

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051065.D
 Acq On : 10 Sep 2018 8:34
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:06 AM

Quant Time: Sep 11 02:08:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	660263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	972434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	862731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	359746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	39636	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	
35) Dibromofluoromethane	7.59	113	37192	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
50) Toluene-d8	10.09	98	138545	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.40	95	42068	4.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32697	5.14	ug/l	97
3) Chloromethane	2.06	50	48433	5.34	ug/l	99
4) Vinyl Chloride	2.18	62	47092	5.39	ug/l	98
5) Bromomethane	2.56	94	30892	5.27	ug/l	100
6) Chloroethane	2.70	64	29009	5.38	ug/l	99
7) Trichlorofluoromethane	3.01	101	62468	5.39	ug/l	98
8) Diethyl Ether	3.41	74	22254	5.22	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39155	5.24	ug/l	99
10) Methyl Iodide	3.95	142	25852	4.05	ug/l	98
11) Tert butyl alcohol	4.78	59	14789	26.35	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	36882	5.24	ug/l	99
13) Acrolein	3.61	56	20736	32.39	ug/l	97
14) Allyl chloride	4.32	41	54692	5.10	ug/l	100
15) Acrylonitrile	5.00	53	62706	25.21	ug/l	99
16) Acetone	3.82	43	61766	30.26	ug/l	97
17) Carbon Disulfide	4.05	76	111896	4.83	ug/l	98
18) Methyl Acetate	4.33	43	30102	5.12	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	93573	5.53	ug/l	98
20) Methylene Chloride	4.55	84	41813	5.15	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	38390	5.03	ug/l	93
22) Diisopropyl ether	5.95	45	107991	5.07	ug/l	92
23) Vinyl Acetate	5.90	43	349957	24.28	ug/l	100
24) 1,1-Dichloroethane	5.85	63	73382	5.43	ug/l	98
25) 2-Butanone	6.84	43	78740	27.26	ug/l	98
26) 2,2-Dichloropropane	6.82	77	58263	5.27	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	43260	5.16	ug/l	98
28) Bromochloromethane	7.19	49	31339	5.21	ug/l	100
29) Tetrahydrofuran	7.21	42	43857	24.31	ug/l	97
30) Chloroform	7.37	83	72205	5.37	ug/l	95
31) Cyclohexane	7.65	56	65748	4.81	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	60669	5.30	ug/l	99
36) 1,1-Dichloropropene	7.79	75	52172	4.89	ug/l	99
37) Ethyl Acetate	6.93	43	30389	4.91	ug/l #	93
38) Carbon Tetrachloride	7.77	117	54296	5.17	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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MMDadoda
 9/11/2018 9:40:06 AM

Quant Time: Sep 11 02:08:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	55264	4.69	ug/l	95
40) Benzene	8.04	78	167106	5.19	ug/l	98
41) Methacrylonitrile	7.18	41	15407	4.83	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	49414	5.27	ug/l	99
43) Isopropyl Acetate	8.17	43	54707	5.01	ug/l #	88
44) Trichloroethene	8.83	130	43922	4.99	ug/l	98
45) 1,2-Dichloropropane	9.12	63	43785	5.27	ug/l	96
46) Dibromomethane	9.21	93	25870	5.10	ug/l	99
47) Bromodichloromethane	9.40	83	52504	5.09	ug/l	98
48) Methyl methacrylate	9.20	41	24194	4.55	ug/l	97
49) 1,4-Dioxane	9.20	88	7670	91.99	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	152575	25.29	ug/l	96
52) Toluene	10.16	92	100691	5.13	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	48927	4.74	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	58767	4.86	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	37517	5.26	ug/l	97
56) Ethyl methacrylate	10.43	69	38047	4.46	ug/l	99
57) 1,3-Dichloropropane	10.71	76	60282	5.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	74071	21.25	ug/l	100
59) 2-Hexanone	10.75	43	100900	24.66	ug/l	96
60) Dibromochloromethane	10.90	129	41139	5.12	ug/l	97
61) 1,2-Dibromoethane	11.00	107	35811	5.14	ug/l	99
64) Tetrachloroethene	10.63	164	40880	5.19	ug/l	98
65) Chlorobenzene	11.43	112	111298	5.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	40167	5.13	ug/l	98
67) Ethyl Benzene	11.51	91	168636	4.79	ug/l	99
68) m/p-Xylenes	11.62	106	130880	9.67	ug/l	99
69) o-Xylene	11.95	106	61571	4.70	ug/l	96
70) Styrene	11.96	104	91377	4.50	ug/l	98
71) Bromoform	12.12	173	27249	4.94	ug/l #	99
73) Isopropylbenzene	12.25	105	162269	5.38	ug/l	100
74) N-amyl acetate	12.07	43	36057	4.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	46127	5.74	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	37247m	6.23	ug/l	
77) Bromobenzene	12.53	156	43394	5.36	ug/l	99
78) n-propylbenzene	12.59	91	171368	5.17	ug/l	98
79) 2-Chlorotoluene	12.67	91	111417	5.38	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	126833	5.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9628	5.08	ug/l	91
82) 4-Chlorotoluene	12.77	91	107445	5.22	ug/l	99
83) tert-Butylbenzene	12.99	119	116140	5.39	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	124975	5.21	ug/l	100
85) sec-Butylbenzene	13.17	105	146407	5.30	ug/l	99
86) p-Isopropyltoluene	13.29	119	116762	4.99	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	68605	4.99	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	65829	4.86	ug/l	95
89) n-Butylbenzene	13.61	91	83636	4.59	ug/l	98
90) Hexachloroethane	13.87	117	25350	5.30	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	67706	5.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5327	4.54	ug/l	95

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

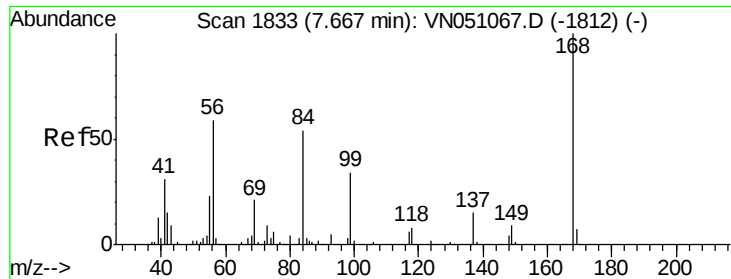
Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:06 AM

Quant Time: Sep 11 02:08:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17280	3.00	ug/l	99
94) Hexachlorobutadiene	15.01	225	23761	5.03	ug/l	97
95) Naphthalene	15.13	128	32801	2.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	19076	3.19	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 660263

Ion Ratio Lower Upper

168 100

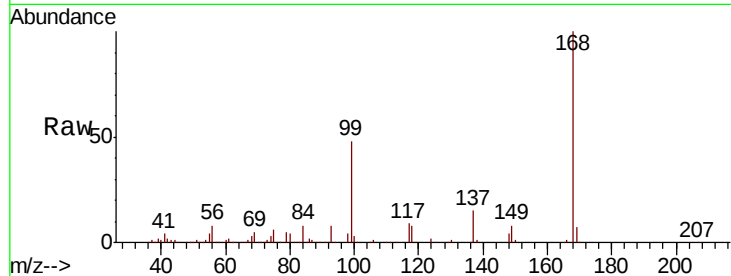
99 48.3 38.3 57.5

Manual Integrations

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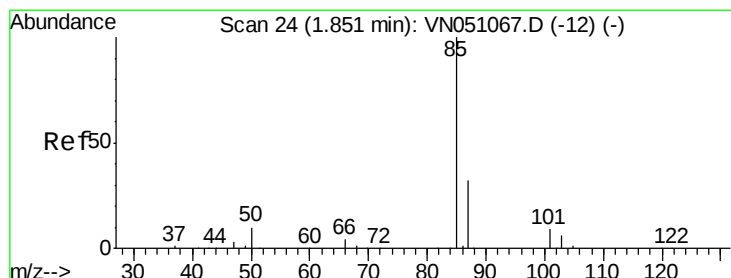
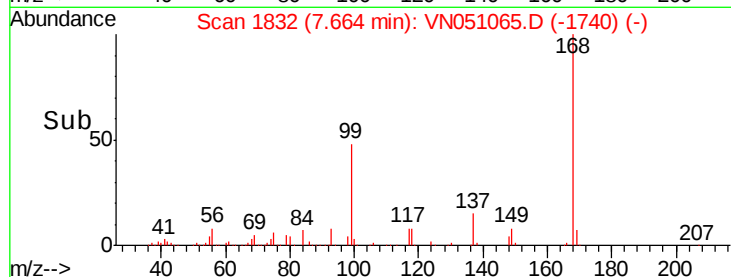
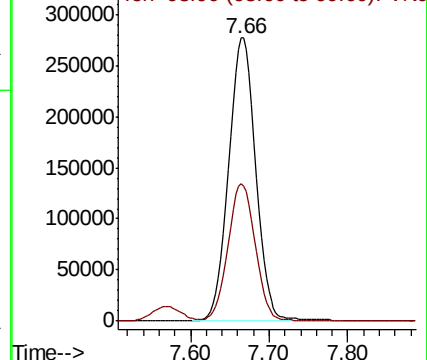
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9/11/2018 9:40:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 5.14 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051065.D

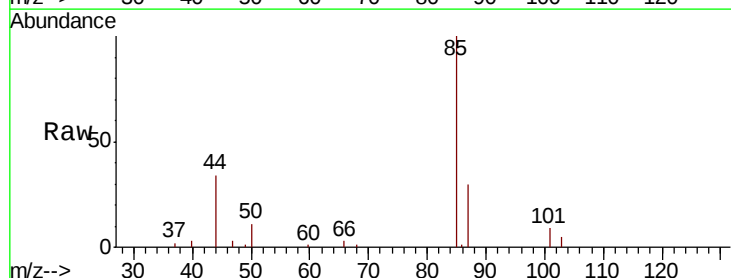
Acq: 10 Sep 2018 8:34

Tgt Ion: 85 Resp: 32697

Ion Ratio Lower Upper

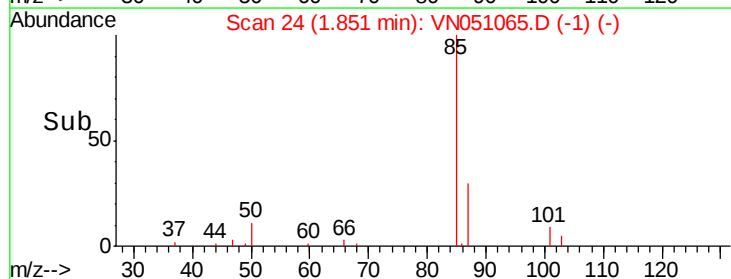
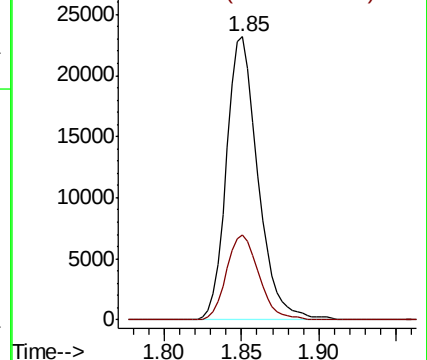
85 100

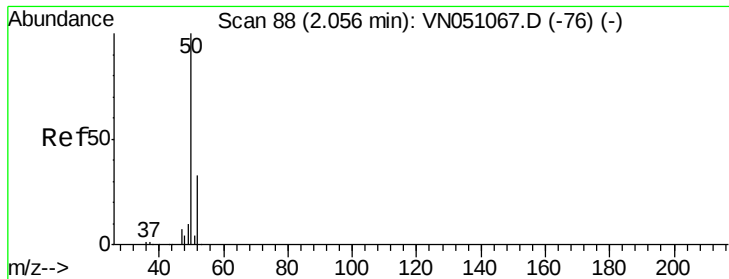
87 30.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 5.34 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 48433

Ion Ratio Lower Upper

50 100

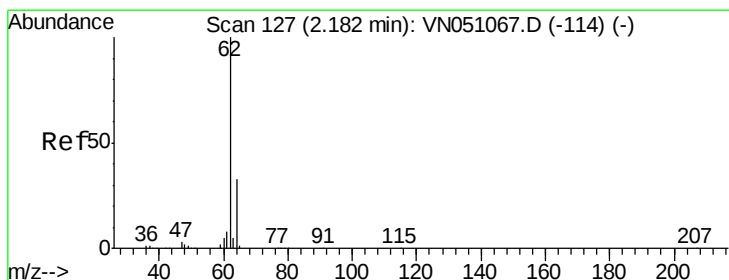
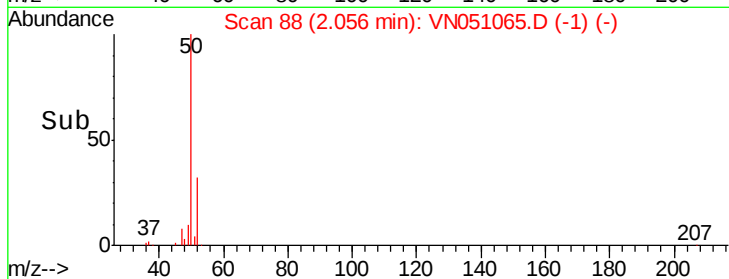
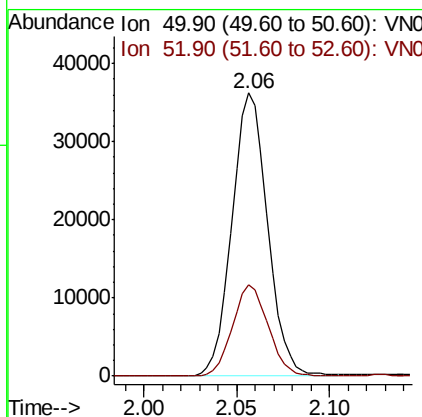
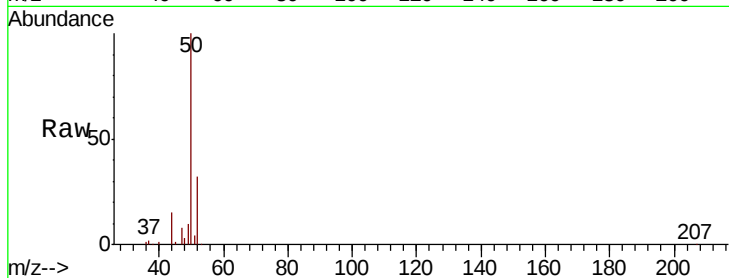
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.39 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051065.D

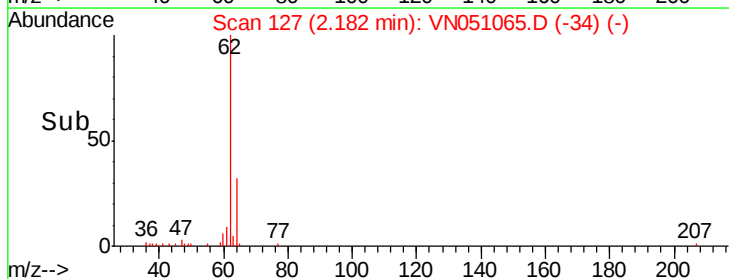
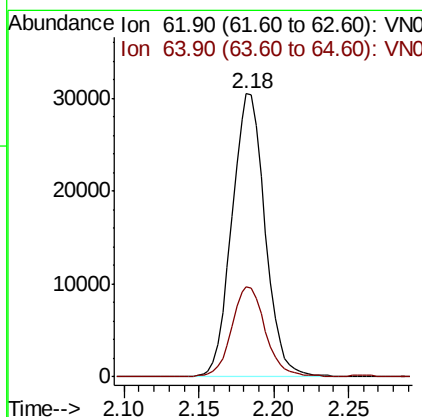
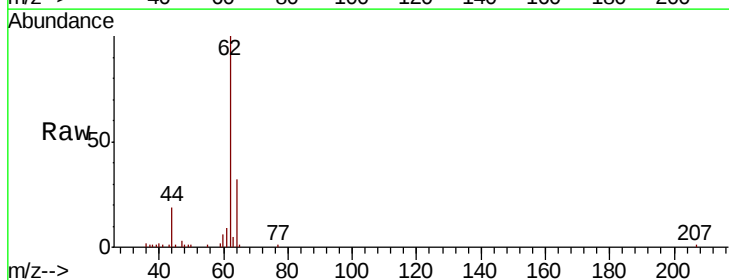
Acq: 10 Sep 2018 8:34

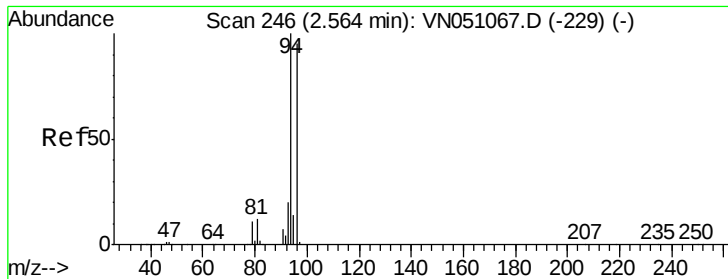
Tgt Ion: 62 Resp: 47092

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 5.27 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 30892

Ion Ratio Lower Upper

94 100

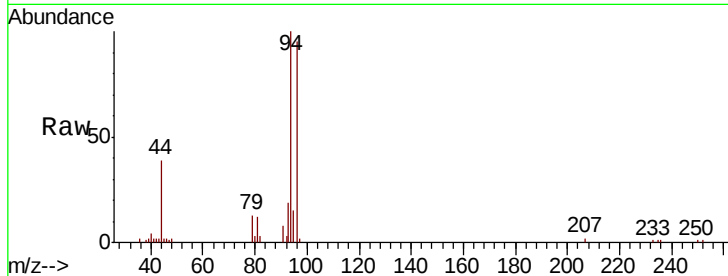
96 94.6 75.9 113.9

Manual Integrations

APPROVED

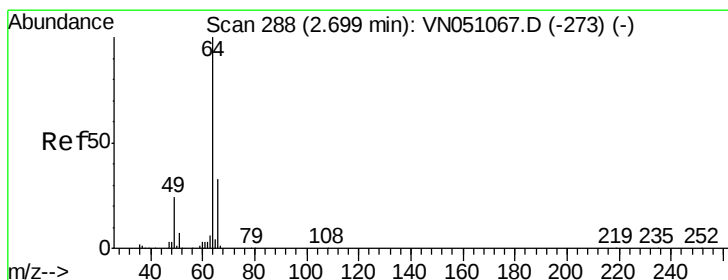
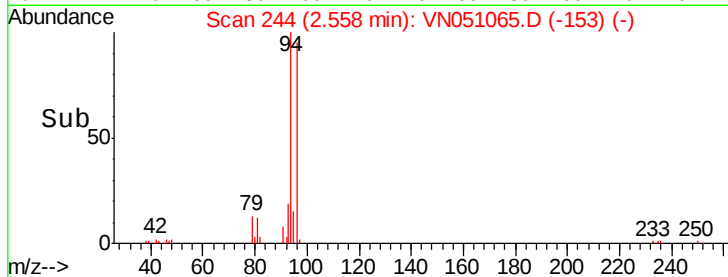
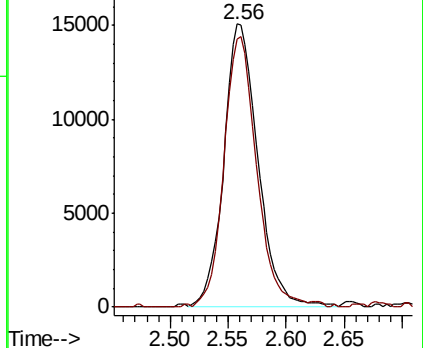
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9/11/2018 9:40:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.38 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051065.D

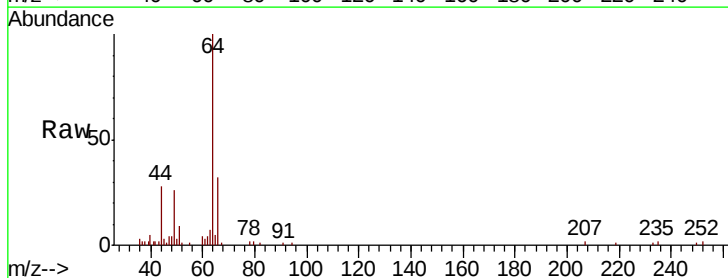
Acq: 10 Sep 2018 8:34

Tgt Ion: 64 Resp: 29009

Ion Ratio Lower Upper

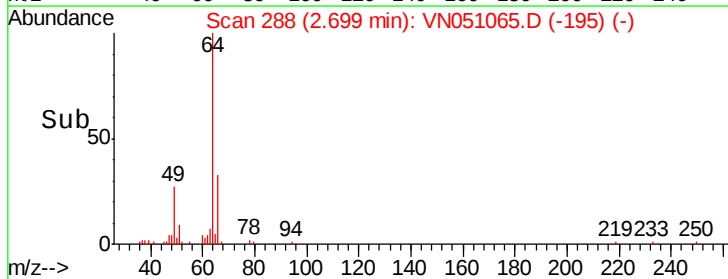
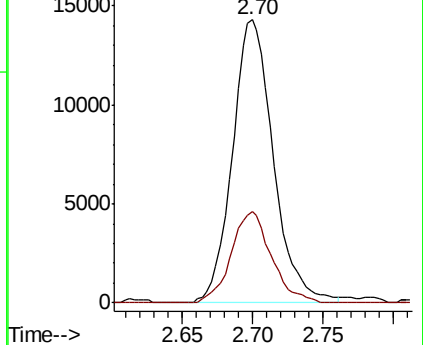
64 100

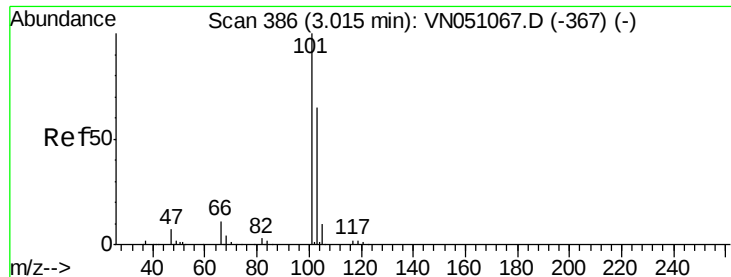
66 32.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 5.39 ug/l

RT: 3.01 min Scan# 385

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 62468

Ion Ratio Lower Upper

101 100

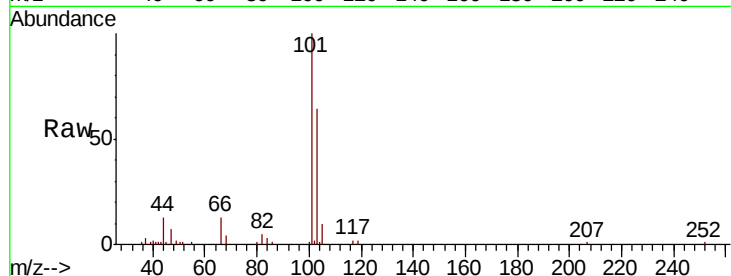
103 63.7 52.4 78.6

Manual Integrations

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9/11/2018 9:40:06 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

30000

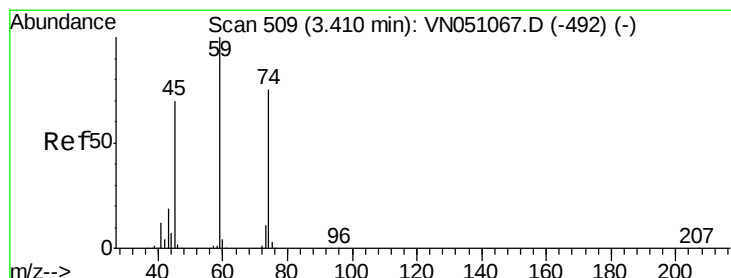
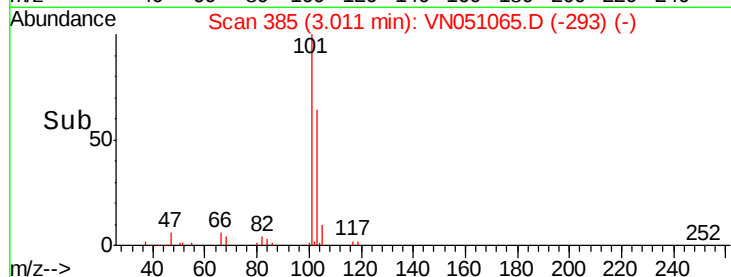
20000

10000

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Time-->

2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 5.22 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN051065.D

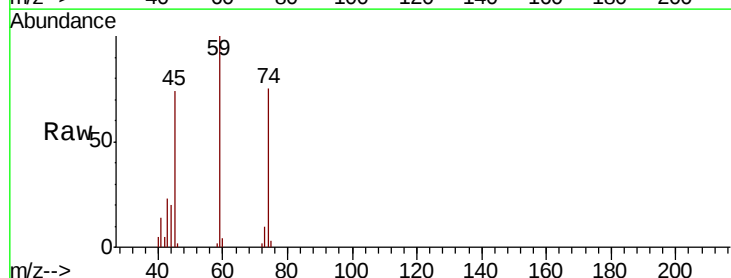
Acq: 10 Sep 2018 8:34

Tgt Ion: 74 Resp: 22254

Ion Ratio Lower Upper

74 100

45 97.5 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

10000

8000

6000

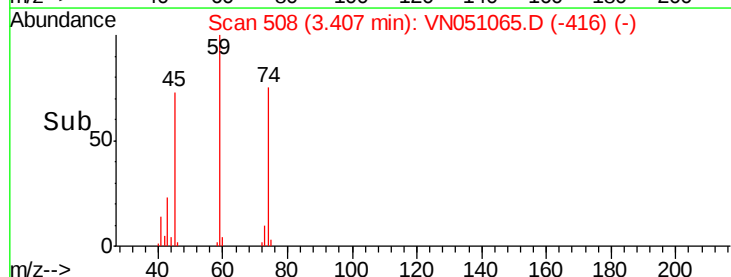
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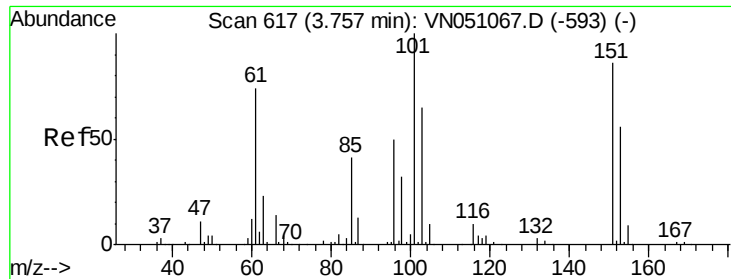
2000

0

Time-->

3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.24 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

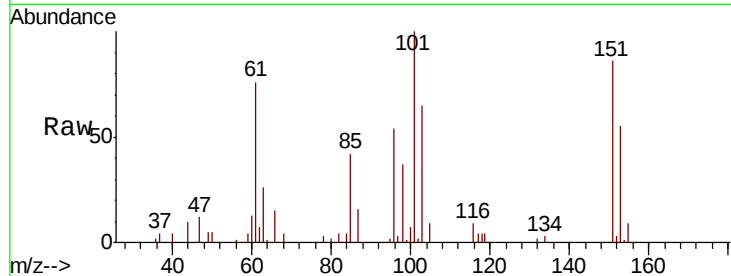
ClientSampleId :

VSTDIC005

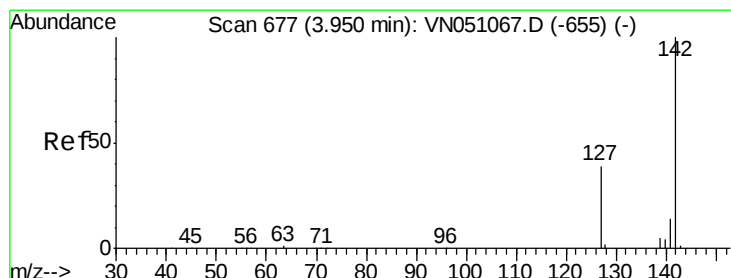
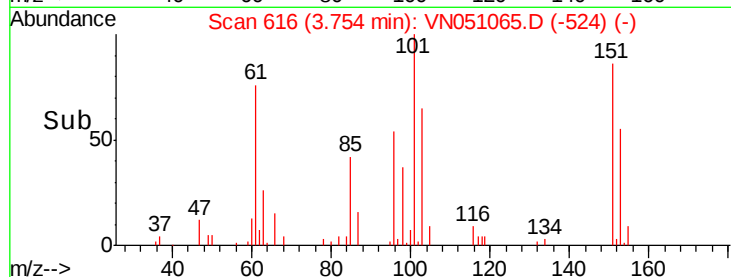
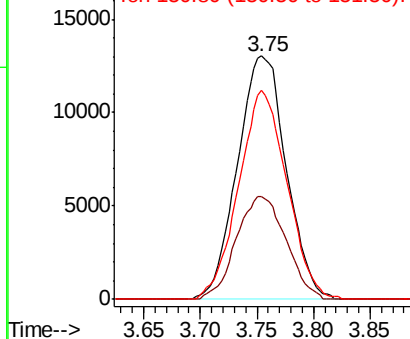
Tot Ion:	101	Resp:	39155
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.3	49.9
151	84.8	68.2	102.2

Manual Integrations
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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



#10

Methyl Iodide

Concen: 4.05 ug/l

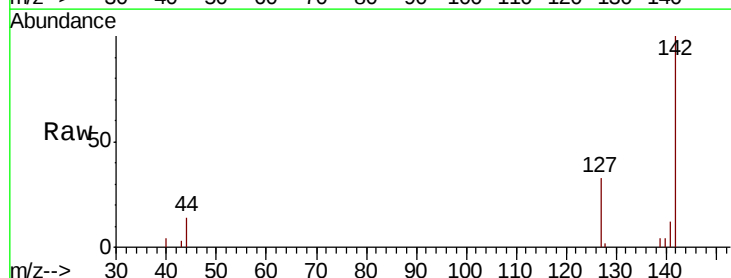
RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

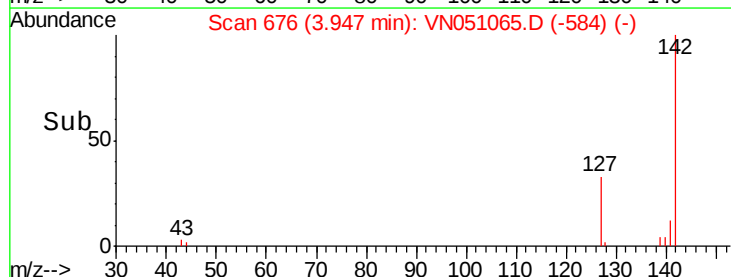
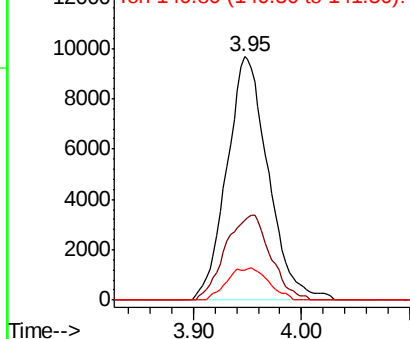
Lab File: VN051065.D

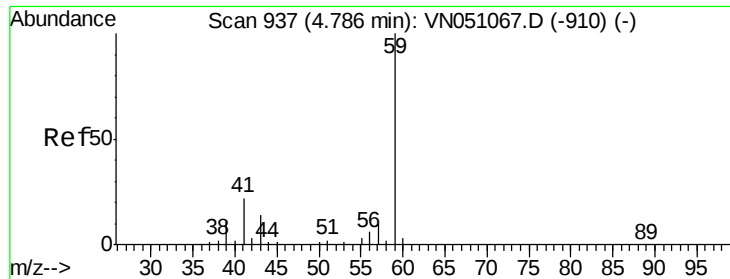
Acq: 10 Sep 2018 8:34

Tgt Ion:	142	Resp:	25852
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.2	11.3	16.9



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





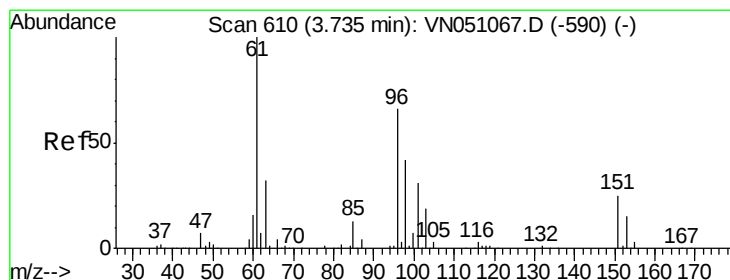
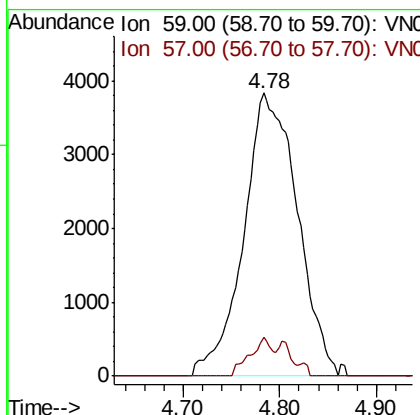
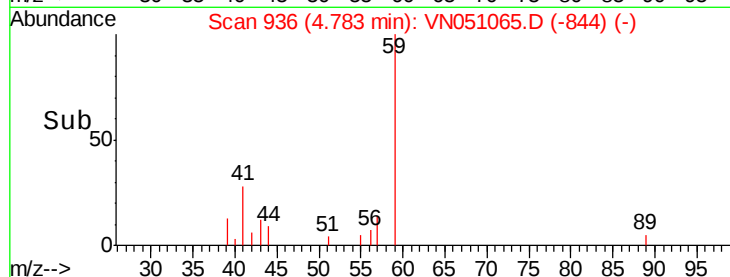
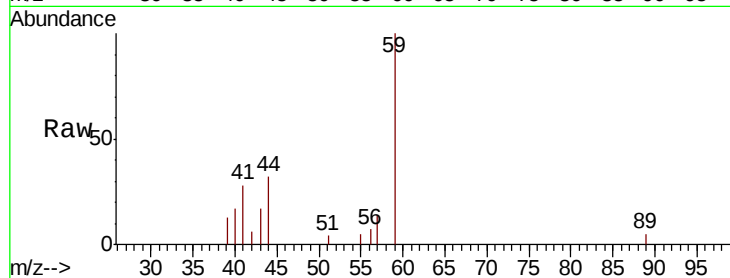
#11
Tert butyl alcohol
Concen: 26.35 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.1	12.1#

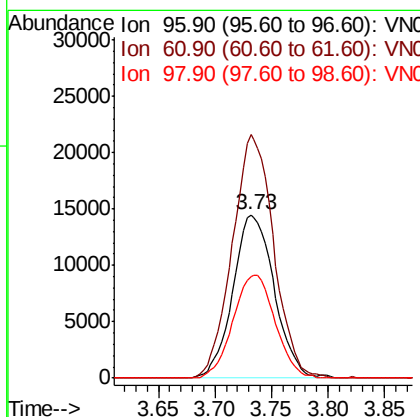
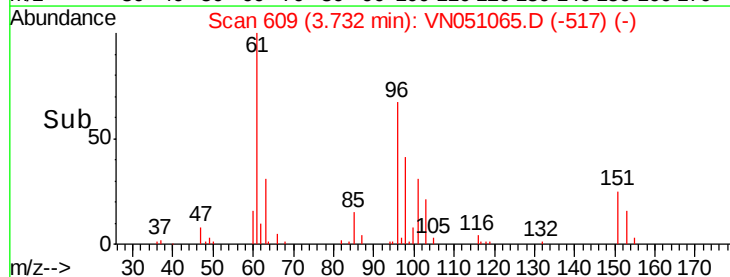
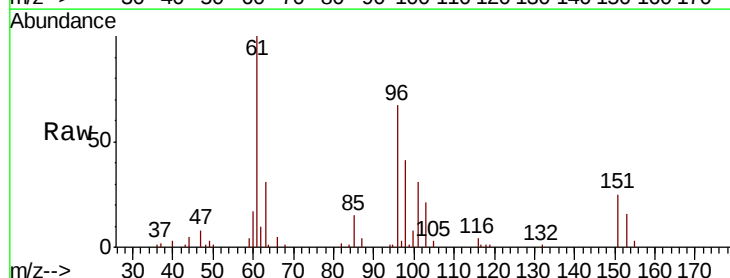
Manual Integrations
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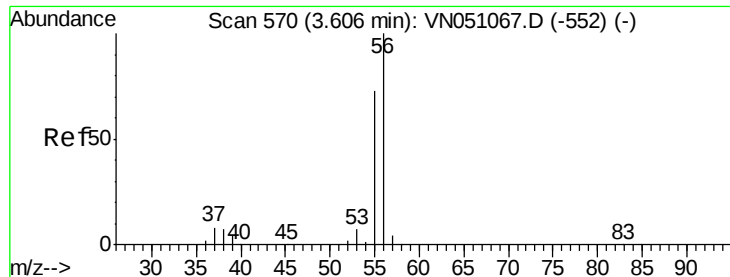
MMDadoda
9/11/2018 9:40:06 AM



#12
1,1-Dichloroethene
Concen: 5.24 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	120.3	180.5
98	61.8	50.8	76.2





#13

Acrolein

Concen: 32.39 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 20736

Ion Ratio Lower Upper

56 100

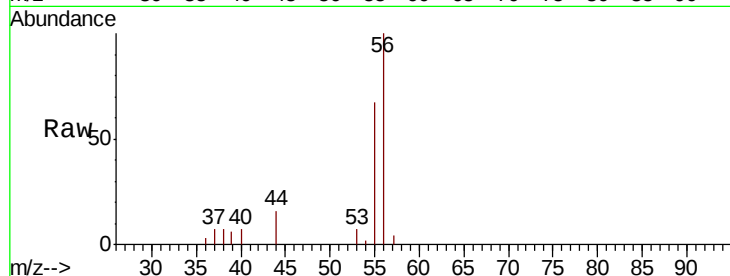
55 70.2 58.0 87.0

Manual Integrations

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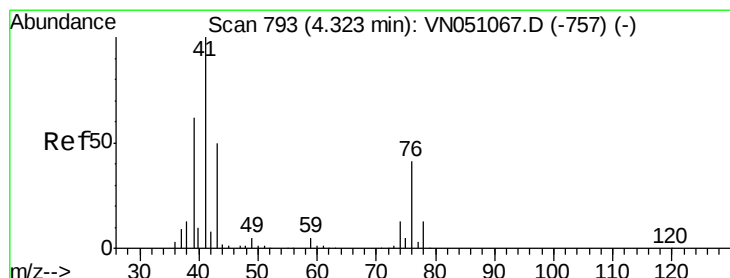
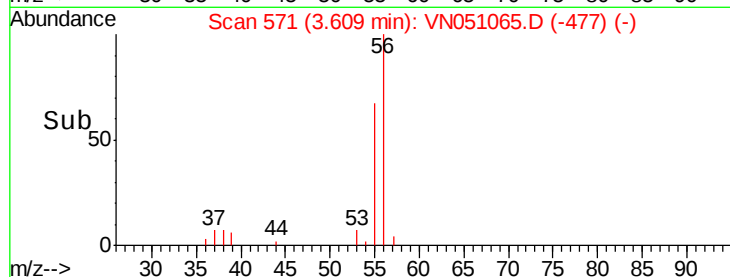
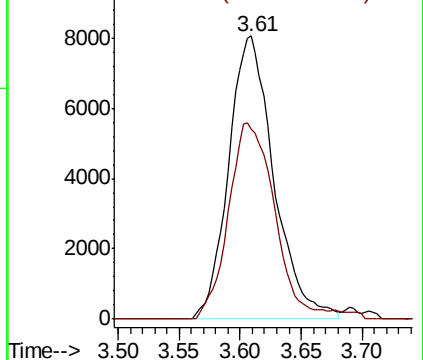
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.10 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

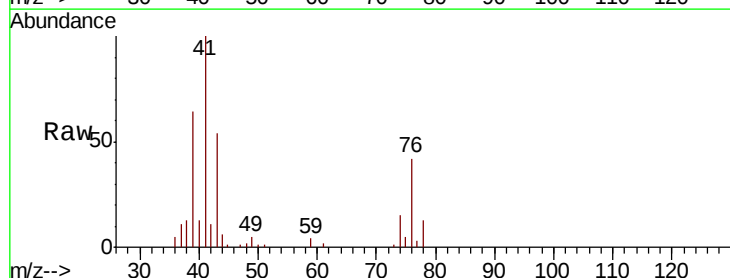
Tgt Ion: 41 Resp: 54692

Ion Ratio Lower Upper

41 100

39 61.4 48.8 73.2

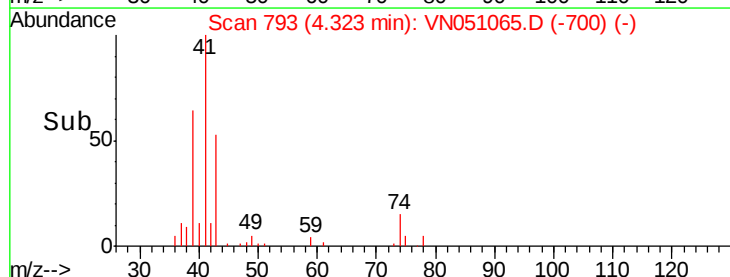
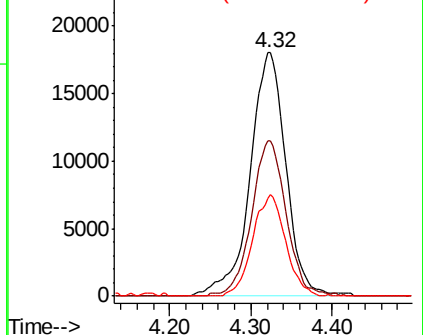
76 38.4 30.6 45.8

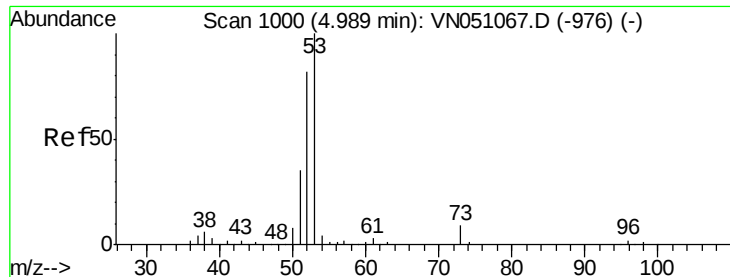


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 25.21 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

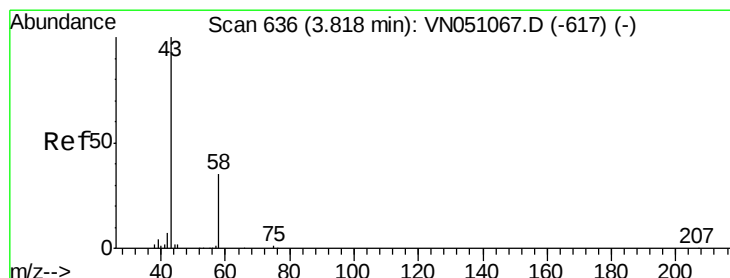
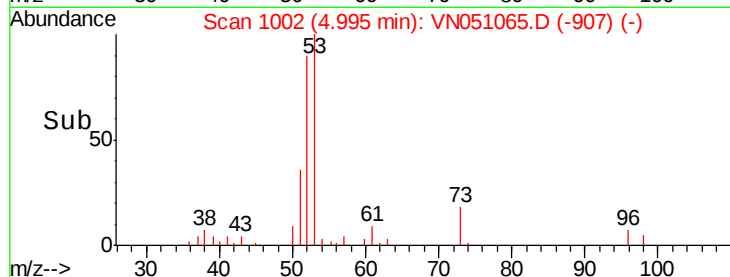
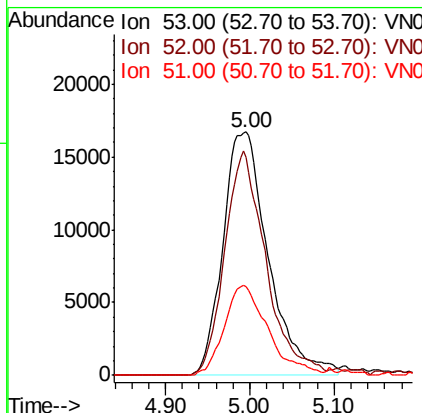
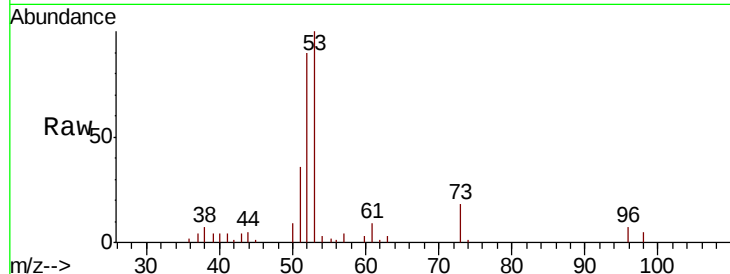
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	62706
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.3	97.9
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 30.26 ug/l

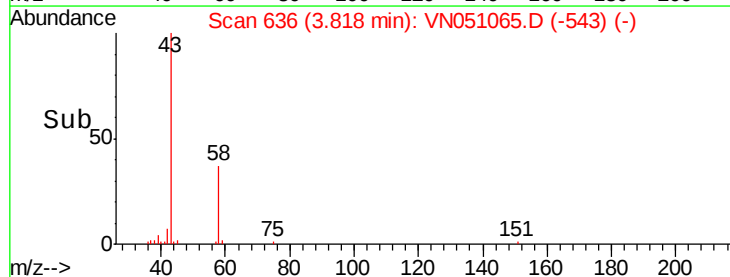
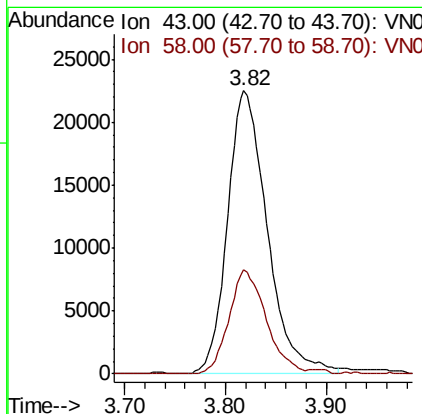
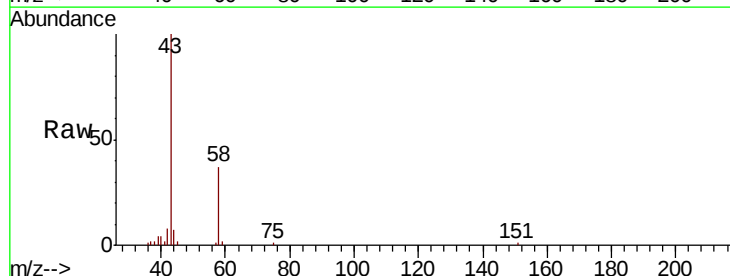
RT: 3.82 min Scan# 636

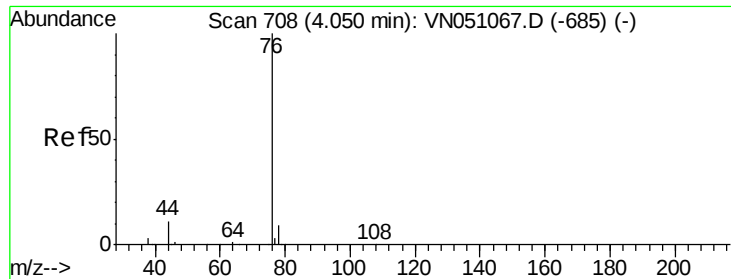
Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	43	Resp:	61766
Ion	Ratio	Lower	Upper
43	100		
58	36.6	27.8	41.6





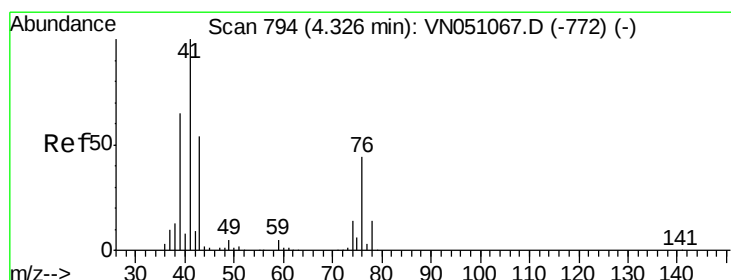
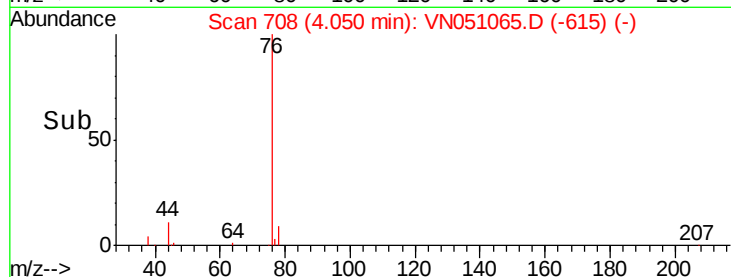
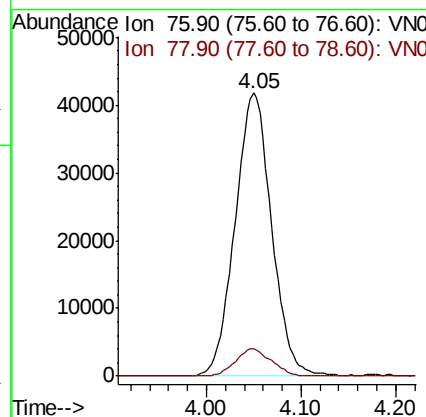
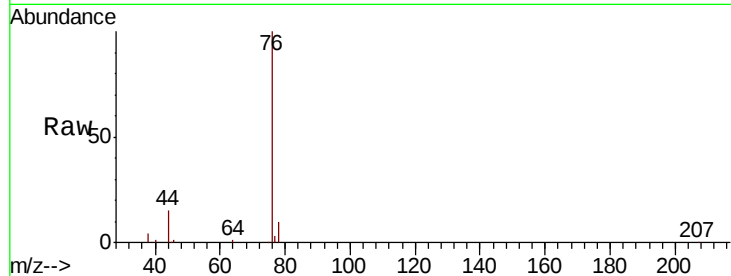
#17
Carbon Disulfide
Concen: 4.83 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 111896
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6

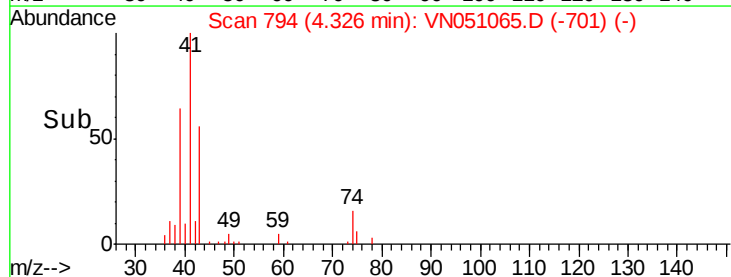
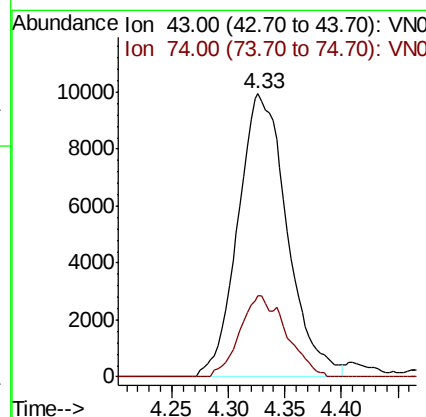
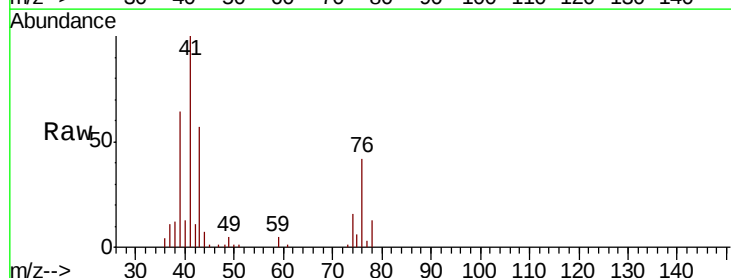
Manual Integrations
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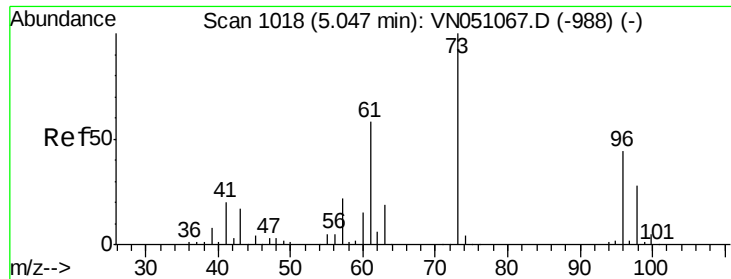
MMDadoda
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#18
Methyl Acetate
Concen: 5.12 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion: 43 Resp: 30102
Ion Ratio Lower Upper
43 100
74 27.1 20.7 31.1





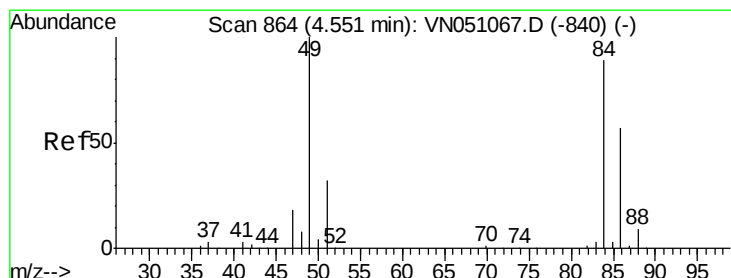
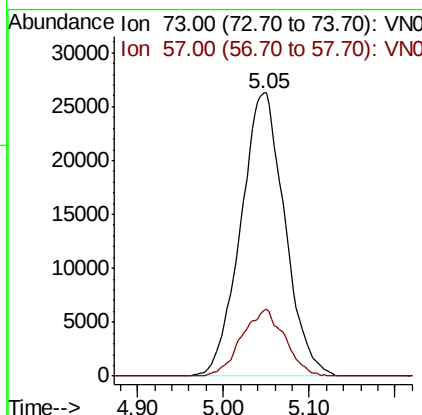
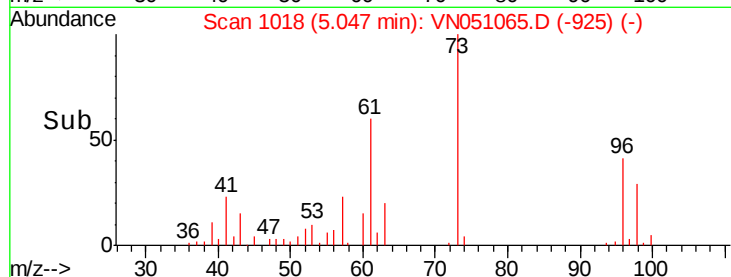
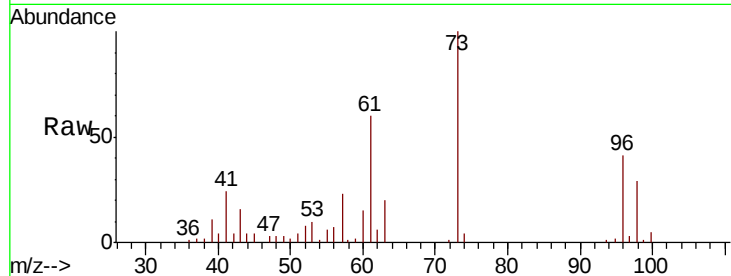
#19
Methvl tert-butvl Ether
Concen: 5.53 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 93573
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

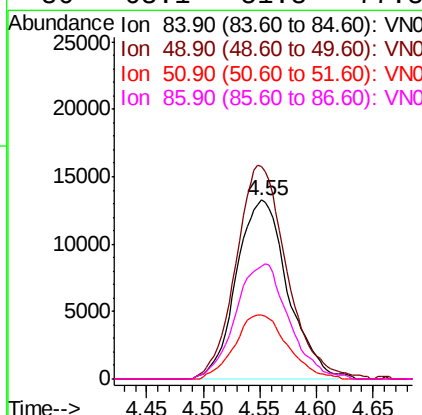
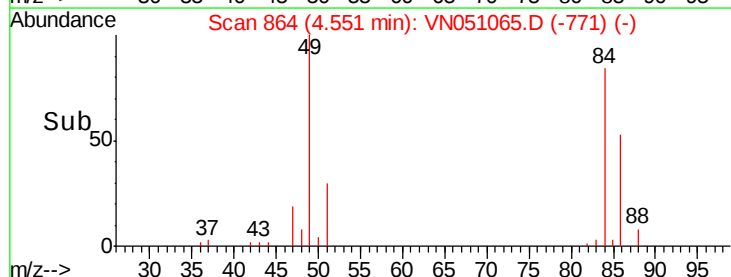
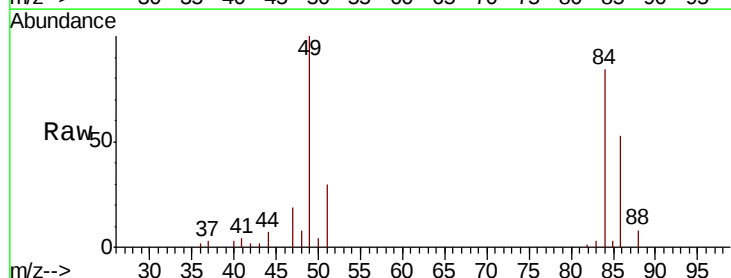
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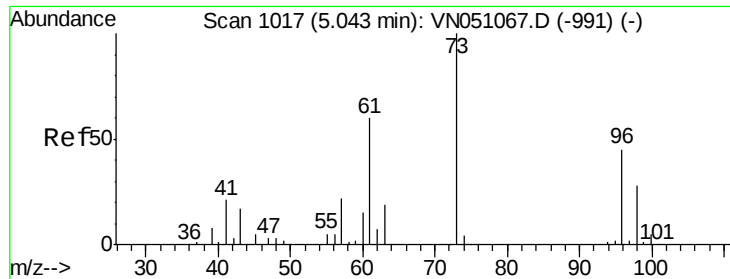
MMDadoda
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#20
Methylene Chloride
Concen: 5.15 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion: 84 Resp: 41813
Ion Ratio Lower Upper
84 100
49 118.8 90.2 135.2
51 36.0 28.4 42.6
86 63.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 5.03 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 38390

Ion Ratio Lower Upper

96 100

61 125.7 106.5 159.7

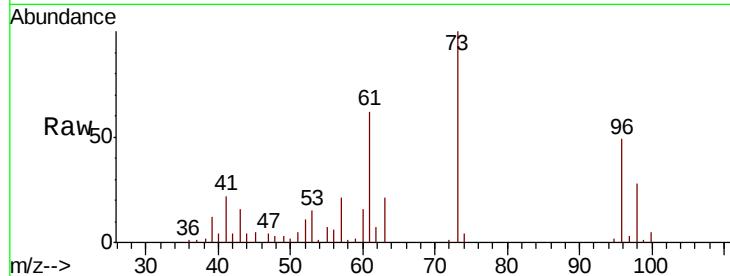
98 57.2 50.4 75.6

Manual Integrations

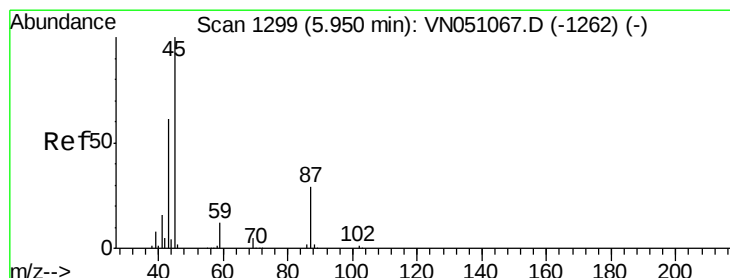
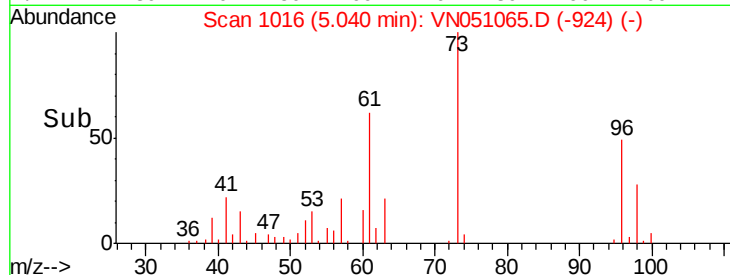
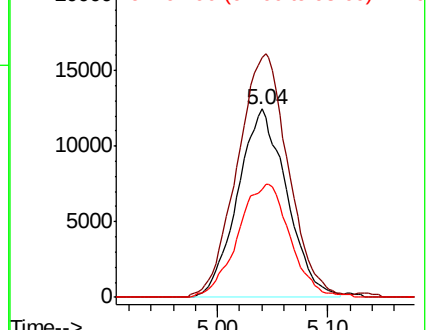
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 5.07 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion: 45 Resp: 107991

Ion Ratio Lower Upper

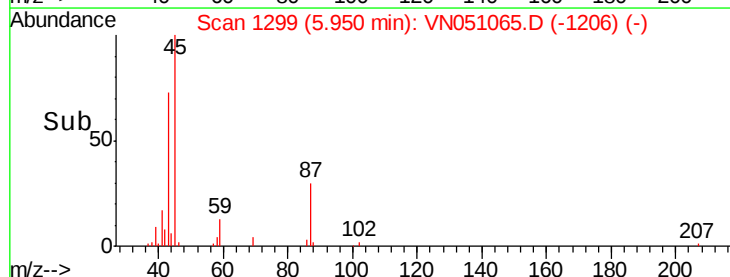
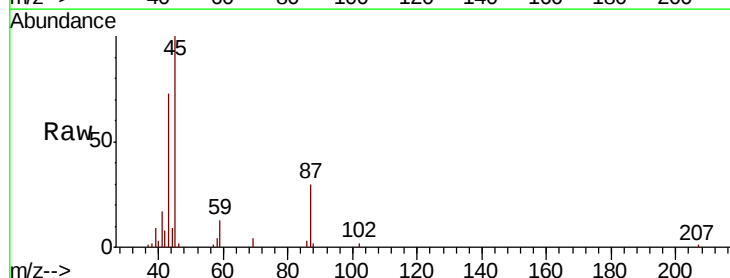
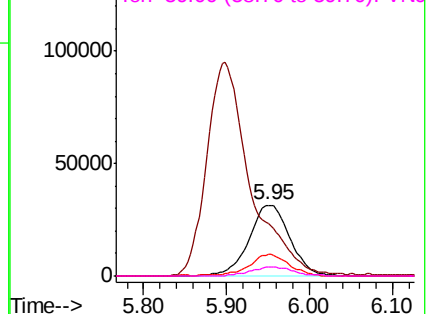
45 100

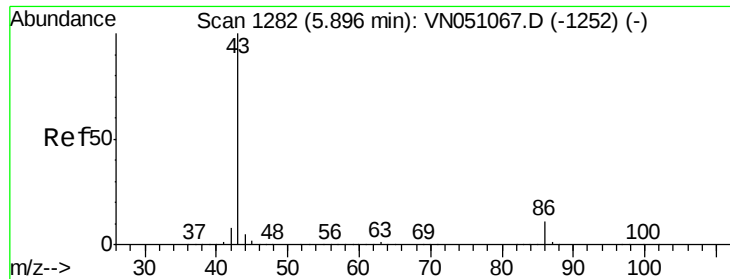
43 70.1 48.8 73.2

87 30.3 23.8 35.8

59 13.0 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 24.28 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 349957

Ion Ratio Lower Upper

43 100

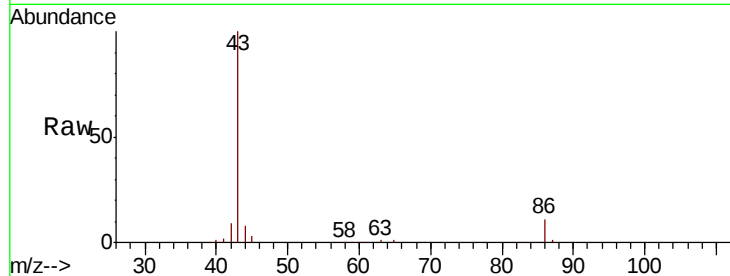
86 11.4 9.2 13.8

Manual Integrations

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9/11/2018 9:40:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN051067.D (-1252) (-)

5.90

100000

80000

60000

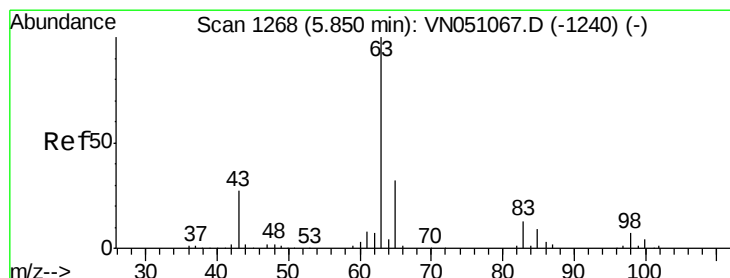
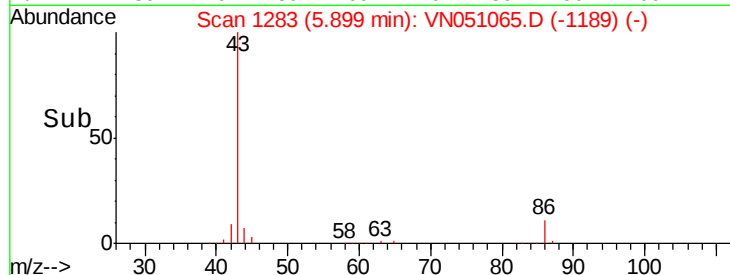
40000

20000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 5.43 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

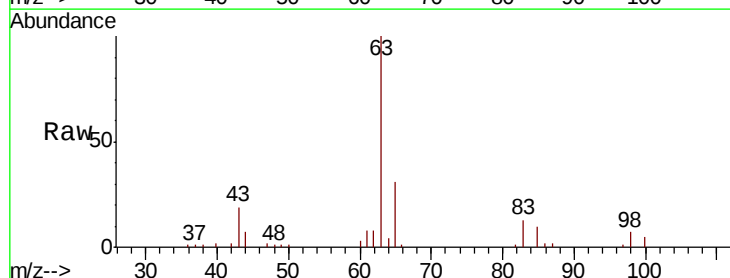
Tgt Ion: 63 Resp: 73382

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN051067.D (-1240) (-)

5.85

30000

25000

20000

15000

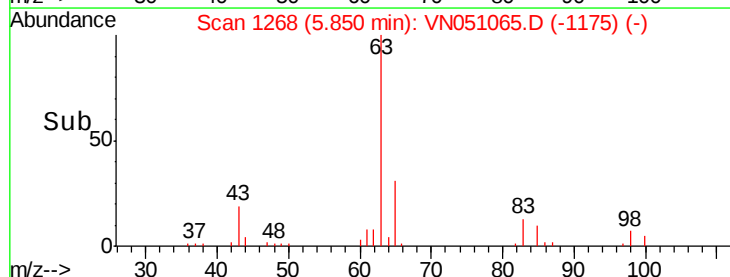
10000

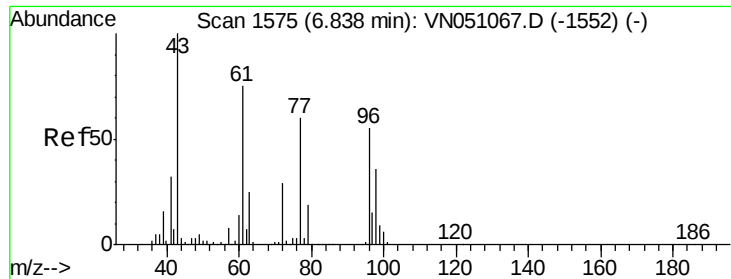
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 27.26 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 78740

Ion Ratio Lower Upper

43 100

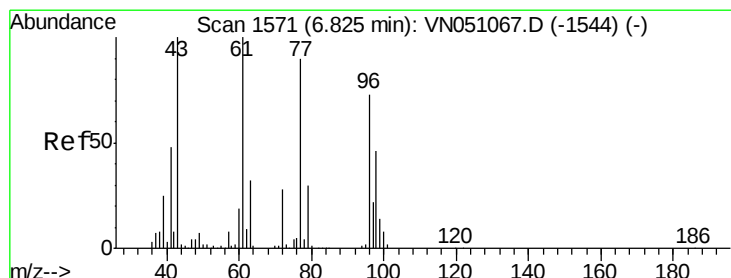
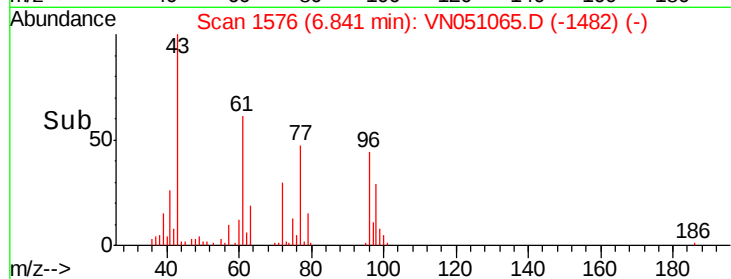
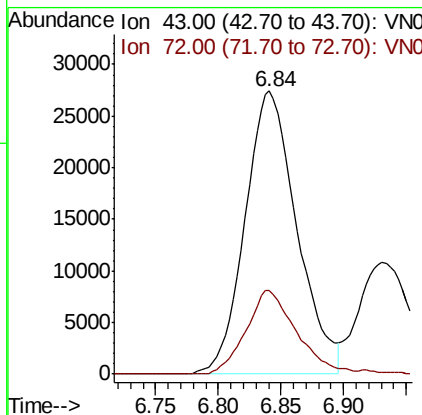
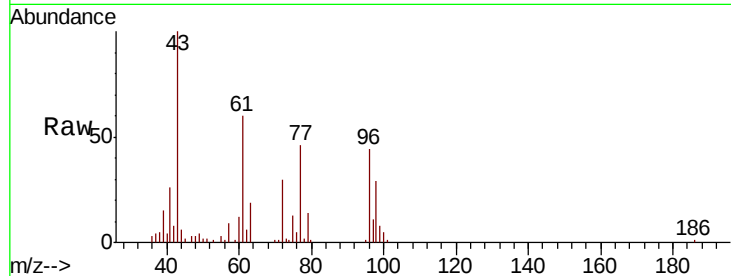
72 29.7 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.27 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051065.D

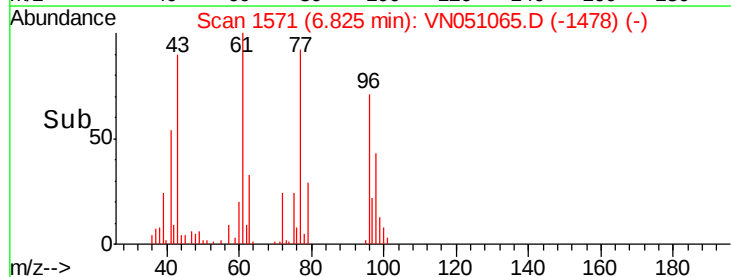
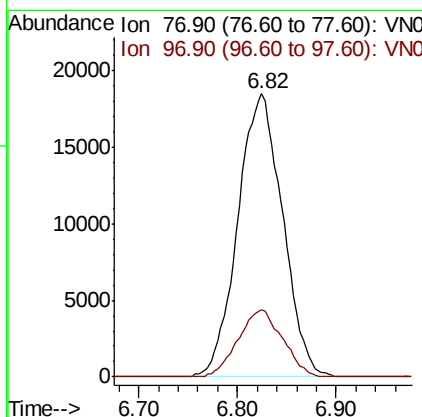
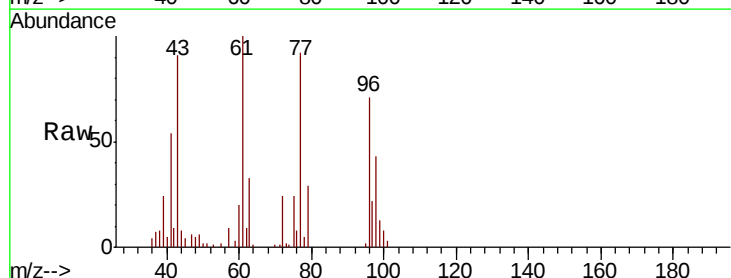
Acq: 10 Sep 2018 8:34

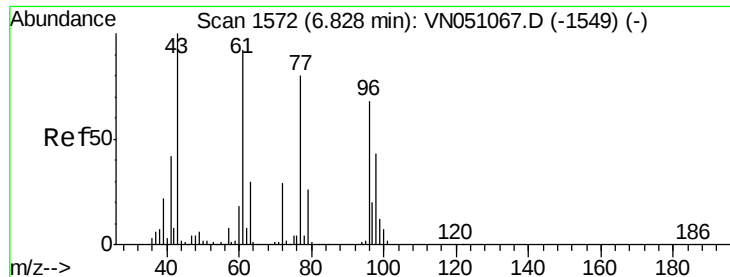
Tgt Ion: 77 Resp: 58263

Ion Ratio Lower Upper

77 100

97 23.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 5.16 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

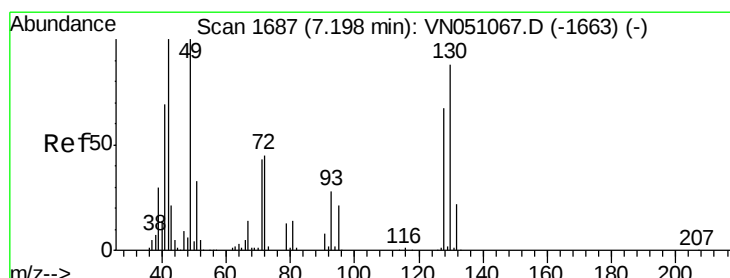
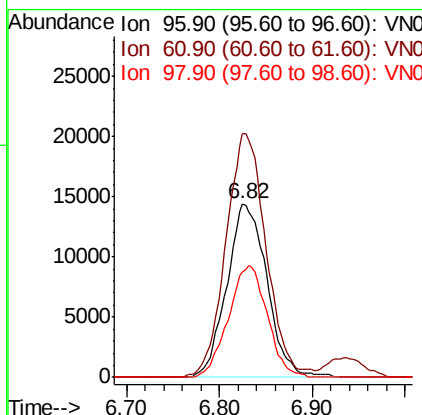
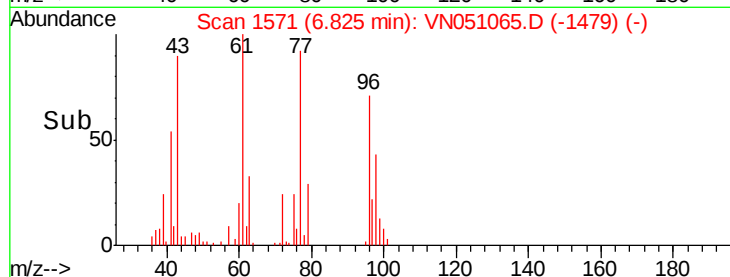
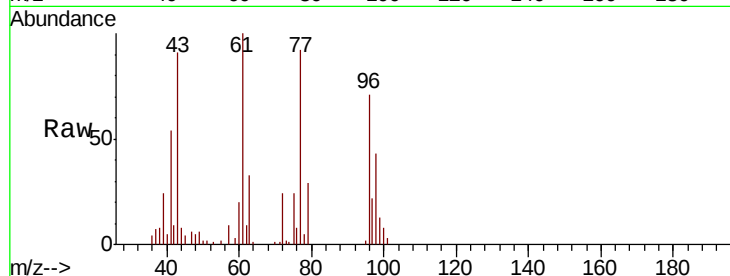
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	43260
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	278.2
98	62.1	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 5.21 ug/l

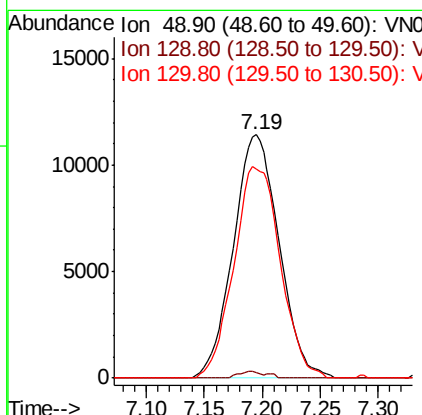
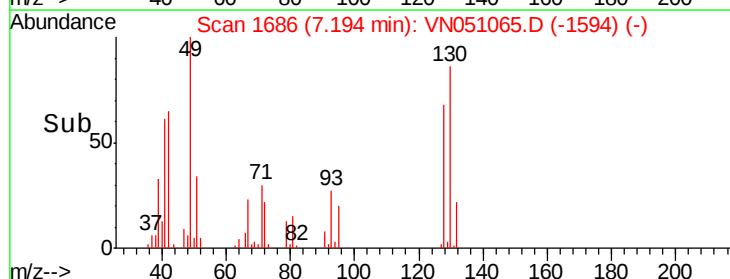
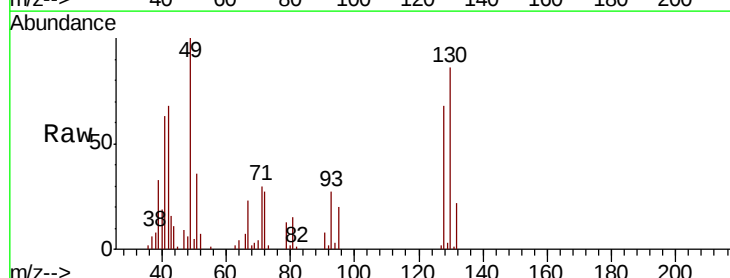
RT: 7.19 min Scan# 1686

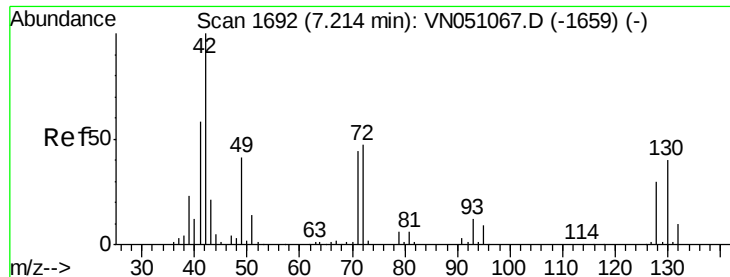
Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	49	Resp:	31339
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	88.1	70.7	106.1





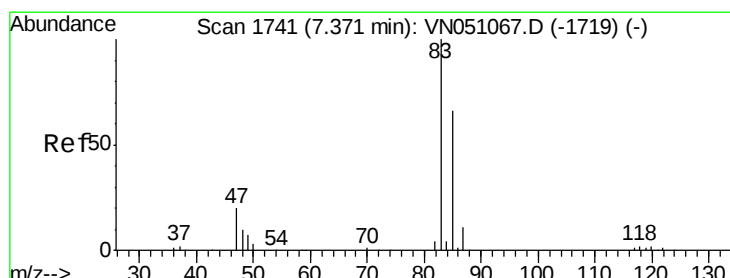
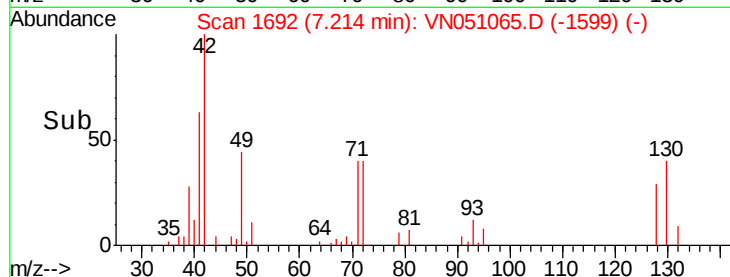
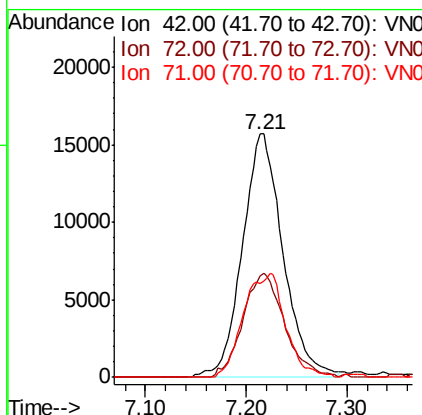
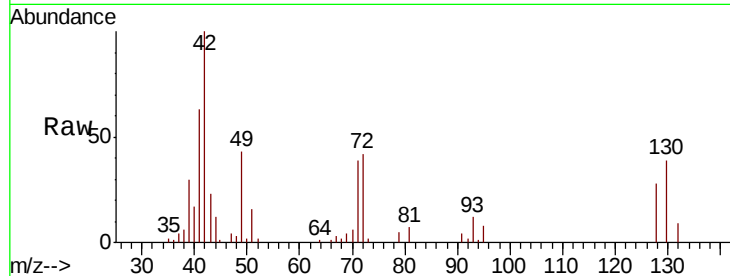
#29
Tetrahydrofuran
Concen: 24.31 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	37.4	56.0
71	44.2	34.7	52.1

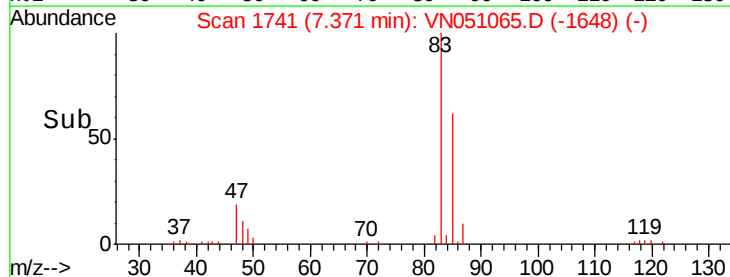
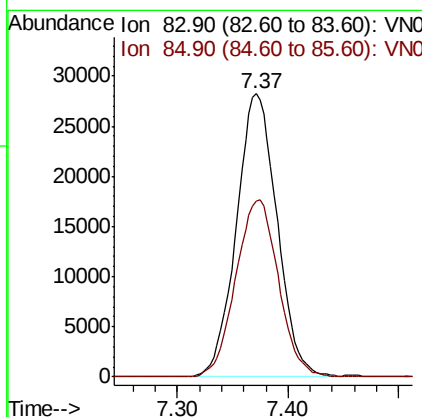
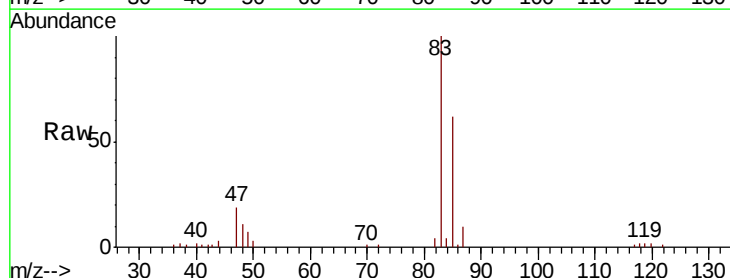
Manual Integrations
APPROVED

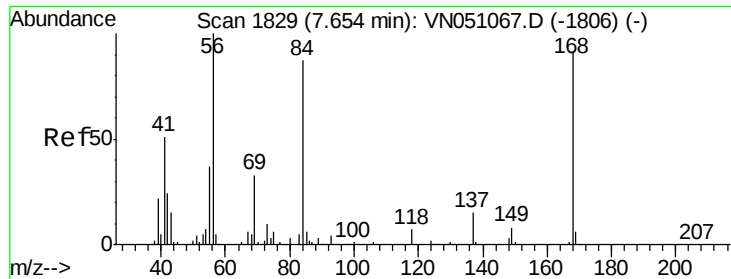
MMDadoda
9/11/2018 9:40:06 AM



#30
Chloroform
Concen: 5.37 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	79.0





#31

Cyclohexane

Concen: 4.81 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

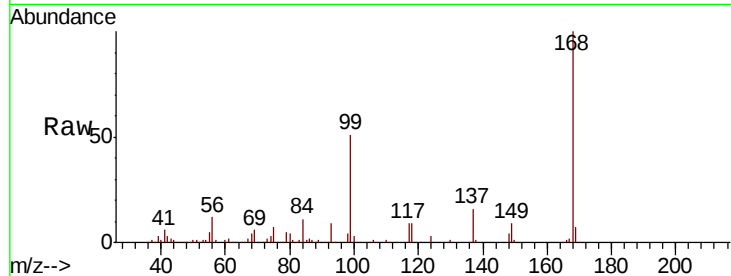
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	55.7	26.3	39.5#
84	98.7	69.4	104.0

Manual Integrations
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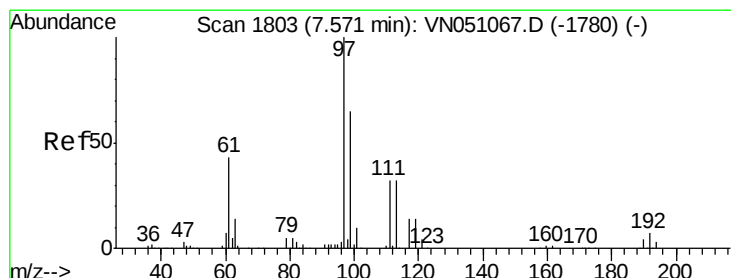
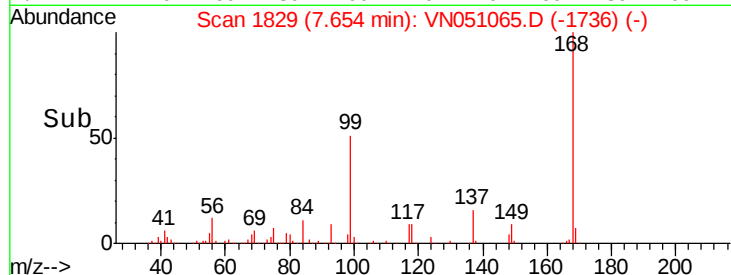
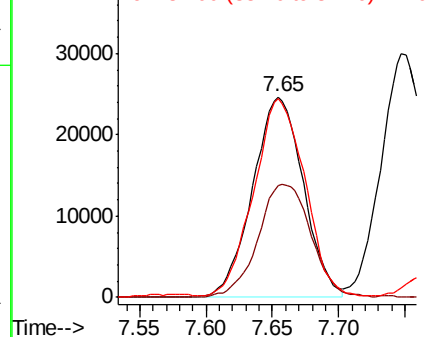


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 5.30 ug/l

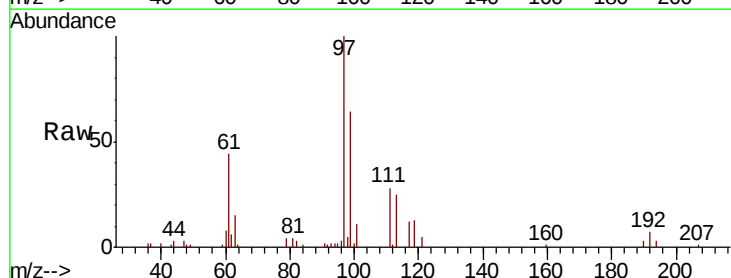
RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.6	77.4
61	43.1	33.8	50.6

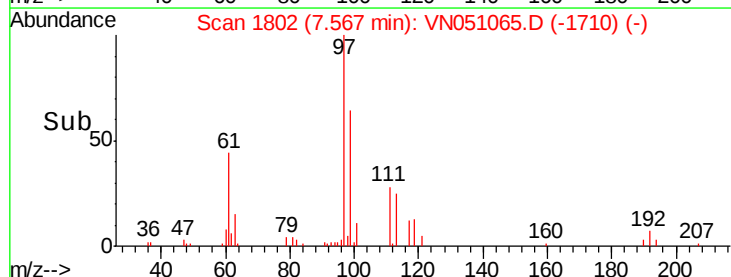
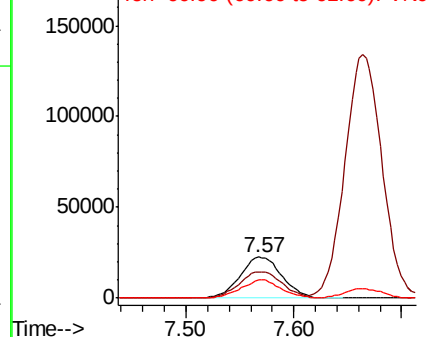


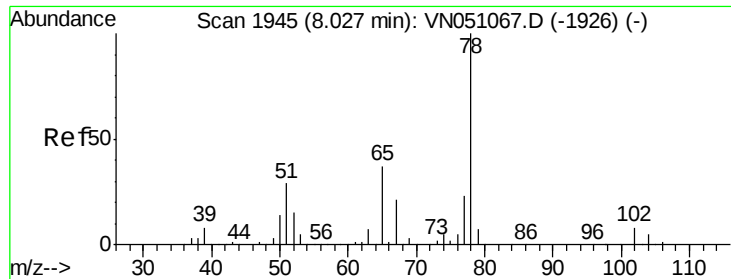
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





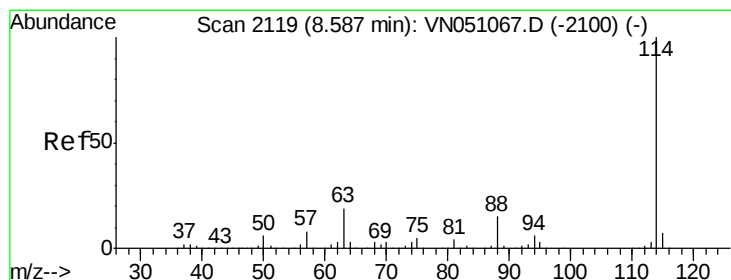
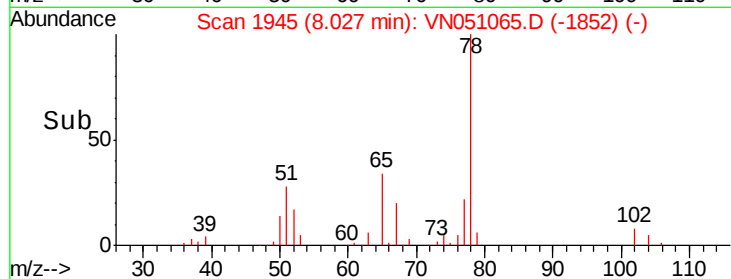
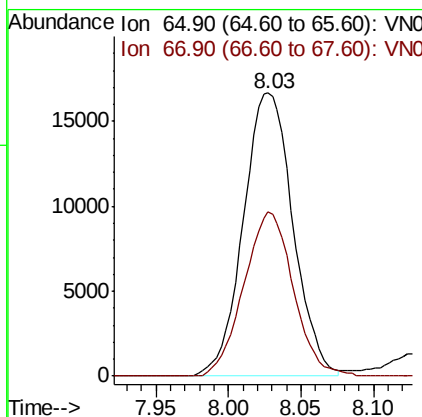
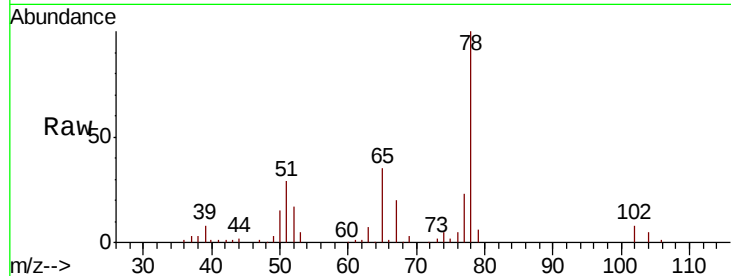
#33
 1,2-Dichloroethane-d4
 Concen: 5.39 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	57.8	0.0	112.0	

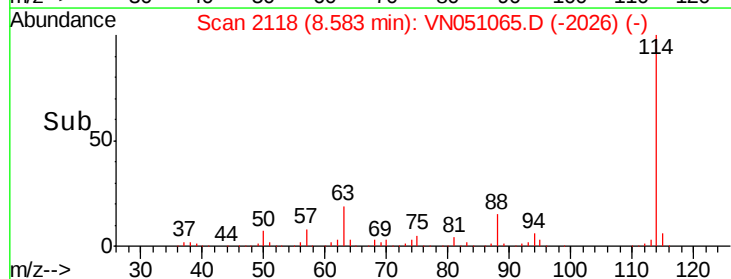
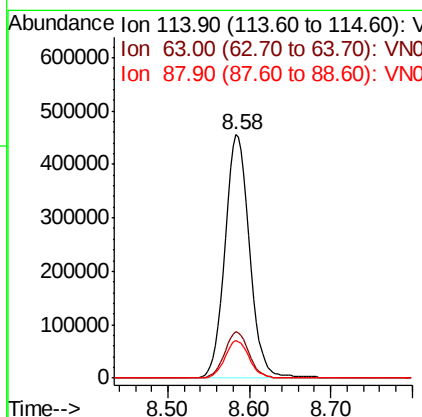
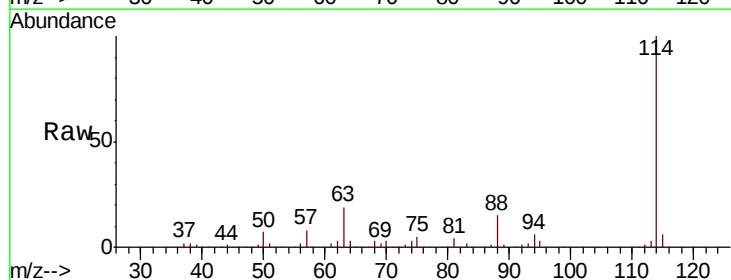
Manual Integrations
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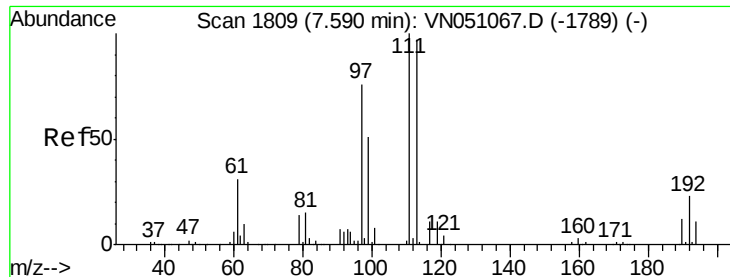
MMDadoda
 9/11/2018 9:40:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	37.8	
88	15.2	0.0	30.8	





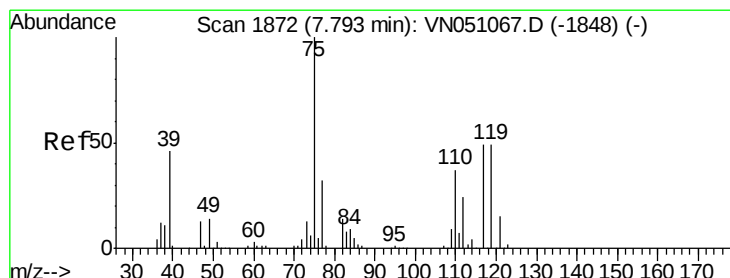
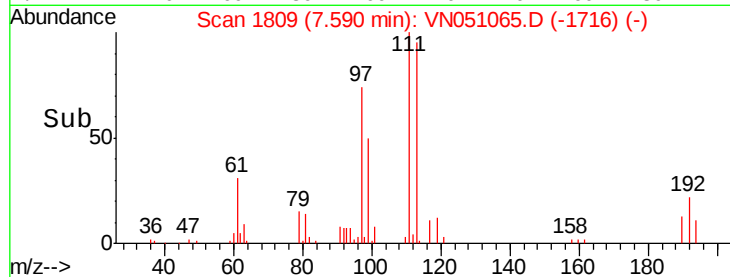
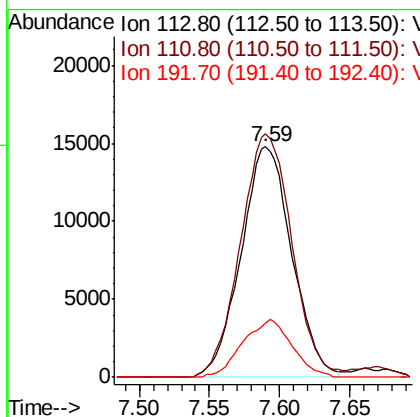
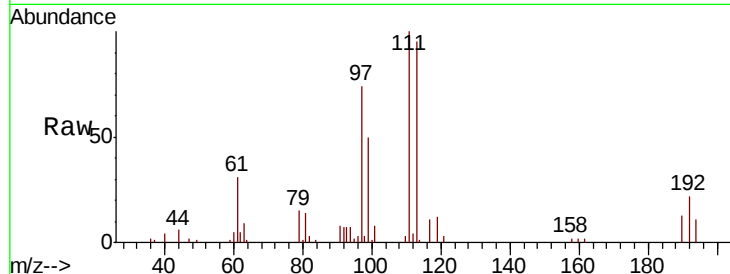
#35
 Dibromofluoromethane
 Concen: 5.09 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	107.2	83.0	124.6	
192	24.3	18.7	28.1	

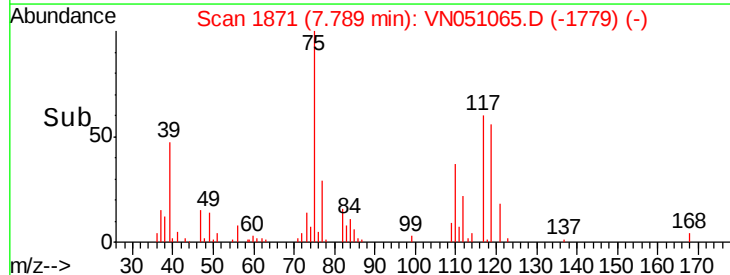
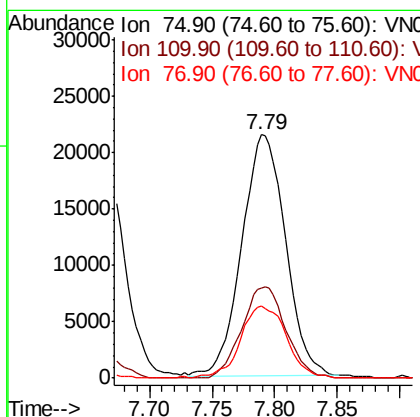
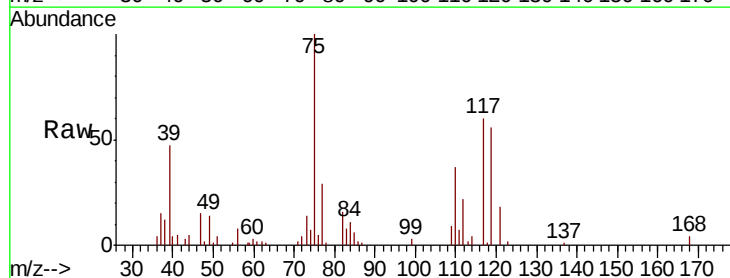
Manual Integrations
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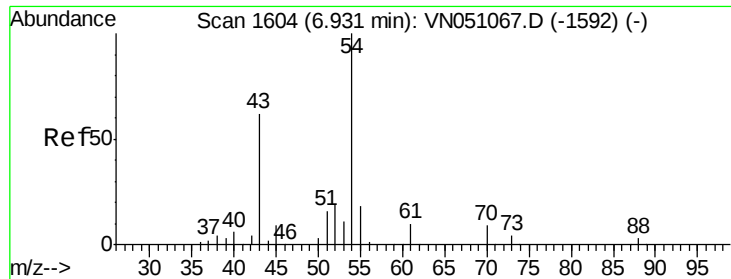
MMDadoda
 9/11/2018 9:40:06 AM



#36
 1,1-Dichloropropene
 Concen: 4.89 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.8	18.6	55.8	
77	31.0	25.2	37.8	





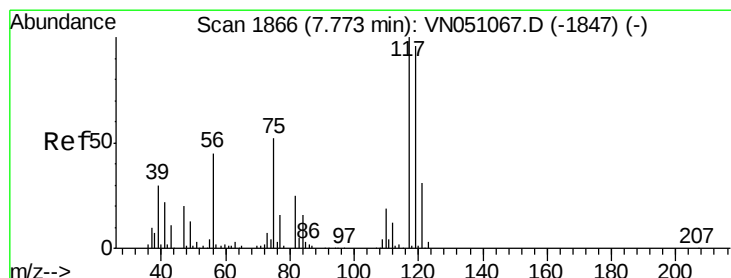
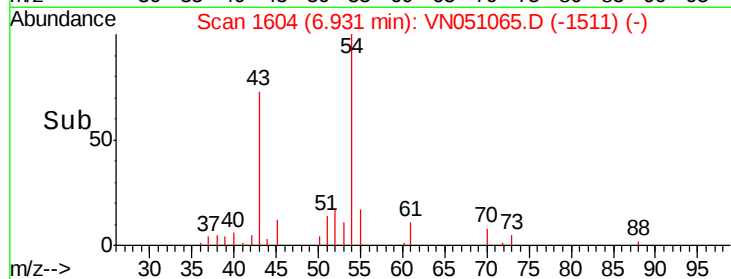
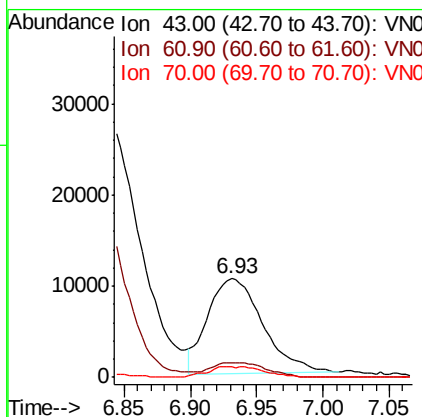
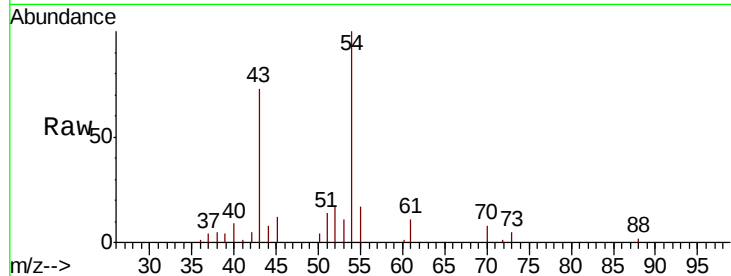
#37
Ethyl Acetate
Concen: 4.91 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.4	18.6
70	5.7	9.3	13.9

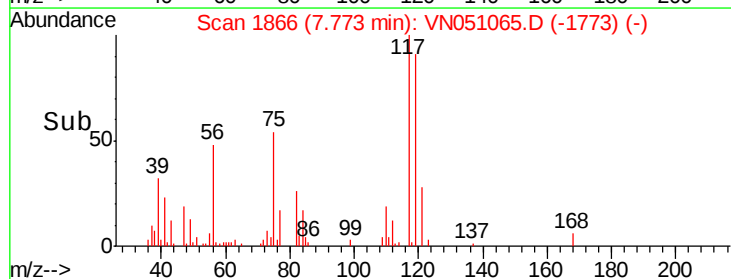
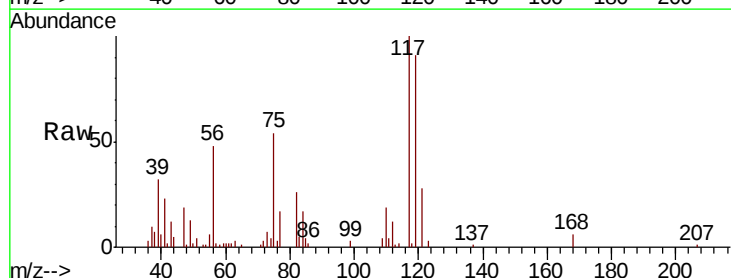
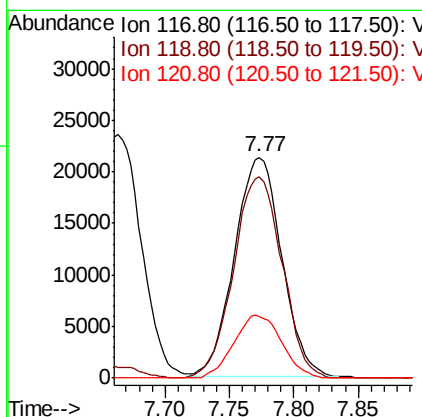
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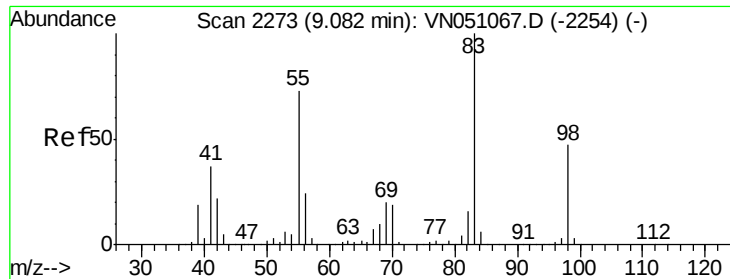
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.8	115.2
121	28.3	24.6	36.8





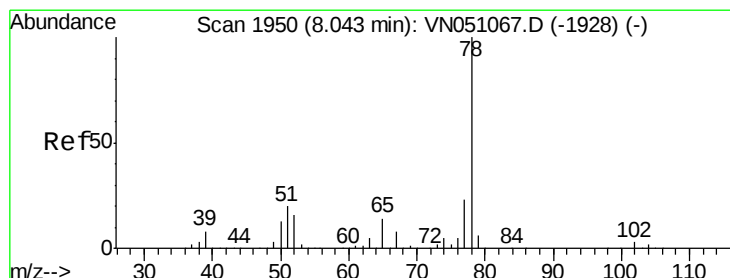
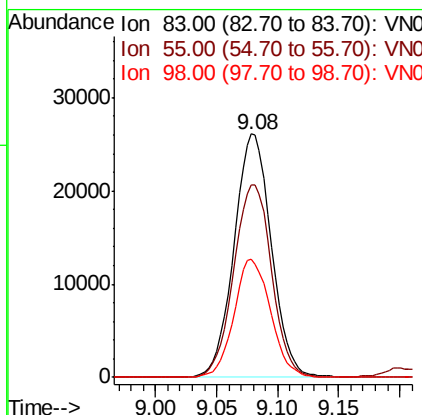
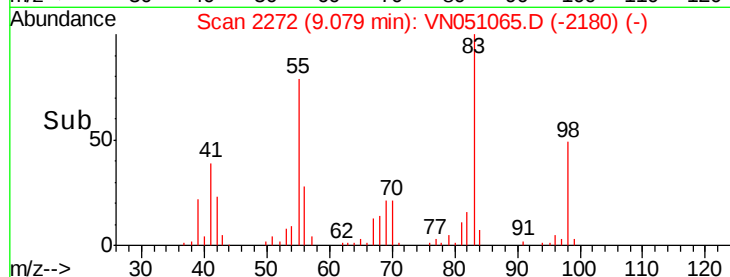
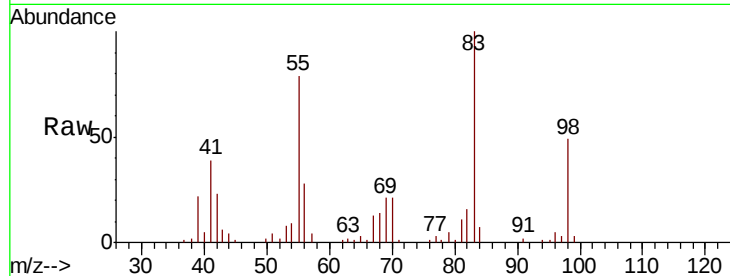
#39
Methvlcvclohexane
Concen: 4.69 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp	55264
Ion	Ratio	Lower	Upper
83	100		
55	78.8	58.4	87.6
98	48.6	37.3	55.9

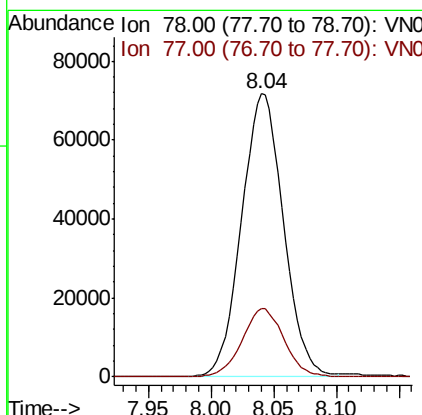
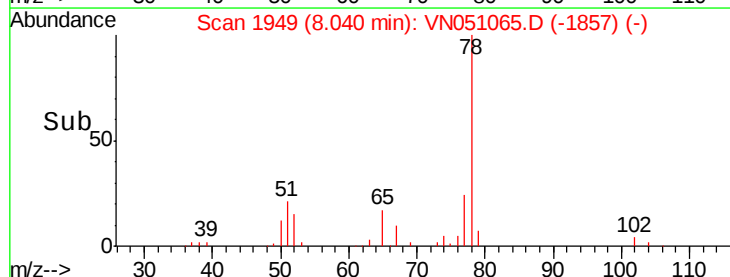
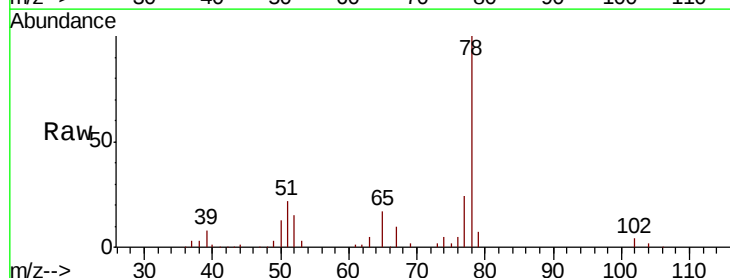
Manual Integrations
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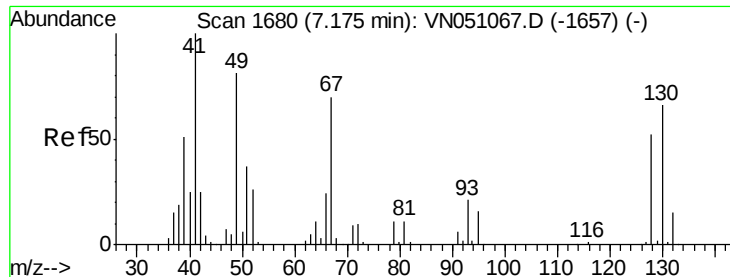
MMDadoda
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#40
Benzene
Concen: 5.19 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	78.00	Resp	167106
Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	27.8





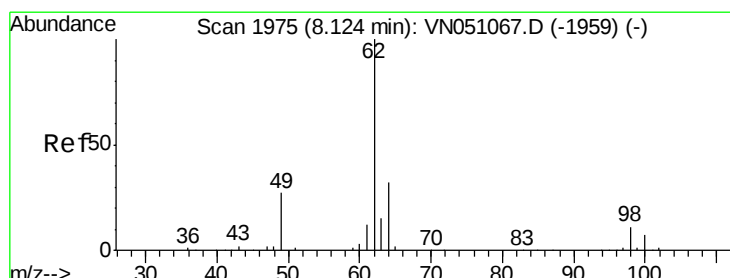
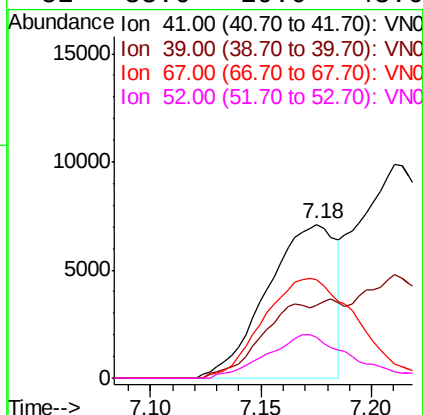
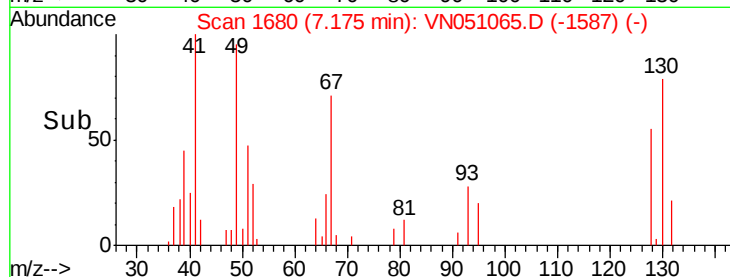
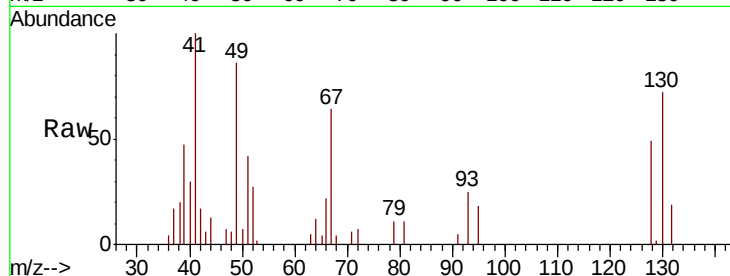
#41
Methacrylonitrile
Concen: 4.83 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	34.6	51.3	76.9#
67	89.3	78.5	117.7
52	33.6	29.0	43.6

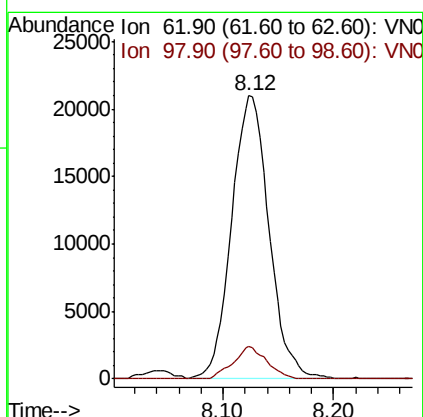
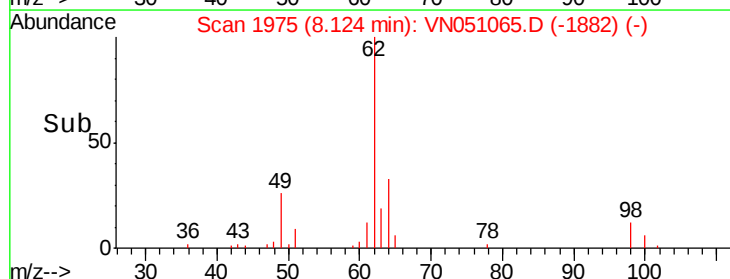
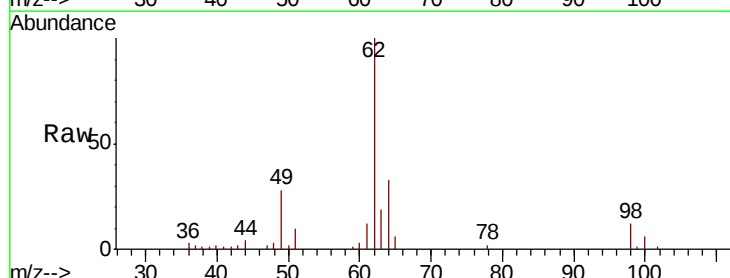
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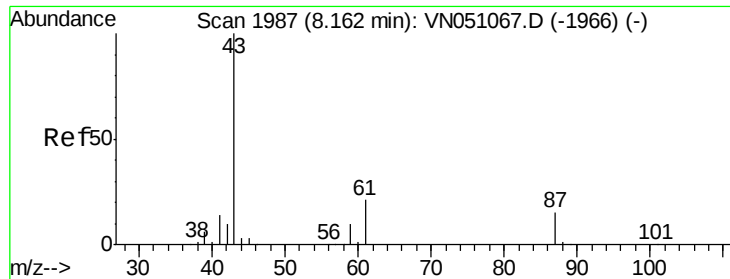
MMDadoda
9/11/2018 9:40:06 AM



#42
1,2-Dichloroethane
Concen: 5.27 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 5.01 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

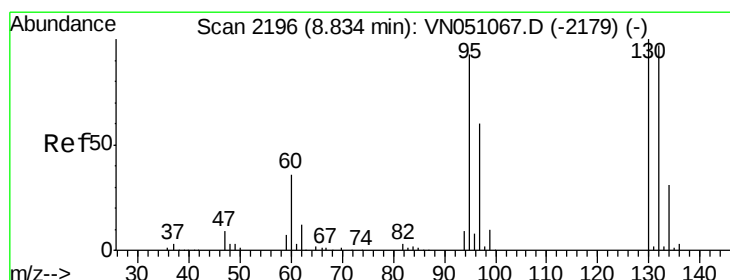
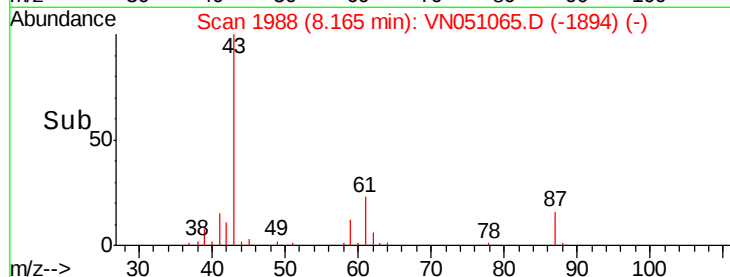
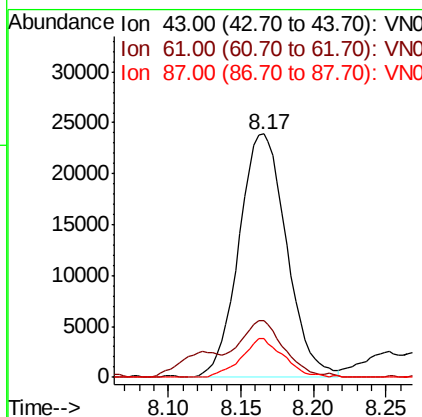
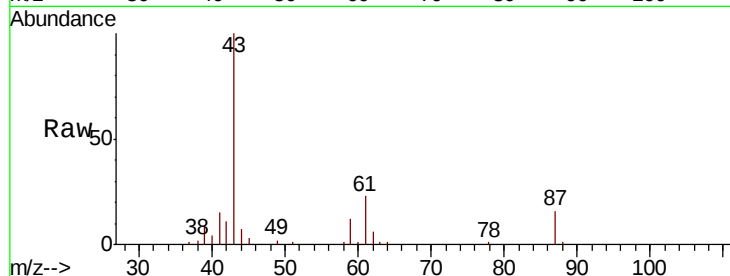
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	54707
Ion	Ratio	Lower	Upper
43	100		
61	21.6	25.0	37.6#
87	14.1	11.8	17.8

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#44

Trichloroethene

Concen: 4.99 ug/l

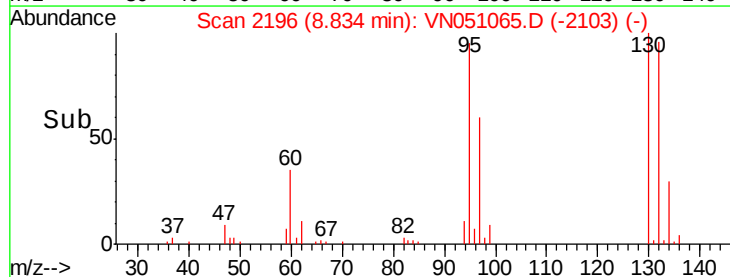
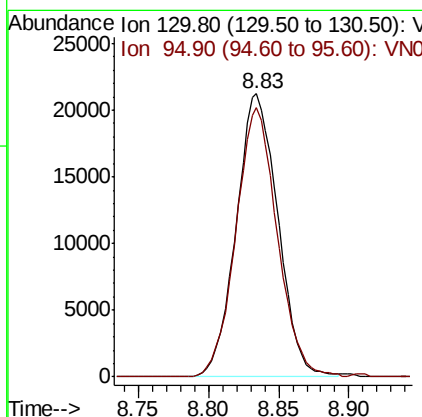
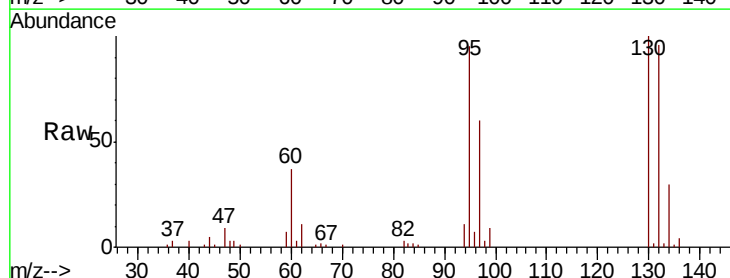
RT: 8.83 min Scan# 2196

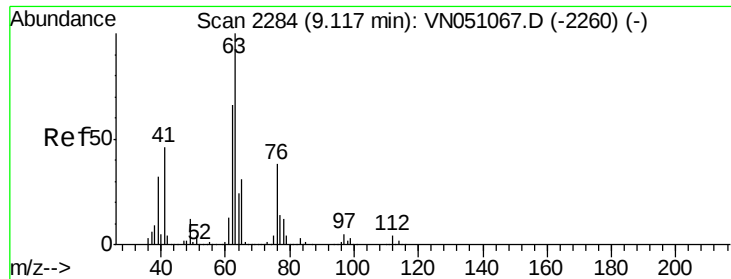
Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	130	Resp:	43922
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	186.2





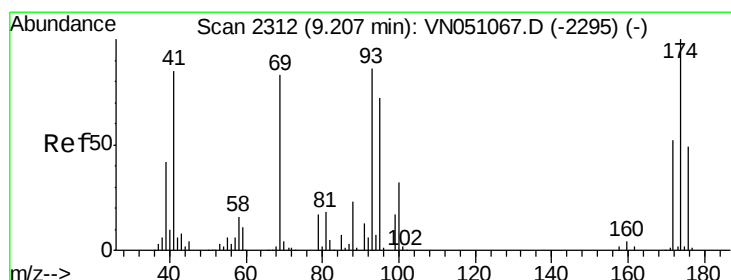
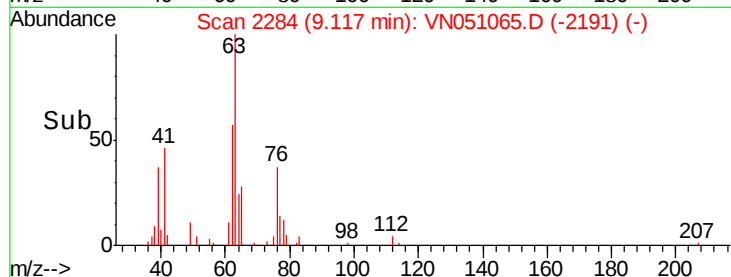
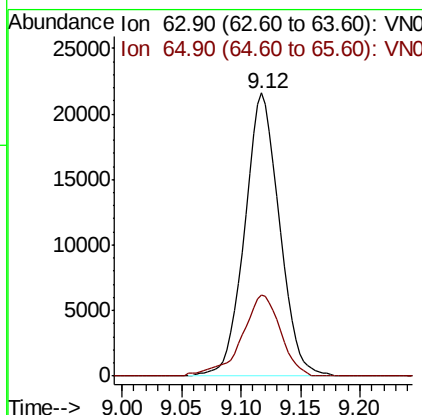
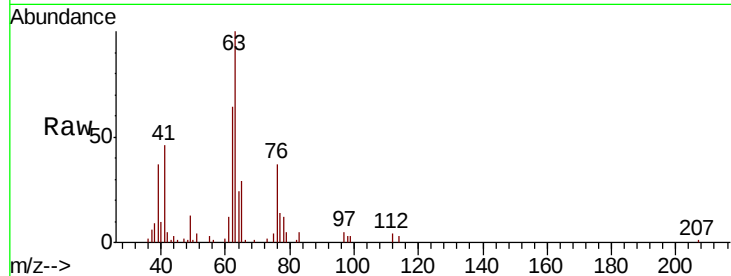
#45
 1,2-Dichloropropane
 Concen: 5.27 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 43785
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.7 37.1

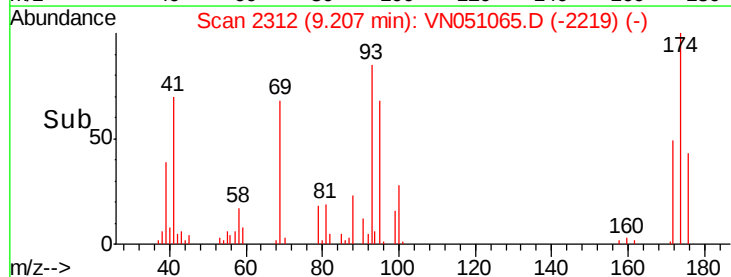
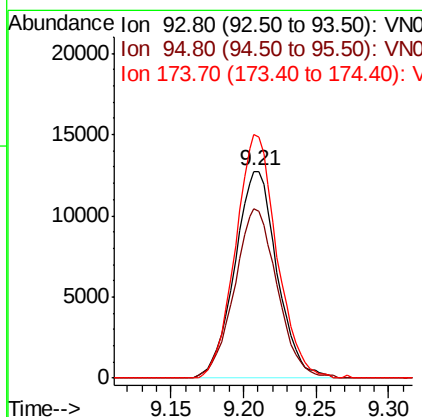
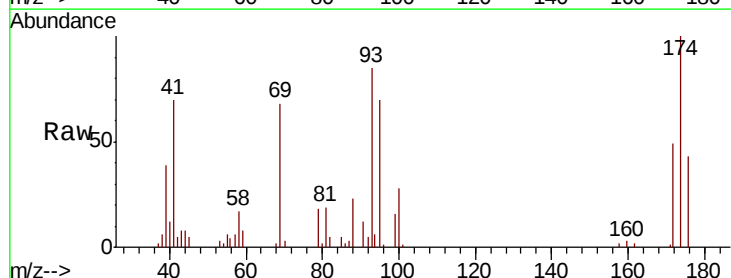
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#46
 Dibromomethane
 Concen: 5.10 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion: 93 Resp: 25870
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.8 100.2
 174 114.8 93.3 139.9





#47

Bromodichloromethane

Concen: 5.09 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

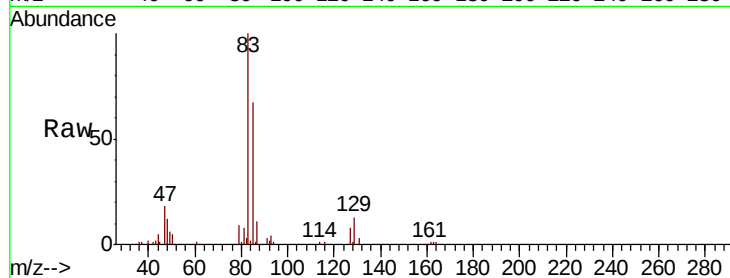
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	52504
Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.3	78.5
127	8.1	7.5	11.3

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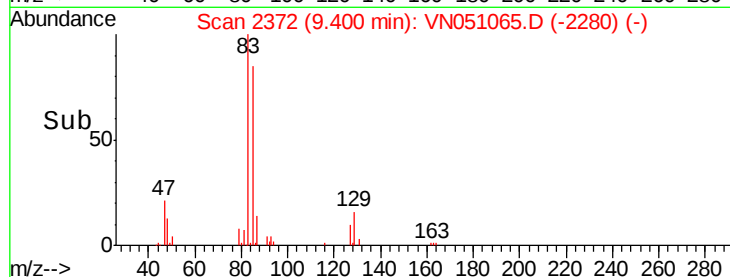


Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN051067.D (-2355) (-)

Time-->

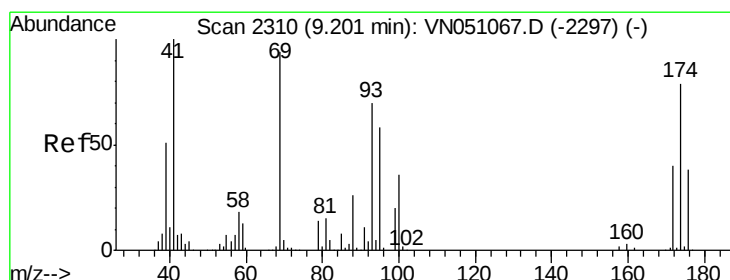


Abundance Ion 82.90 (82.60 to 83.60): VN051065.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051065.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051065.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.55 ug/l

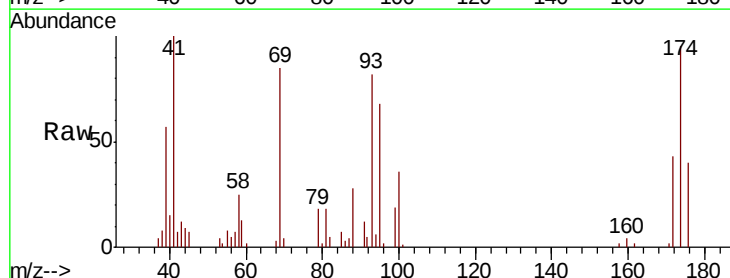
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	41	Resp:	24194
Ion	Ratio	Lower	Upper
41	100		
69	96.6	77.7	116.5
39	57.7	41.6	62.4

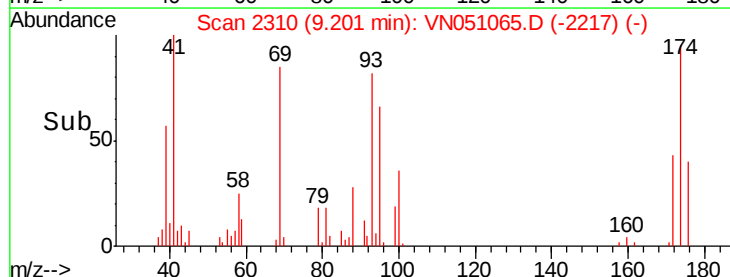


Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN051067.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN051067.D (-2297) (-)

Time-->

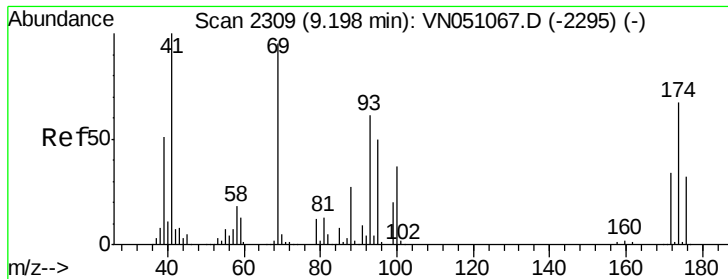


Abundance Ion 41.00 (40.70 to 41.70): VN051065.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051065.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051065.D (-2217) (-)

Time-->



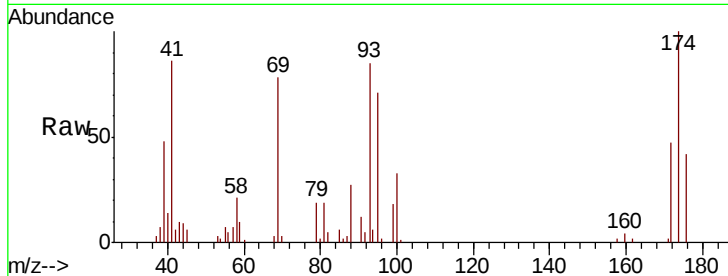
#49
1,4-Dioxane
Concen: 91.99 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	23.7	35.5#
58	78.5	54.6	82.0

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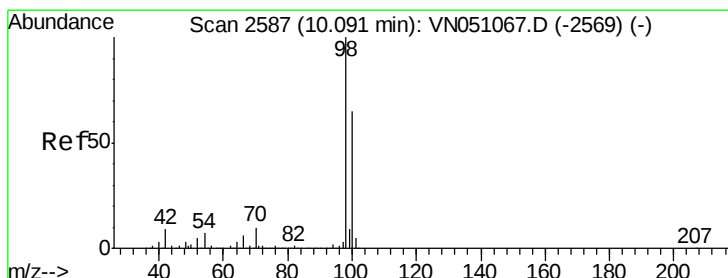
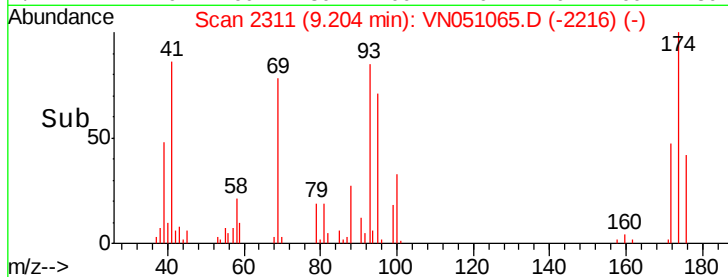
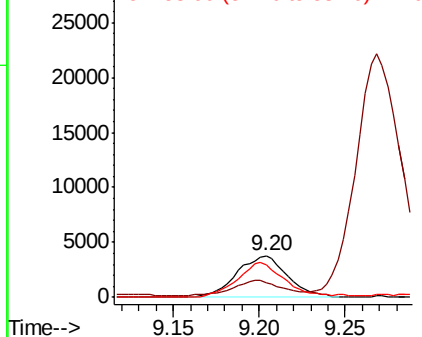


Abundance

Ion 88.00 (87.70 to 88.70): VN0

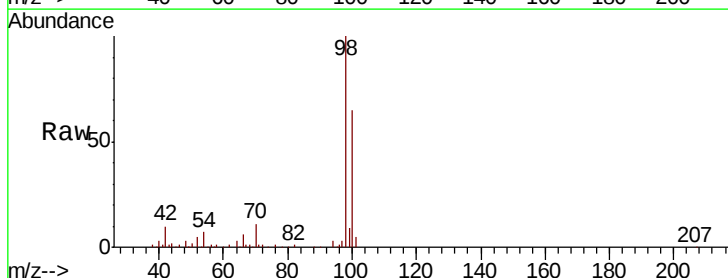
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 5.00 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

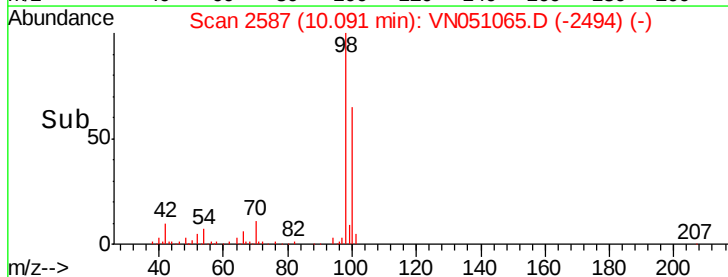
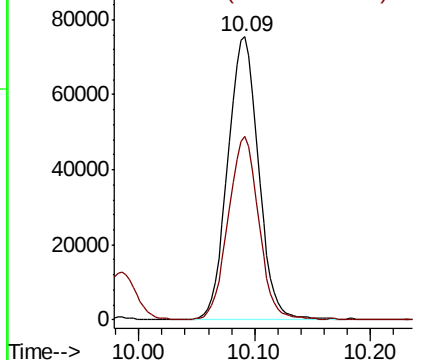
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

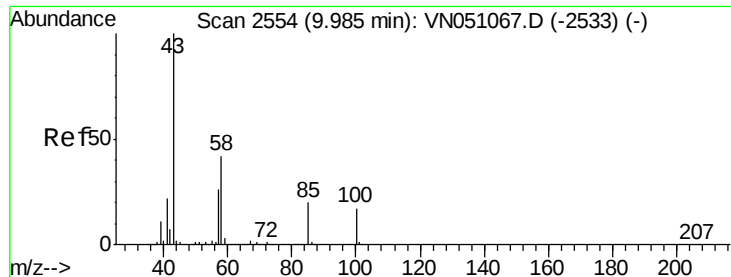


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





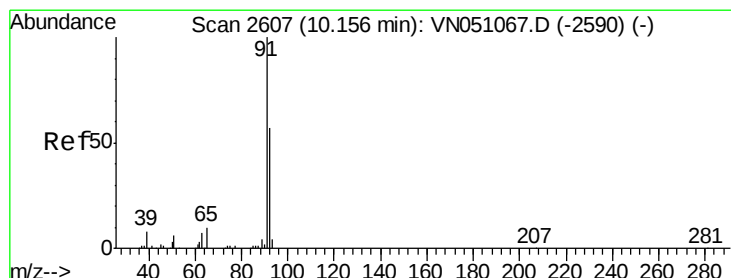
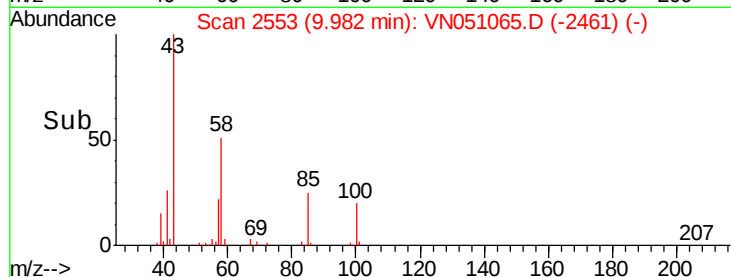
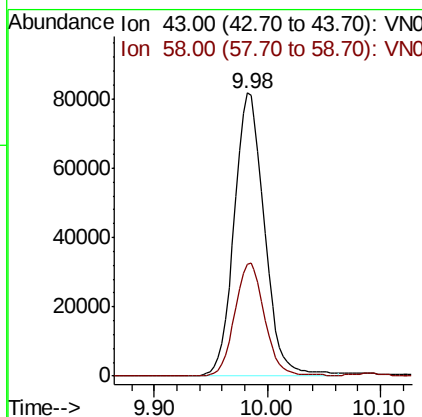
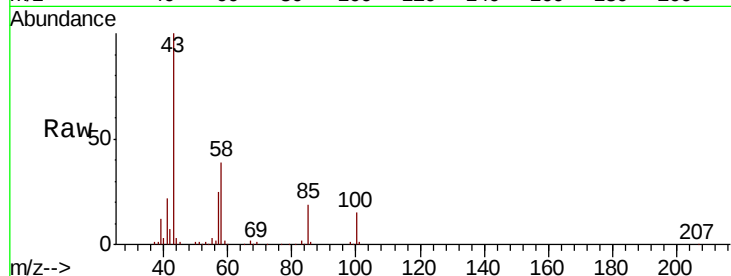
#51
4-Methyl-2-Pentanone
Concen: 25.29 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	33.5	50.3

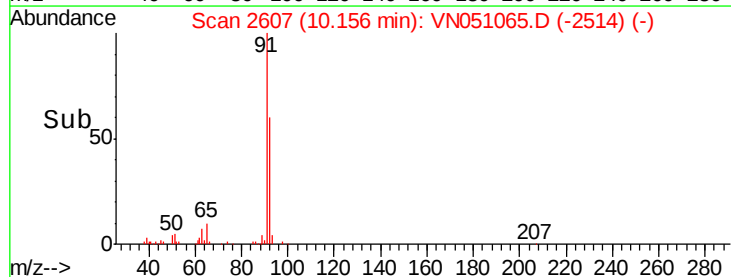
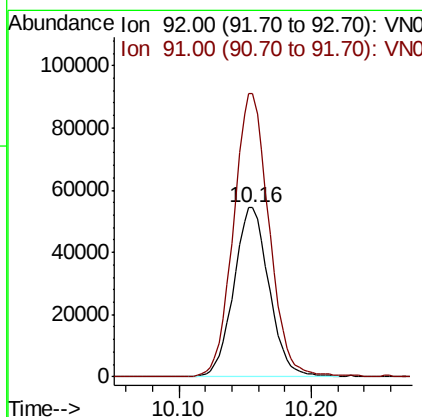
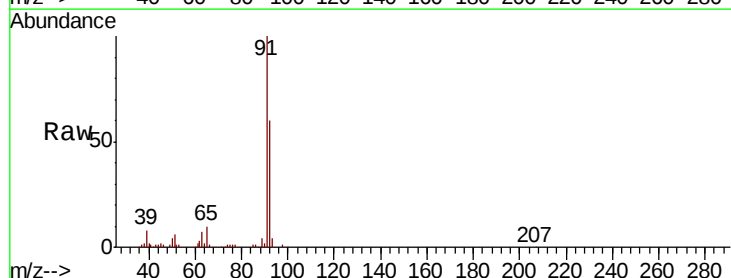
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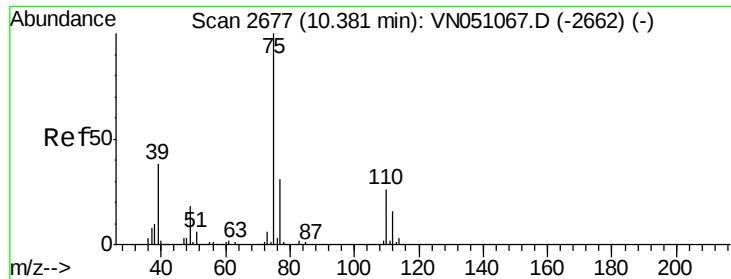
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#52
Toluene
Concen: 5.13 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.6	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 4.74 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 48927

Ion Ratio Lower Upper

75 100

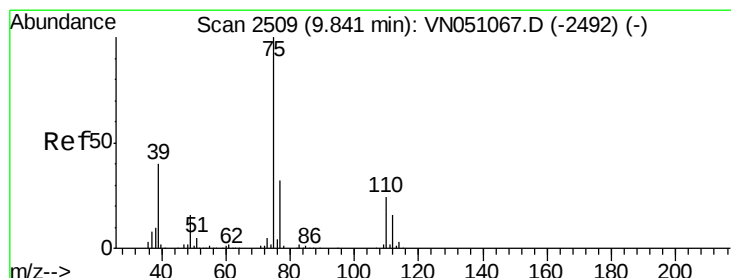
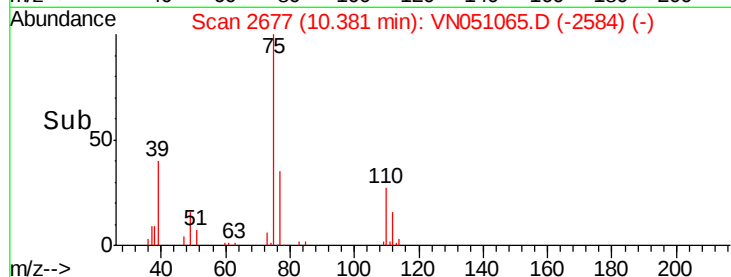
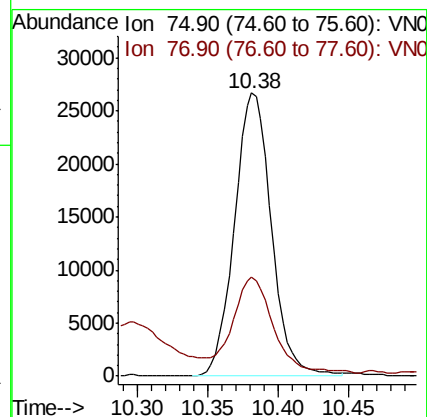
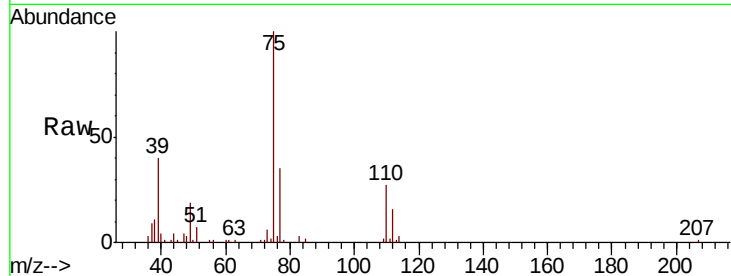
77 32.9 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 4.86 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

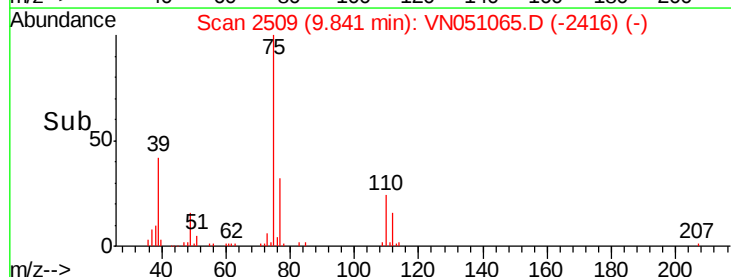
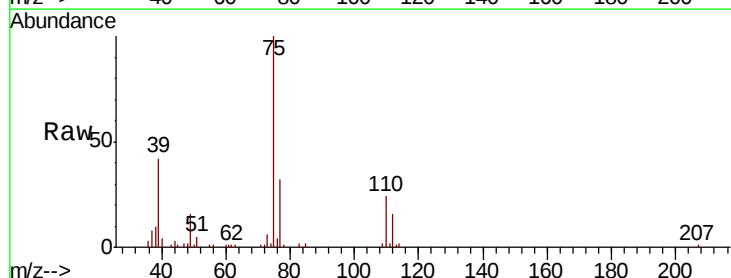
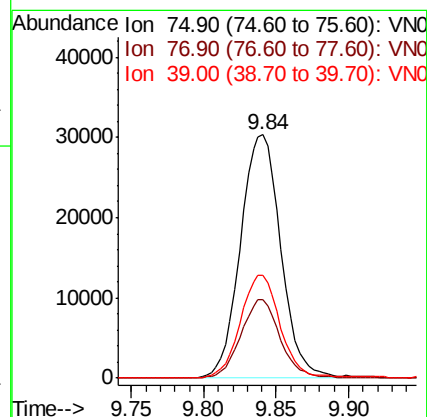
Tgt Ion: 75 Resp: 58767

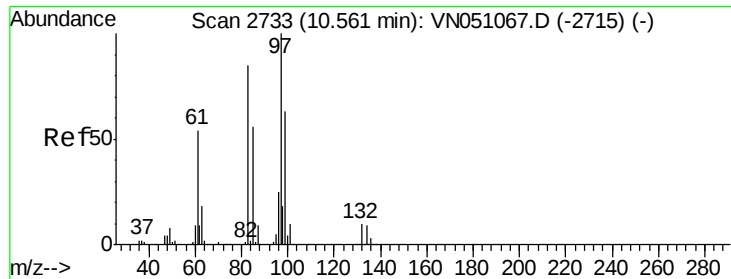
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 42.4 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 5.26 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

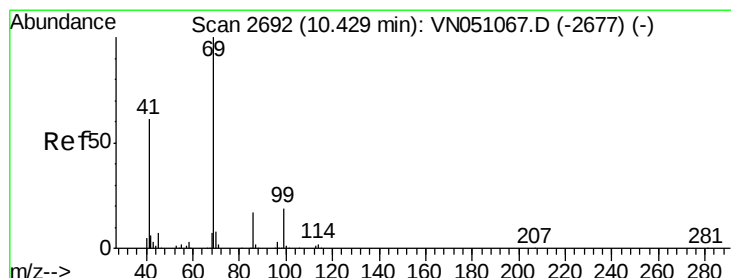
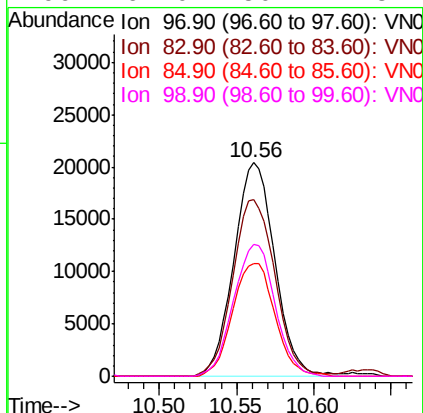
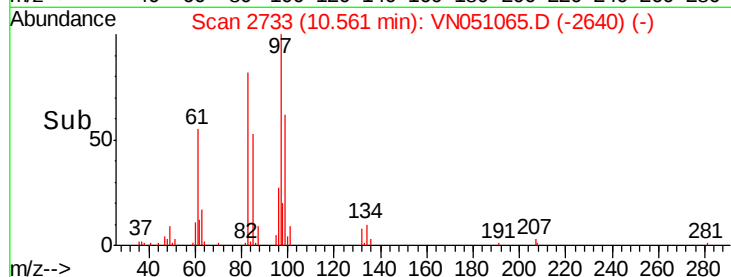
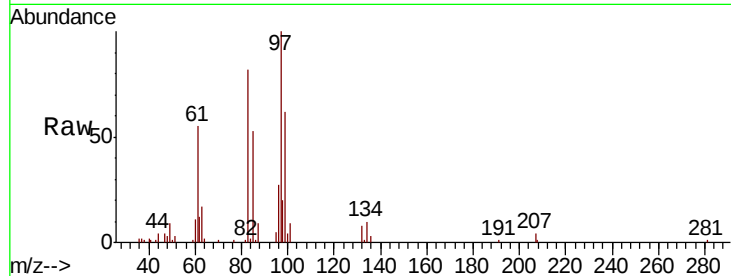
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	37517
Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.2	102.2
85	52.7	44.8	67.2
99	62.0	50.2	75.4

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#56

Ethyl methacrylate

Concen: 4.46 ug/l

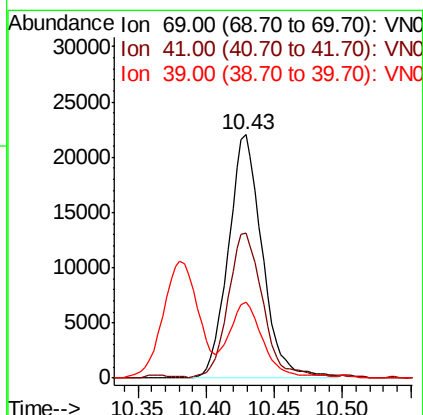
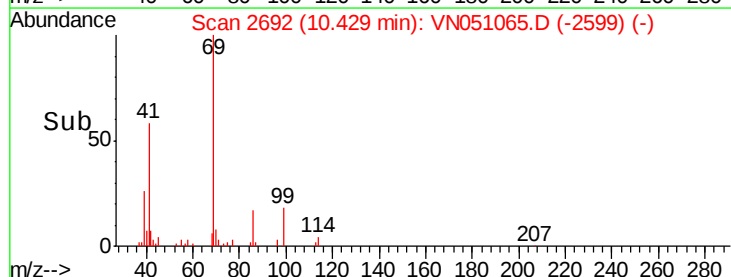
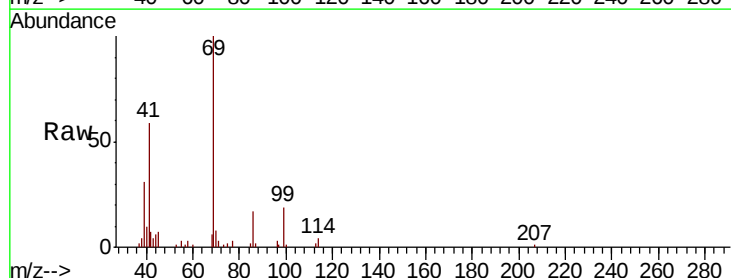
RT: 10.43 min Scan# 2692

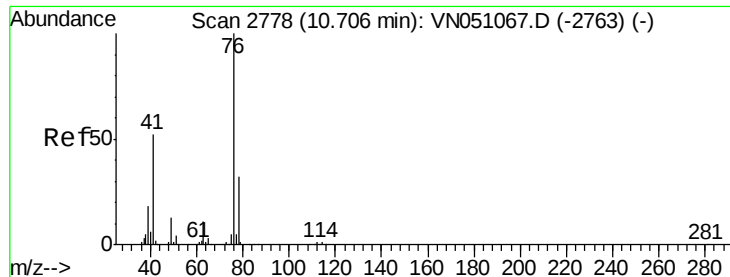
Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	69	Resp:	38047
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.8	71.8
39	28.9	23.0	34.4





#57

1,3-Dichloropropane

Concen: 5.10 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 60282

Ion Ratio Lower Upper

76 100

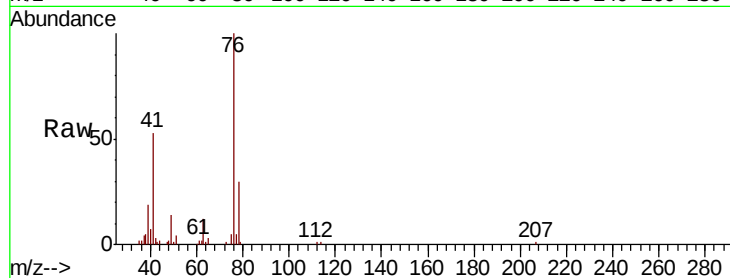
78 31.8 26.1 39.1

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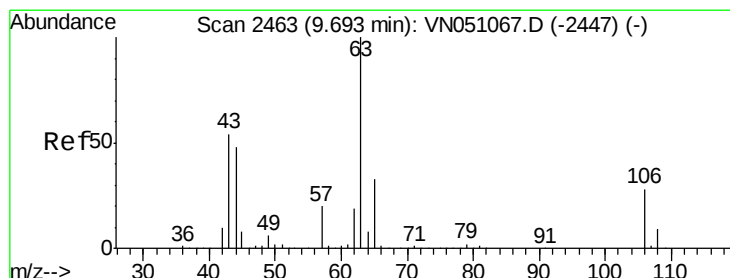
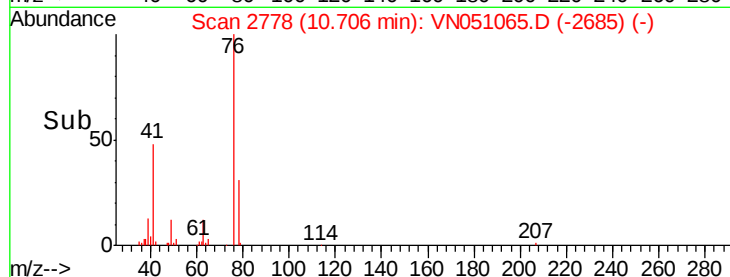
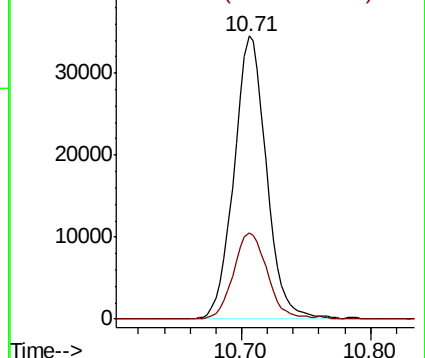
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.25 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051065.D

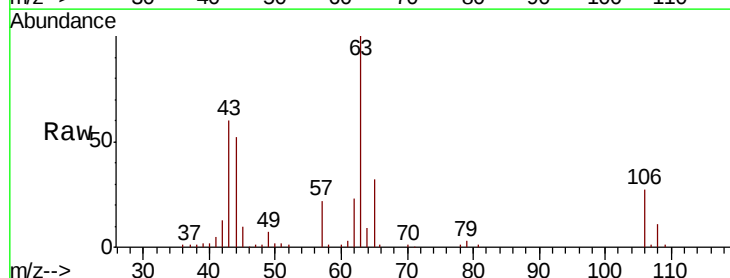
Acq: 10 Sep 2018 8:34

Tgt Ion: 63 Resp: 74071

Ion Ratio Lower Upper

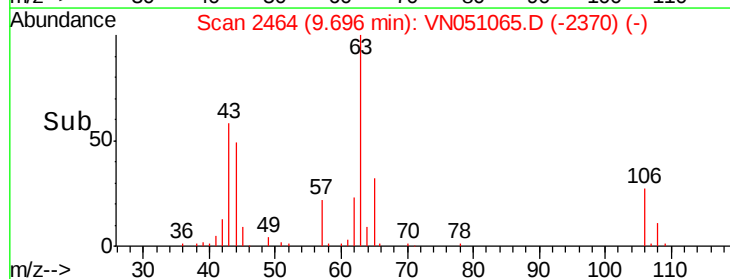
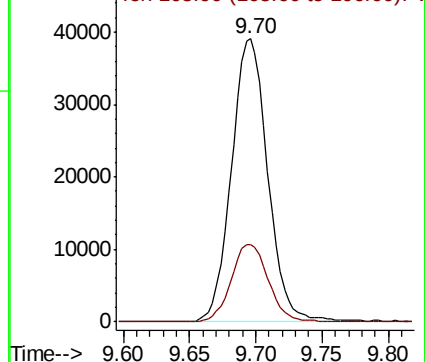
63 100

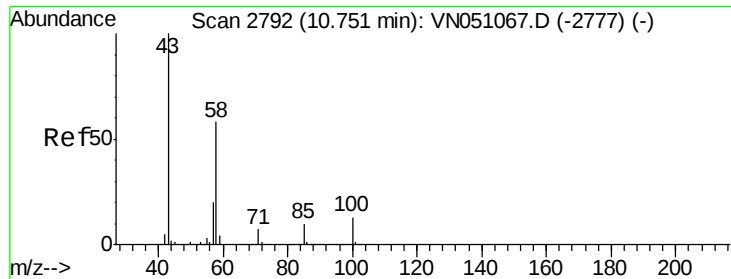
106 28.1 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





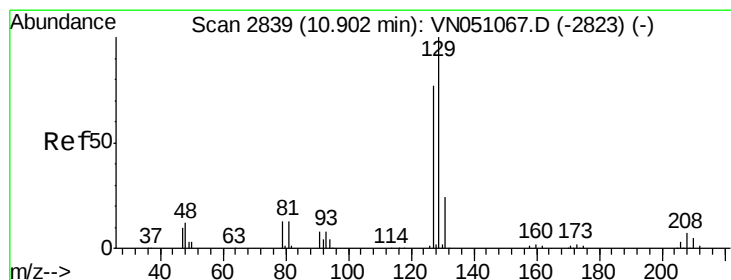
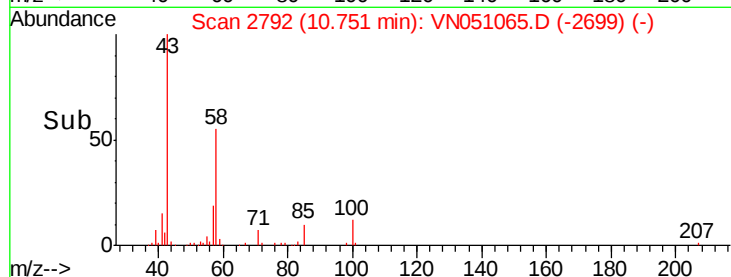
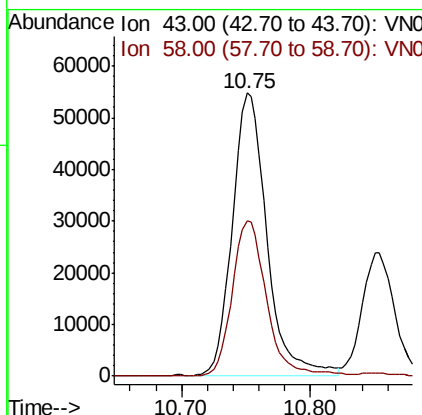
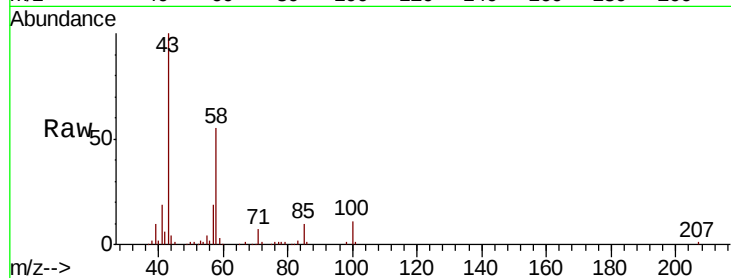
#59
2-Hexanone
Concen: 24.66 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 100900
Ion Ratio Lower Upper
43 100
58 55.5 29.3 88.0

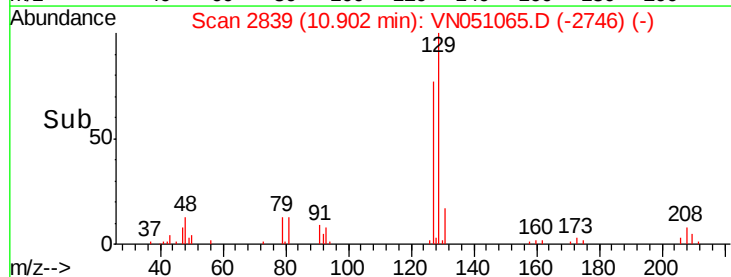
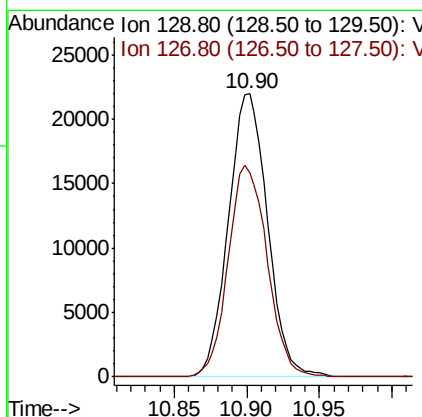
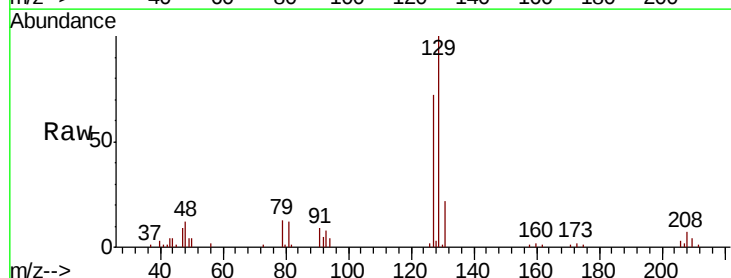
Manual Integrations
APPROVED

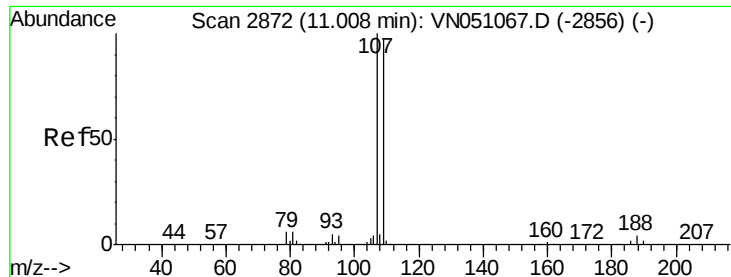
MMDadoda
9/11/2018 9:40:06 AM



#60
Dibromochloromethane
Concen: 5.12 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion: 129 Resp: 41139
Ion Ratio Lower Upper
129 100
127 74.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 5.14 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 35811

Ion Ratio Lower Upper

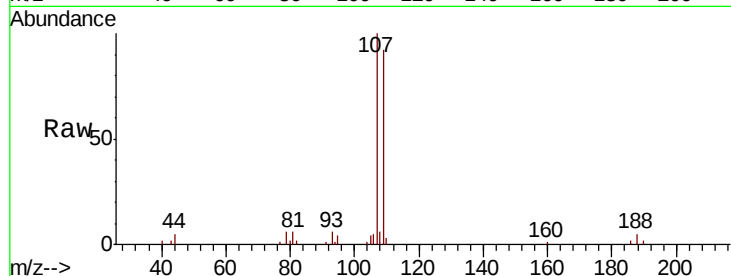
107 100

109 94.2 76.0 114.0

Manual Integrations
APPROVED

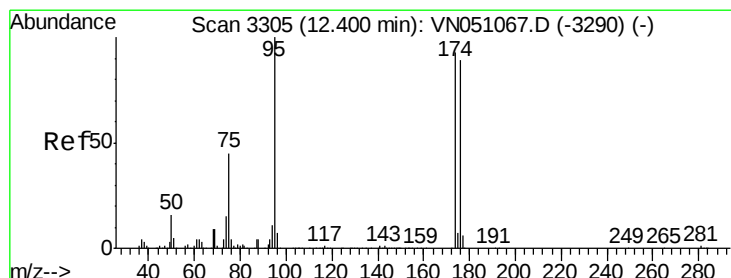
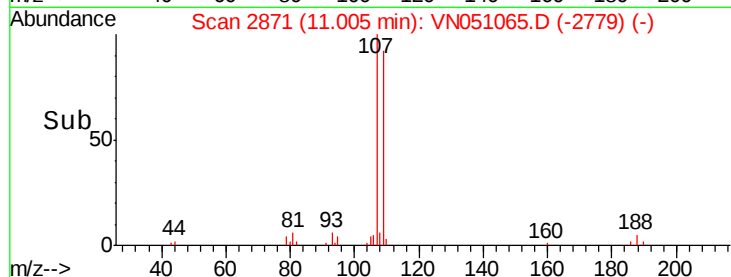
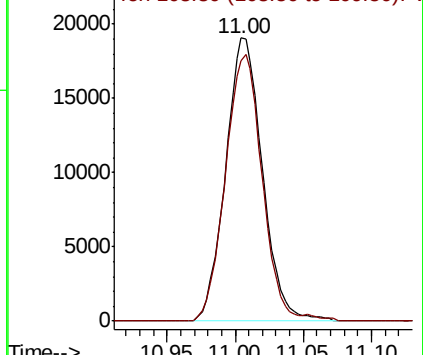
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.59 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

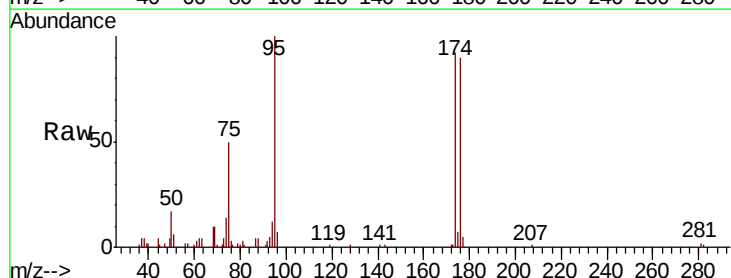
Tgt Ion: 95 Resp: 42068

Ion Ratio Lower Upper

95 100

174 94.9 0.0 184.8

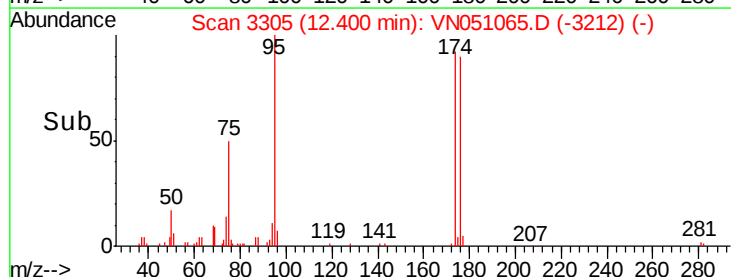
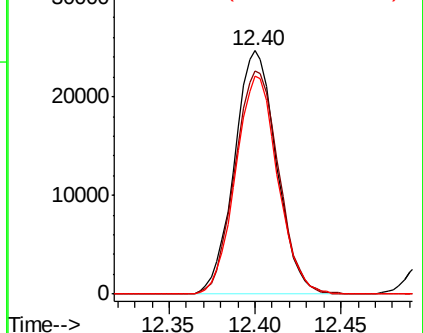
176 89.6 0.0 178.6

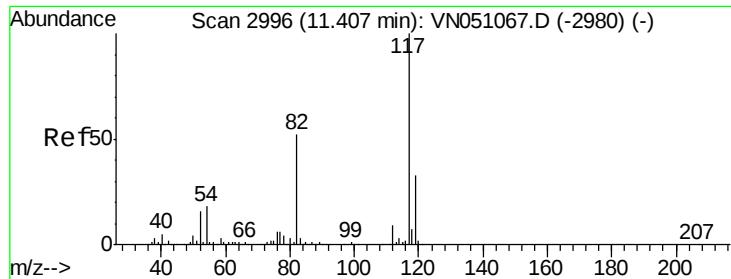


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





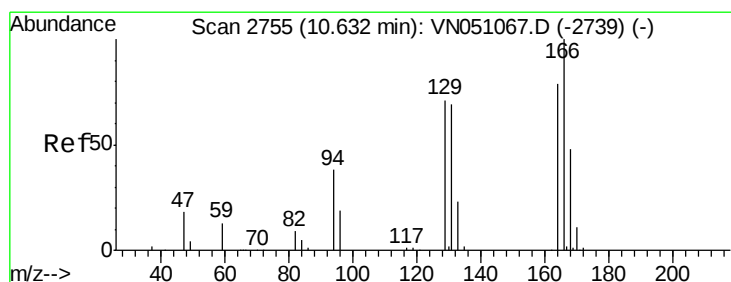
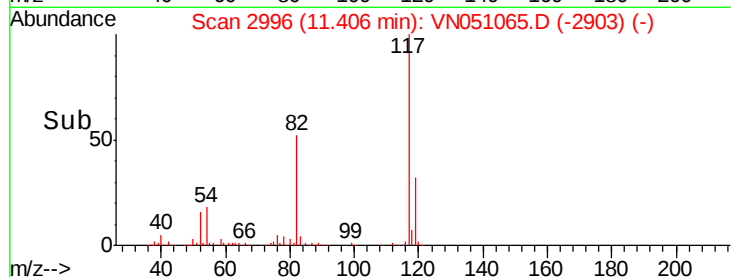
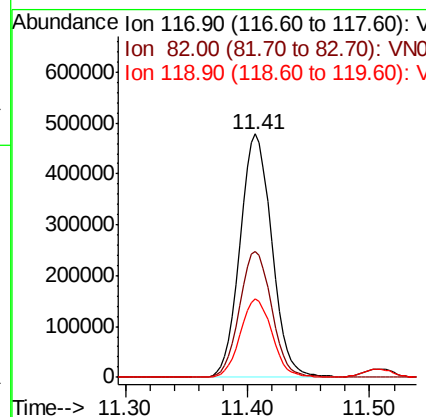
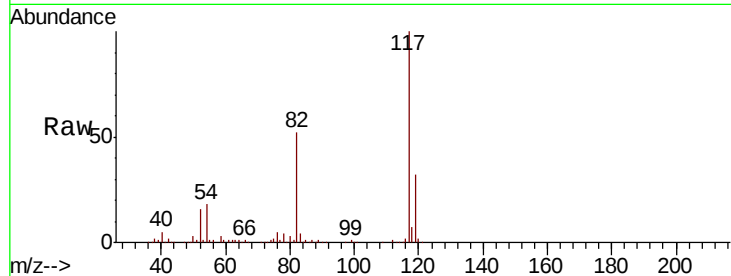
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.6
119	32.2	26.2	39.2

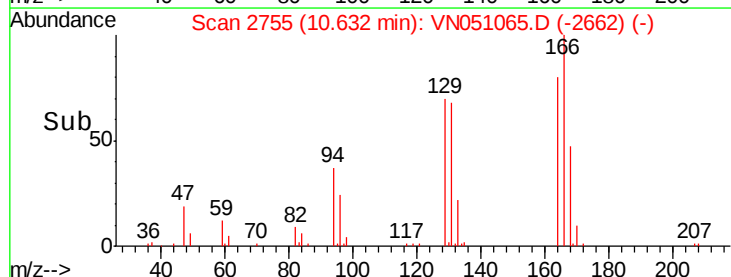
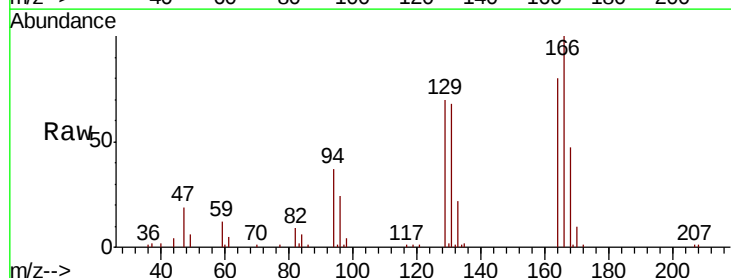
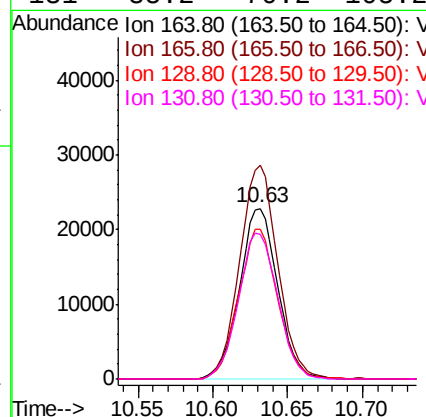
Manual Integrations
APPROVED

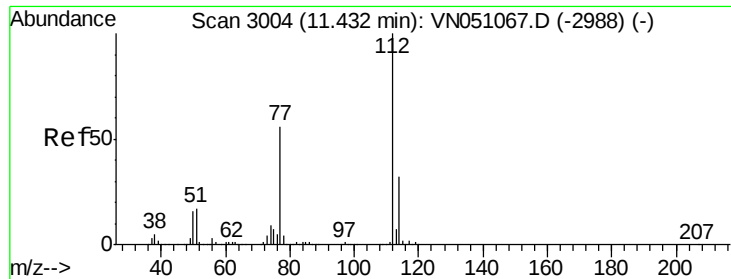
MMDadoda
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#64
Tetrachloroethene
Concen: 5.19 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.3	151.9
129	87.8	72.2	108.2
131	85.2	70.2	105.2





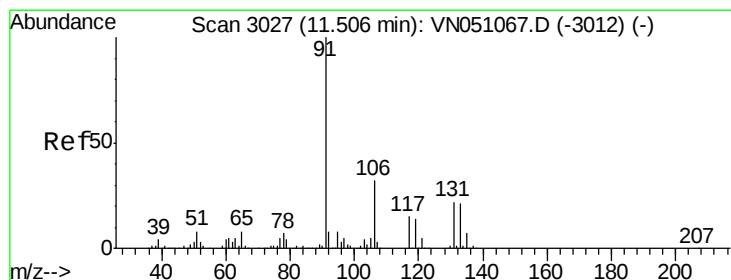
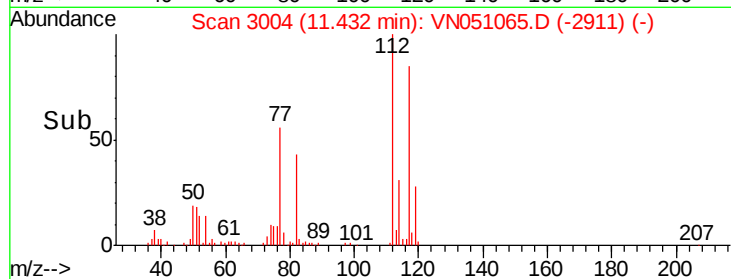
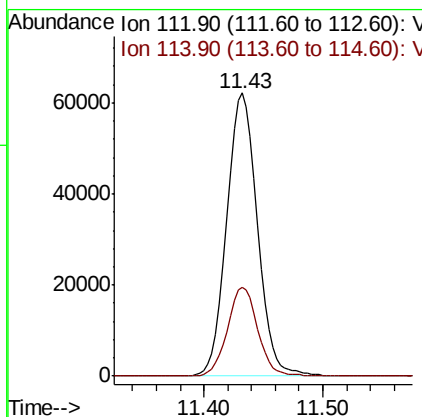
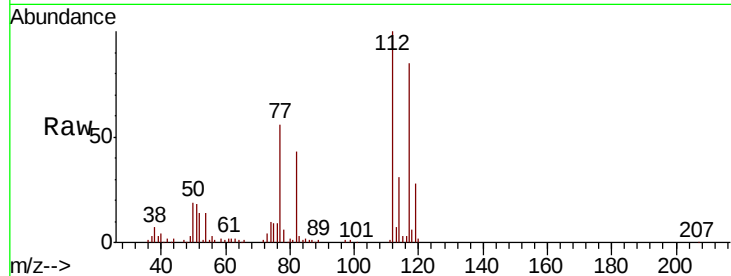
#65
Chlorobenzene
Concen: 5.12 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6

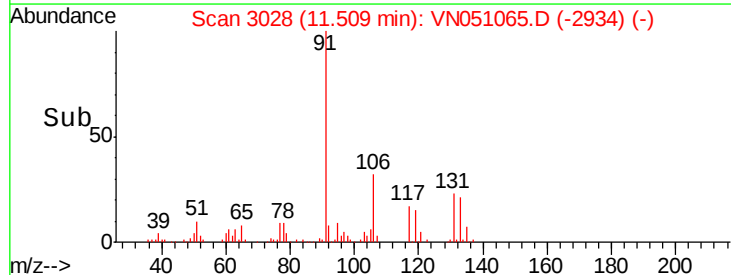
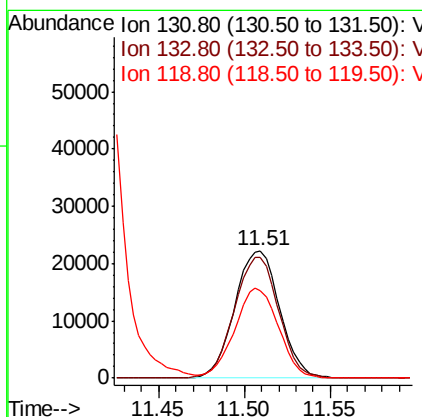
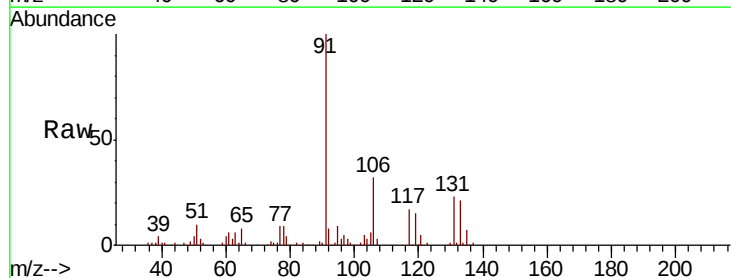
Manual Integrations
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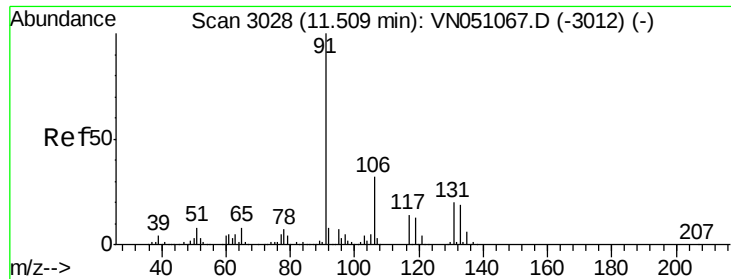
MMDadoda
9/11/2018 9:40:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.13 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.5	142.6
119	69.1	33.2	99.6





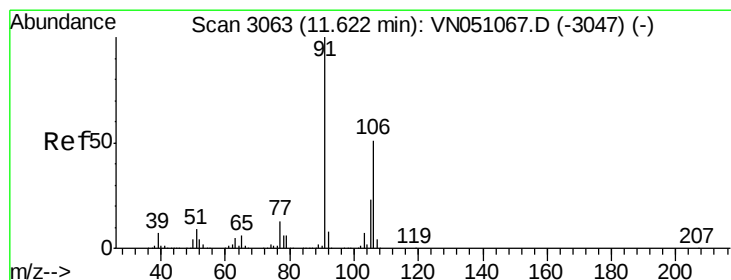
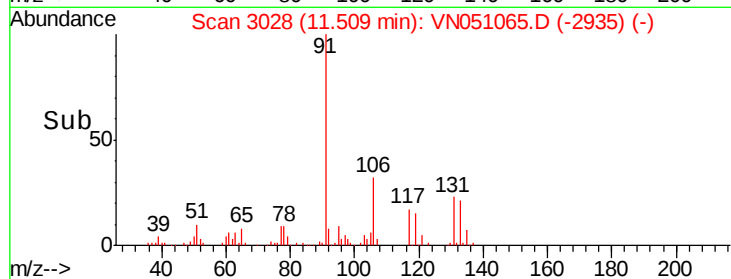
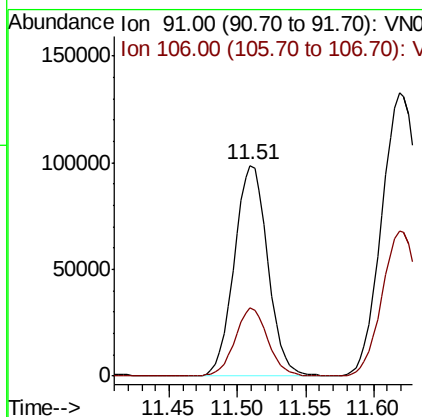
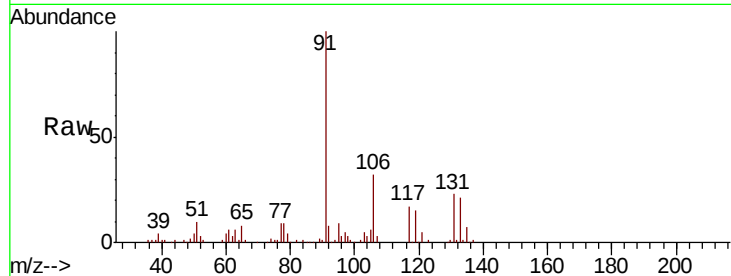
#67
Ethyl Benzene
Concen: 4.79 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2

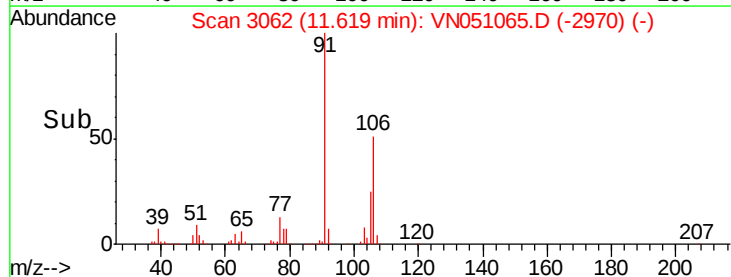
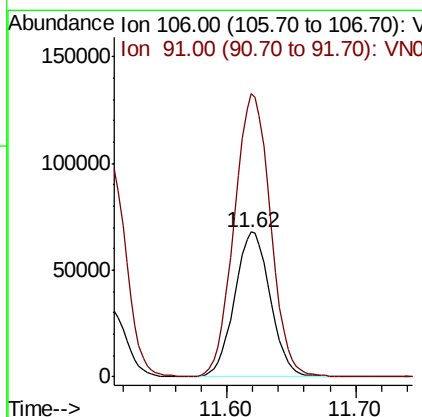
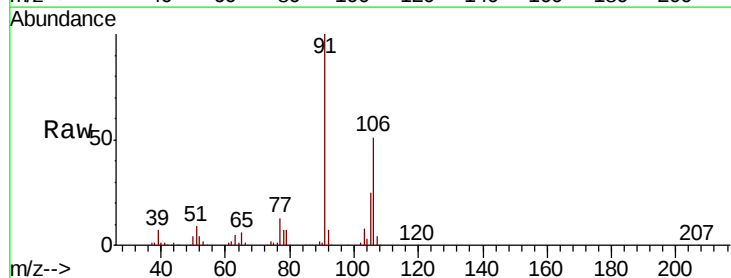
Manual Integrations
APPROVED

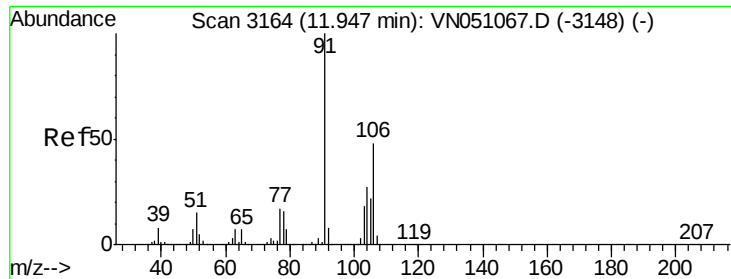
MMDadoda
9/11/2018 9:40:06 AM



#68
m/p-Xylenes
Concen: 9.67 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.7	159.8	239.6





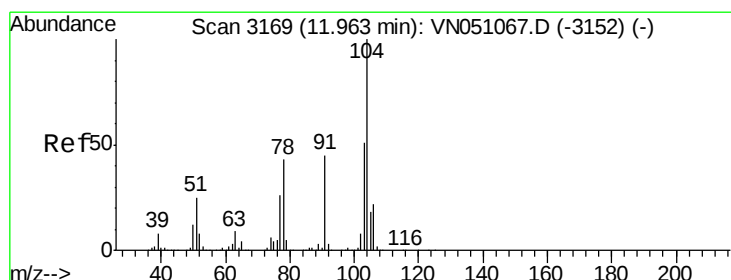
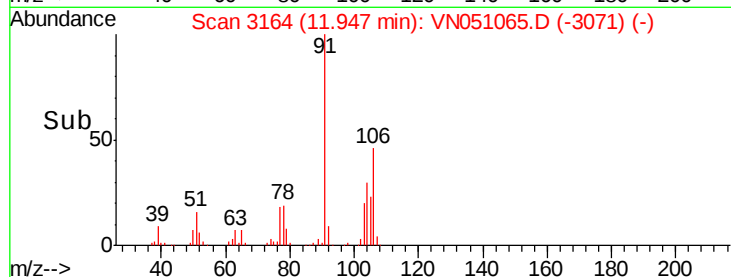
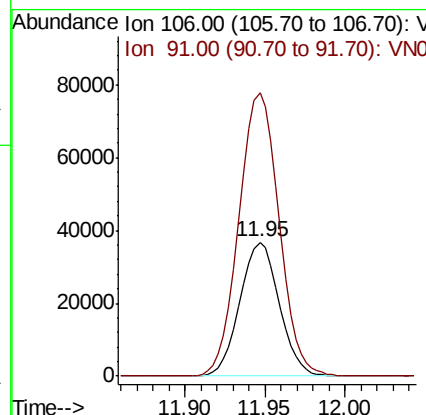
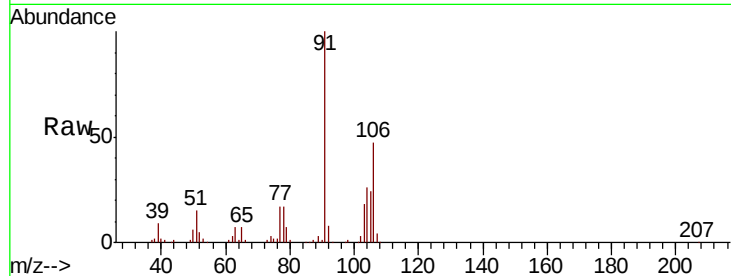
#69
o-Xylene
Concen: 4.70 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.3	105.1	315.1

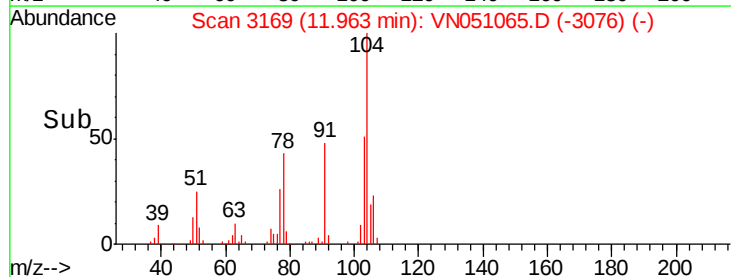
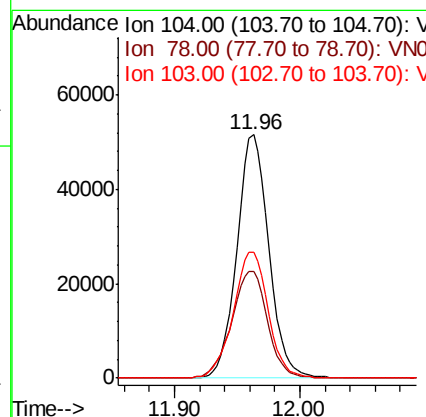
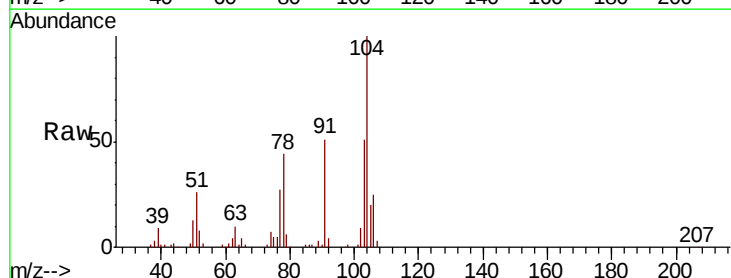
Manual Integrations
APPROVED

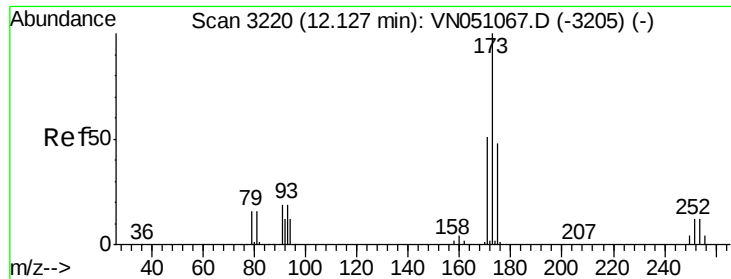
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#70
Styrene
Concen: 4.50 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	37.7	56.5
103	56.2	44.6	67.0





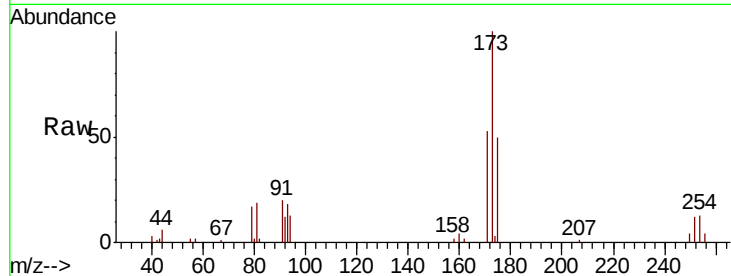
#71
Bromoform
Concen: 4.94 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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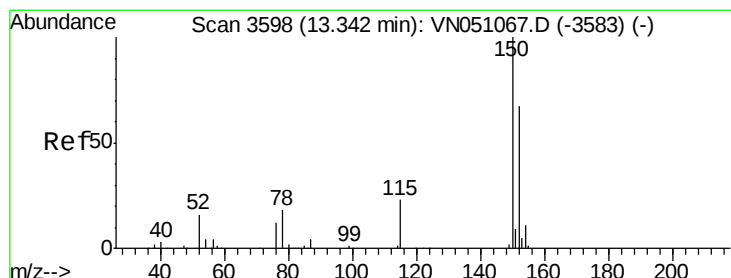
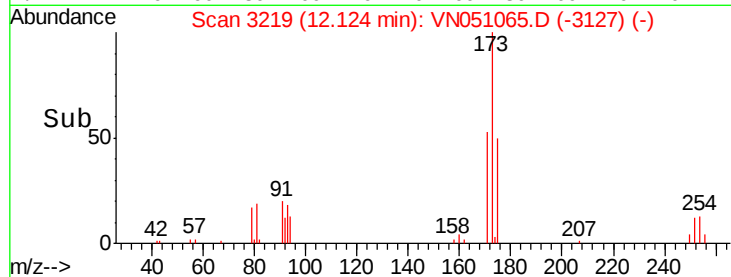
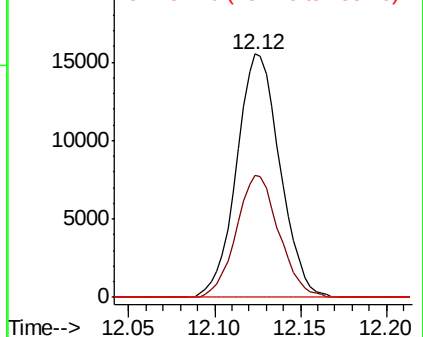


Abundance

Ion 172.70 (172.40 to 173.40): V

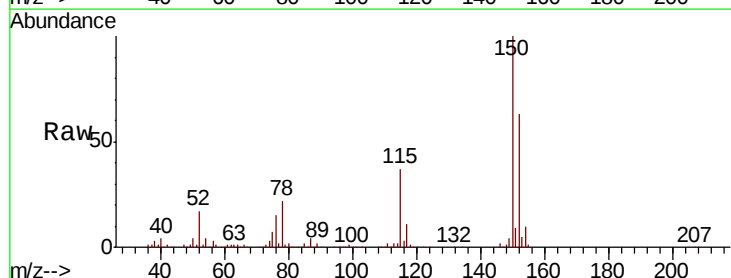
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.2	84.7
150	158.1	0.0	349.0

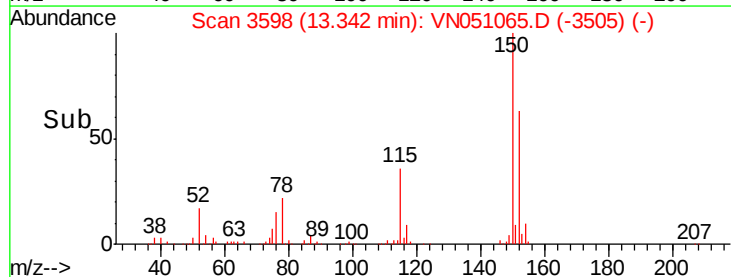
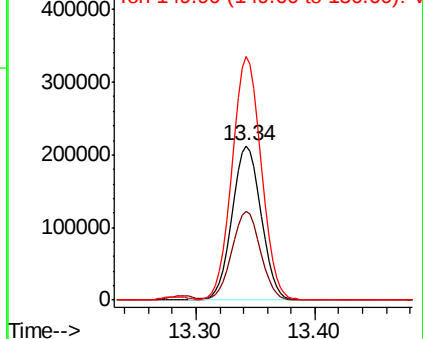


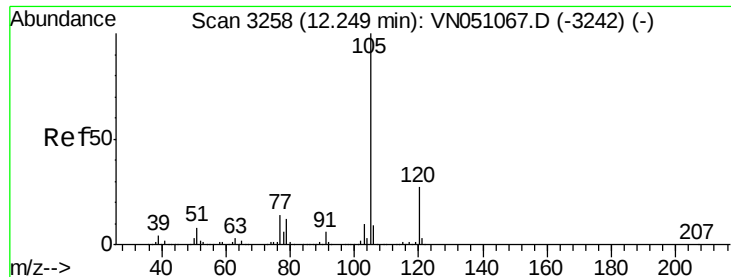
Abundance

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: 5.38 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 162269

Ion Ratio Lower Upper

105 100

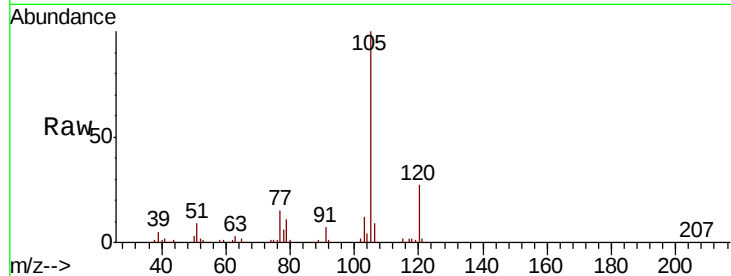
120 26.9 13.6 40.7

Manual Integrations

APPROVED

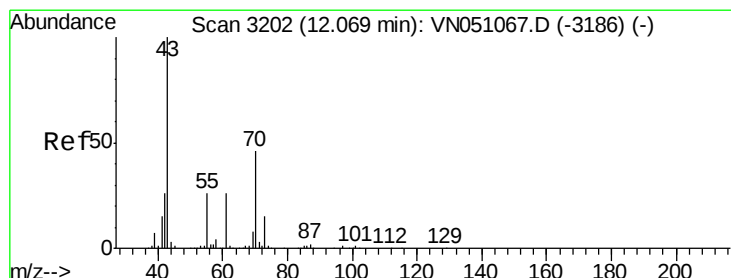
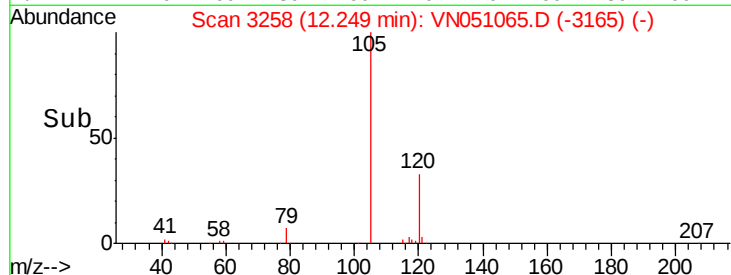
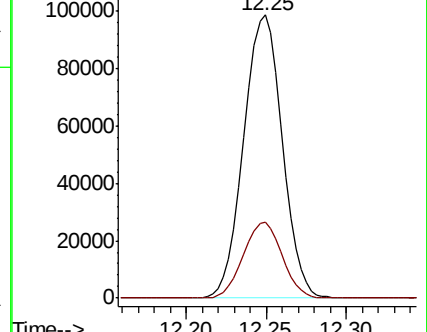
MMDadoda

9/11/2018 9:40:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.75 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion: 43 Resp: 36057

Ion Ratio Lower Upper

43 100

70 45.7 37.0 55.4

55 28.1 21.3 31.9

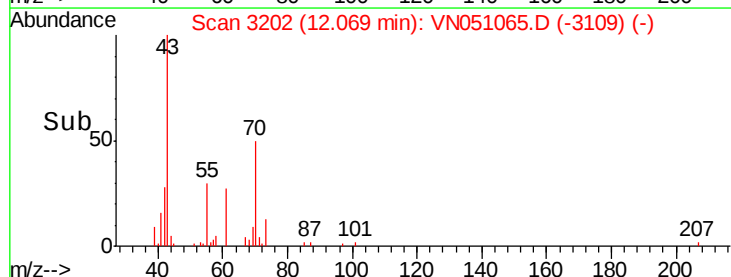
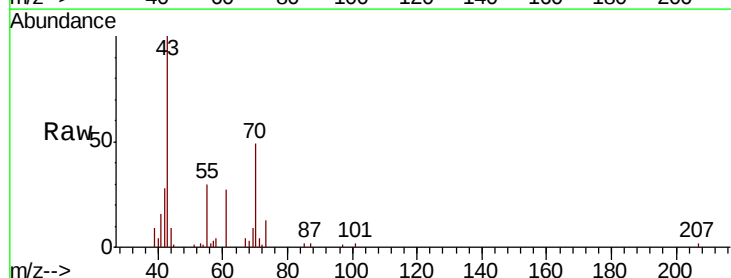
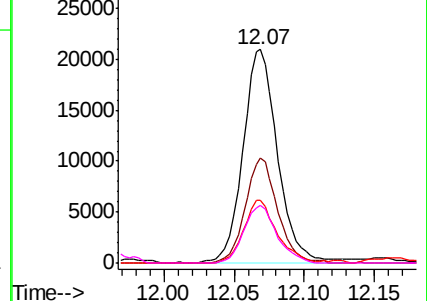
61 25.7 20.7 31.1

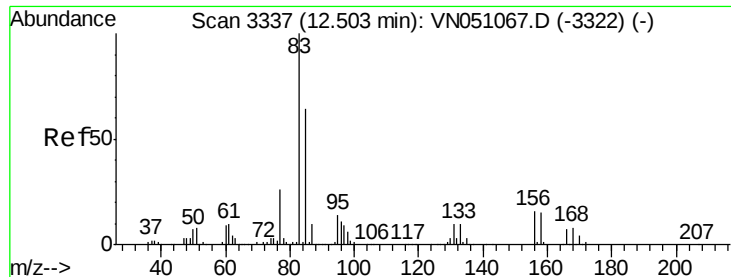
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.74 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

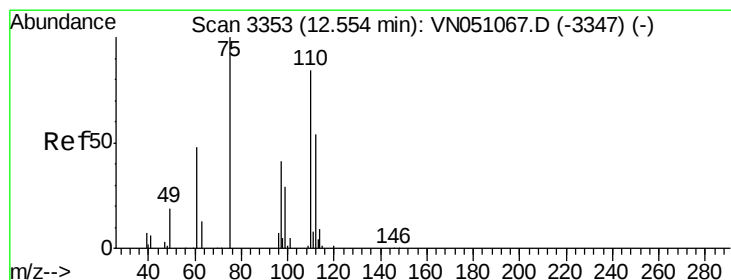
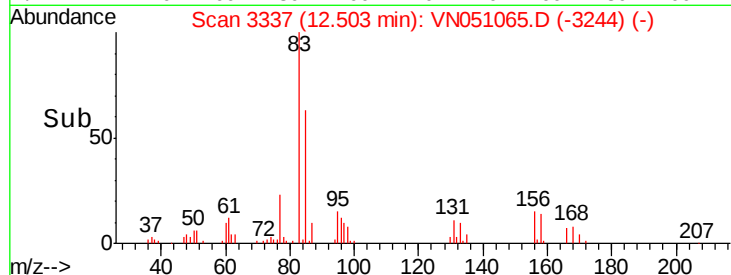
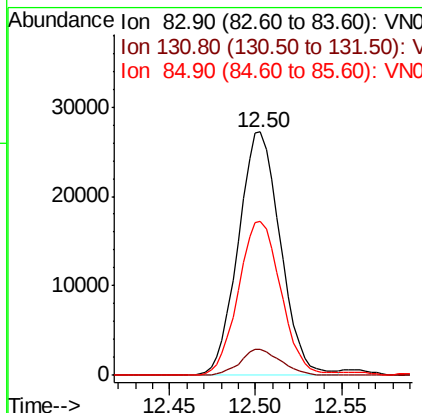
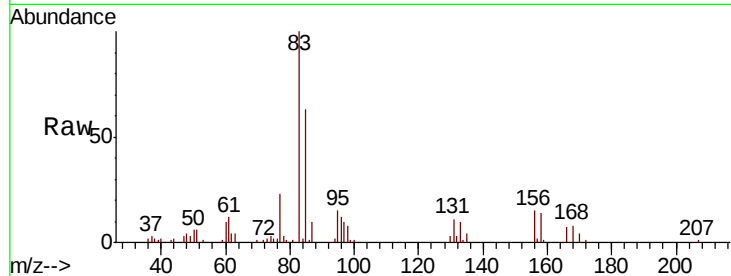
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	46127
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	63.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.23 ug/l m

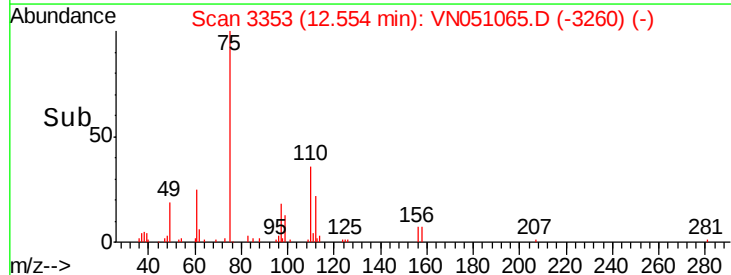
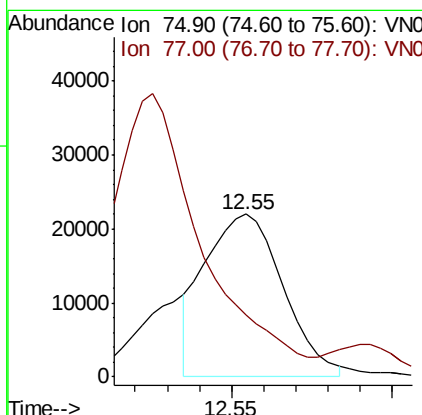
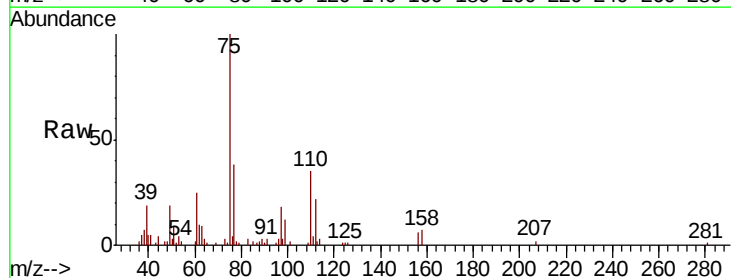
RT: 12.55 min Scan# 3353

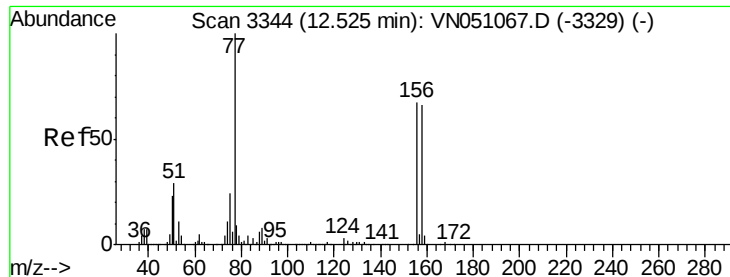
Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	75	Resp:	37247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.36 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 43394

Ion Ratio Lower Upper

156 100

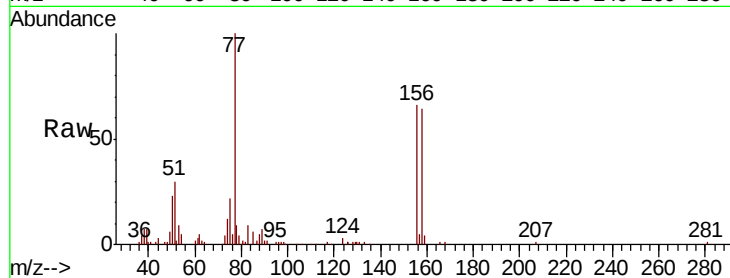
77 176.4 87.5 262.6

158 96.4 49.0 147.2

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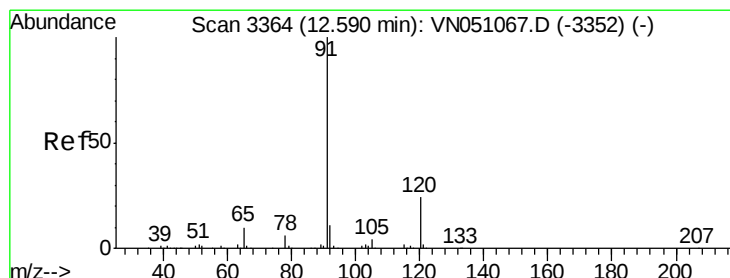
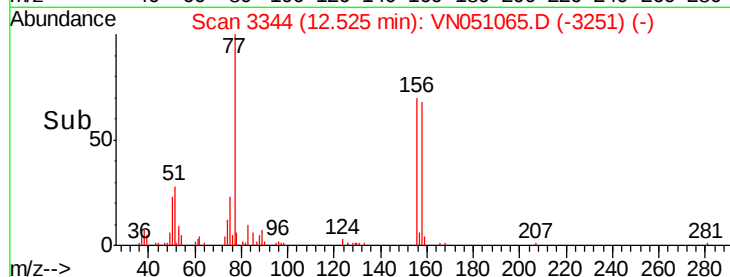
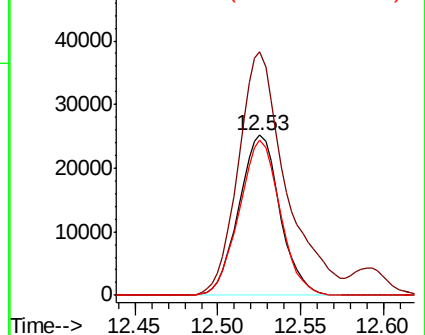
9/11/2018 9:40:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.17 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051065.D

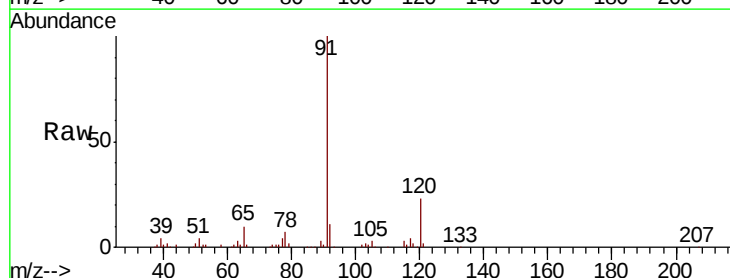
Acq: 10 Sep 2018 8:34

Tgt Ion: 91 Resp: 171368

Ion Ratio Lower Upper

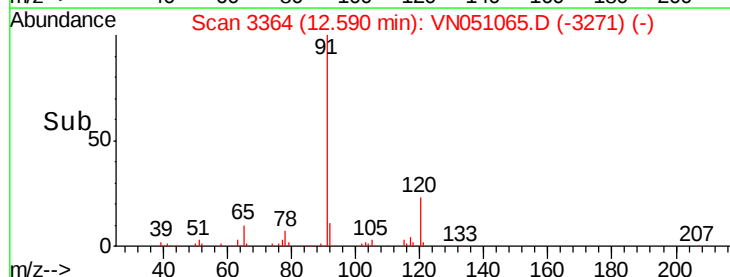
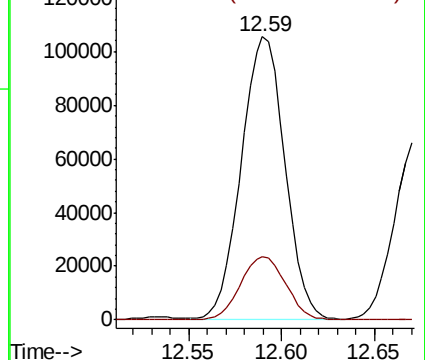
91 100

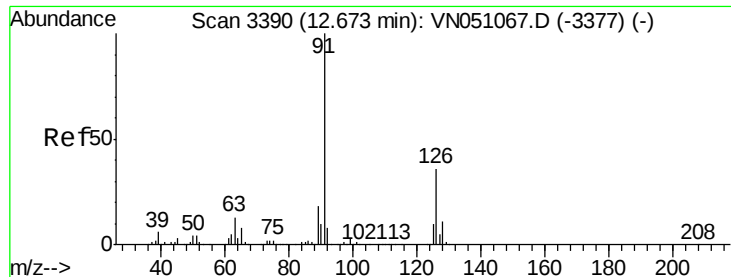
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.38 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 111417

Ion Ratio Lower Upper

91 100

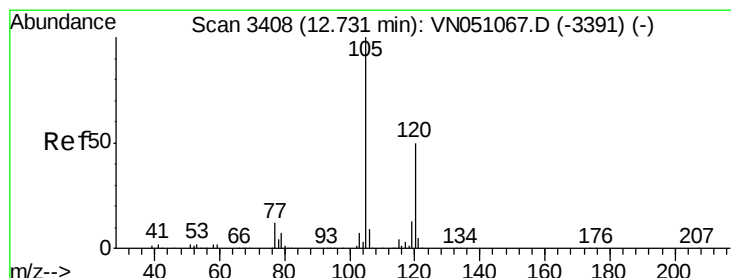
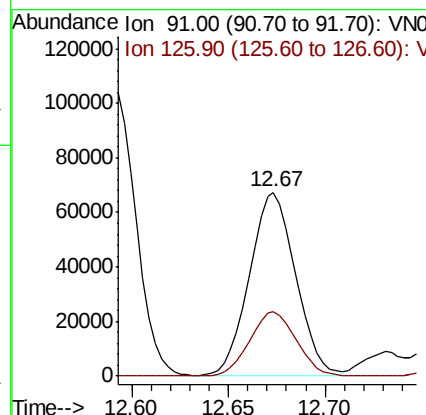
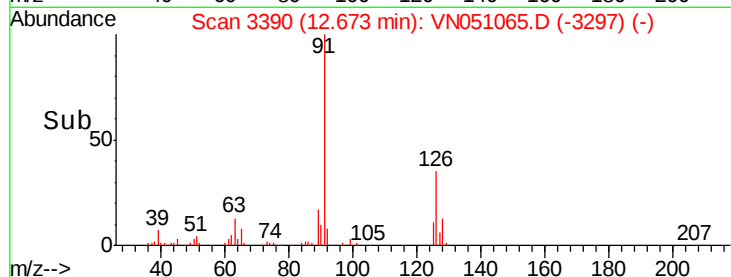
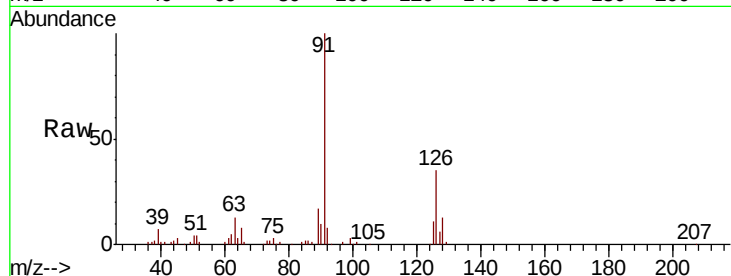
126 35.5 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 5.20 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051065.D

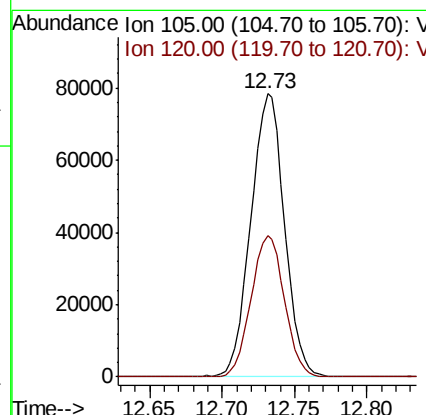
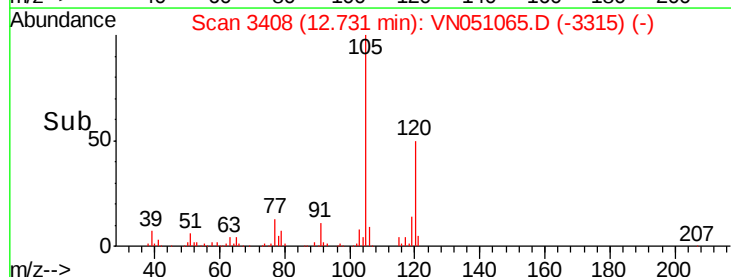
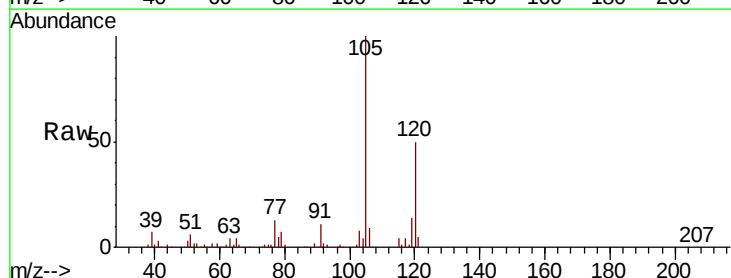
Acq: 10 Sep 2018 8:34

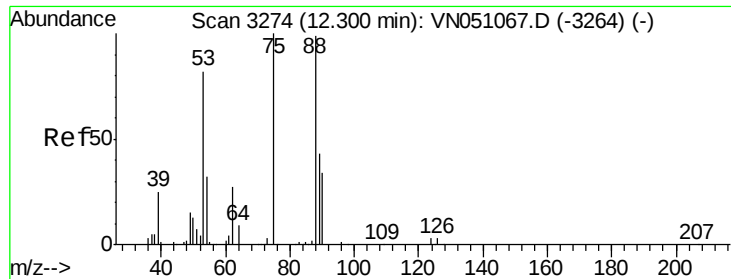
Tgt Ion: 105 Resp: 126833

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.08 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

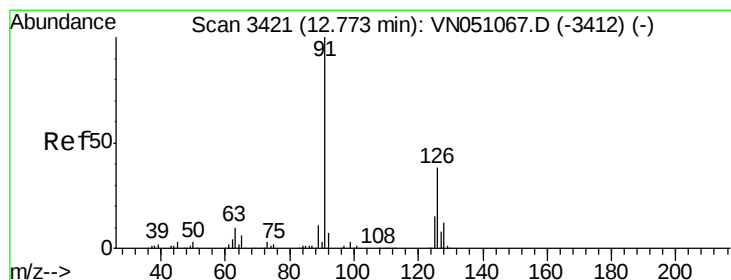
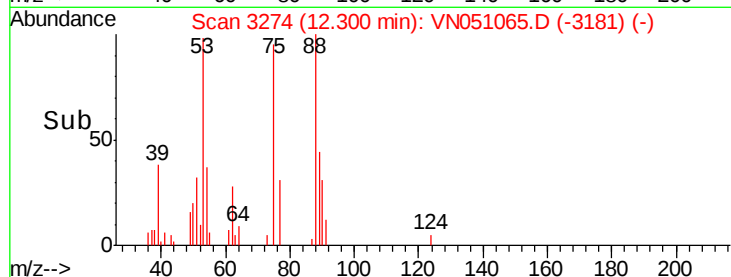
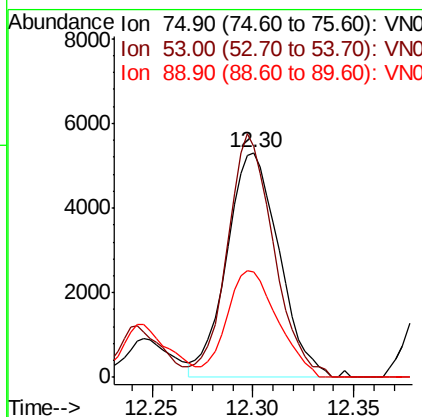
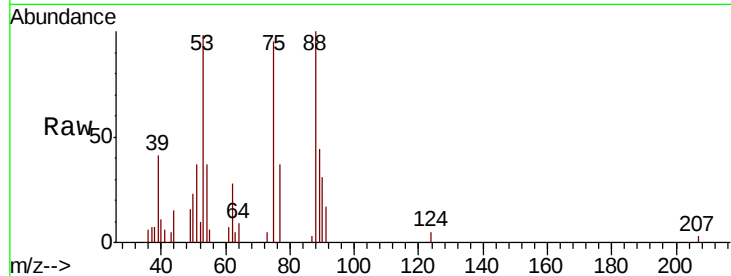
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	9628
Ion	Ratio	Lower	Upper
75	100		
53	96.5	67.8	101.8
89	46.4	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.22 ug/l

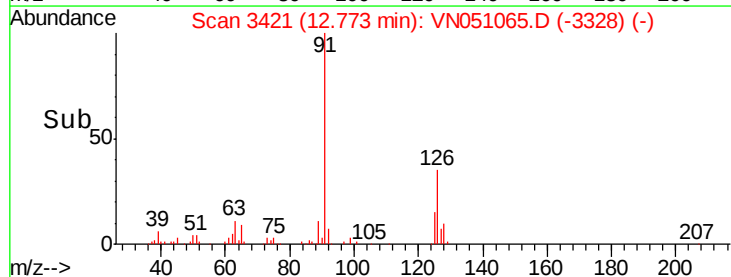
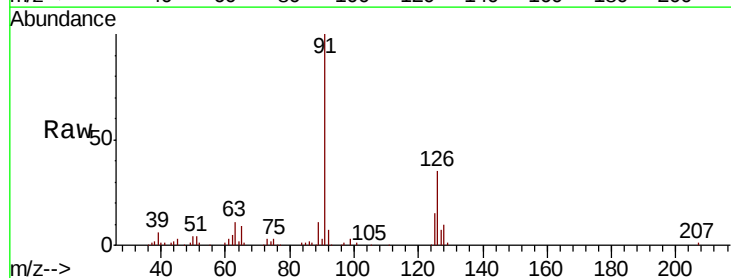
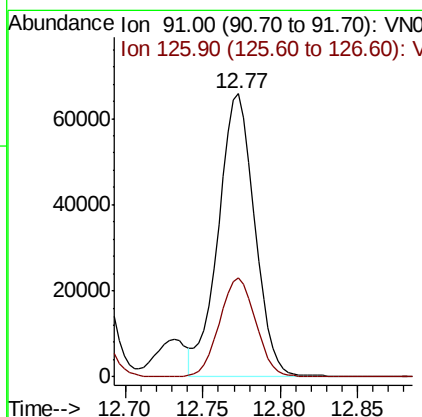
RT: 12.77 min Scan# 3421

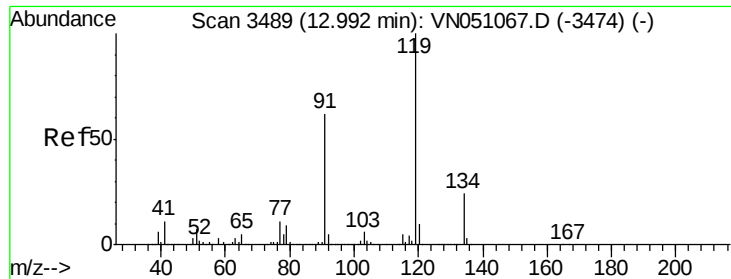
Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Tgt Ion:	91	Resp:	107445
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.6	52.8





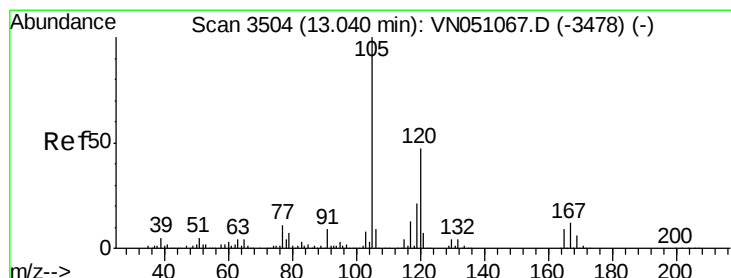
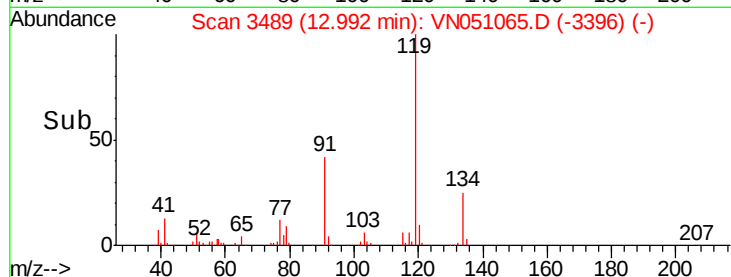
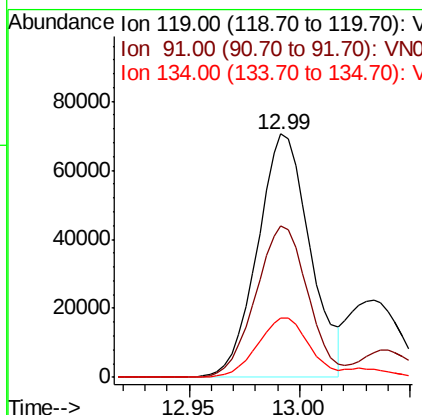
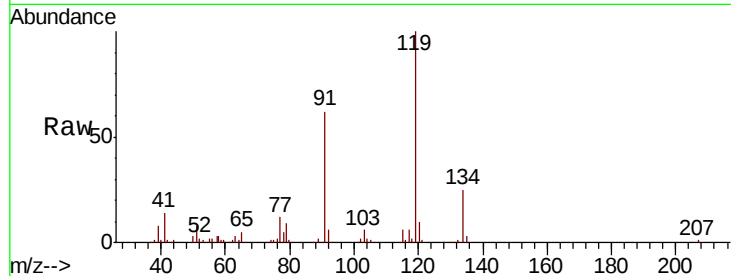
#83
 tert-Butylbenzene
 Concen: 5.39 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116140		
91	62.0	30.8	92.3	
134	24.0	13.2	39.6	

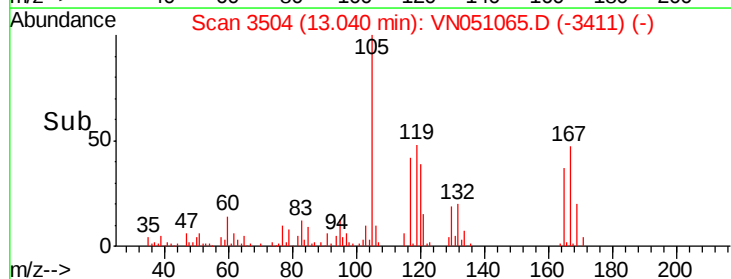
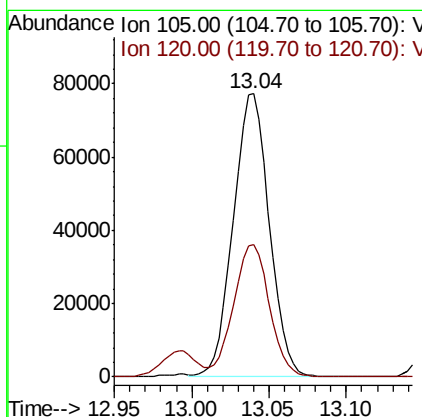
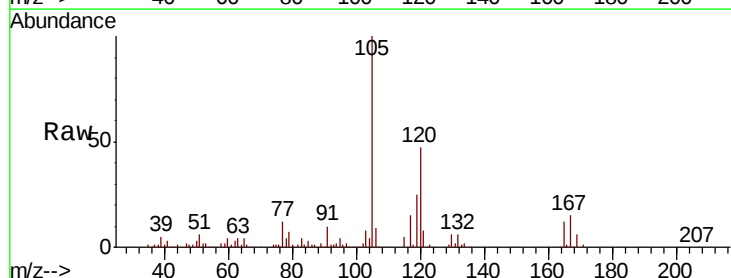
Manual Integrations
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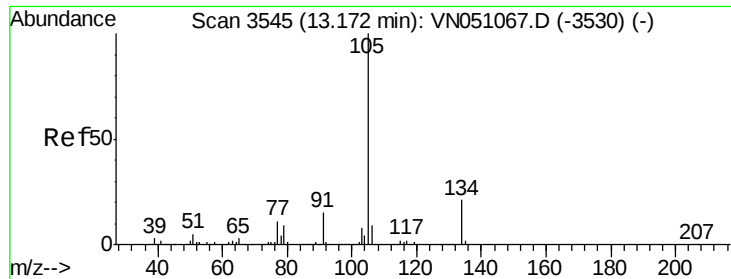
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 9/11/2018 9:40:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.21 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	124975		
120	46.4	23.3	69.8	





#85

sec-Butylbenzene

Concen: 5.30 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 146407

Ion Ratio Lower Upper

105 100

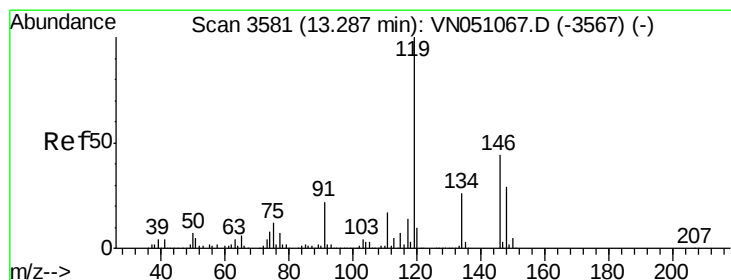
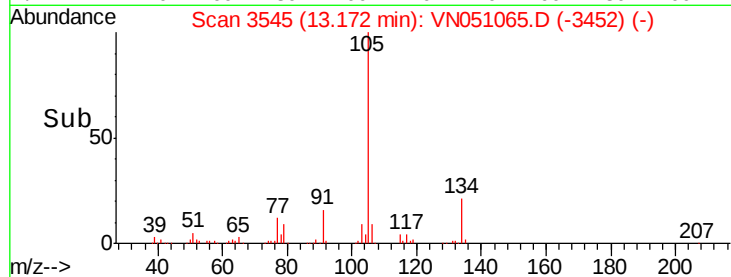
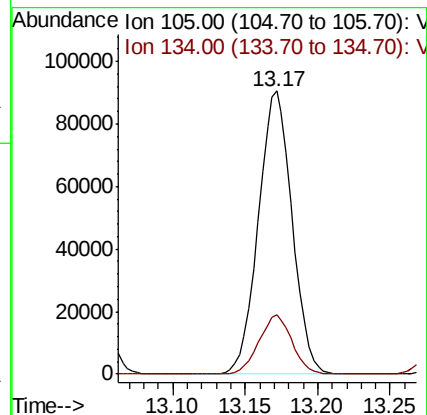
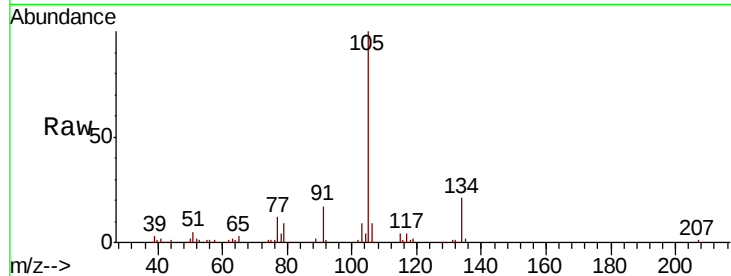
134 20.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 4.99 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051065.D

Acq: 10 Sep 2018 8:34

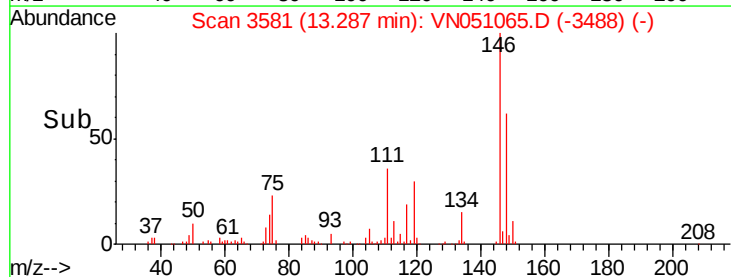
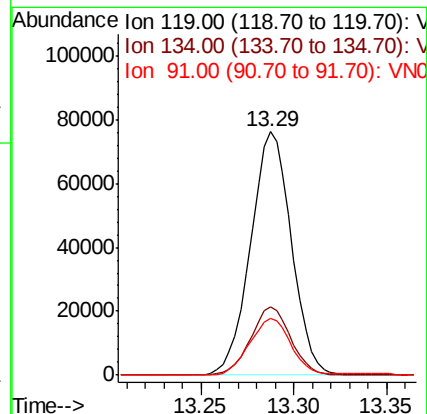
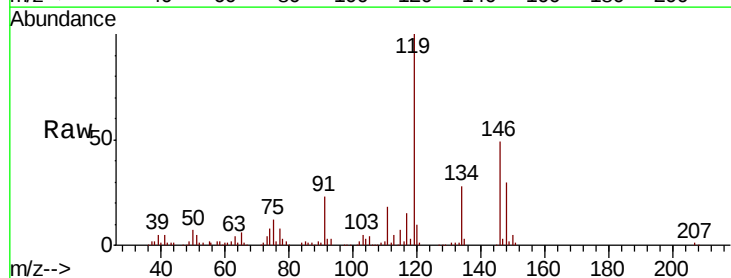
Tgt Ion:119 Resp: 116762

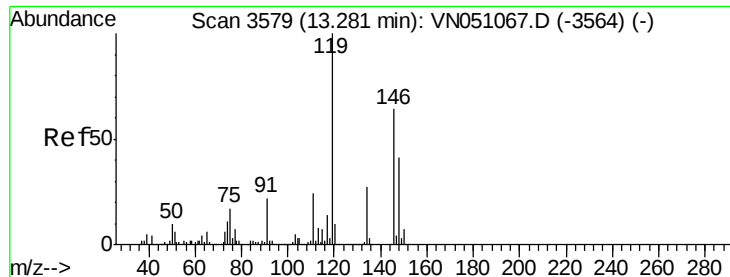
Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

91 23.7 10.9 32.9





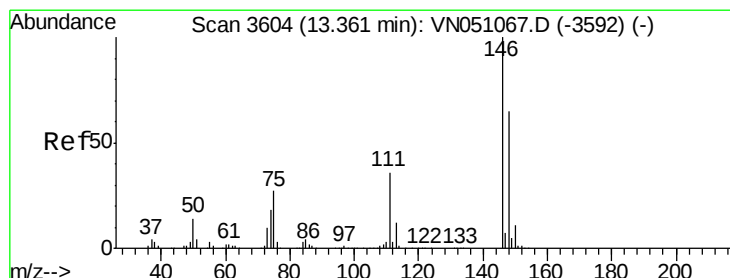
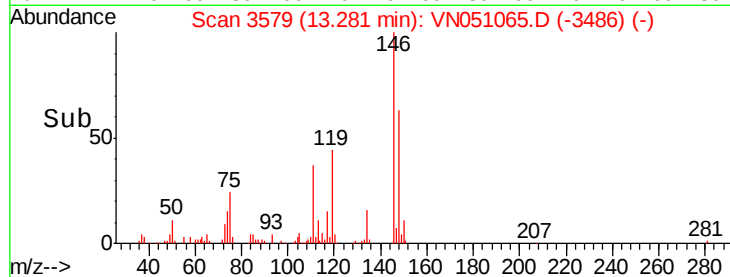
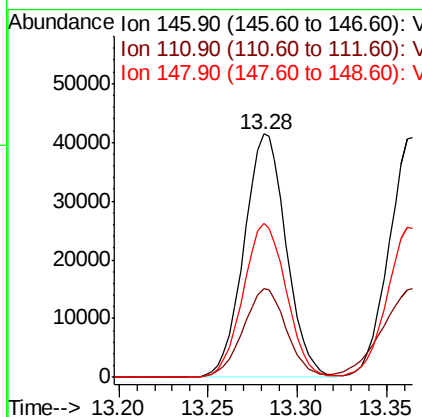
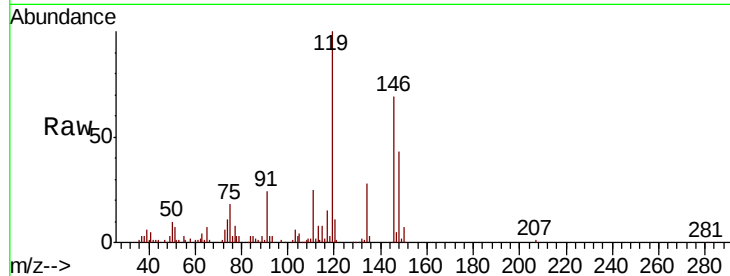
#87
 1,3-Dichlorobenzene
 Concen: 4.99 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.5	32.2	96.6

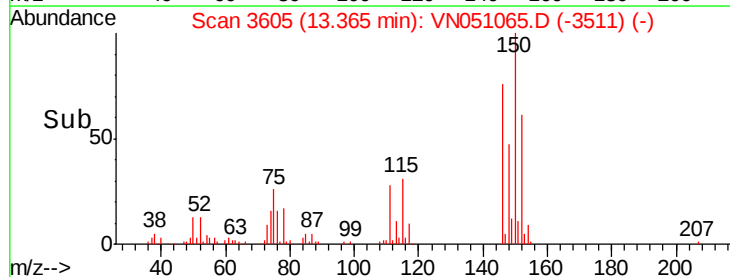
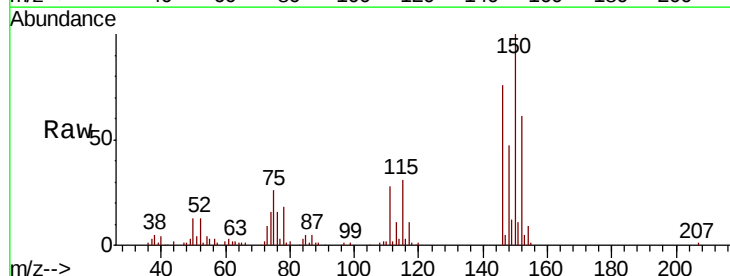
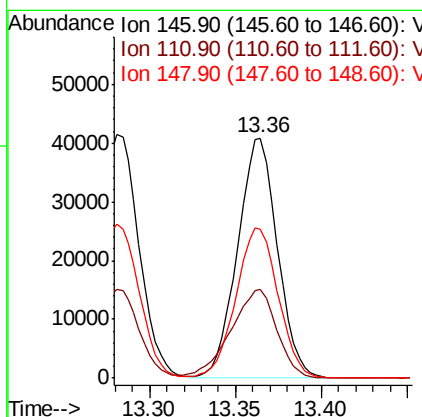
Manual Integrations
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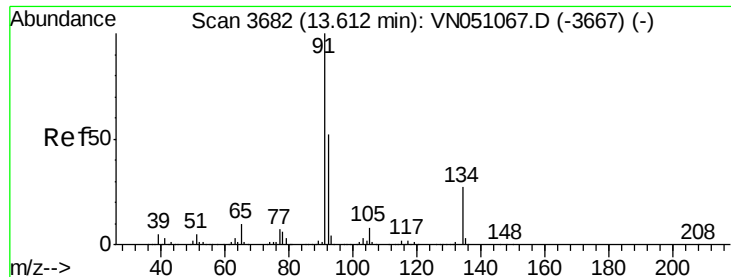
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 9/11/2018 9:40:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.86 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	18.4	55.0
148	66.5	32.2	96.6





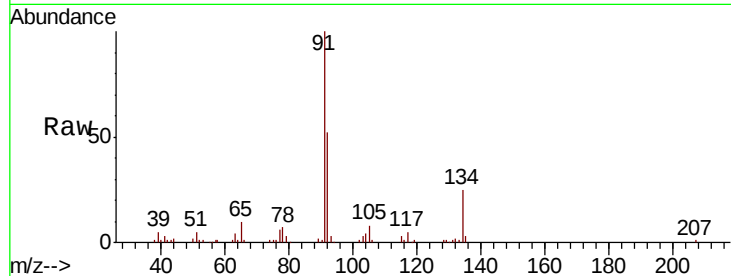
#89
n-Butylbenzene
Concen: 4.59 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

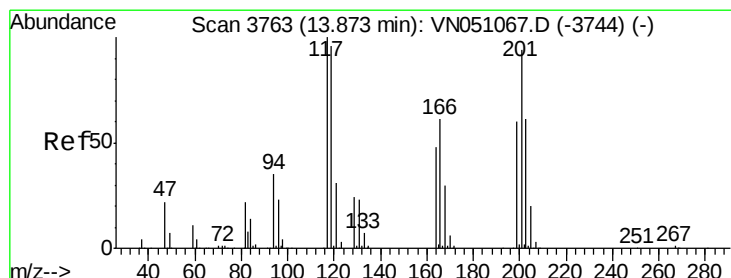
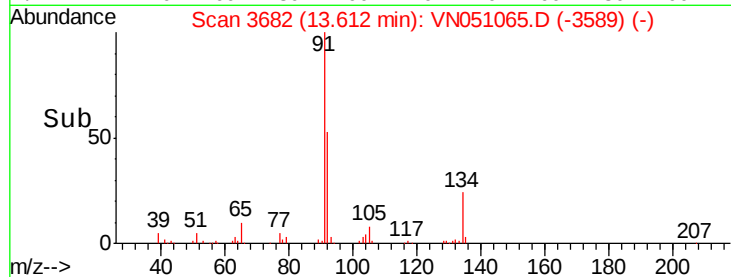
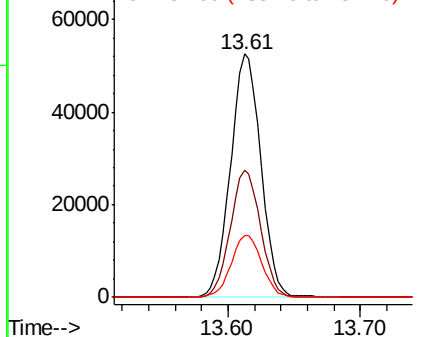
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	25.5	13.7	41.1

Manual Integrations
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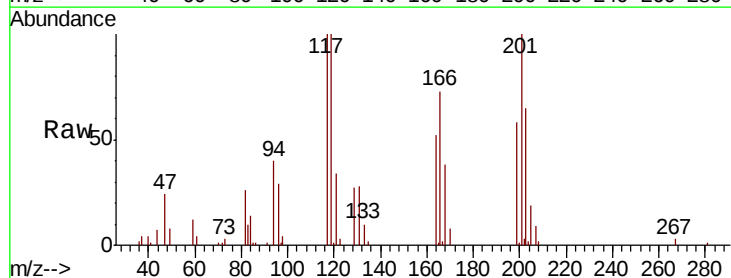


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)

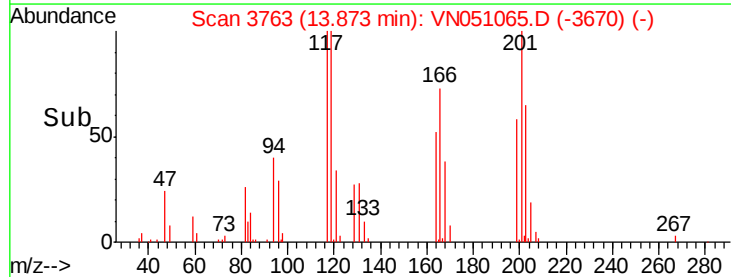
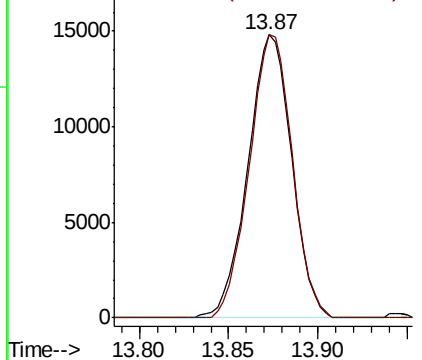


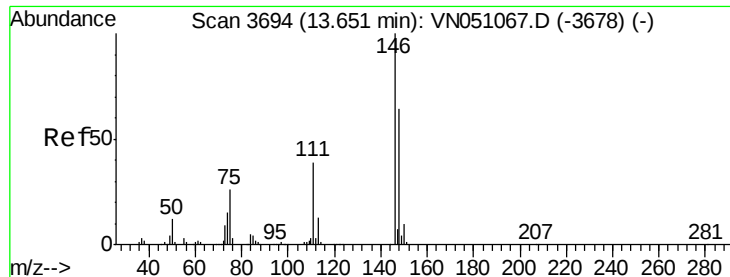
#90
Hexachloroethane
Concen: 5.30 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	47.3	142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)
Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)





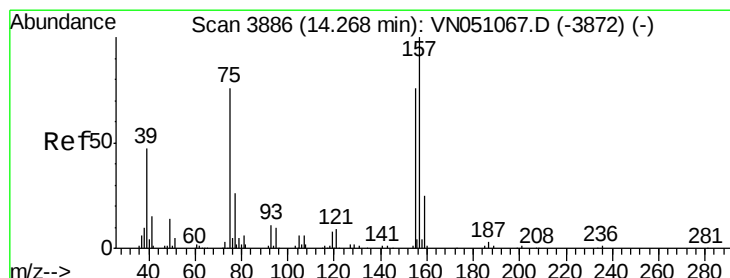
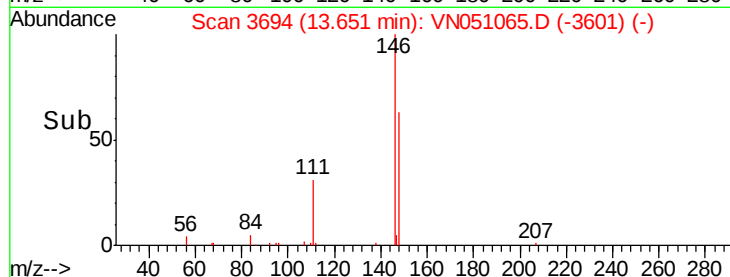
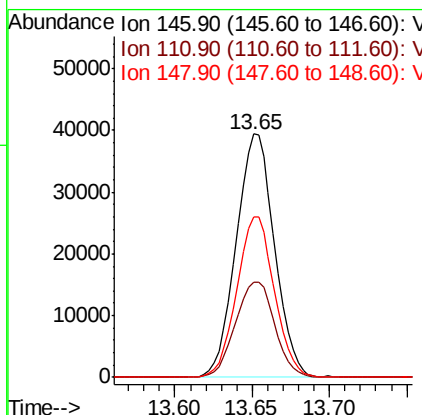
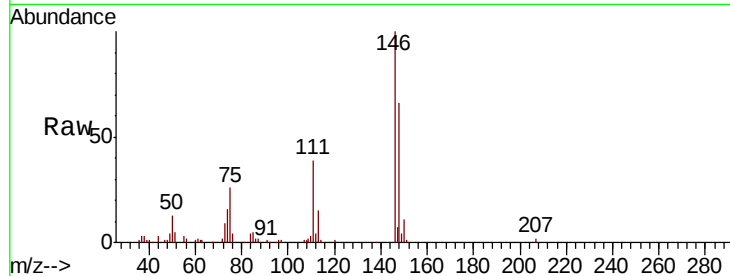
#91
 1,2-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.5	32.1	96.3

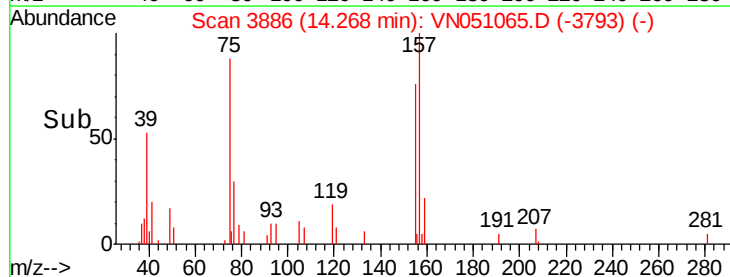
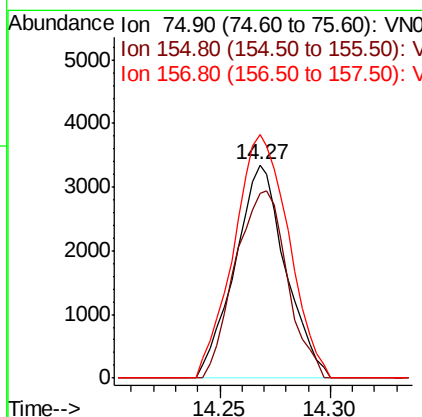
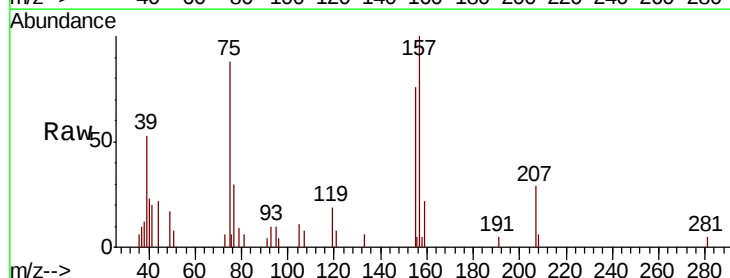
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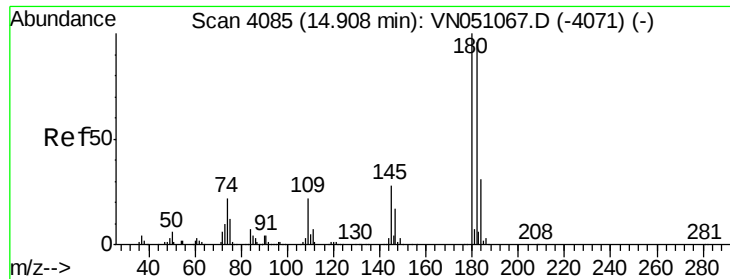
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 9/11/2018 9:40:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.54 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	48.7	146.1
157	124.3	63.6	190.9





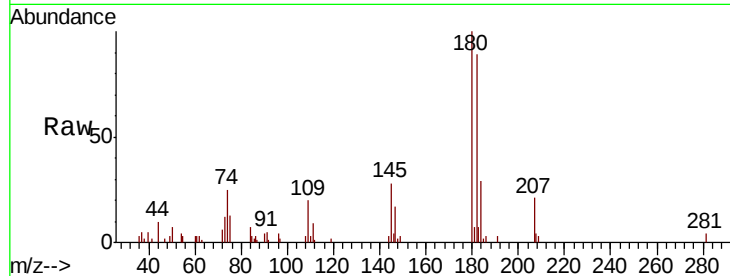
#93
 1,2,4-Trichlorobenzene
 Concen: 3.00 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

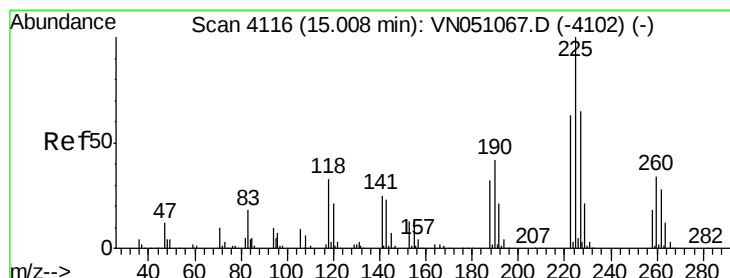
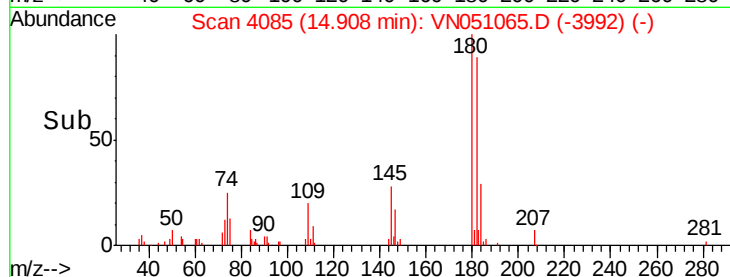
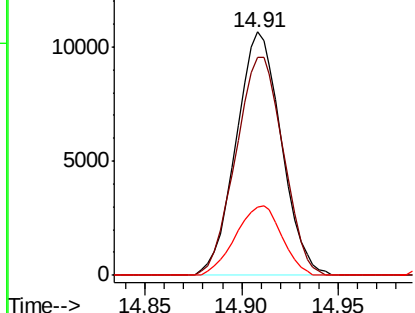
Tot Ion	Ratio	Resp	Lower	Upper
180	100	17280		
182	93.9	47.3	141.8	
145	29.2	14.2	42.6	

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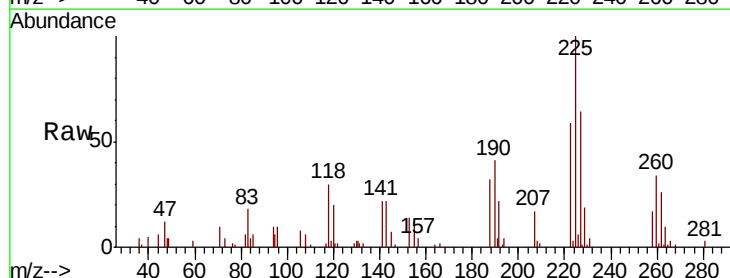


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

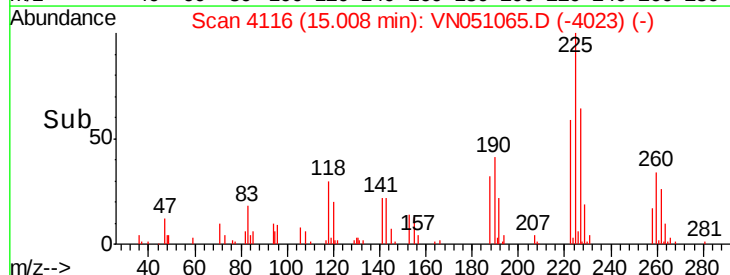
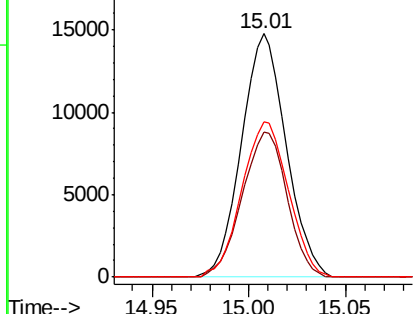


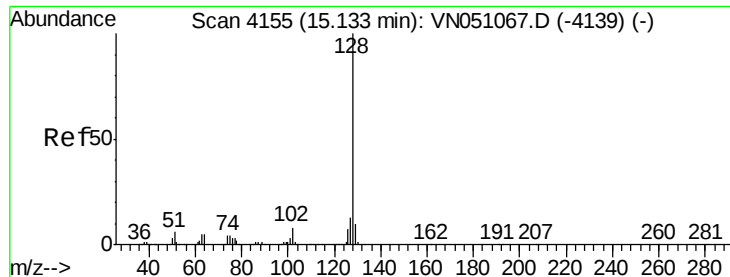
#94
 Hexachlorobutadiene
 Concen: 5.03 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051065.D
 Acq: 10 Sep 2018 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23761		
223	59.6	31.4	94.0	
227	66.1	32.1	96.3	



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





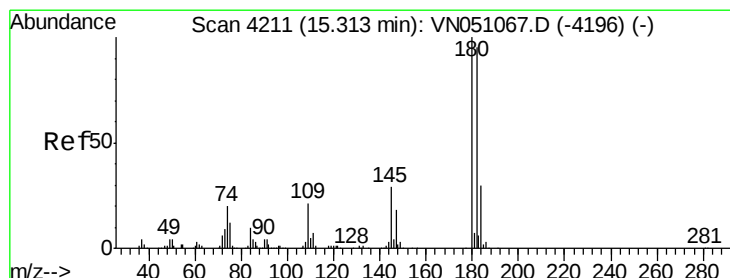
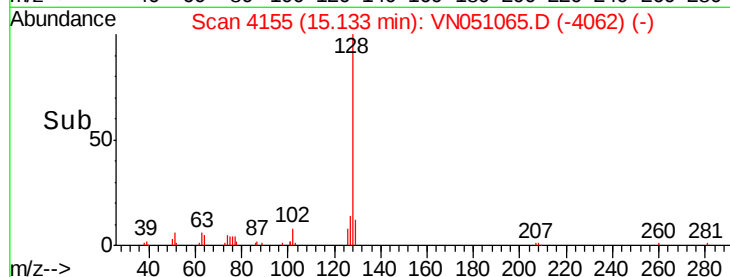
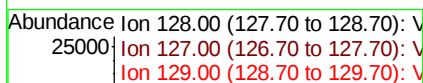
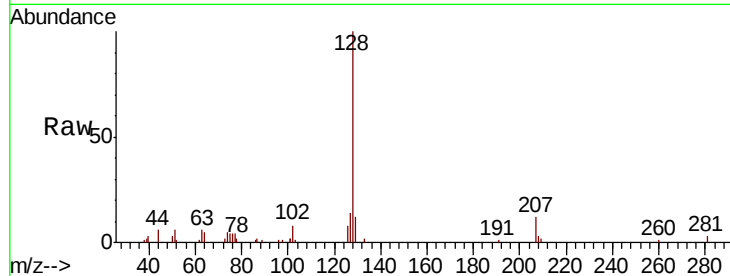
#95
Naphthalene
Concen: 2.68 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		32801		
127	14.1		10.6	15.8	
129	10.8		8.6	12.8	

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#96
1,2,3-Trichlorobenzene
Concen: 3.19 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051065.D
Acq: 10 Sep 2018 8:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		19076		
182	101.7		47.8	143.3	
145	33.4		14.6	43.8	

