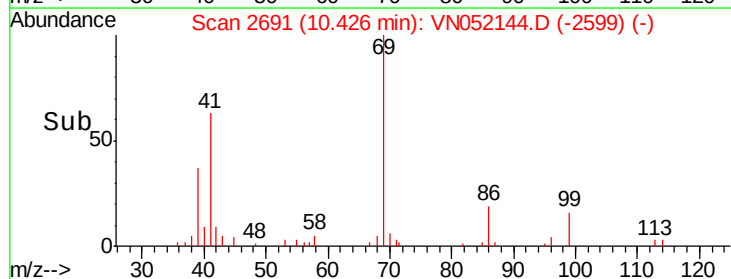
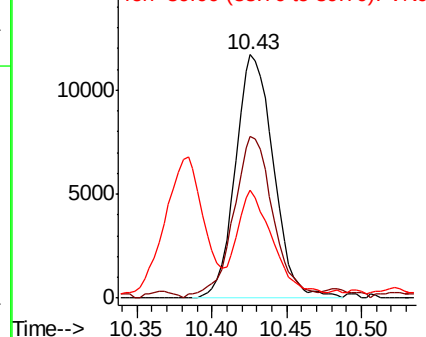


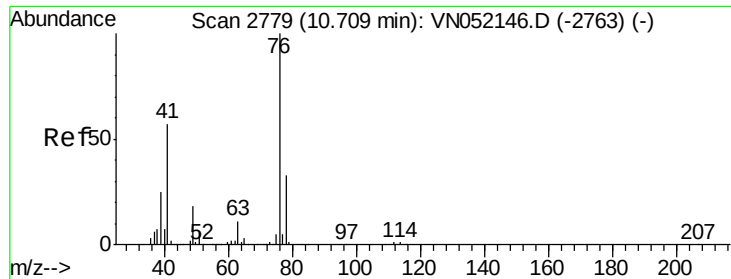
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 4.744 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

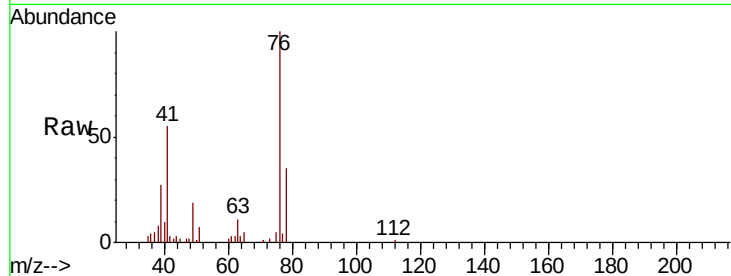
Tot Ion: 76 Resp: 29036

Ion Ratio Lower Upper

76 100

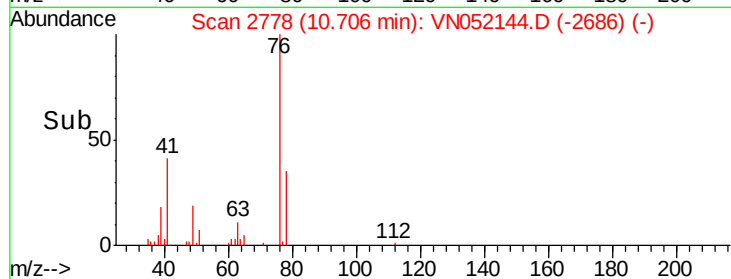
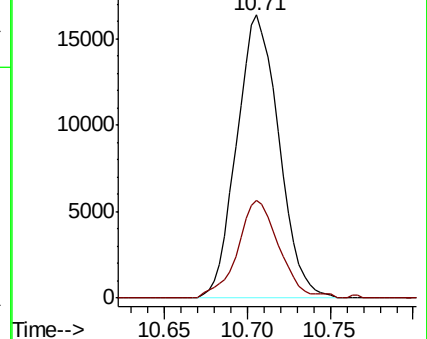
78 33.5 25.5 38.3

Manual Integrations
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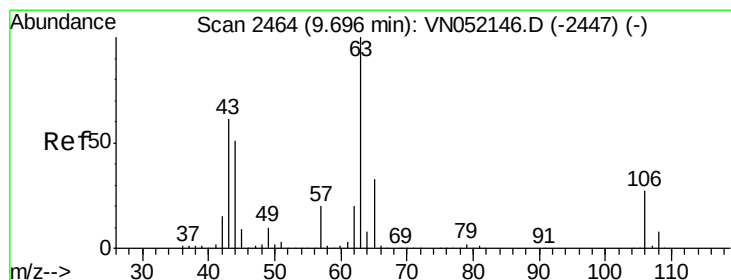
Abundance Ion 75.90 (75.60 to 76.60): VN052144.D (-2686) (-)

Ion 77.90 (77.60 to 78.60): VN052144.D (-2686) (-)



MM Dadoda

11/6/2018 9:59:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 19.066 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052144.D

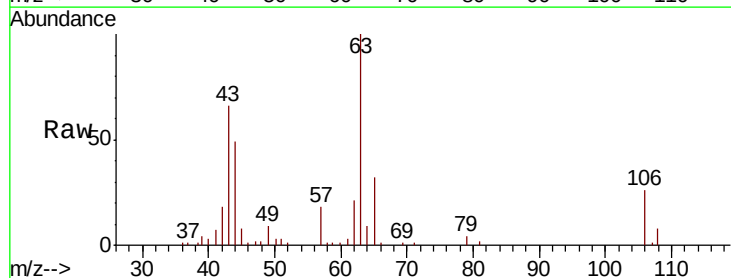
Acq: 5 Nov 2018 13:09

Tgt Ion: 63 Resp: 46461

Ion Ratio Lower Upper

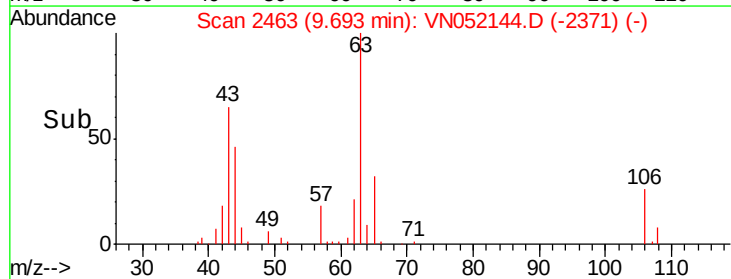
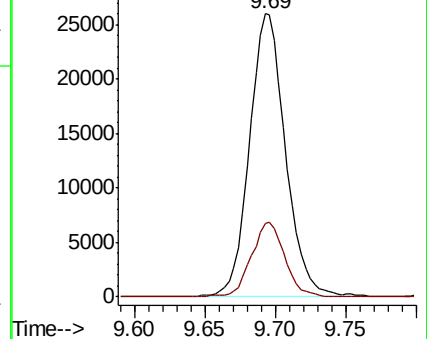
63 100

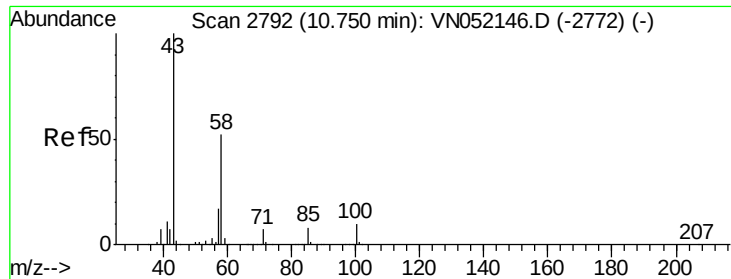
106 24.6 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN052144.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN052144.D (-2371) (-)



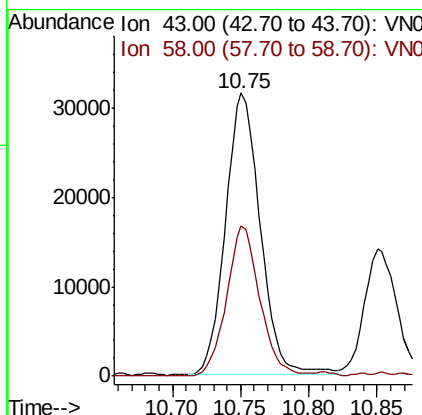
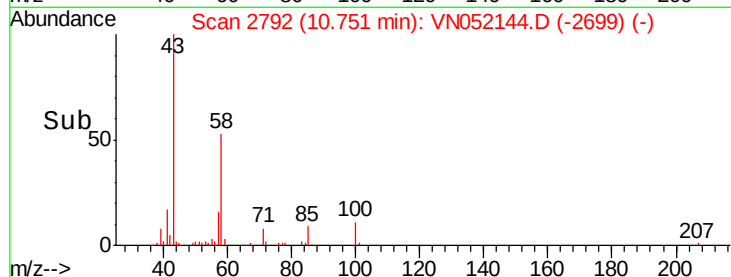
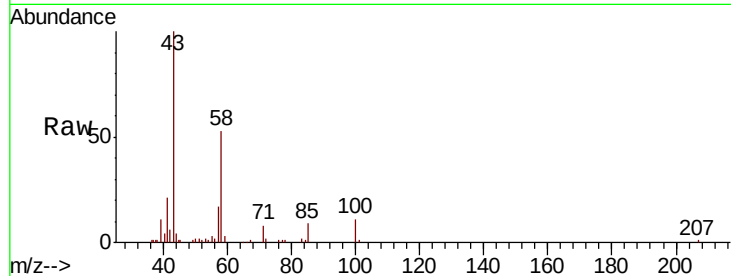


#59
2-Hexanone
Concen: 23.842 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

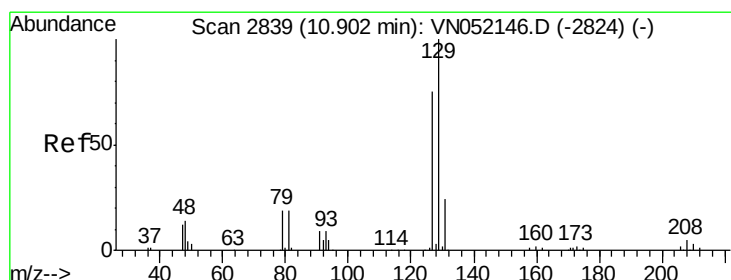
Tot Ion: 43 Resp: 55609
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.4

Manual Integrations
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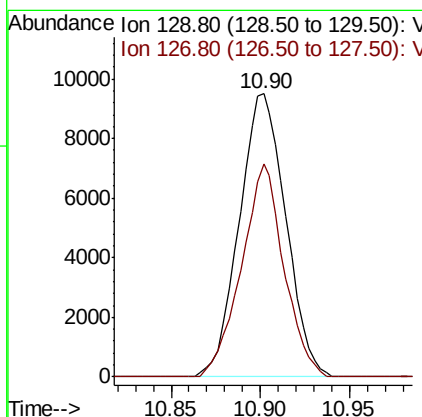
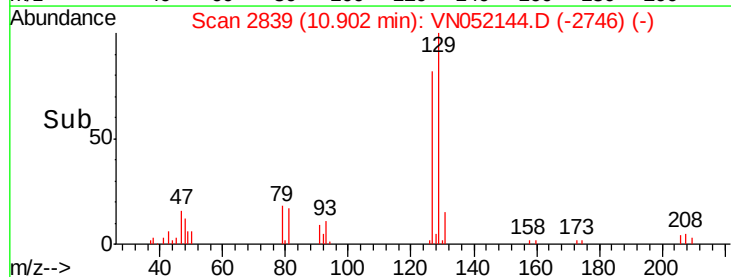
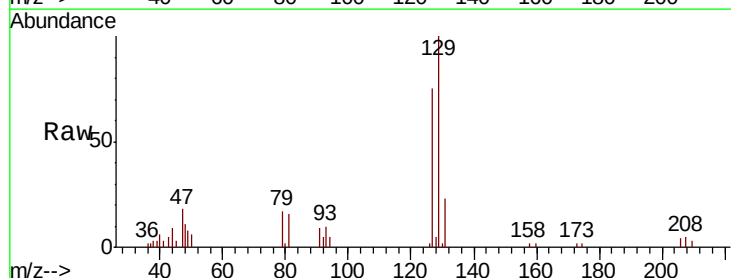
MMDadoda

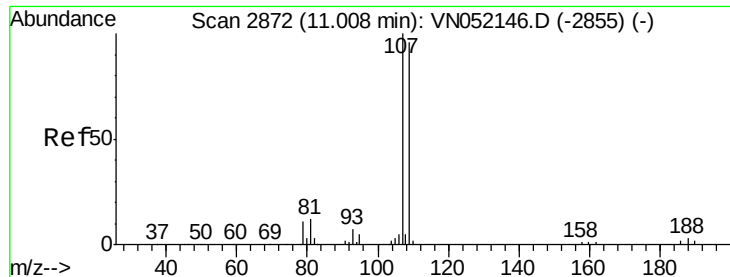
11/6/2018 9:59:44 AM



#60
Dibromochloromethane
Concen: 4.372 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion: 129 Resp: 17271
Ion Ratio Lower Upper
129 100
127 68.4 38.0 114.1



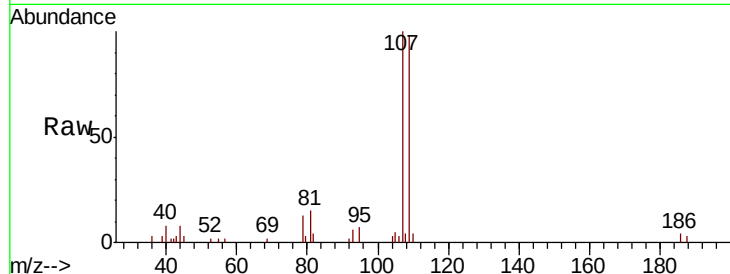


#61
 1,2-Dibromoethane
 Concen: 4.723 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

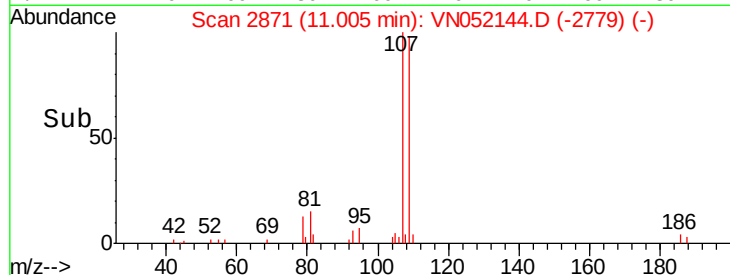
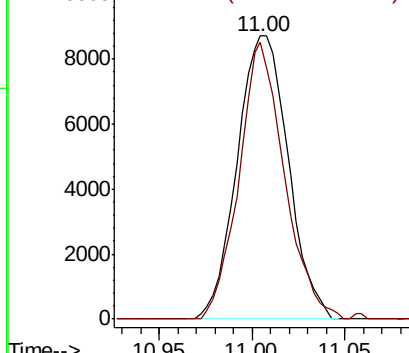
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.6	76.0	114.0

Manual Integrations
 APPROVED

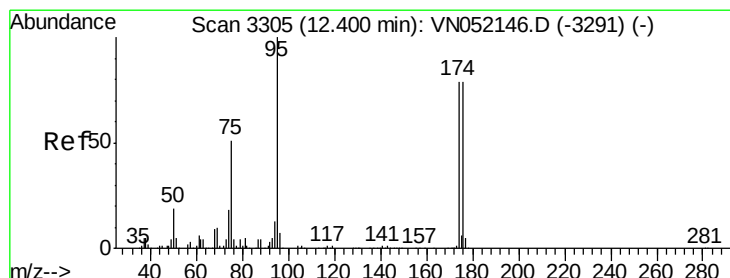


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V



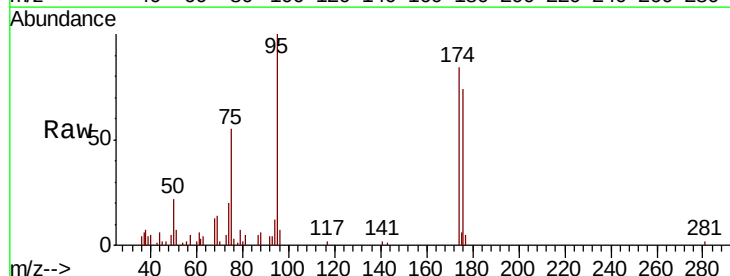
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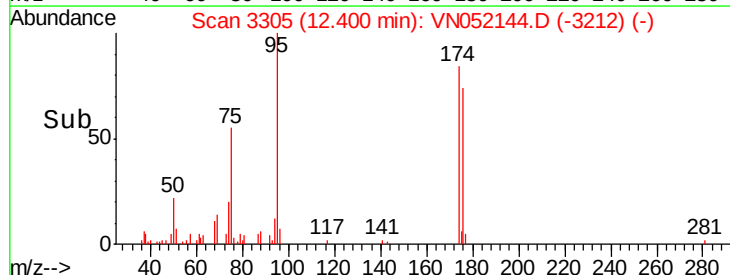
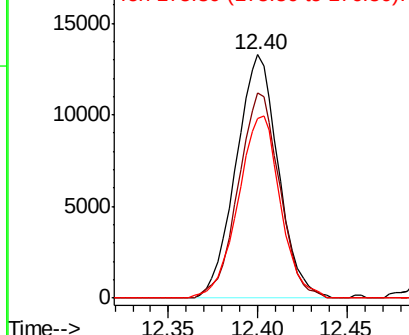


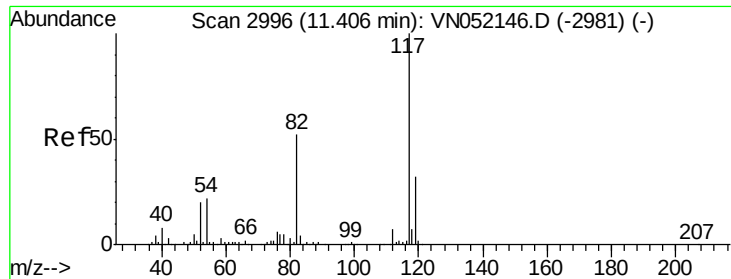
#62
 4-Bromofluorobenzene
 Concen: 4.723 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	162.6
176	74.7	0.0	155.4



Abundance Ion 94.90 (94.60 to 95.60): VNO
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V



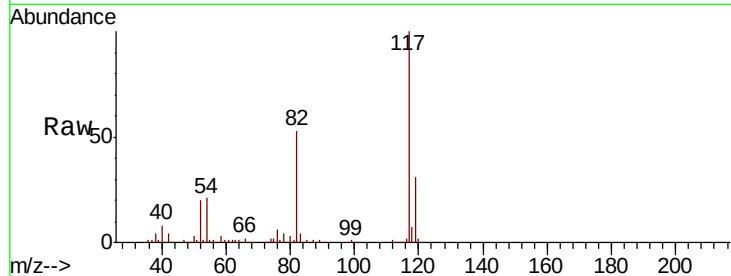


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.9	62.9
119	31.1	25.7	38.5

Manual Integrations
APPROVED

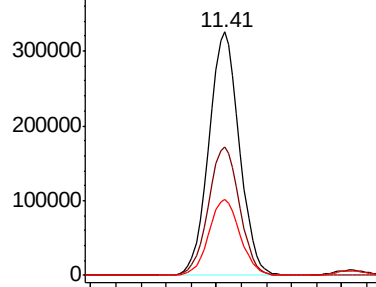


Abundance

Ion 116.90 (116.60 to 117.60): V

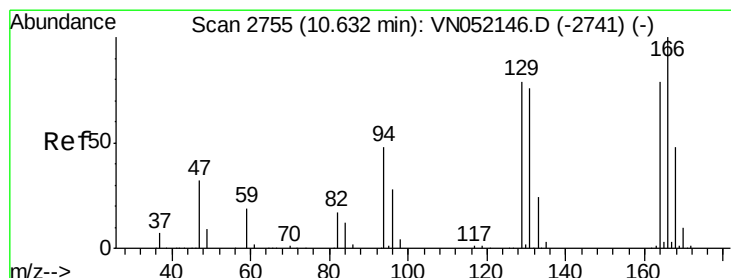
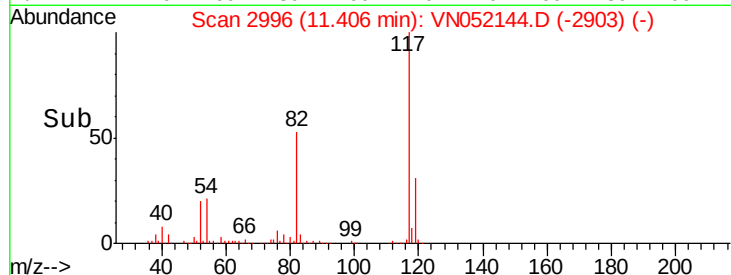
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 4.702 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	100.8	151.2
129	106.7	79.1	118.7
131	99.4	77.0	115.4

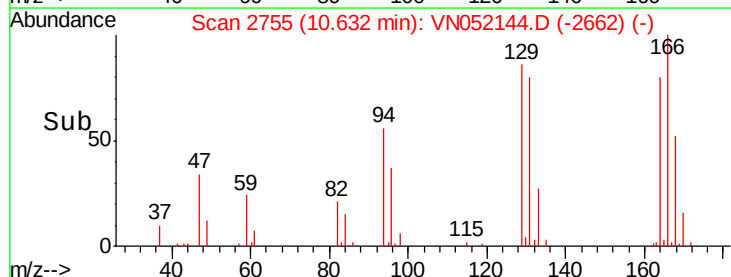
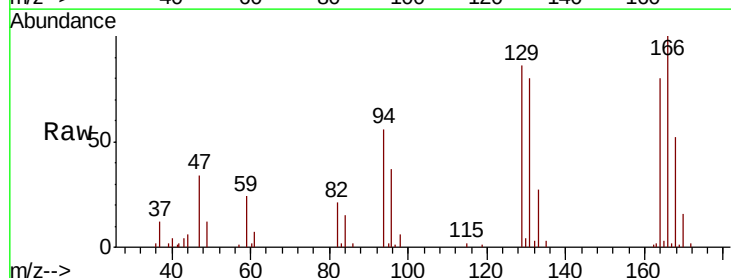
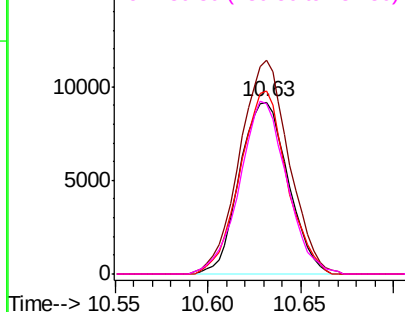
Abundance

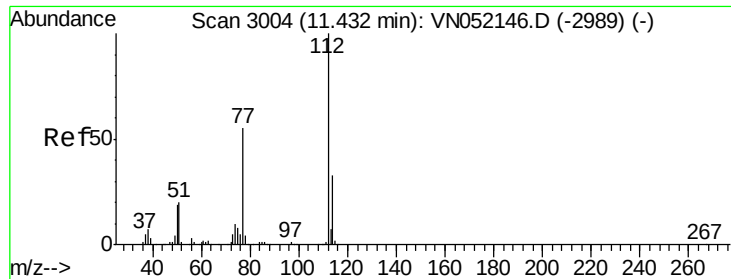
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



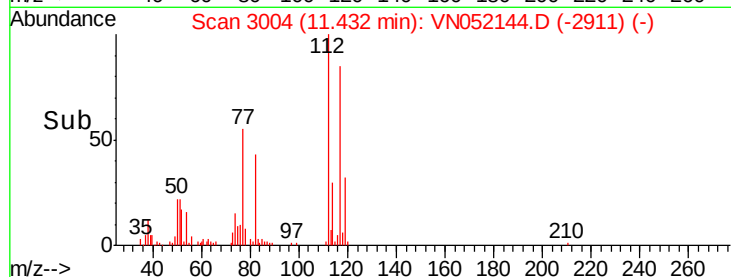
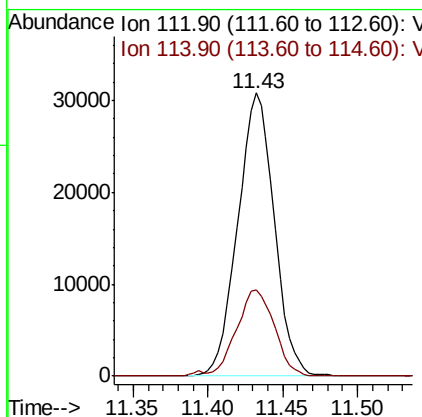
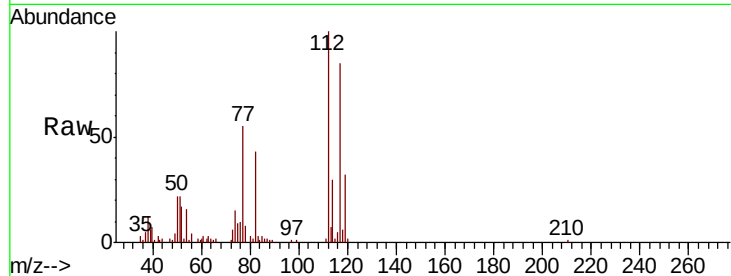


#65
Chlorobenzene
Concen: 4.674 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

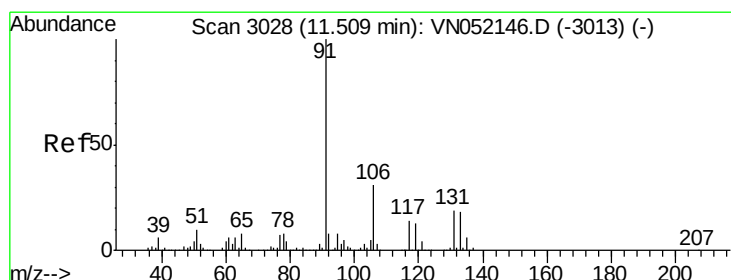
Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.2	39.4

Manual Integrations
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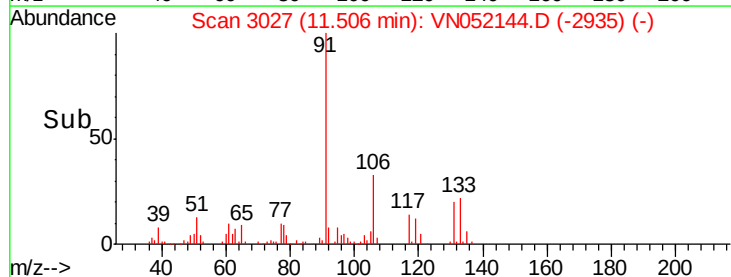
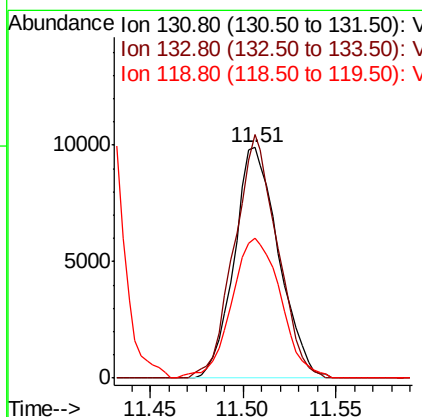
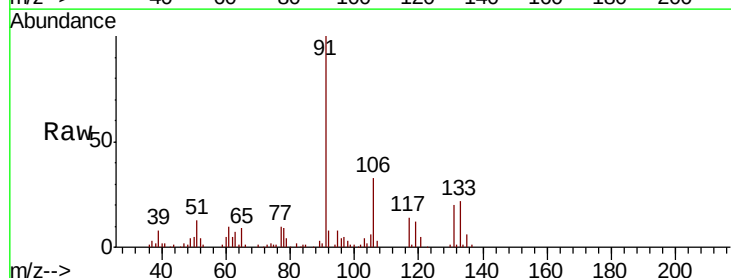
MMDadoda

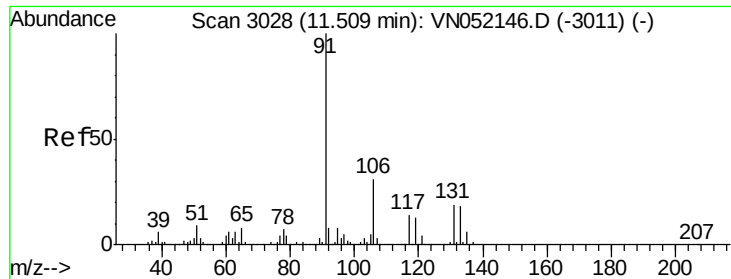
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.392 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.7	46.6	139.8
119	66.9	33.6	100.8





#67

Ethyl Benzene

Concen: 4.731 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

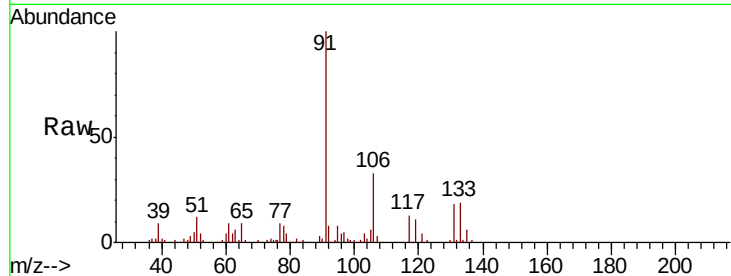
Tot Ion: 91 Resp: 87819

Ion Ratio Lower Upper

91 100

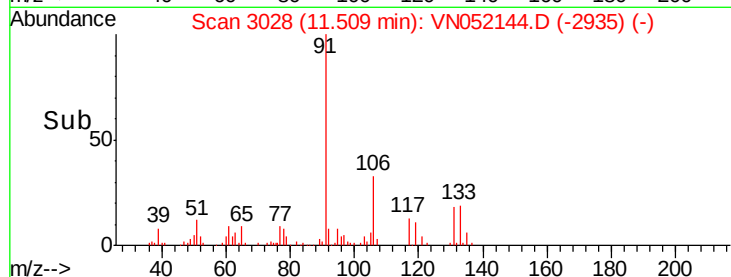
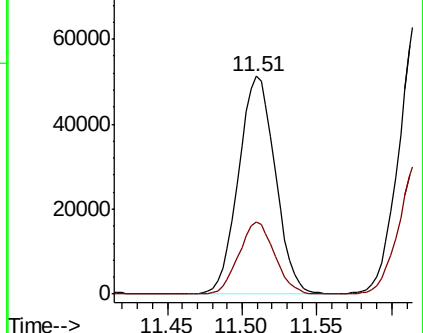
106 33.4 25.1 37.7

Manual Integrations
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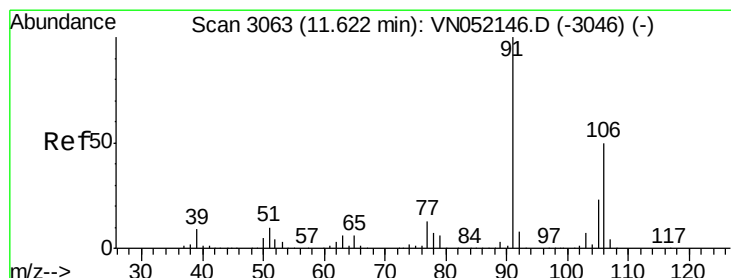
Abundance Ion 91.00 (90.70 to 91.70): VN052144.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN052144.D (-2935) (-)



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#68

m/p-Xylenes

Concen: 8.949 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052144.D

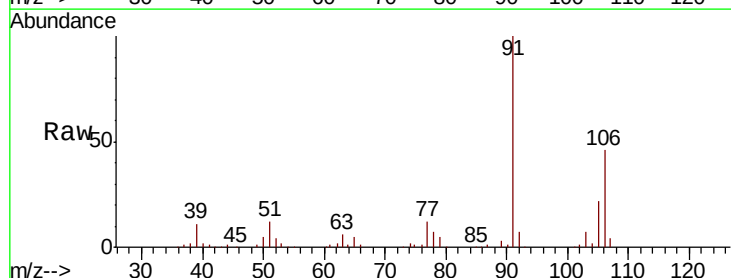
Acq: 5 Nov 2018 13:09

Tgt Ion: 106 Resp: 64094

Ion Ratio Lower Upper

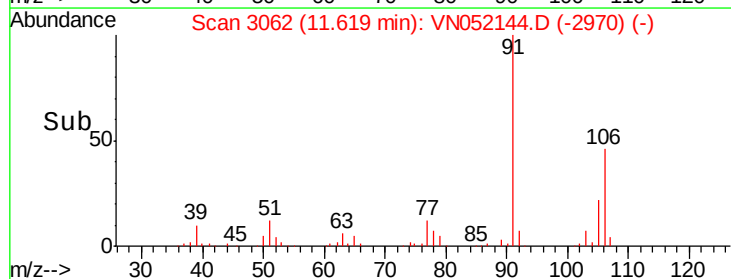
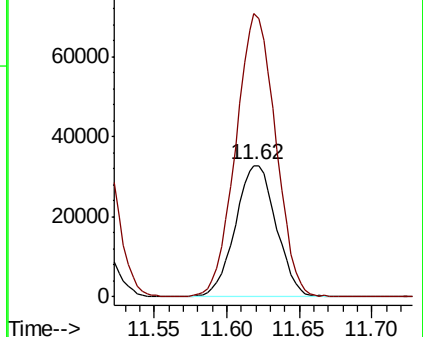
106 100

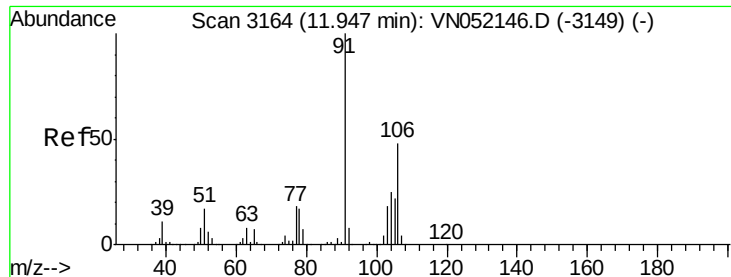
91 210.8 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VN052144.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN052144.D (-2970) (-)



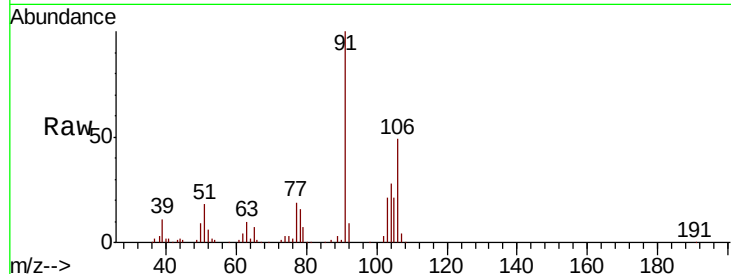


#69
o-Xylene
Concen: 4.649 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

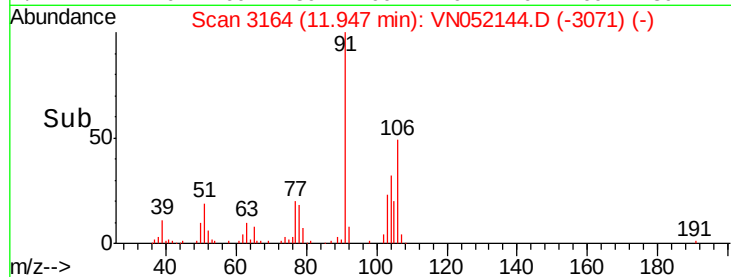
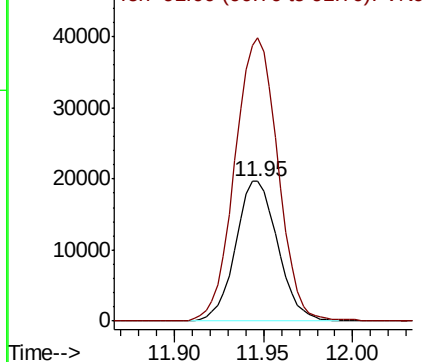
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.3	104.8	314.3

Manual Integrations
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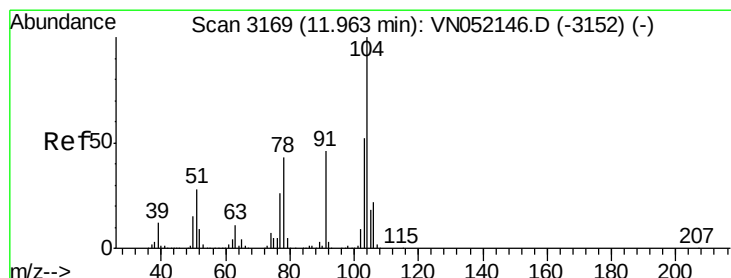


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



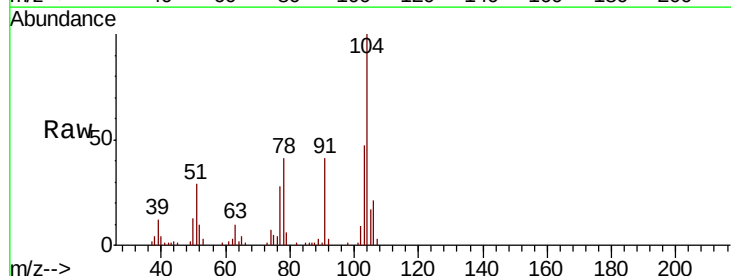
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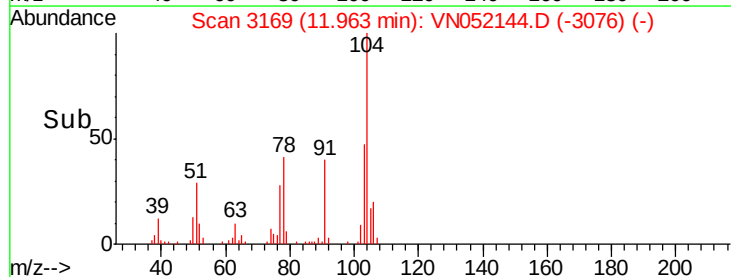
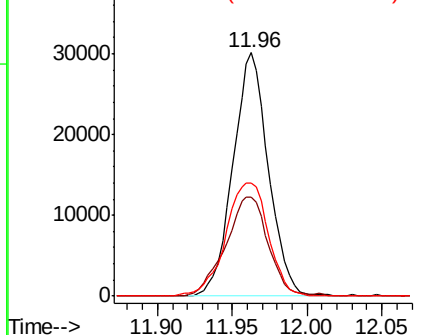


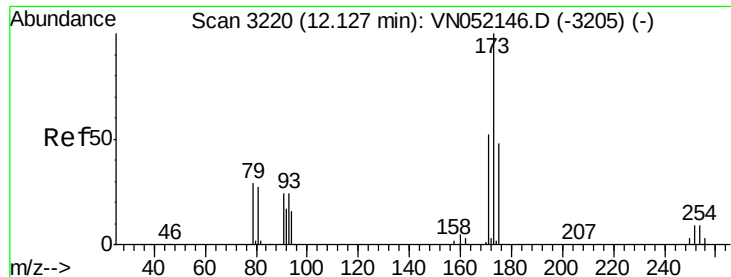
#70
Styrene
Concen: 4.504 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.4	59.0
103	56.2	45.1	67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.159 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

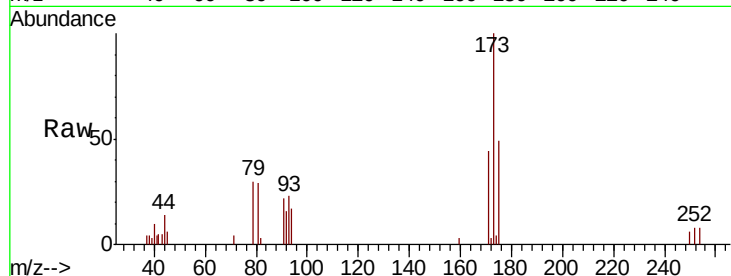
MSVOA_N

ClientSampled :

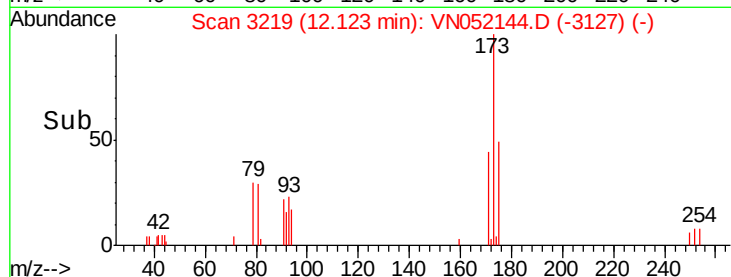
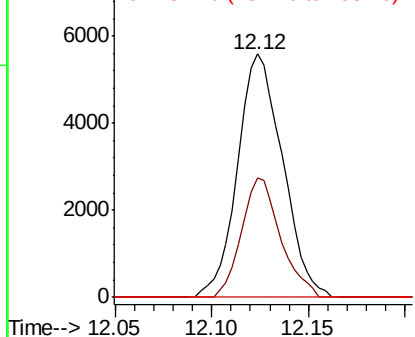
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.5	24.8	74.4
254	0.0	0.2	0.2

Manual Integrations
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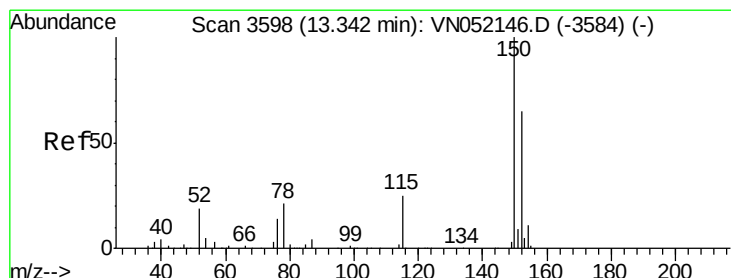


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

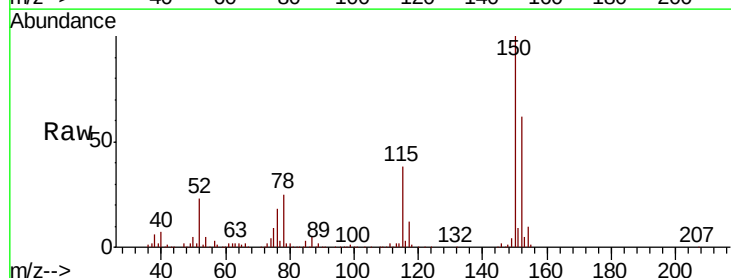
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

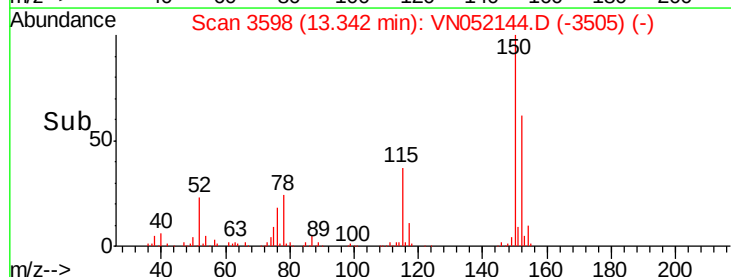
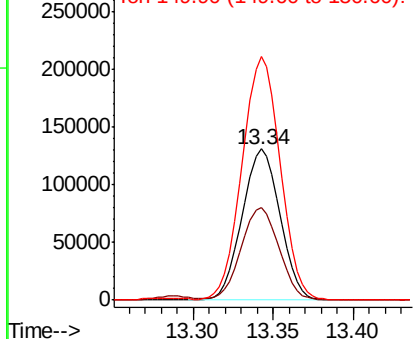
Lab File: VN052144.D

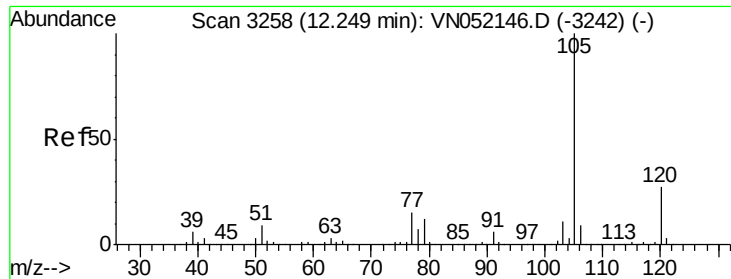
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	28.5	85.5
150	161.2	0.0	348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.144 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

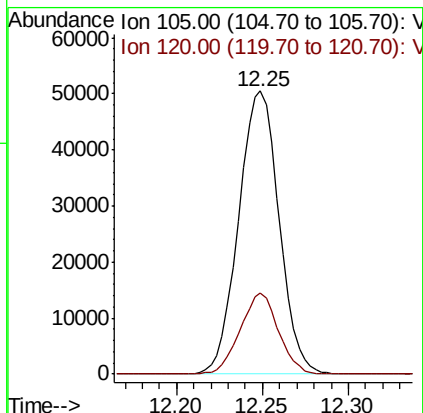
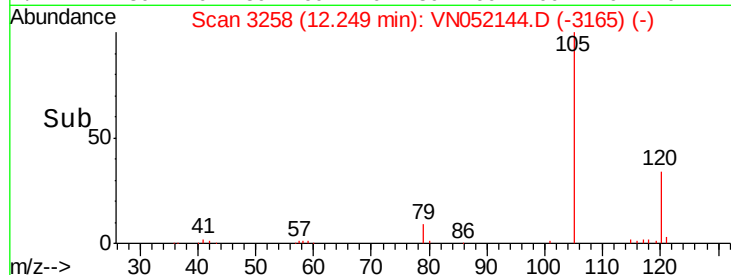
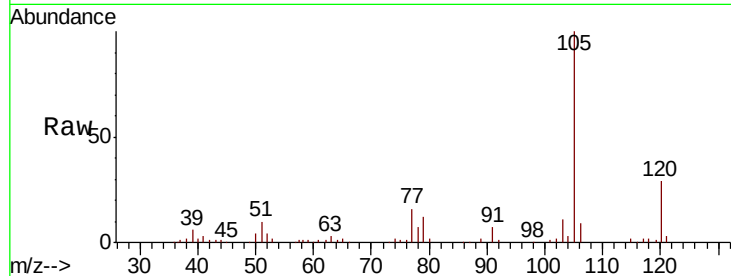
Tot Ion: 105 Resp: 82203

Ion Ratio Lower Upper

105 100

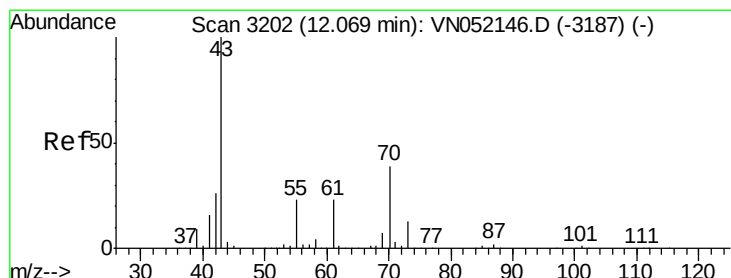
120 27.0 13.3 39.9

Manual Integrations
APPROVED



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11/6/2018 9:59:44 AM



#74

N-ethyl acetate

Concen: 4.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Tgt Ion: 43 Resp: 23290

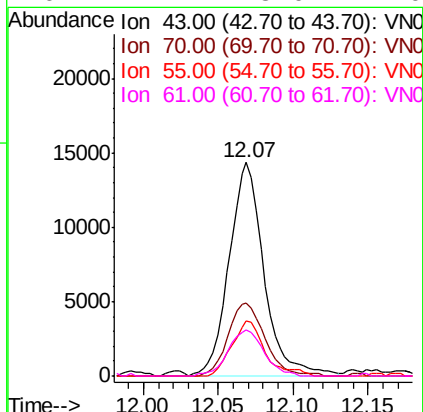
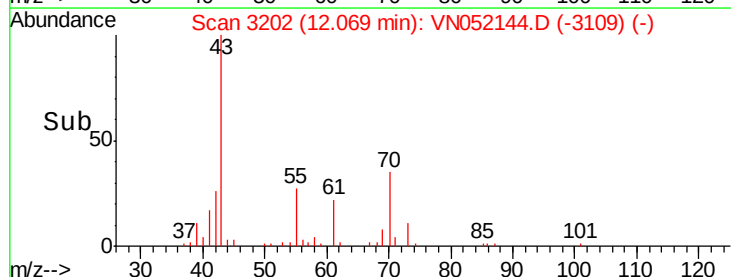
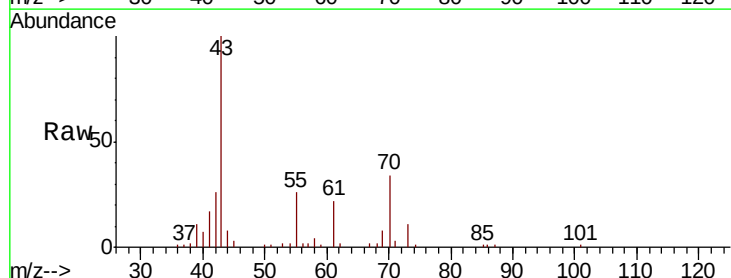
Ion Ratio Lower Upper

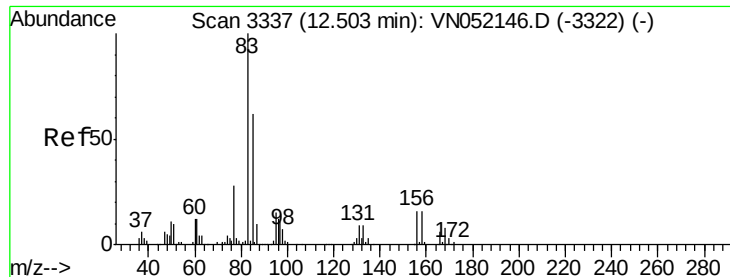
43 100

70 36.1 31.1 46.7

55 24.7 18.5 27.7

61 22.2 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.208 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

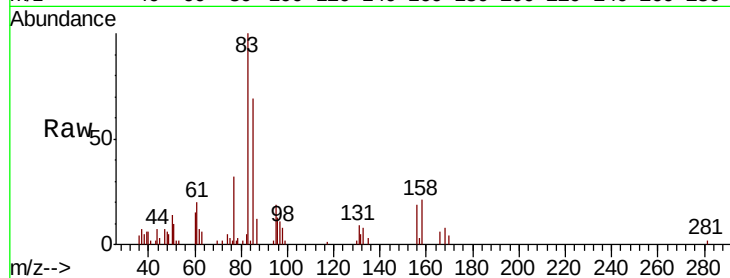
MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	18218
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	72.1	31.8	95.3

Manual Integrations
APPROVED

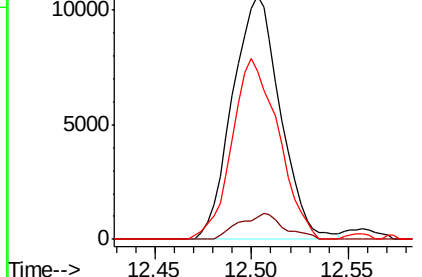
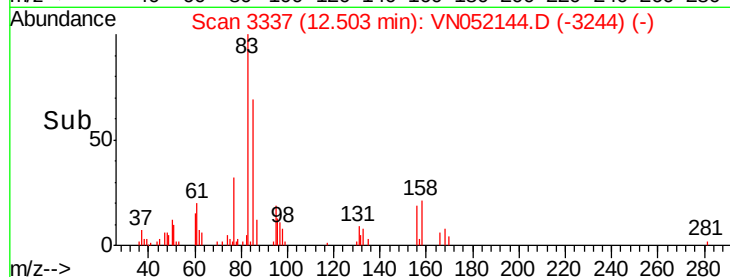


Abundance Ion 82.90 (82.60 to 83.60): VN052144.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052144.D (-3322) (-)

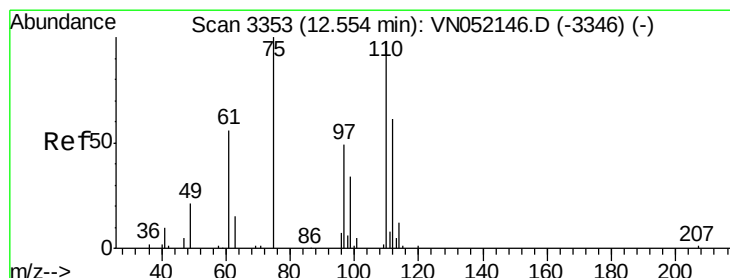
Ion 84.90 (84.60 to 85.60): VN052144.D (-3322) (-)

Time-->



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11/6/2018 9:59:44 AM



#76

1,2,3-Trichloropropane

Concen: 5.529 ug/l m

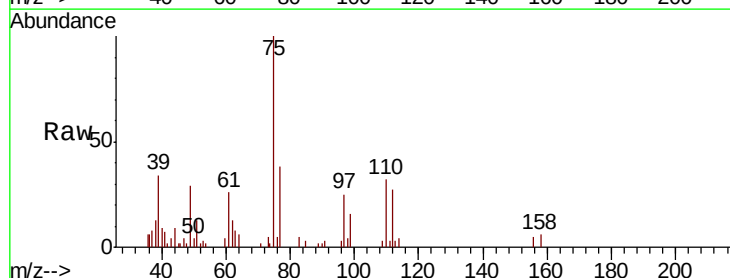
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

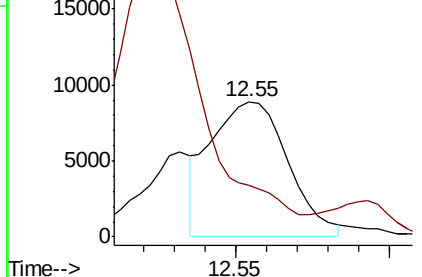
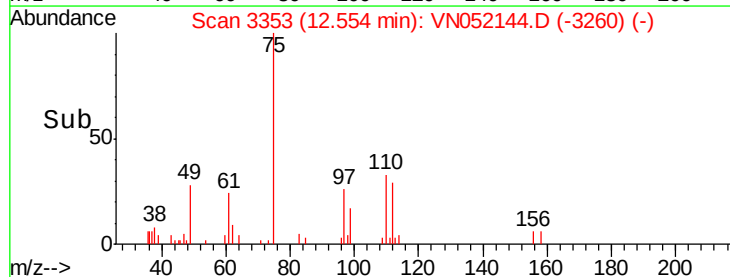
Tgt Ion:	75	Resp:	15601
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

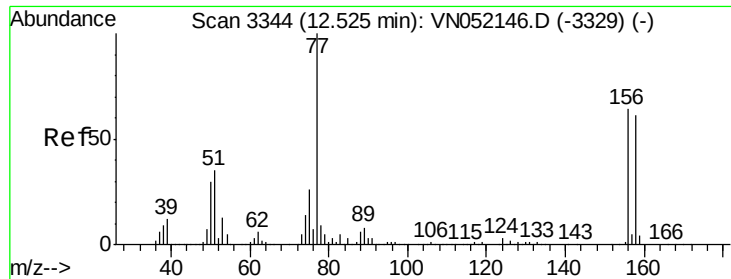


Abundance Ion 74.90 (74.60 to 75.60): VN052144.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052144.D (-3346) (-)

Time-->





#77

Bromobenzene

Concen: 4.810 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052144.D

Acq: 5 Nov 2018 13:09

Instrument :

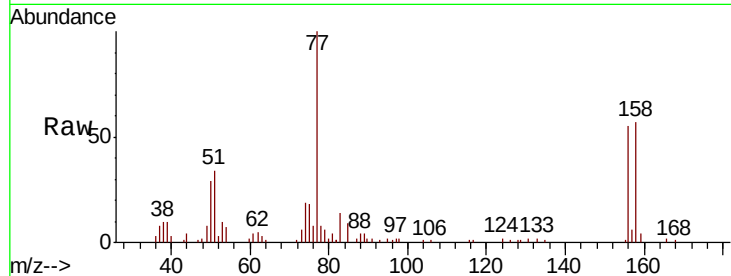
MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	18331
Ion Ratio	Lower	Upper	
156	100		
77	203.8	91.6	274.9
158	100.8	48.1	144.3

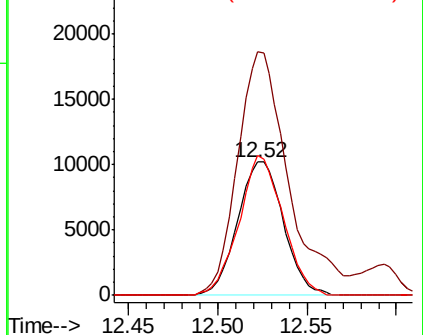
Manual Integrations
APPROVED



Abundance Ion 155.80 (155.50 to 156.50): V

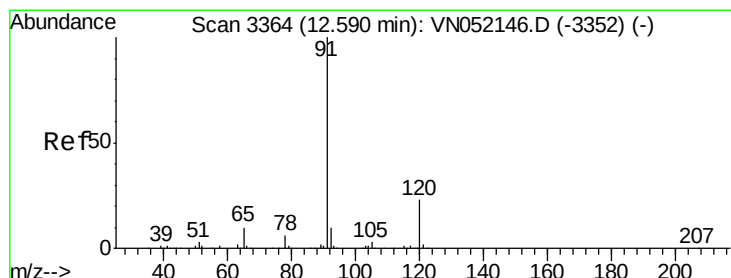
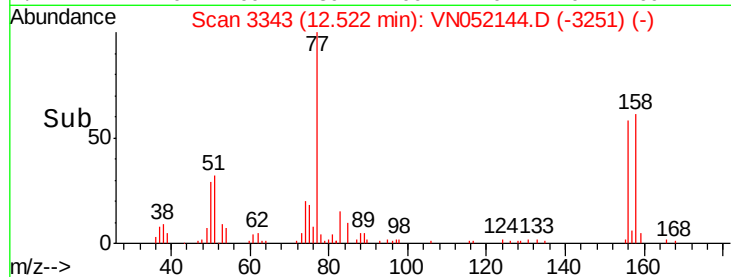
Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 5.059 ug/l

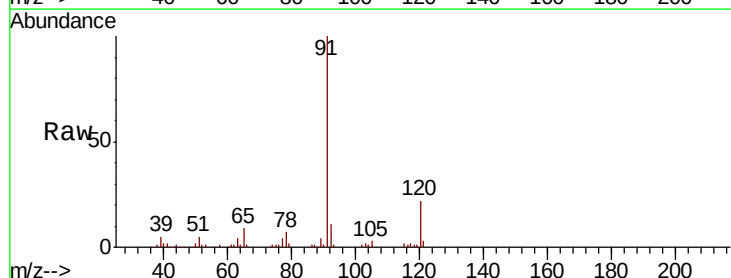
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052144.D

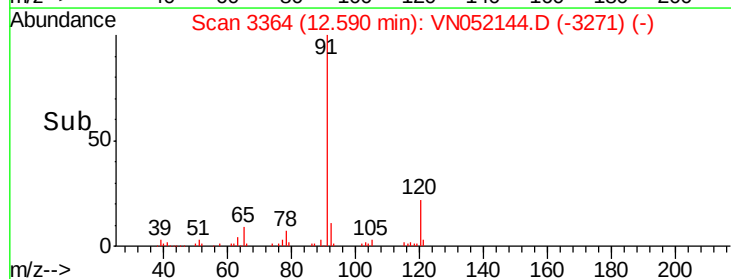
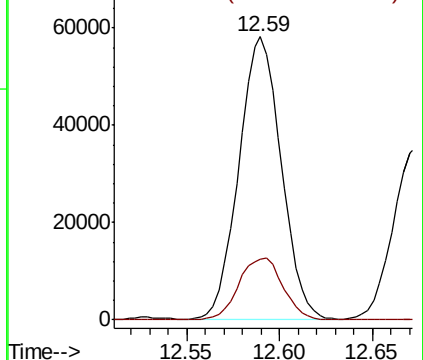
Acq: 5 Nov 2018 13:09

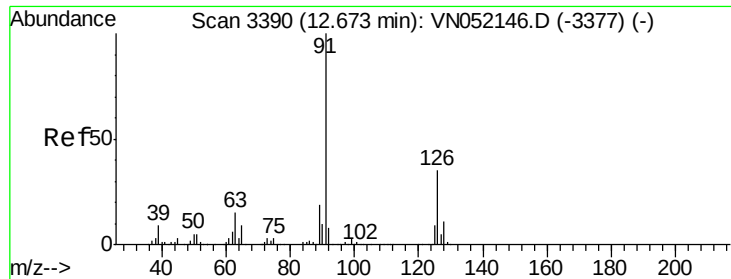
Tgt Ion:	91	Resp:	92407
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



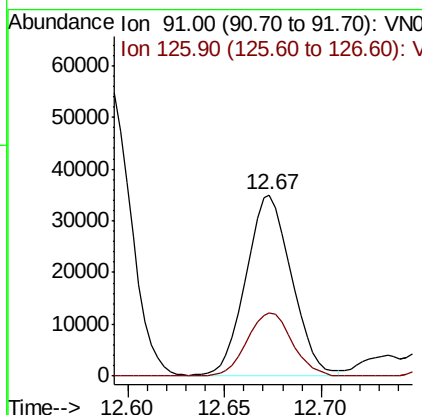
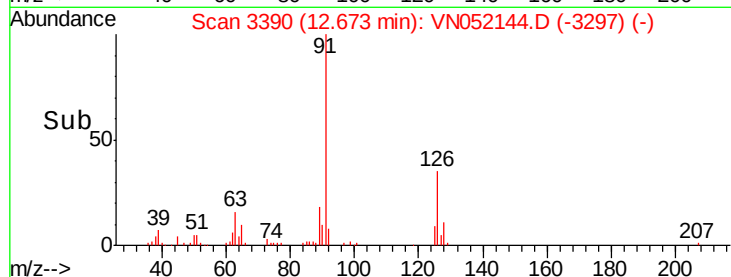
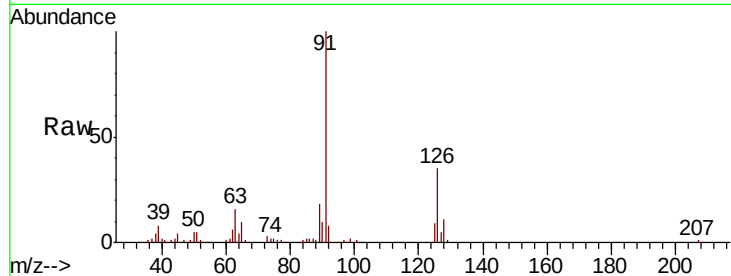


#79
 2-Chlorotoluene
 Concen: 5.377 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

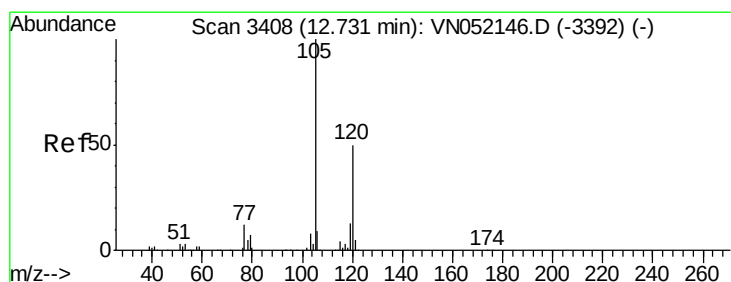
Tot Ion: 91 Resp: 57588
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.0 54.0

Manual Integrations
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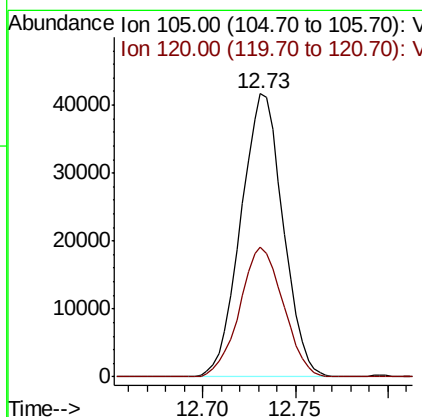
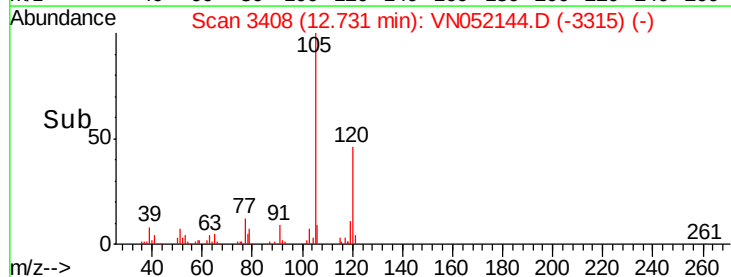
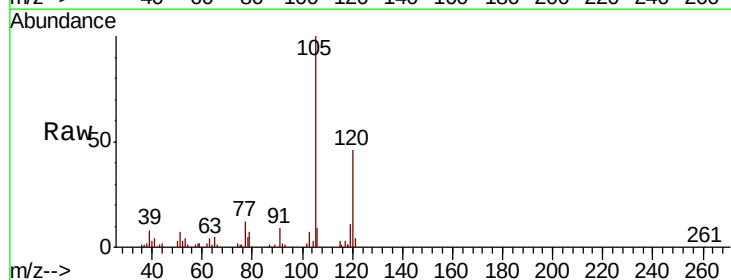
MMDadoda

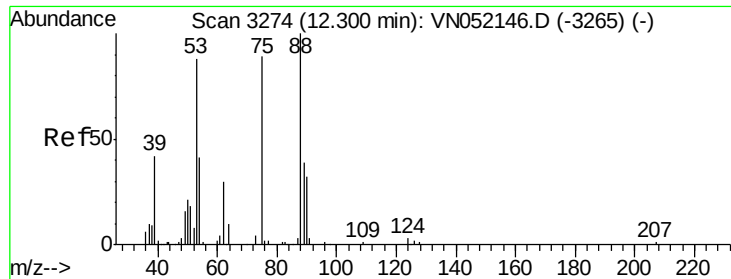
11/6/2018 9:59:44 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.089 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion: 105 Resp: 65827
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.9 74.6



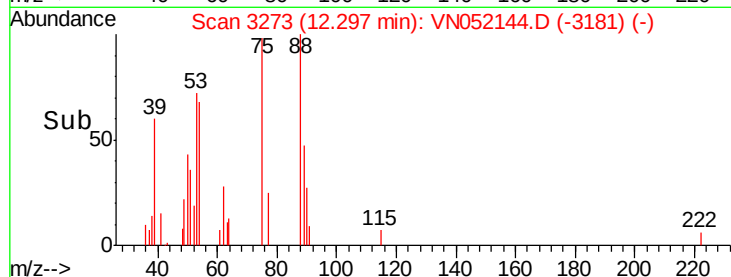
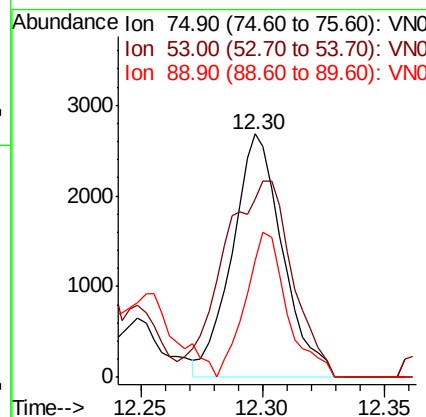
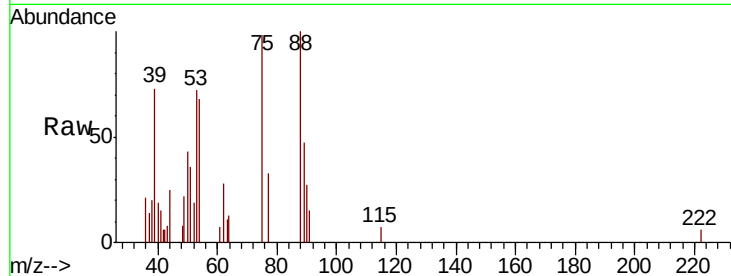


#81
trans-1,4-Dichloro-2-butene
Concen: 4.125 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

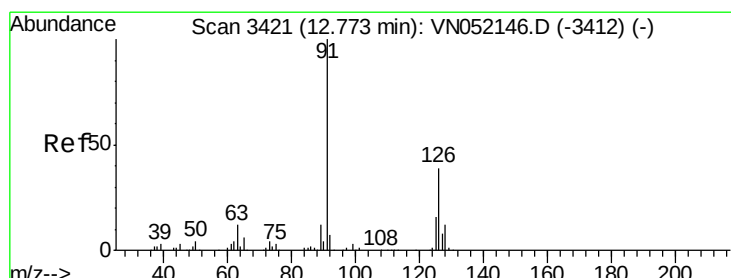
Tot Ion	Ratio	Lower	Upper
75	100		
53	110.8	79.4	119.0
89	49.1	35.8	53.8

Manual Integrations
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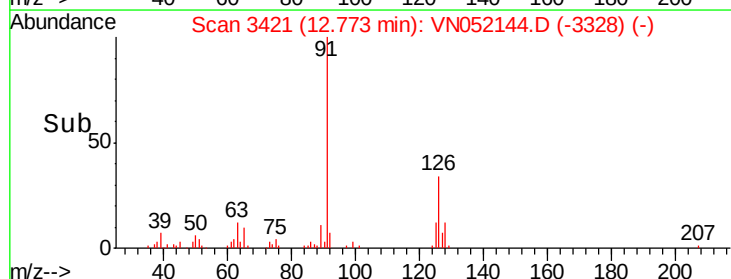
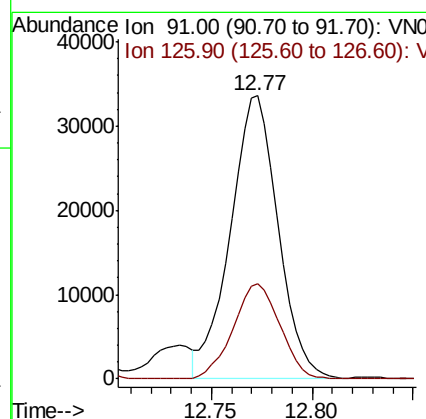
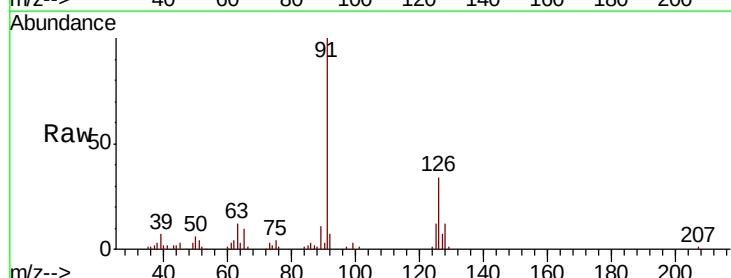
MMDadoda

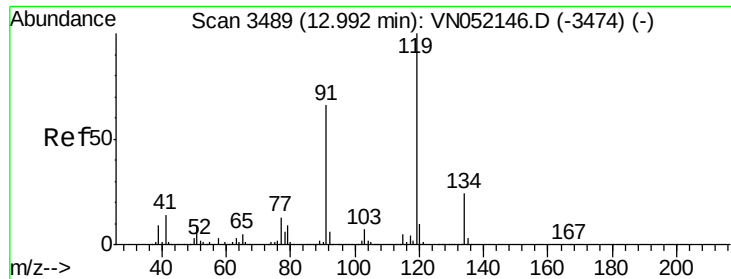
11/6/2018 9:59:44 AM



#82
4-Chlorotoluene
Concen: 5.177 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.8	53.5



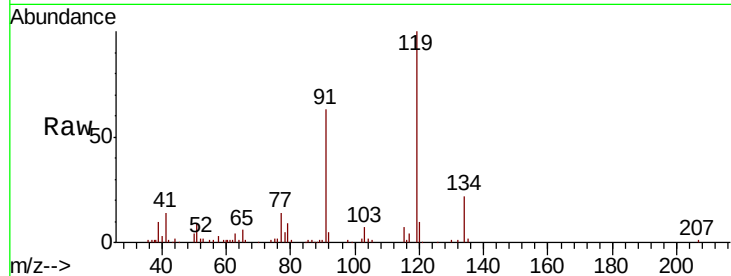


#83
tert-Butylbenzene
Concen: 5.151 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

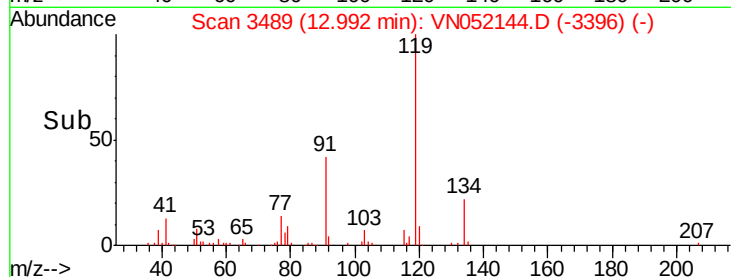
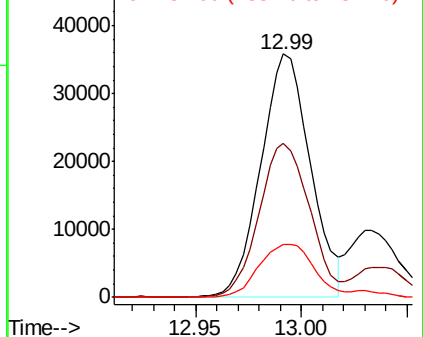
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.3	96.8
134	24.2	13.0	38.9

Manual Integrations
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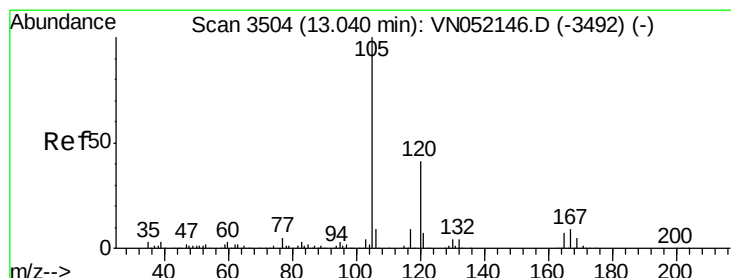


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



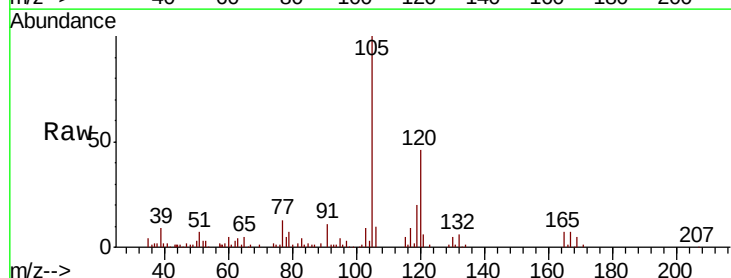
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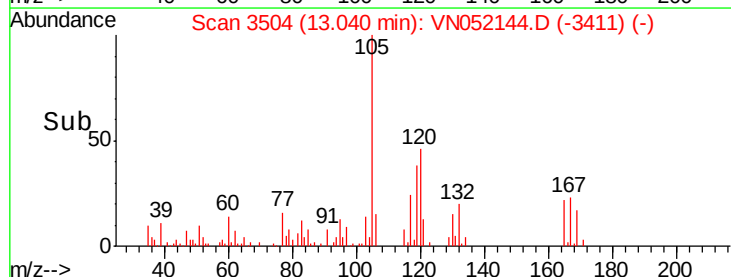
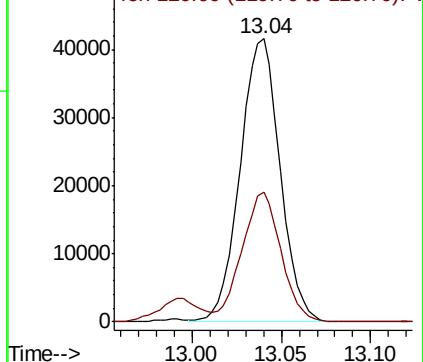


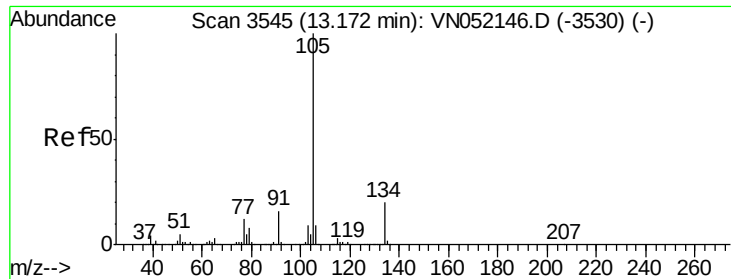
#84
1,2,4-Trimethylbenzene
Concen: 5.060 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.2	69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



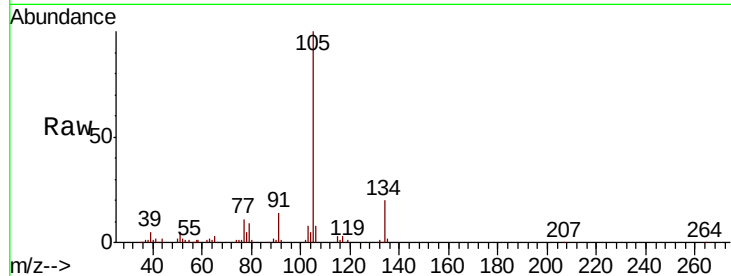


#85
 sec-Butylbenzene
 Concen: 5.069 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

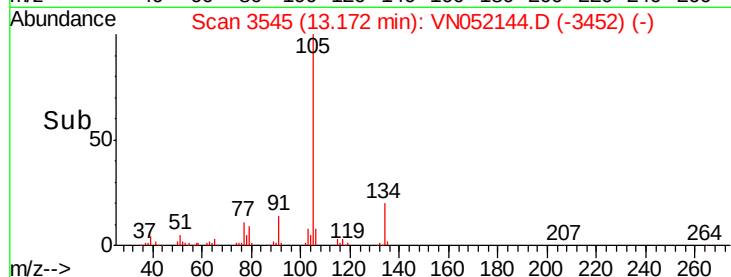
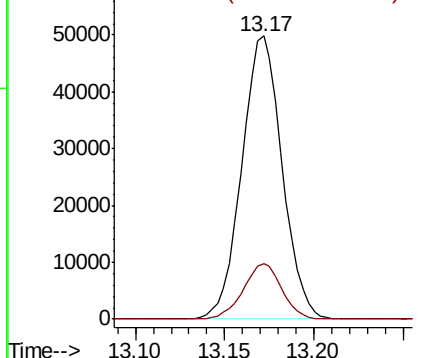
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.2	30.4

Manual Integrations
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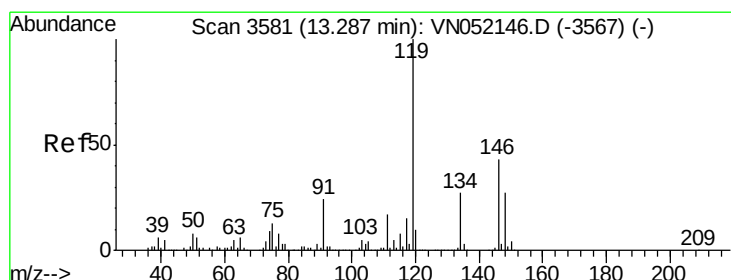


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



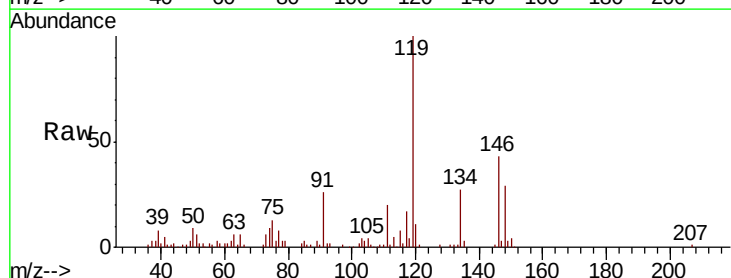
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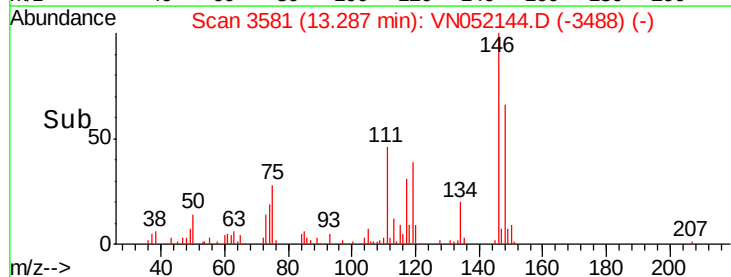
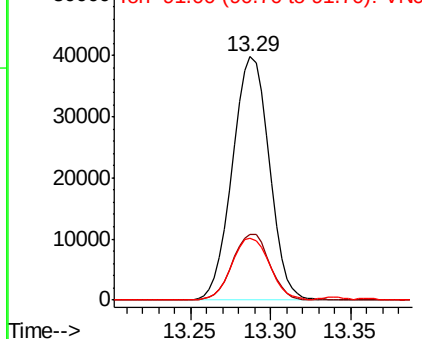


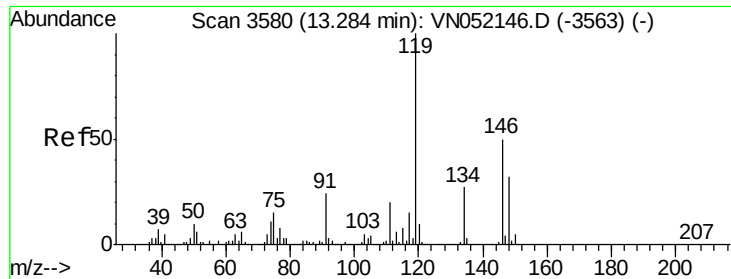
#86
 p-Isopropyltoluene
 Concen: 4.802 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.5
91	26.1	11.9	35.7



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



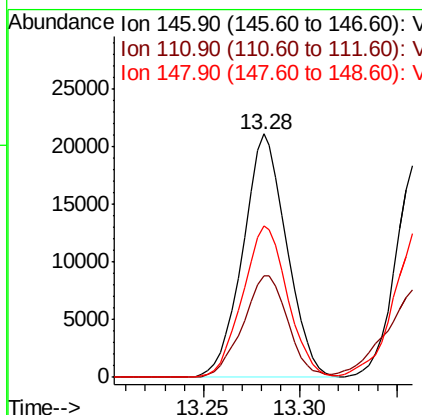
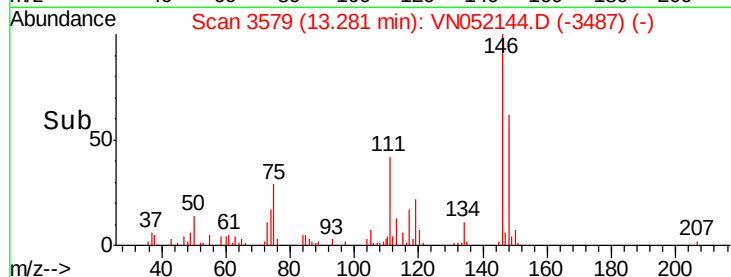
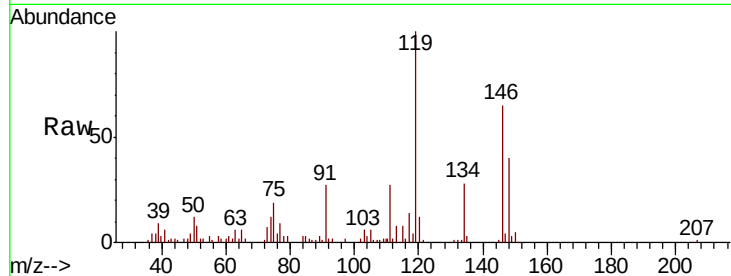


#87
 1,3-Dichlorobenzene
 Concen: 4.925 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

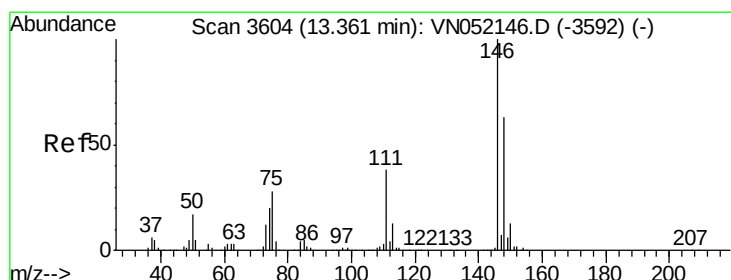
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.2	60.6
148	64.0	32.1	96.3

Manual Integrations
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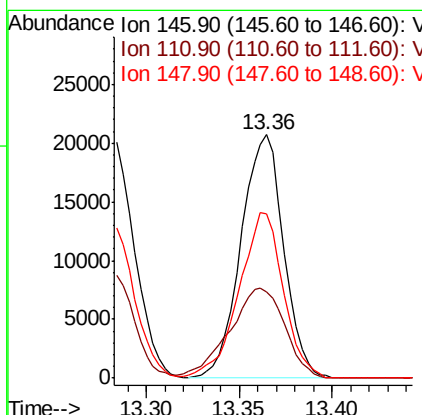
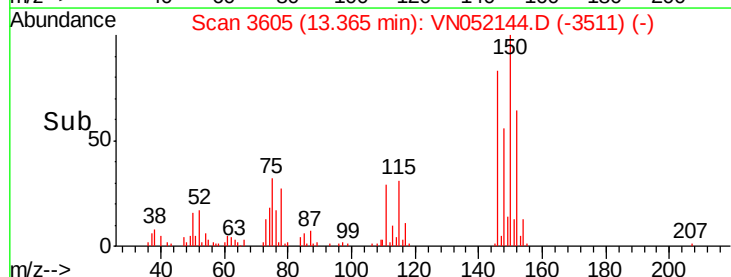
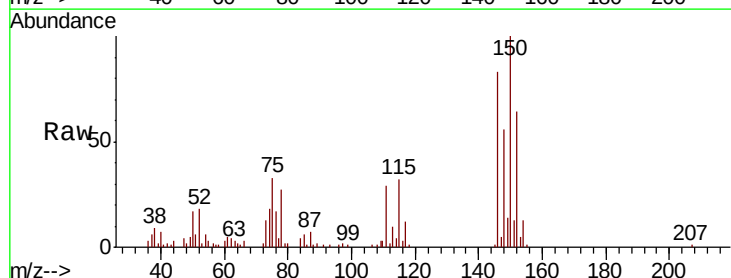
MMDadoda

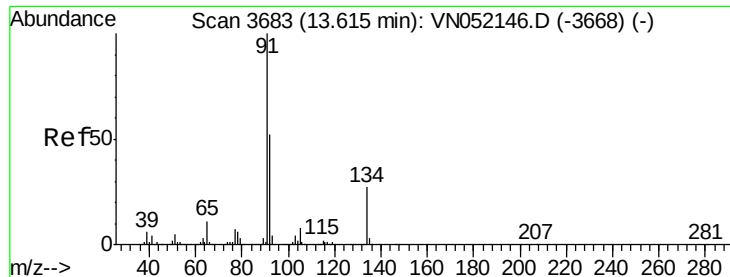
11/6/2018 9:59:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.907 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	19.4	58.1
148	70.9	31.5	94.5



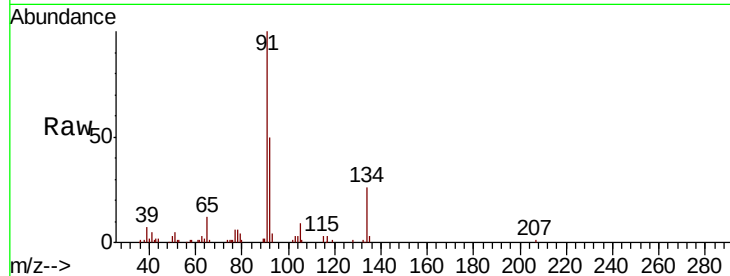


#89
n-Butylbenzene
Concen: 4.705 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

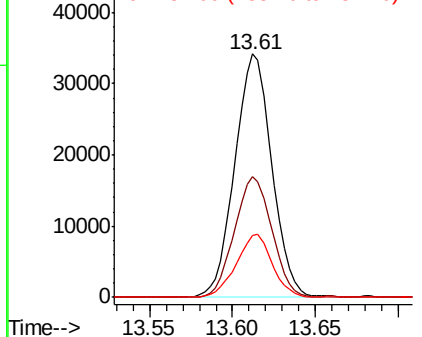
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.3	78.8
134	25.2	13.4	40.2

Manual Integrations
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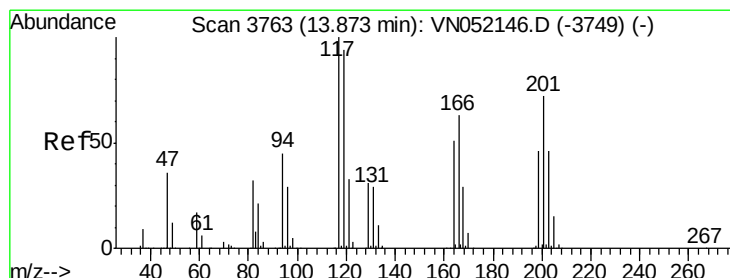
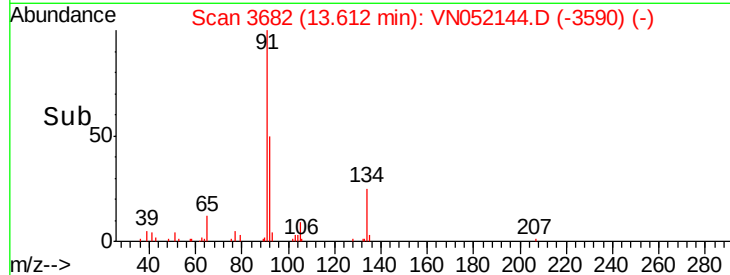


Abundance Ion 91.00 (90.70 to 91.70): VN052144.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN052144.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN052144.D (-3668) (-)



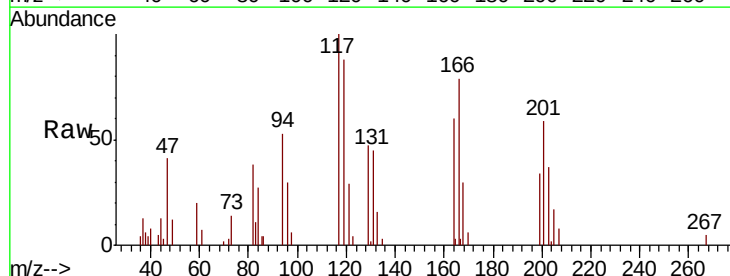
MMDadoda

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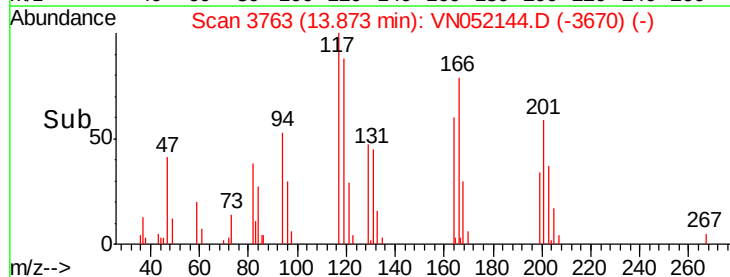
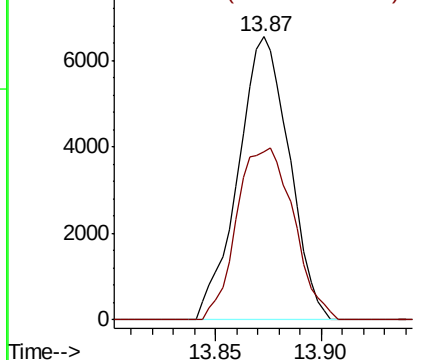


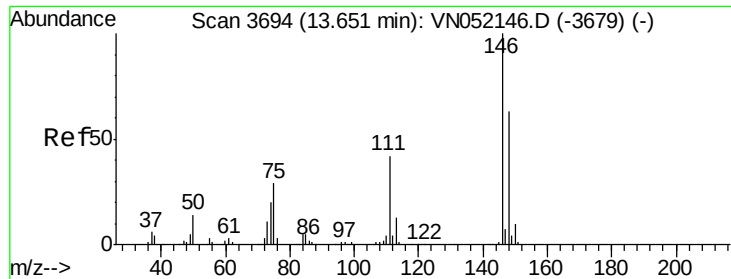
#90
Hexachloroethane
Concen: 5.039 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	36.8	110.3



Abundance Ion 116.80 (116.50 to 117.50): VN052144.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN052144.D (-3749) (-)



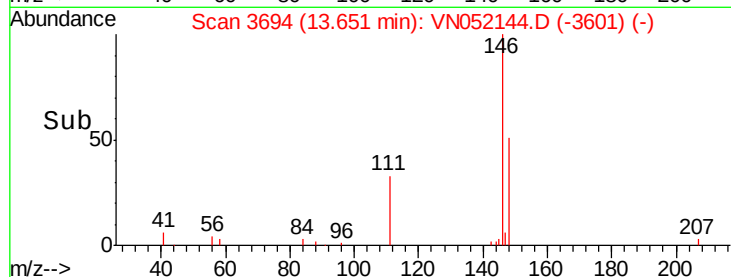
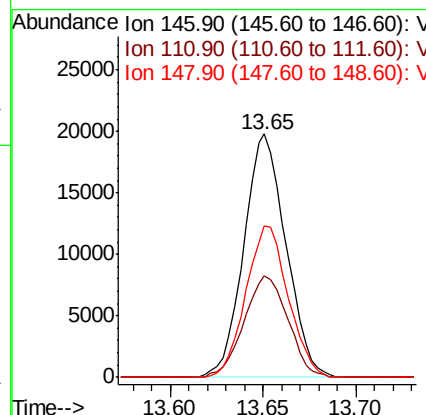
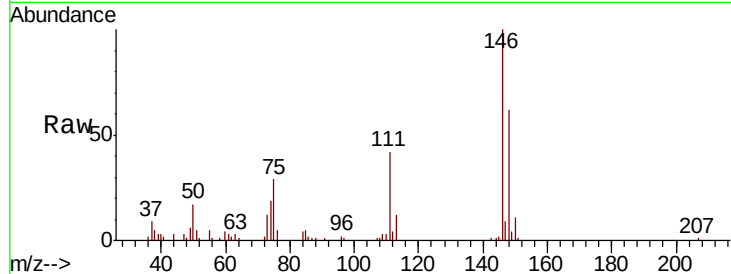


#91
 1,2-Dichlorobenzene
 Concen: 4.936 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

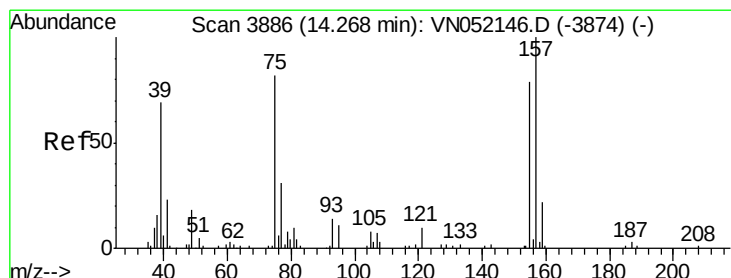
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.1
148	62.3	31.4	94.3

Manual Integrations
 APPROVED



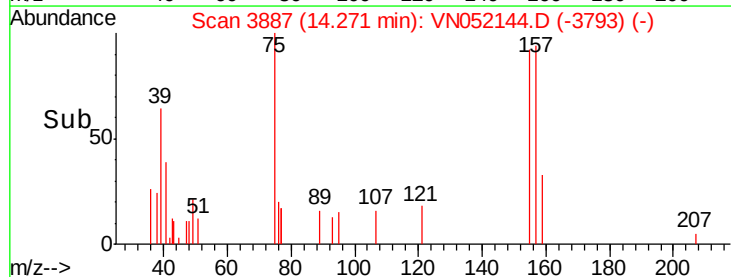
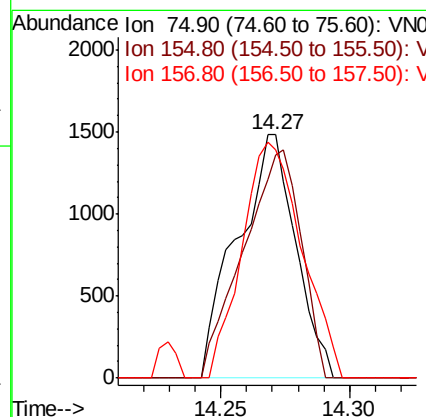
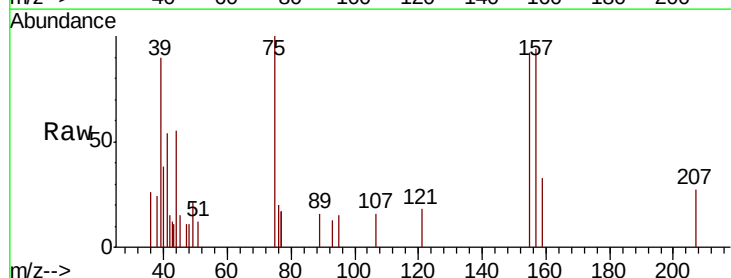
MMDadoda

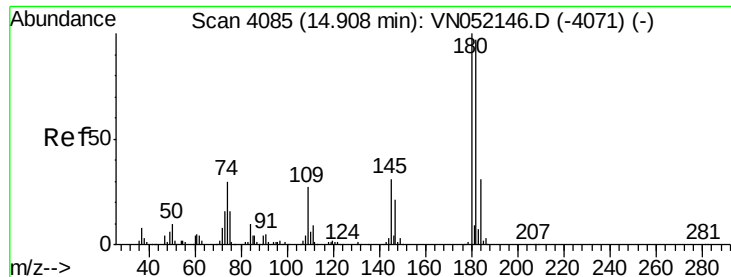
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.076 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	47.4	142.2
157	99.5	60.3	180.8



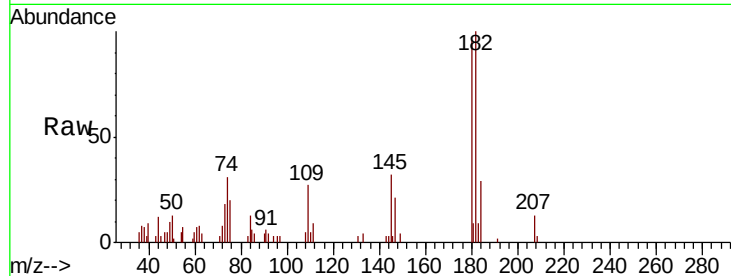


#93
 1,2,4-Trichlorobenzene
 Concen: 3.822 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

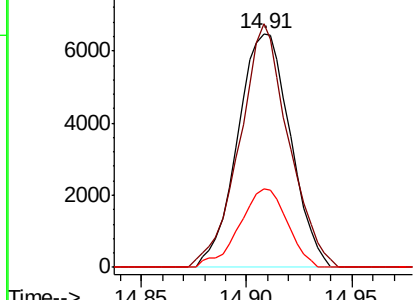
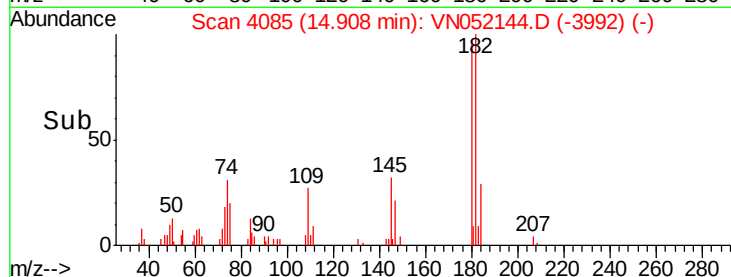
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.1	144.4
145	30.6	15.3	45.9

Manual Integrations
 APPROVED

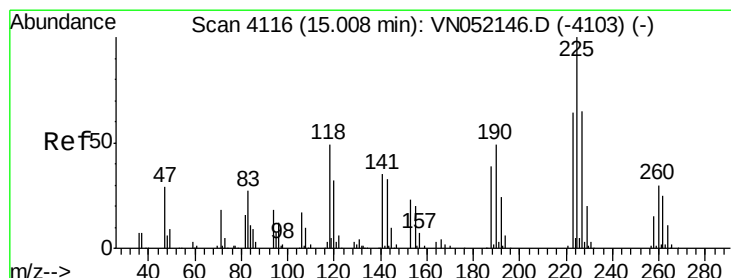


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



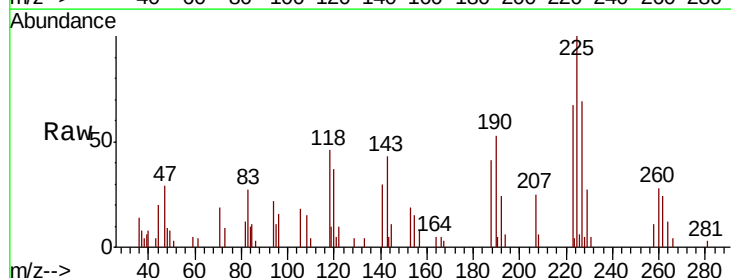
MMDadoda

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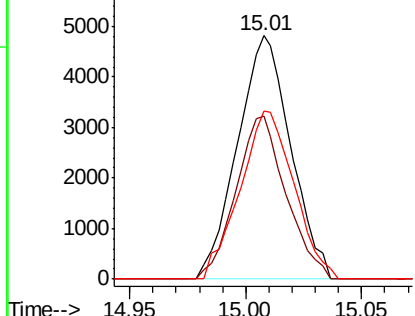
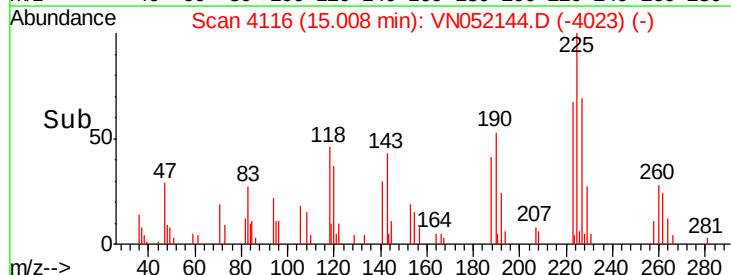


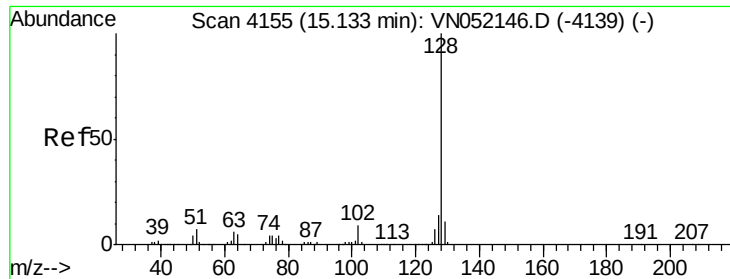
#94
 Hexachlorobutadiene
 Concen: 4.499 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052144.D
 Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.3	96.8
227	69.9	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



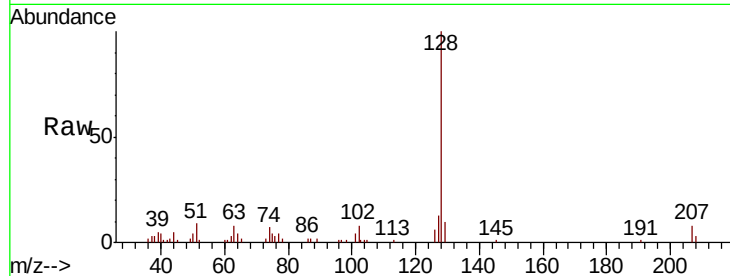


#95
Naphthalene
Concen: 4.050 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	9.5	9.1	13.7

Manual Integrations
APPROVED

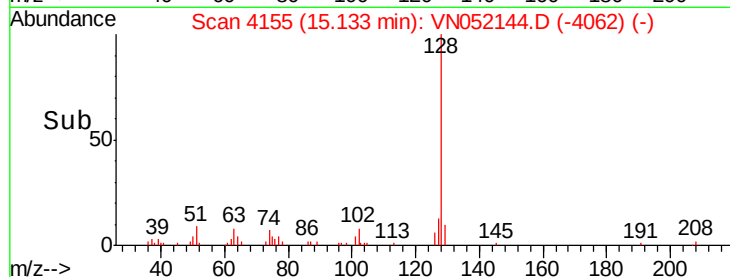
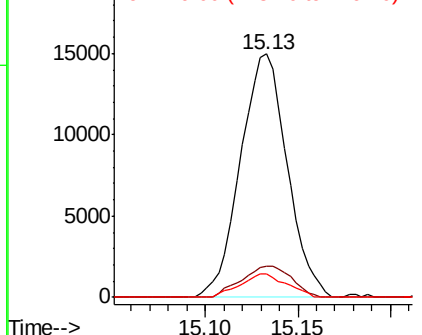


Abundance

Ion 128.00 (127.70 to 128.70): V

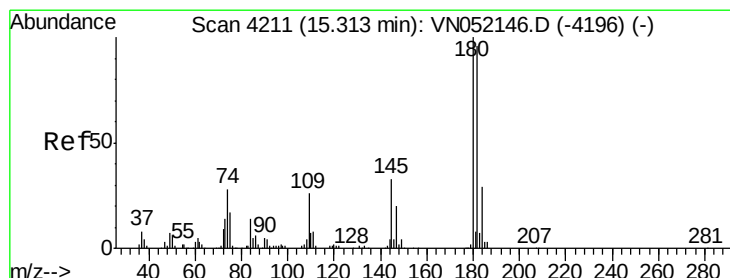
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



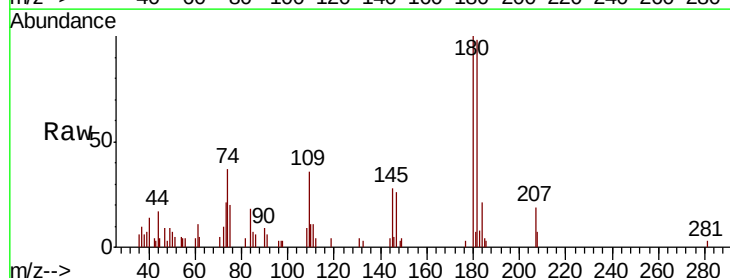
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#96
1,2,3-Trichlorobenzene
Concen: 3.840 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052144.D
Acq: 5 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.6	139.7
145	18.0	16.7	50.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

