

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN072618\
 Data File : VN050100.D
 Acq On : 26 Jul 2018 23:31
 Operator : MD\SY
 Sample : VN0726WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:16:25 PM

Quant Time: Jul 27 04:14:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	439381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455952	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.59	113	396554	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	1463797	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.40	95	480474	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187785	20.45	ug/l	97
3) Chloromethane	2.06	50	182426	18.28	ug/l	99
4) Vinyl Chloride	2.18	62	194766	18.53	ug/l	98
5) Bromomethane	2.56	94	77271	12.48	ug/l	99
6) Chloroethane	2.70	64	118021	18.69	ug/l	99
7) Trichlorofluoromethane	3.01	101	258364	18.97	ug/l	97
8) Diethyl Ether	3.41	74	91241	20.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	153711	18.77	ug/l	100
10) Methyl Iodide	3.95	142	100556	9.57	ug/l	99
11) Tert butyl alcohol	4.80	59	64252	97.93	ug/l	97
12) 1,1-Dichloroethene	3.73	96	141133	19.16	ug/l	97
13) Acrolein	3.61	56	28177	53.45	ug/l	100
14) Allyl chloride	4.32	41	219180	19.19	ug/l	99
15) Acrylonitrile	5.00	53	278018	97.12	ug/l	99
16) Acetone	3.82	43	211472	98.04	ug/l	99
17) Carbon Disulfide	4.05	76	403854	17.90	ug/l	100
18) Methyl Acetate	4.33	43	185345	21.77	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	402867	20.52	ug/l	100
20) Methylene Chloride	4.55	84	165270	20.15	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	150967	19.34	ug/l	99
22) Diisopropyl ether	5.96	45	479180	21.16	ug/l	99
23) Vinyl Acetate	5.90	43	1592960	99.53	ug/l	98
24) 1,1-Dichloroethane	5.85	63	288976	19.51	ug/l	99
25) 2-Butanone	6.84	43	333935	98.18	ug/l	99
26) 2,2-Dichloropropane	6.82	77	173323	15.38	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	169974	20.23	ug/l	98
28) Bromochloromethane	7.20	49	131462	19.46	ug/l	100
29) Tetrahydrofuran	7.22	42	215770	98.17	ug/l	99
30) Chloroform	7.37	83	294971	19.52	ug/l	98
31) Cyclohexane	7.65	56	238784	19.40	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	250436	19.37	ug/l	99
36) 1,1-Dichloropropene	7.80	75	211445	18.78	ug/l	99
37) Ethyl Acetate	6.94	43	147476	18.79	ug/l	100
38) Carbon Tetrachloride	7.78	117	219764	18.39	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	212100	18.31	ug/l	98
40) Benzene	8.04	78	656102	19.15	ug/l	100
41) Methacrylonitrile	7.18	41	73590	19.76	ug/l	88
42) 1,2-Dichloroethane	8.13	62	212925	18.63	ug/l	99
43) Isopropyl Acetate	8.17	43	306262	20.02	ug/l #	92
44) Trichloroethene	8.84	130	172728	18.76	ug/l	97
45) 1,2-Dichloropropane	9.12	63	173014	19.06	ug/l	98
46) Dibromomethane	9.21	93	107067	19.00	ug/l	99
47) Bromodichloromethane	9.40	83	222142	18.68	ug/l	99
48) Methyl methacrylate	9.20	41	131605	19.47	ug/l	98
49) 1,4-Dioxane	9.20	88	35233	382.93	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	757851	98.20	ug/l	99
52) Toluene	10.16	92	398449	19.70	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	208435	18.57	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	239741	18.69	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	153226	19.10	ug/l	98
56) Ethyl methacrylate	10.43	69	186207	18.47	ug/l	100
57) 1,3-Dichloropropane	10.71	76	250432	19.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	437442	91.75	ug/l	100
59) 2-Hexanone	10.76	43	494412	90.56	ug/l	99
60) Dibromochloromethane	10.90	129	167878	18.90	ug/l	99
61) 1,2-Dibromoethane	11.01	107	149373	18.77	ug/l	98
64) Tetrachloroethene	10.63	164	165787	19.51	ug/l	99
65) Chlorobenzene	11.44	112	429079	19.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	163647	19.07	ug/l	99
67) Ethyl Benzene	11.51	91	715097	19.94	ug/l	99
68) m/p-Xylenes	11.63	106	553606	40.80	ug/l	100
69) o-Xylene	11.95	106	267939	20.72	ug/l	98
70) Styrene	11.97	104	419013	18.80	ug/l	99
71) Bromoform	12.13	173	117009	18.75	ug/l #	100
73) Isopropylbenzene	12.25	105	707572	20.76	ug/l	100
74) N-amyl acetate	12.07	43	201261	19.32	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	196935	20.60	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	167806m	20.55	ug/l	
77) Bromobenzene	12.53	156	182751	19.35	ug/l	100
78) n-propylbenzene	12.59	91	796855	20.92	ug/l	99
79) 2-Chlorotoluene	12.68	91	491478	20.82	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	573790	21.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45324	17.61	ug/l	95
82) 4-Chlorotoluene	12.78	91	482684	20.65	ug/l	99
83) tert-Butylbenzene	13.00	119	492603	21.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	590668	21.86	ug/l	98
85) sec-Butylbenzene	13.17	105	660093	21.12	ug/l	99
86) p-Isopropyltoluene	13.29	119	560874	21.30	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	309771	19.35	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	301396	19.31	ug/l	99
89) n-Butylbenzene	13.62	91	426965	19.72	ug/l	100
90) Hexachloroethane	13.88	117	104629	17.89	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	317493	19.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30497	19.59	ug/l	98

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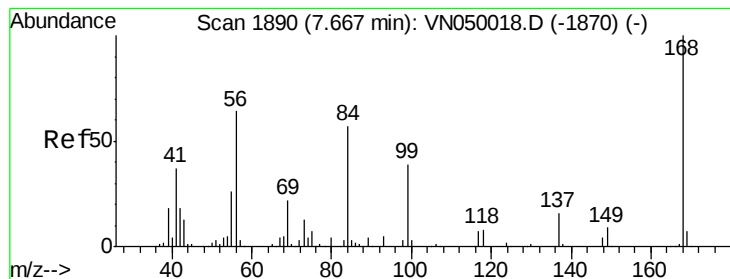
Manual Integrations
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7/27/2018 12:16:25 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136732	18.20	ug/l	97
94) Hexachlorobutadiene	15.01	225	92135	18.80	ug/l	100
95) Naphthalene	15.14	128	307621	18.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	146676	19.17	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion:168 Resp: 639127

Ion Ratio Lower Upper

168 100

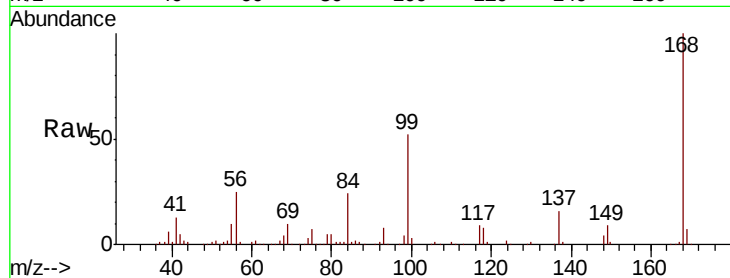
99 51.8 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

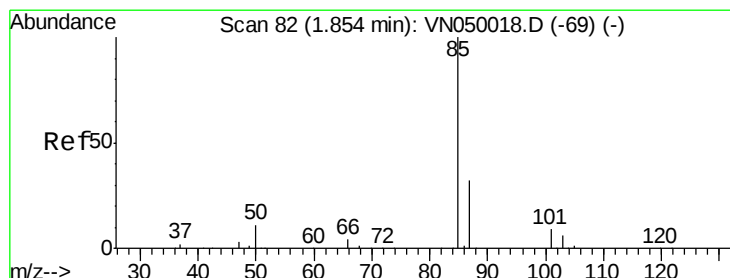
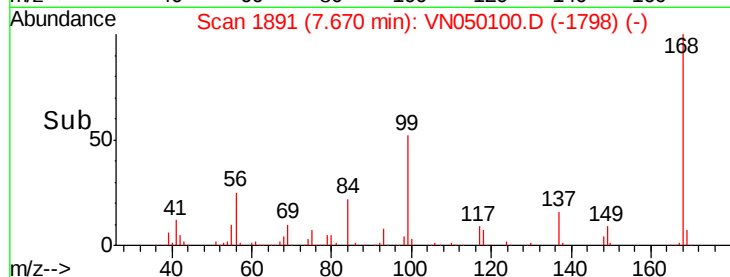
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.45 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050100.D

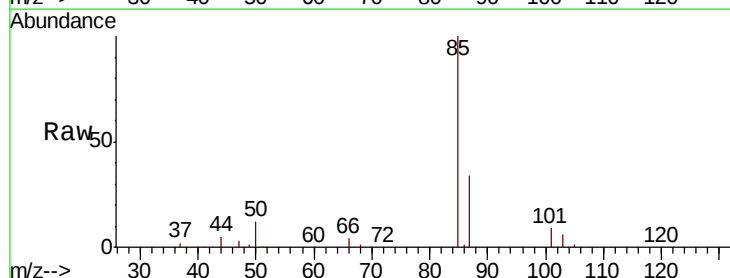
Acq: 26 Jul 2018 23:31

Tgt Ion: 85 Resp: 187785

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

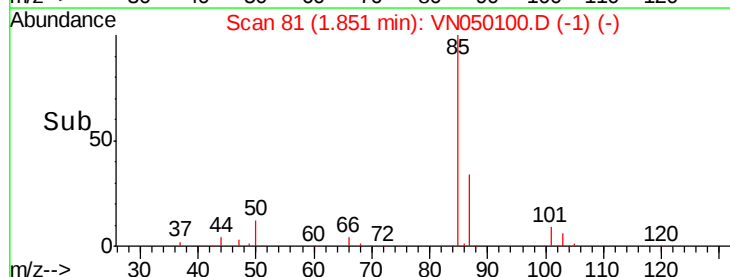
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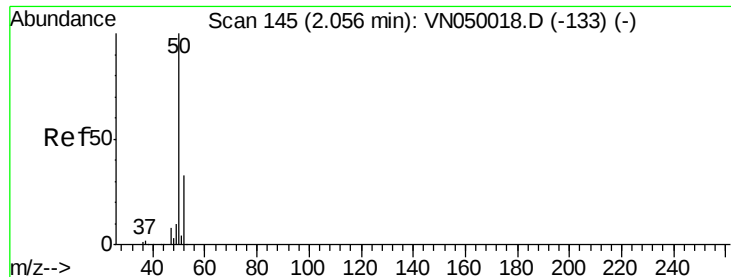
100000

50000

0

Time-->





#3

Chloromethane

Concen: 18.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion: 50 Resp: 182426

Ion Ratio Lower Upper

50 100

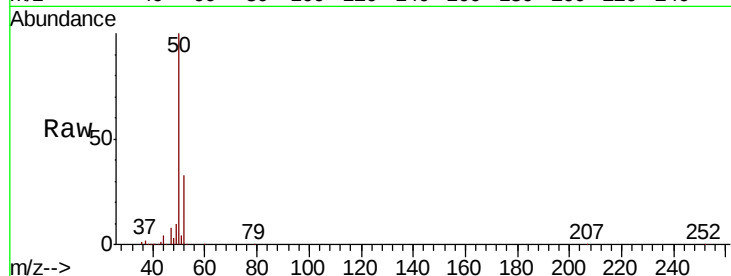
52 32.9 25.9 38.9

Manual Integrations

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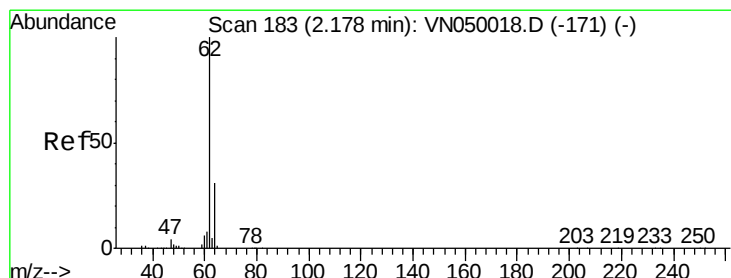
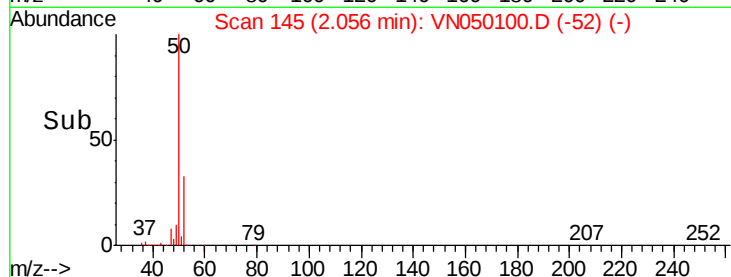
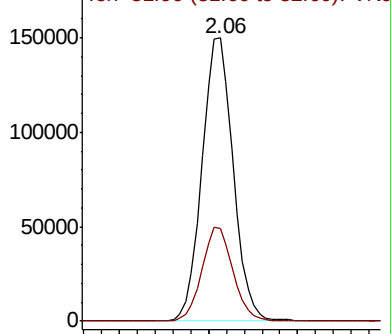
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.53 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050100.D

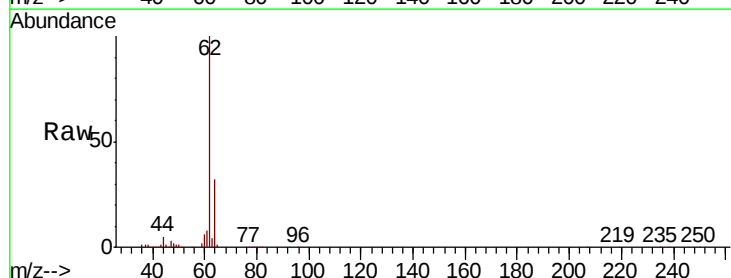
Acq: 26 Jul 2018 23:31

Tgt Ion: 62 Resp: 194766

Ion Ratio Lower Upper

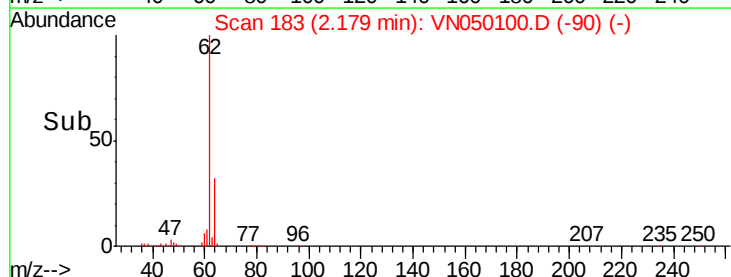
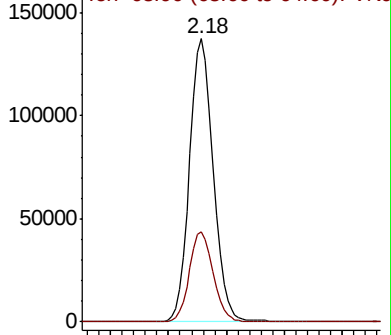
62 100

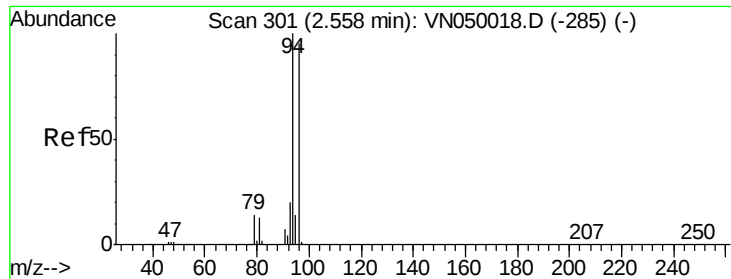
64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 12.48 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion: 94 Resp: 77271

Ion Ratio Lower Upper

94 100

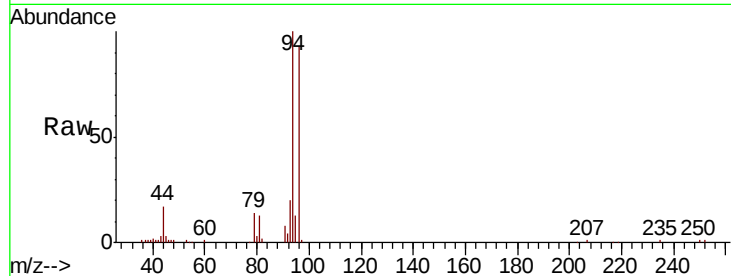
96 92.6 74.6 112.0

Manual Integrations

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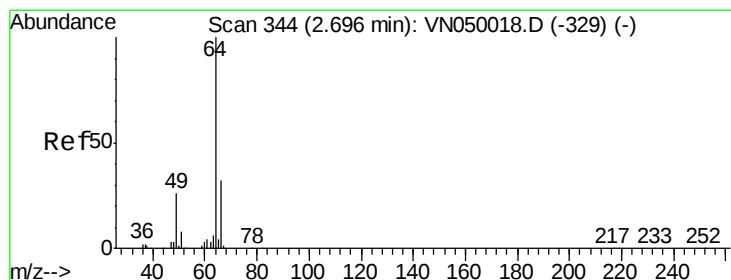
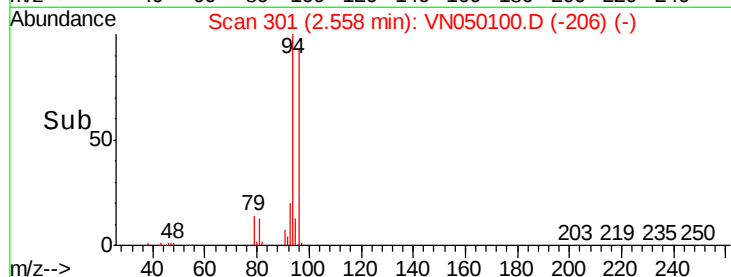
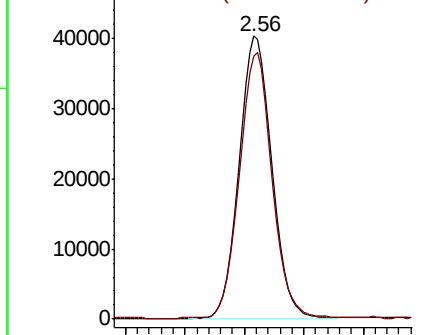
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.69 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050100.D

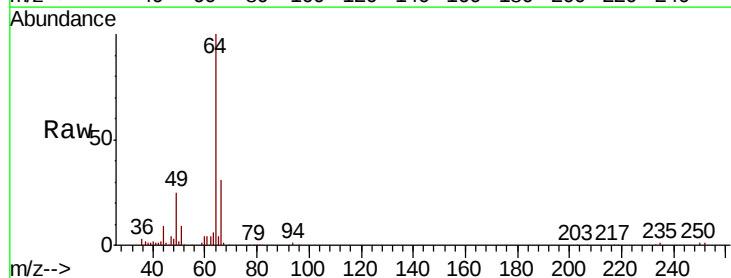
Acq: 26 Jul 2018 23:31

Tgt Ion: 64 Resp: 118021

Ion Ratio Lower Upper

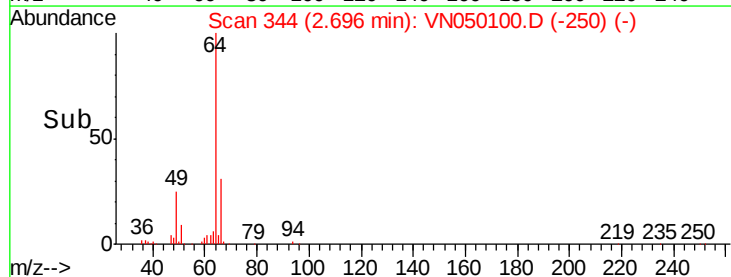
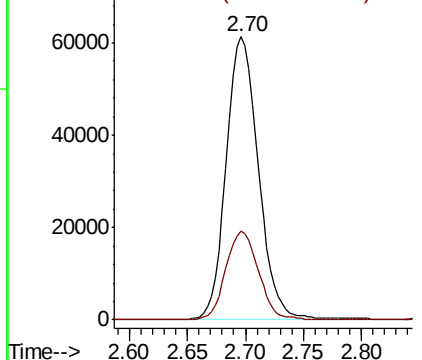
64 100

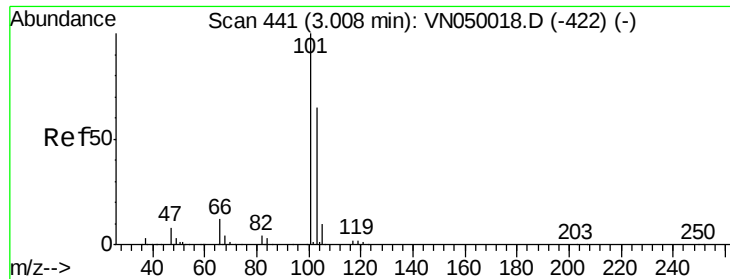
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

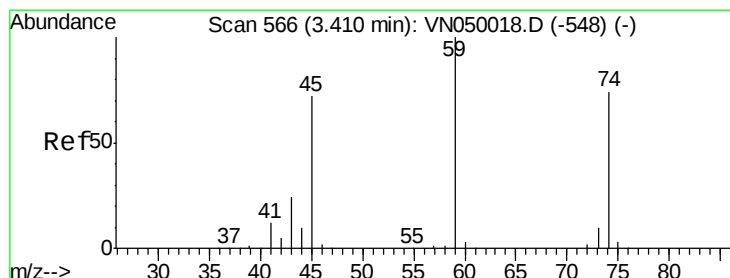
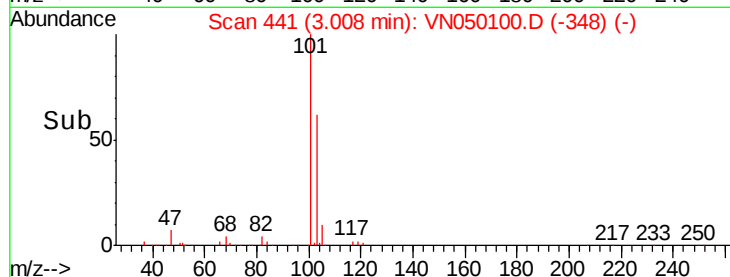
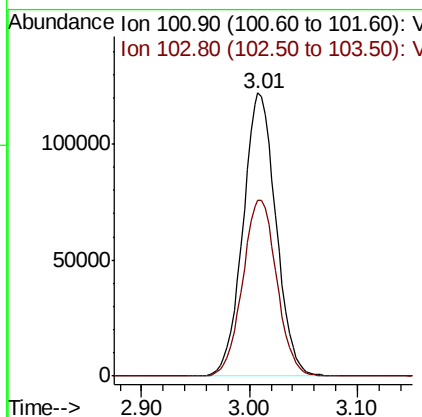
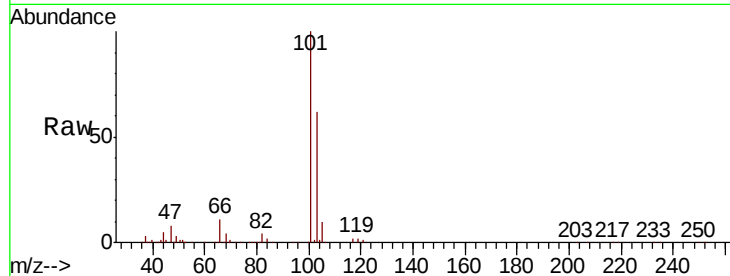
Trichlorofluoromethane
Concen: 18.97 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.7	77.5

Manual Integrations
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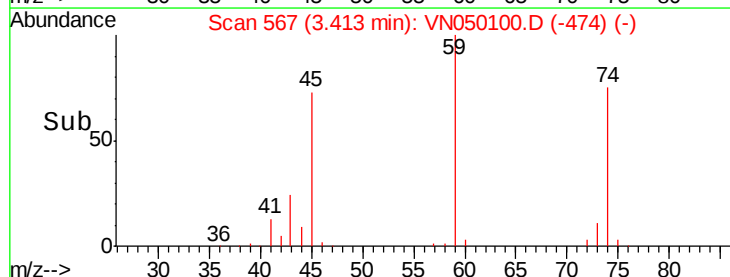
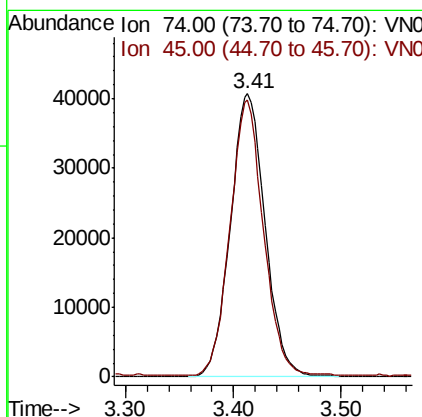
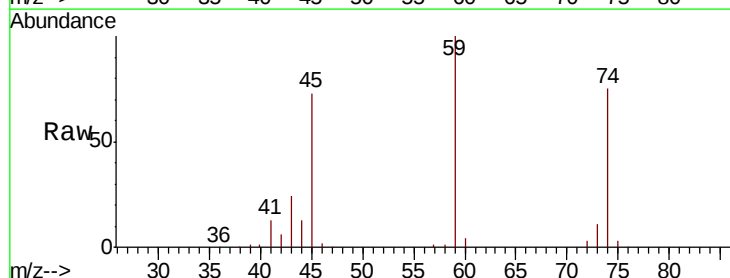
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7/27/2018 12:16:25 PM

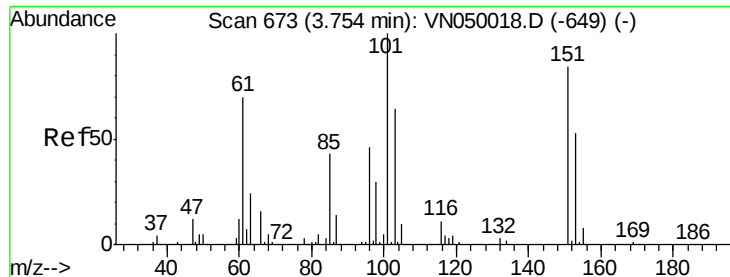


#8

Diethyl Ether
Concen: 20.10 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.77 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

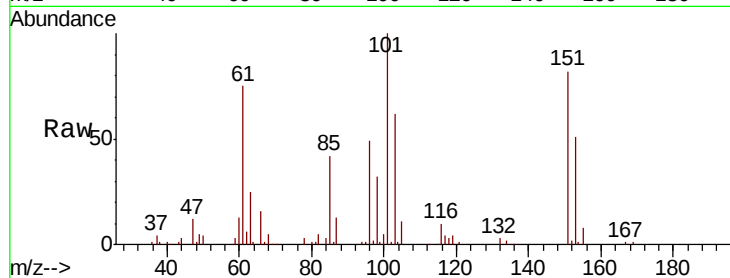
ClientSampleId :

VN0726WBS02

Tot Ion:	101	Resp:	153711
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	83.5	66.3	99.5

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7/27/2018 12:16:25 PM

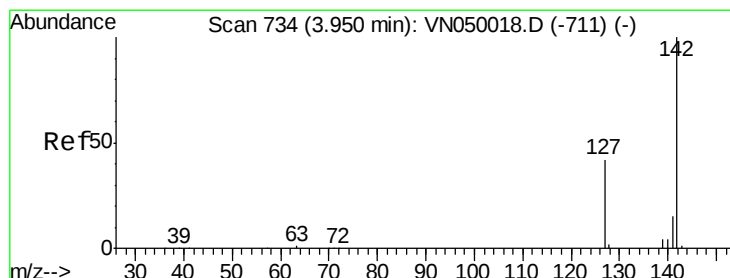
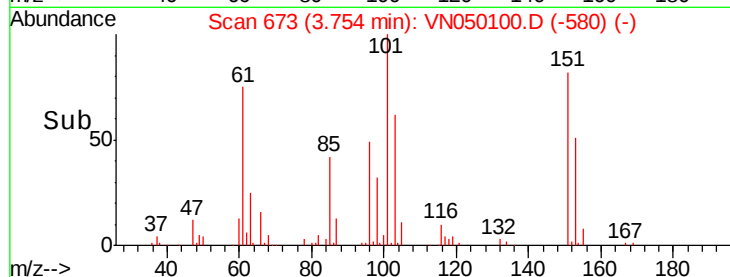
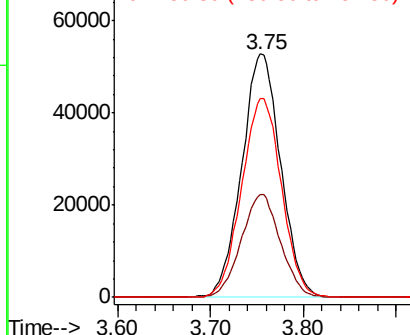


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.57 ug/l

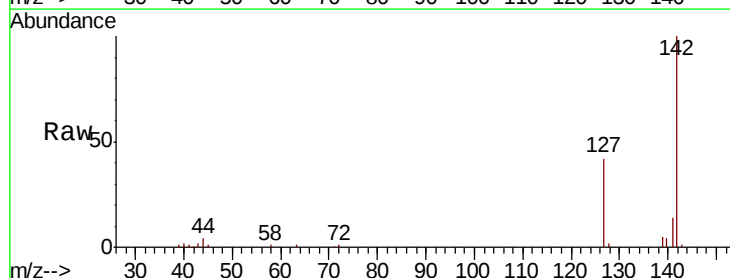
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion:	142	Resp:	100556
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.4	50.2
141	14.2	11.6	17.4

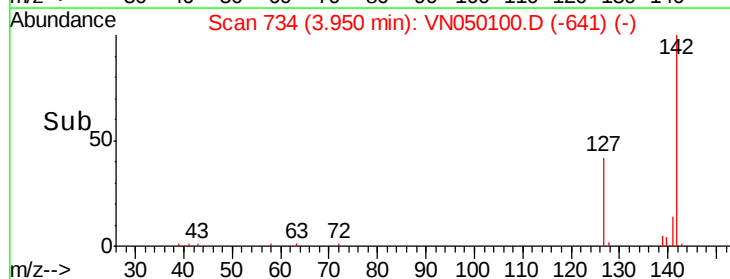
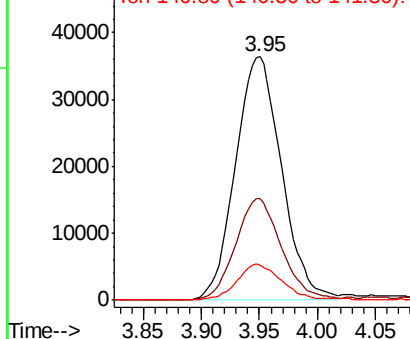


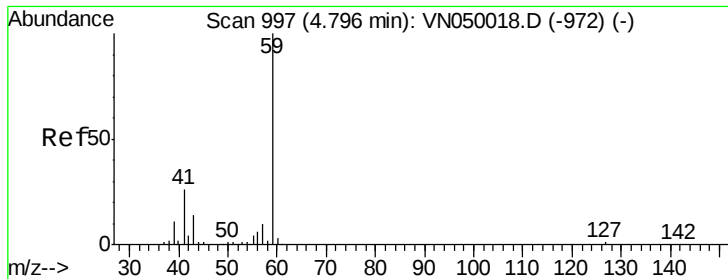
Abundance

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

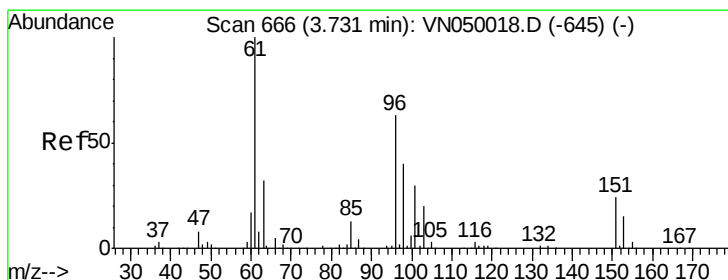
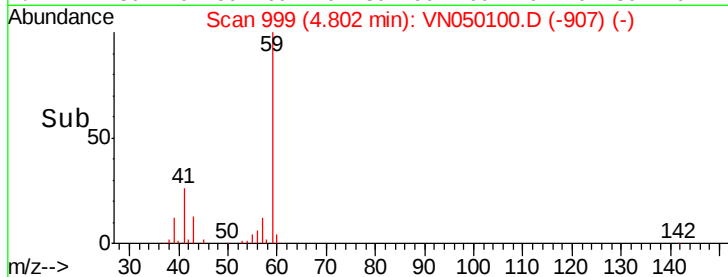
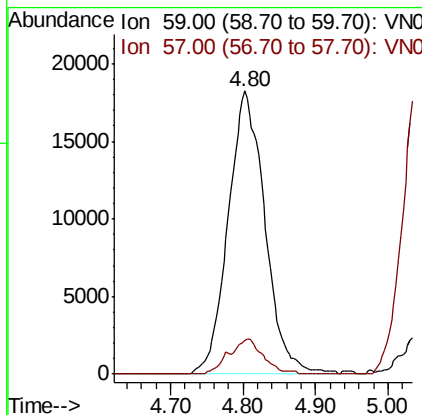
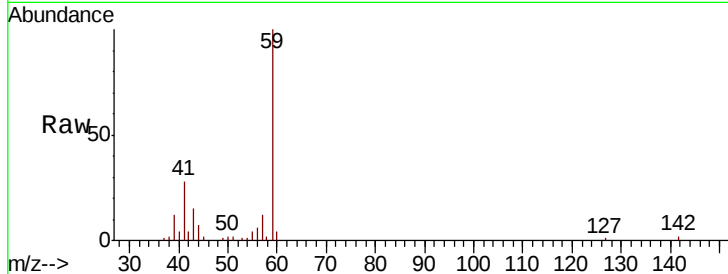
Tert butyl alcohol
 Concen: 97.93 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	59.00	Resp	64252
Ion Ratio	100	Lower	Upper
59	100		
57	11.7	8.5	12.7

Manual Integrations
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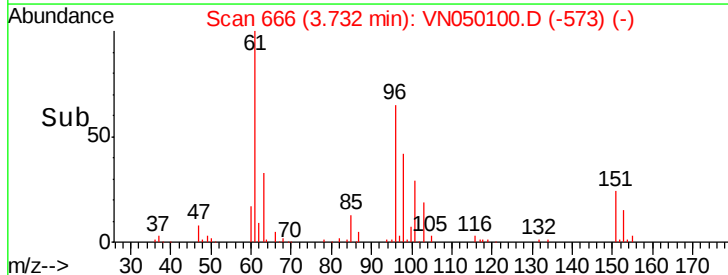
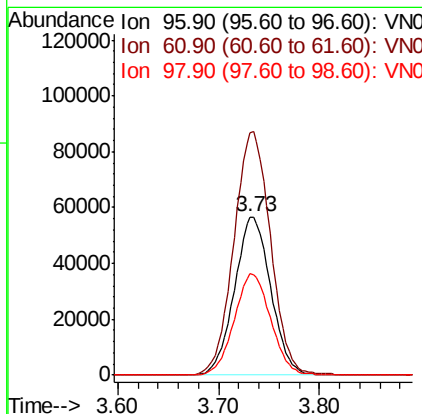
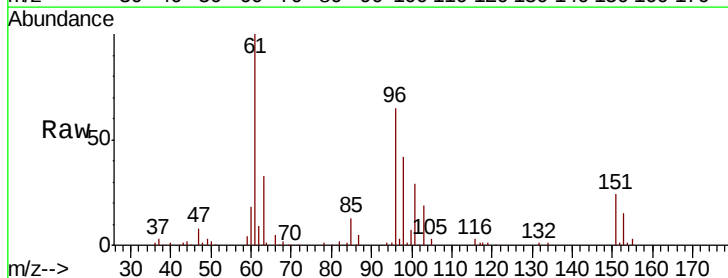
MMDadoda
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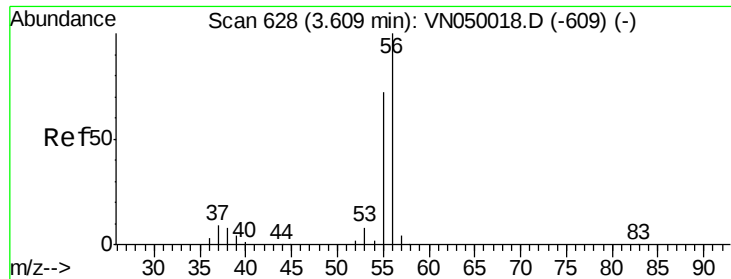


#12

1,1-Dichloroethene
 Concen: 19.16 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	96	Resp	141133
Ion Ratio	100	Lower	Upper
96	100		
61	153.2	124.4	186.6
98	63.8	48.3	72.5





#13

Acrolein

Concen: 53.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS02

Tot Ion: 56 Resp: 28177

Ion Ratio Lower Upper

56 100

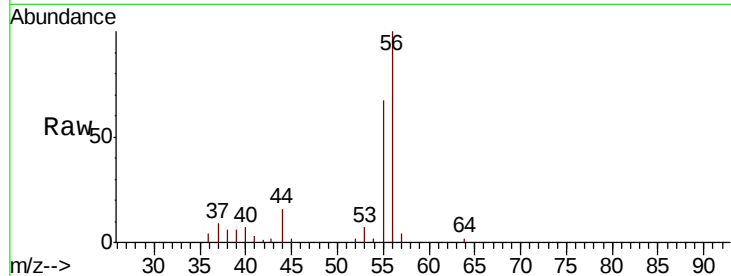
55 70.0 55.8 83.6

Manual Integrations

APPROVED

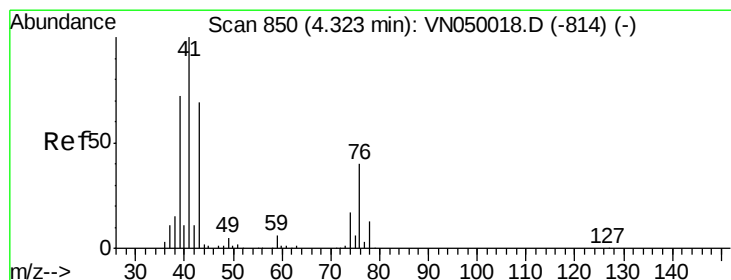
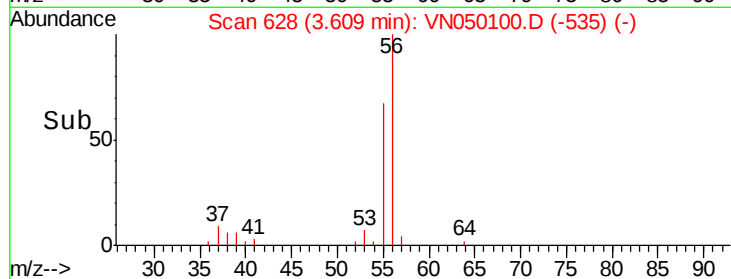
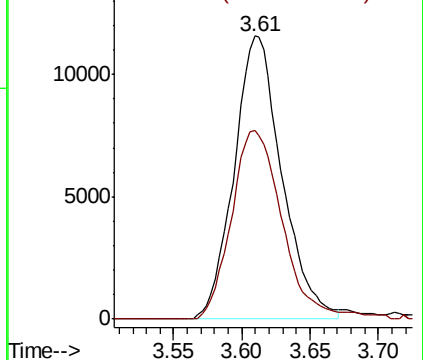
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.19 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

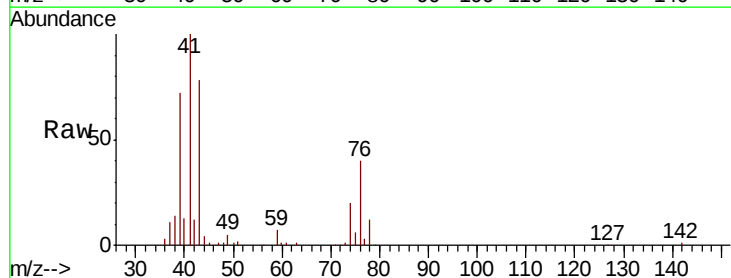
Tgt Ion: 41 Resp: 219180

Ion Ratio Lower Upper

41 100

39 67.8 54.2 81.4

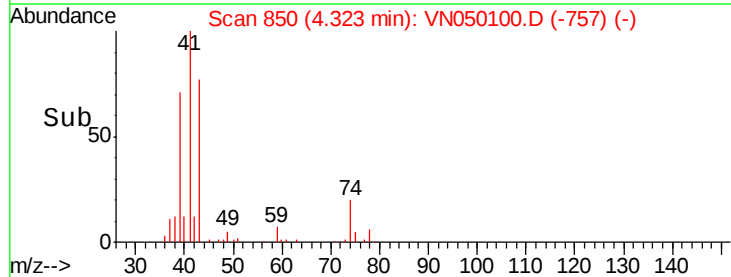
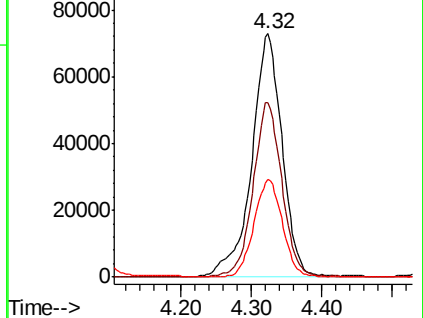
76 37.5 29.0 43.6

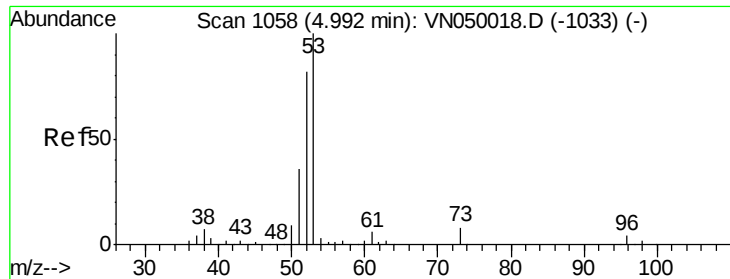


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.12 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

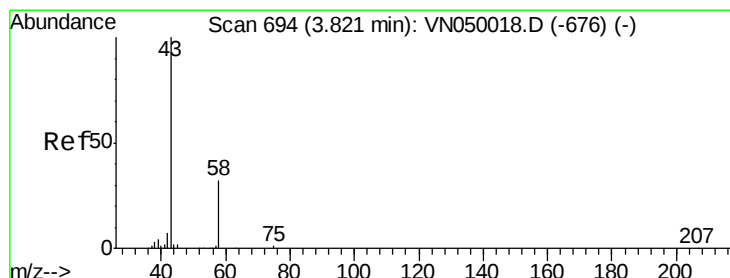
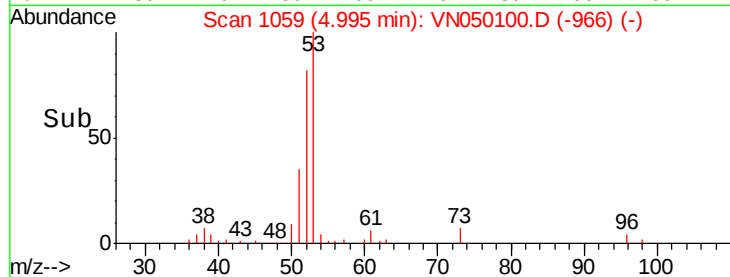
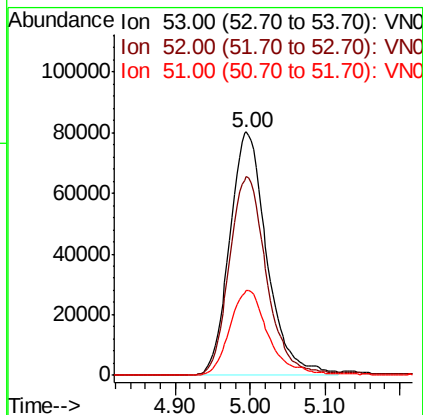
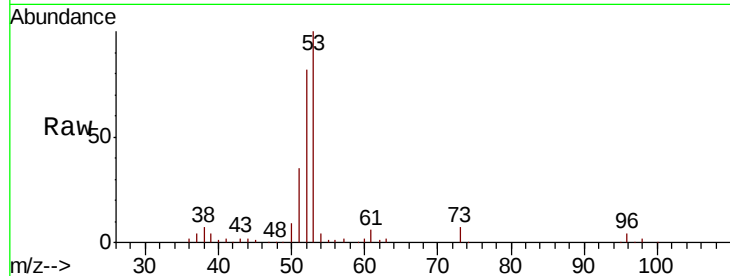
ClientSampleId :

VN0726WBS02

Tot Ion:	53	Resp:	278018
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 98.04 ug/l

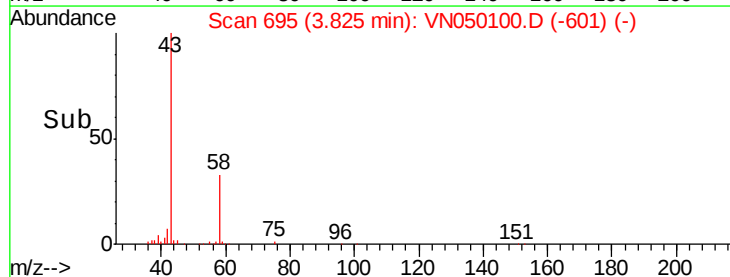
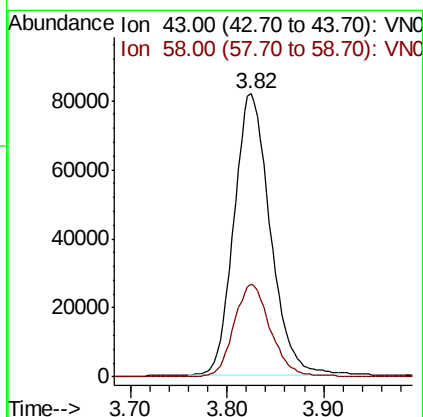
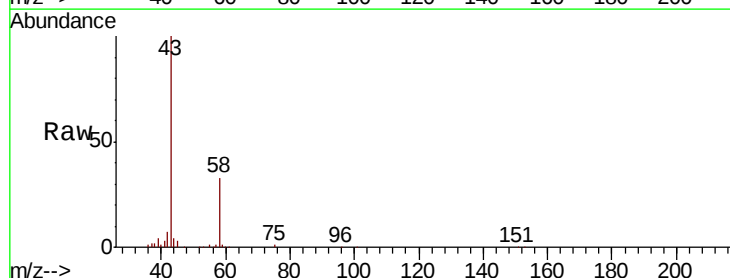
RT: 3.82 min Scan# 695

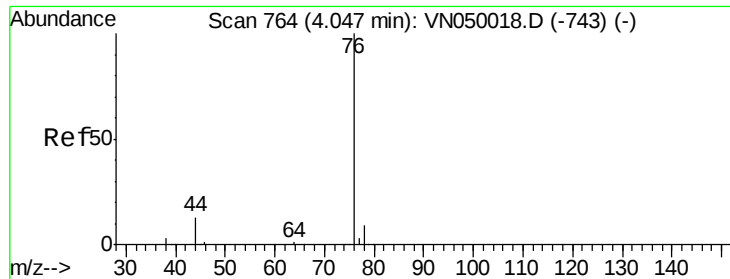
Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion:	43	Resp:	211472
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.8	38.8





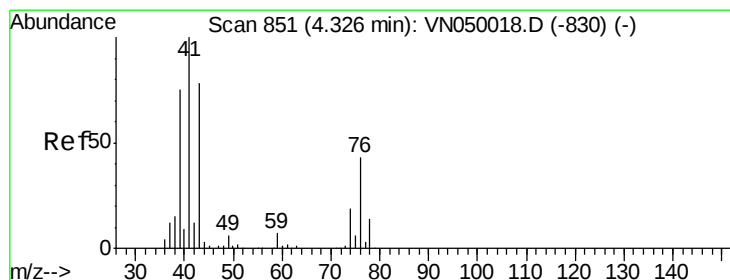
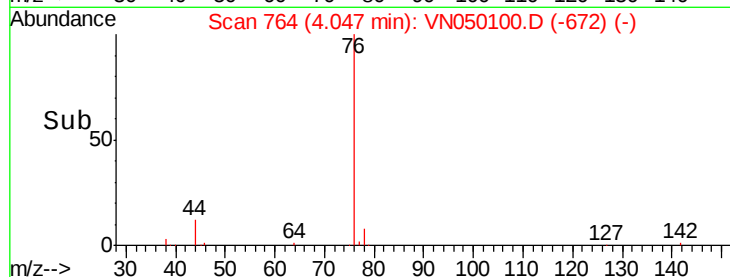
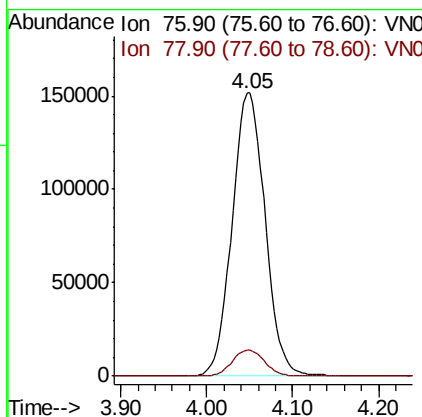
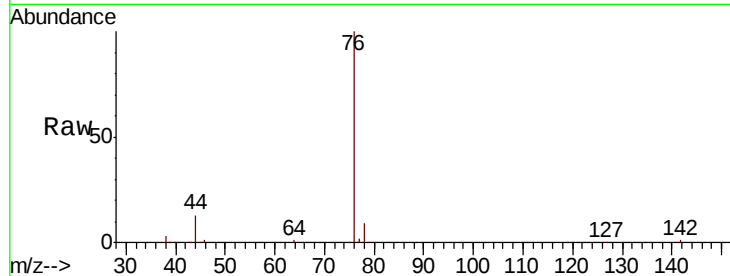
#17
Carbon Disulfide
Concen: 17.90 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

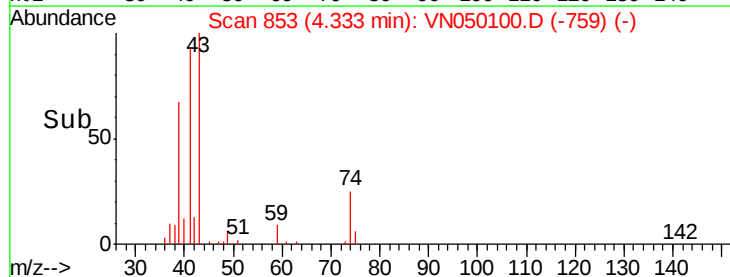
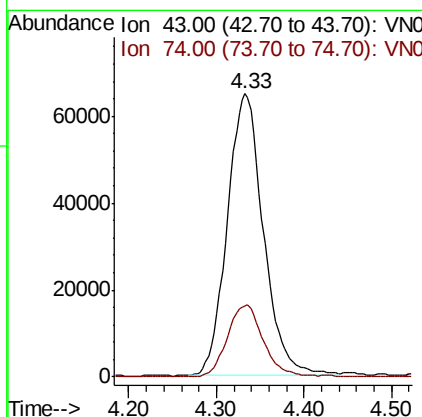
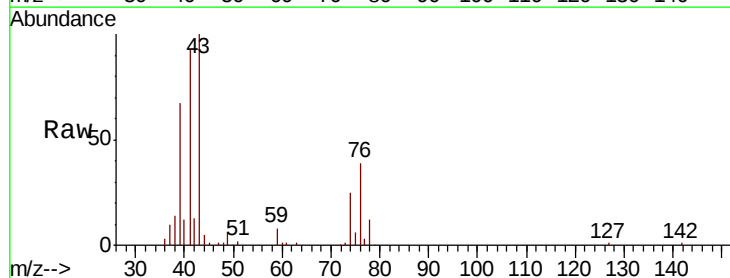
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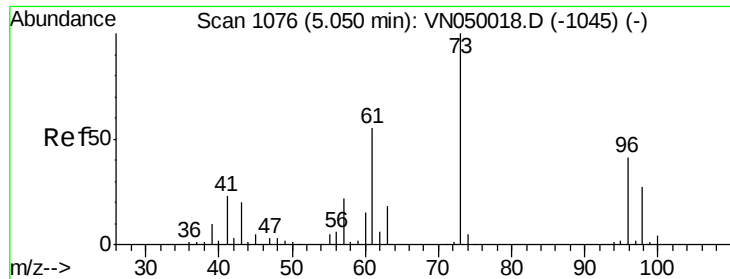
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#18
Methyl Acetate
Concen: 21.77 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.2	28.8





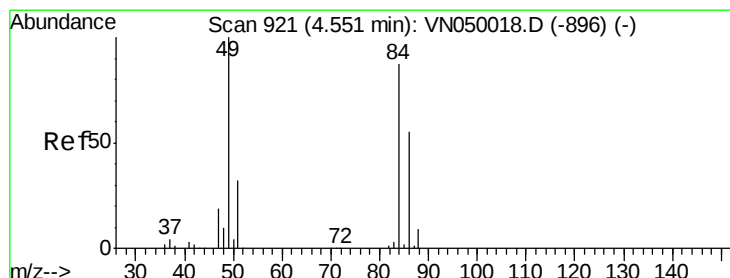
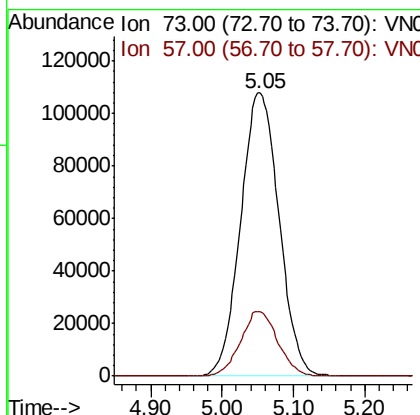
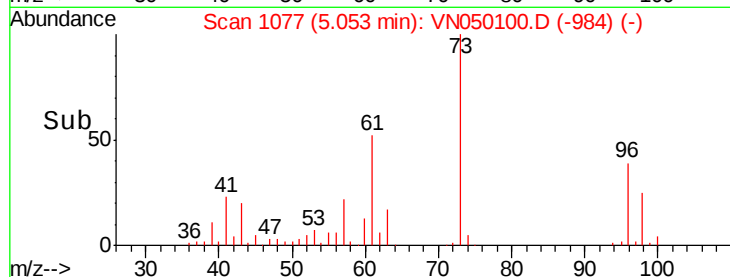
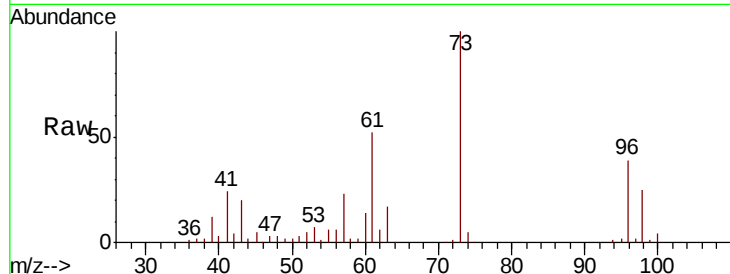
#19
Methyl tert-butyl Ether
Concen: 20.52 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion: 73 Resp: 402867
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

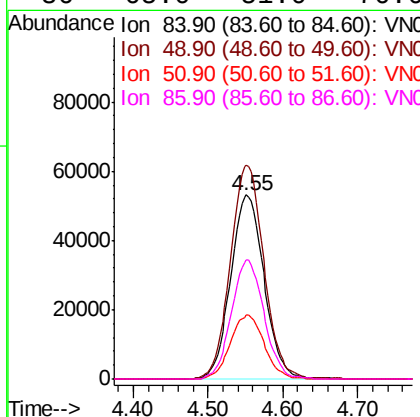
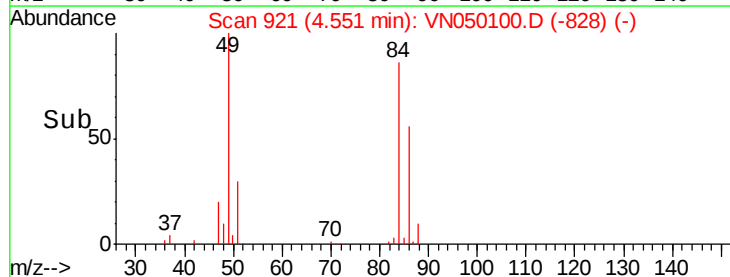
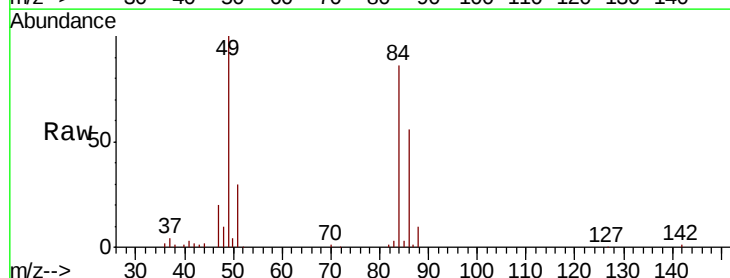
Manual Integrations
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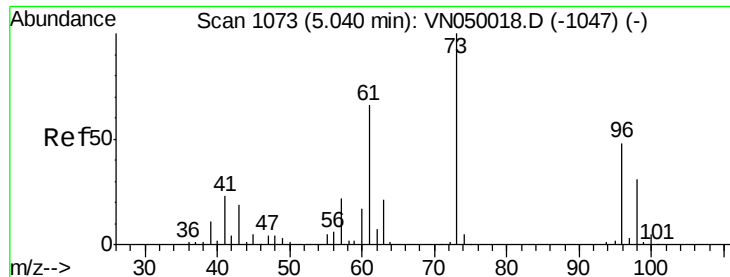
MMDadoda
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#20
Methylene Chloride
Concen: 20.15 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion: 84 Resp: 165270
Ion Ratio Lower Upper
84 100
49 116.2 94.8 142.2
51 34.7 28.3 42.5
86 65.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.34 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion: 96 Resp: 150967

Ion Ratio Lower Upper

96 100

61 137.2 110.7 166.1

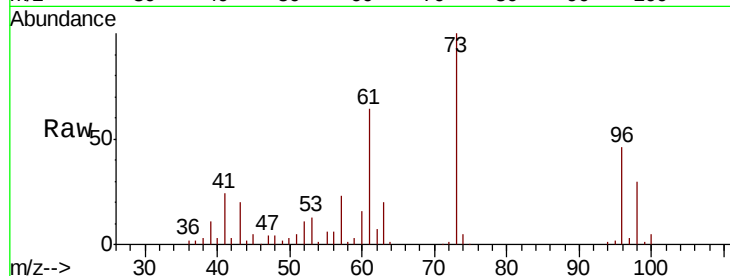
98 63.8 51.6 77.4

Manual Integrations

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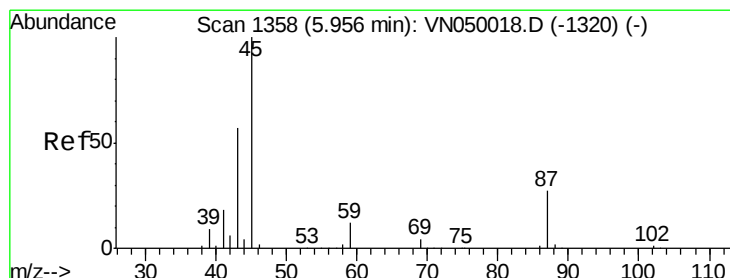
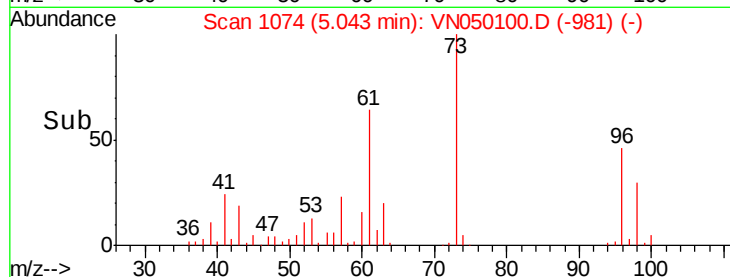
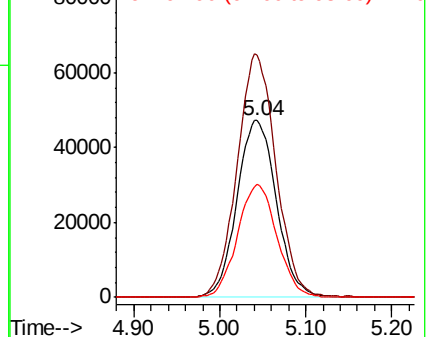


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.16 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion: 45 Resp: 479180

Ion Ratio Lower Upper

45 100

43 57.8 45.7 68.5

87 28.6 22.7 34.1

59 12.4 9.5 14.3

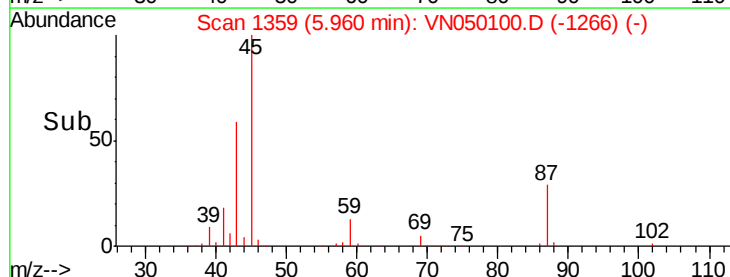
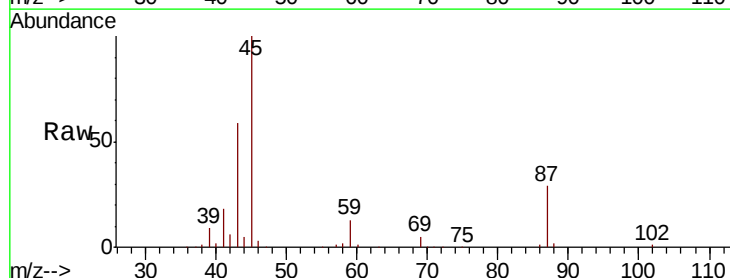
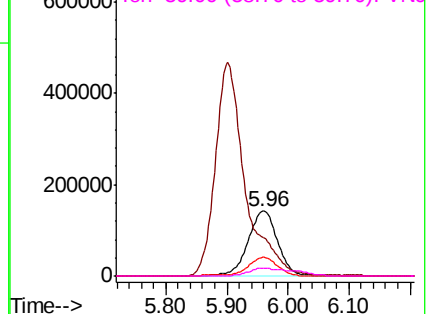
Abundance

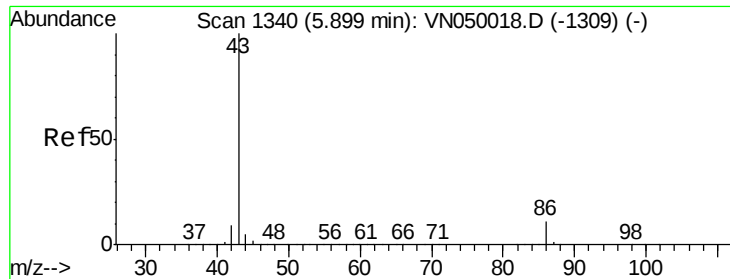
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





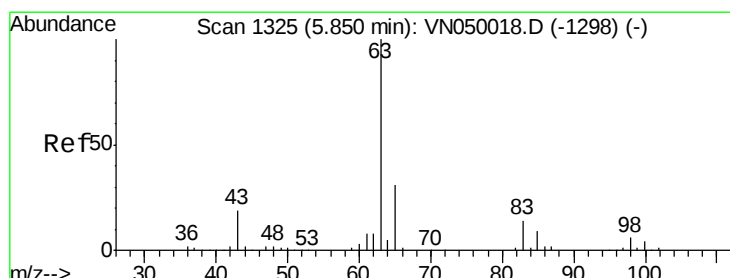
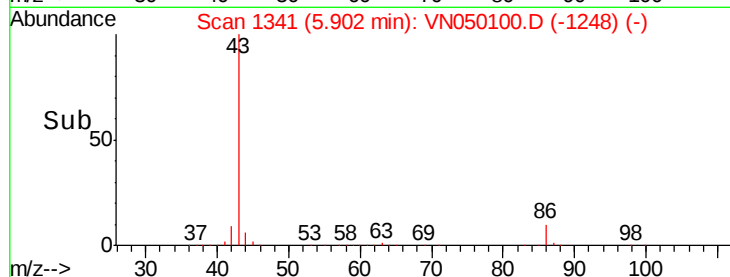
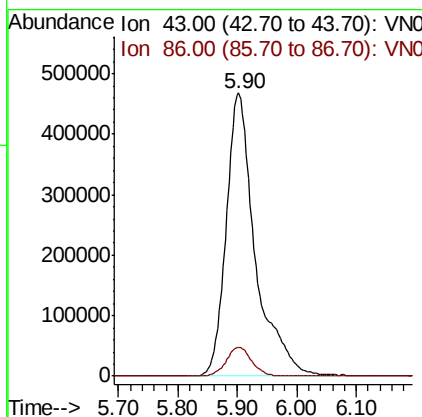
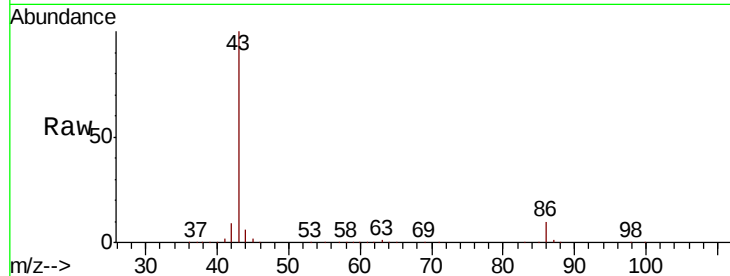
#23
 Vinyl Acetate
 Concen: 99.53 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS02

Tot Ion: 43 Resp: 1592960
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.6 13.0

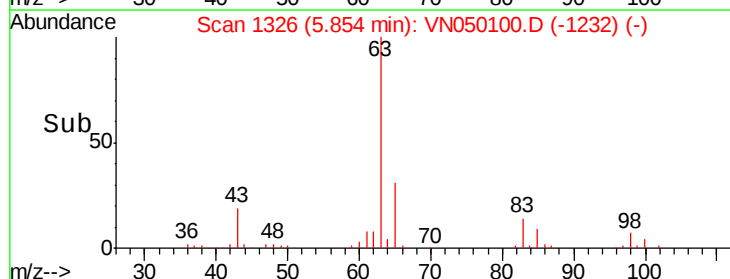
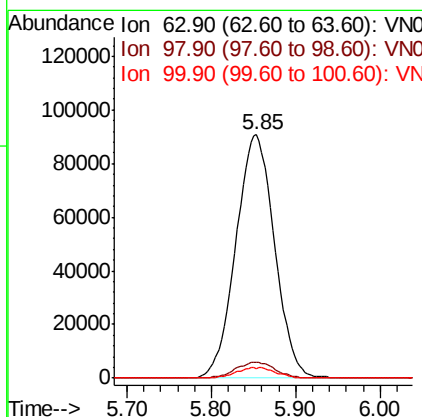
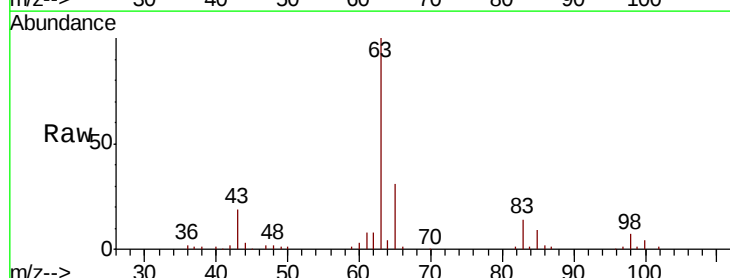
Manual Integrations
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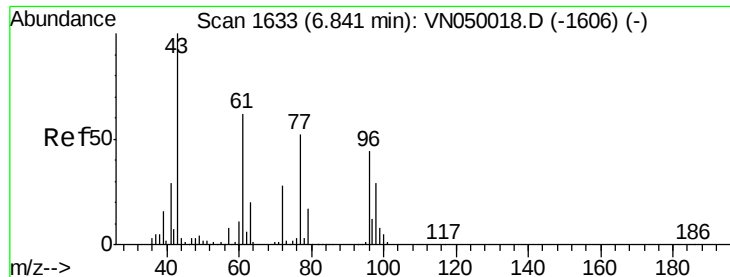
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#24
 1,1-Dichloroethane
 Concen: 19.51 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion: 63 Resp: 288976
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.0 2.1 6.3





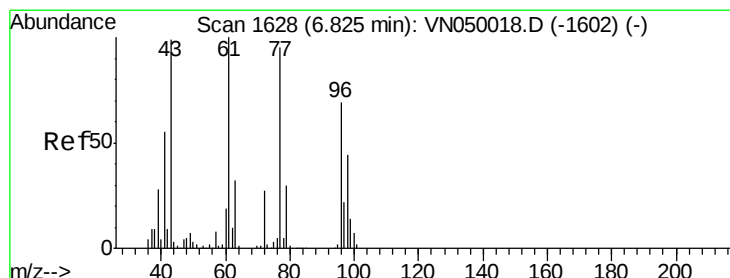
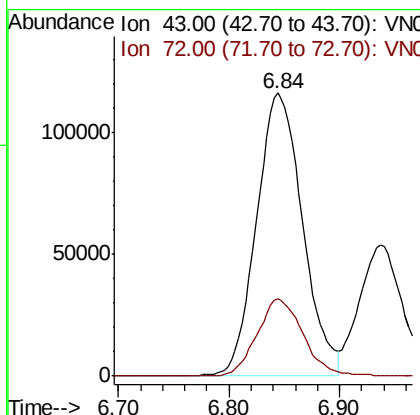
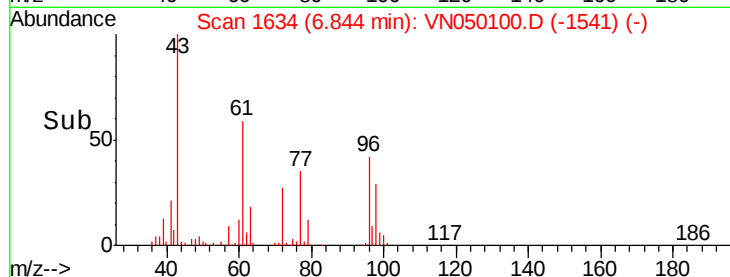
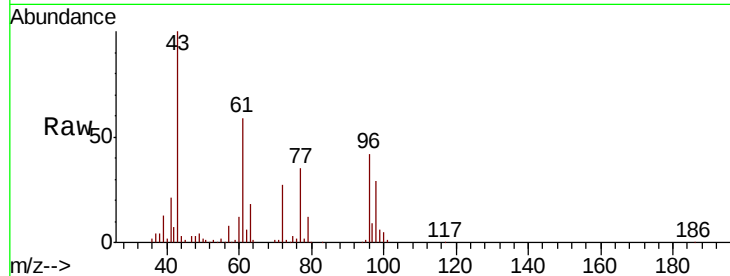
#25
2-Butanone
Concen: 98.18 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS02

Tot Ion: 43 Resp: 333935
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3

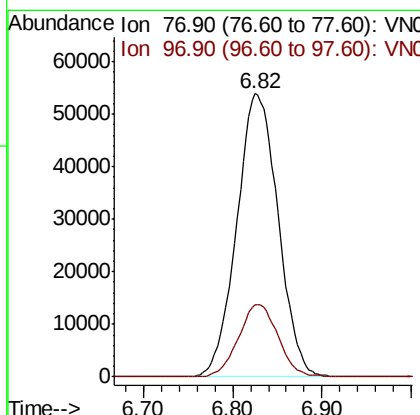
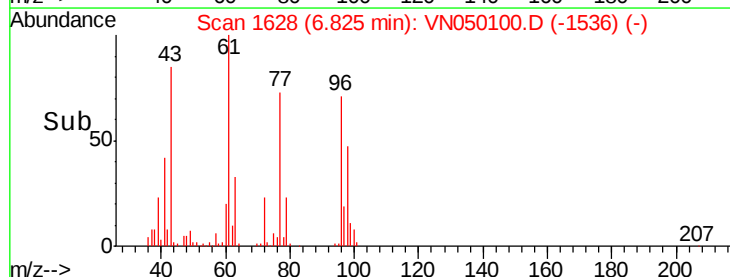
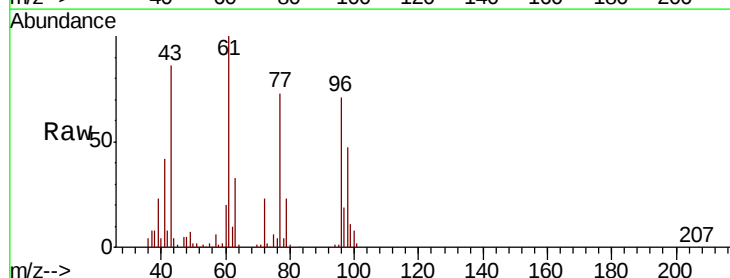
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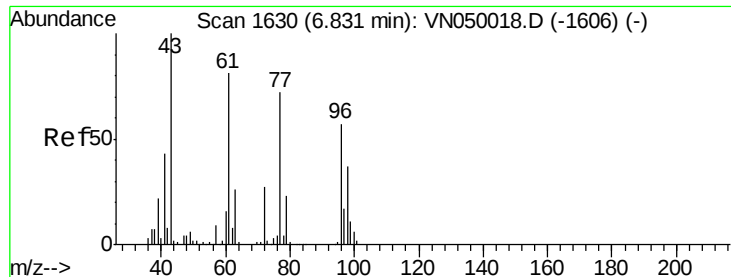
MMDadoda
7/27/2018 12:16:25 PM



#26
2,2-Dichloropropane
Concen: 15.38 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion: 77 Resp: 173323
Ion Ratio Lower Upper
77 100
97 24.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.23 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

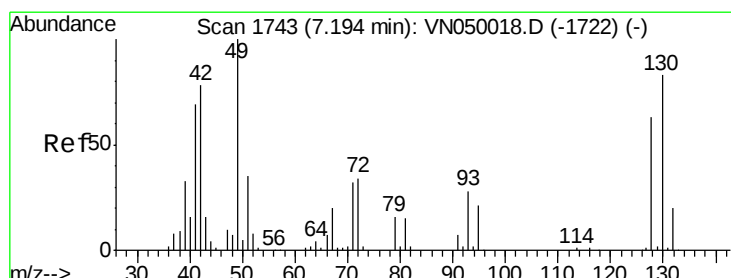
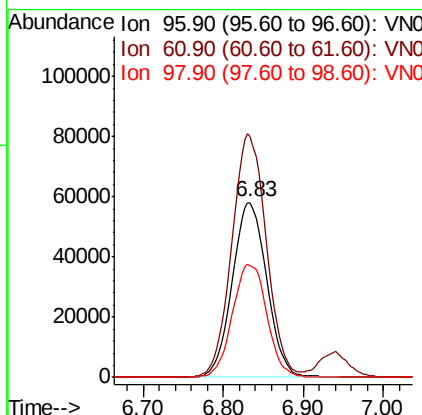
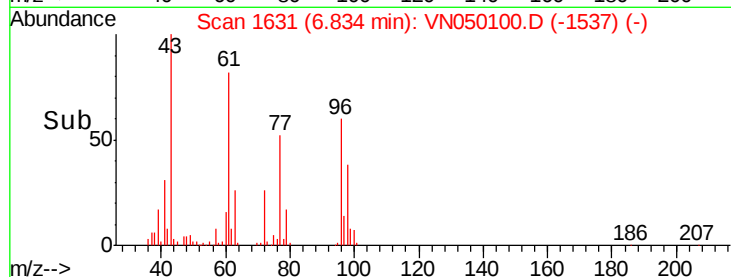
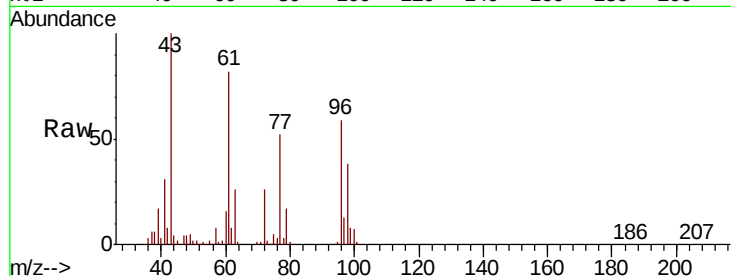
ClientSampled :

VN0726WBS02

Tot Ion:	96	Resp:	169974
Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	285.0
98	64.4	0.0	129.2

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7/27/2018 12:16:25 PM



#28

Bromochloromethane

Concen: 19.46 ug/l

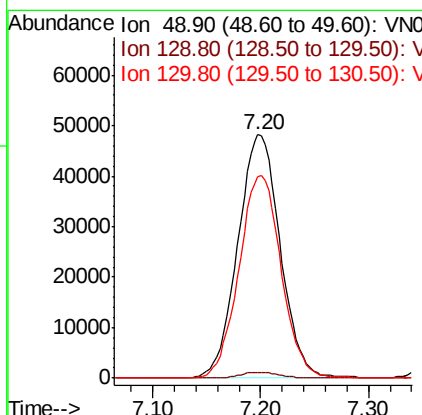
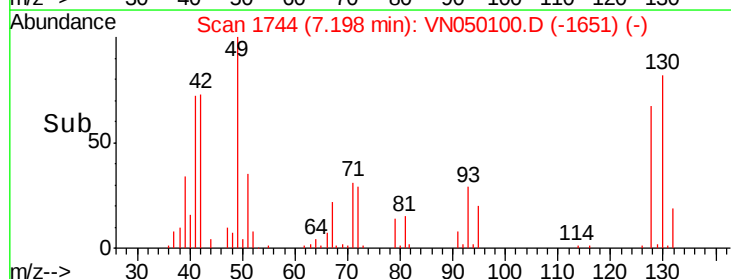
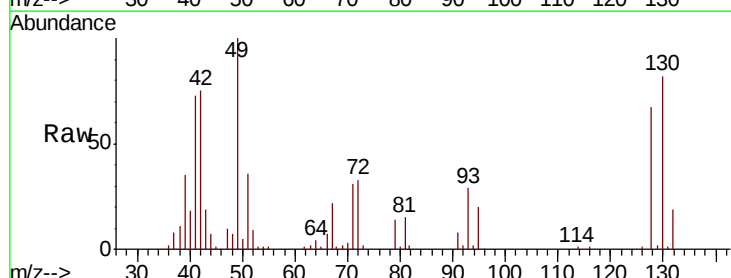
RT: 7.20 min Scan# 1744

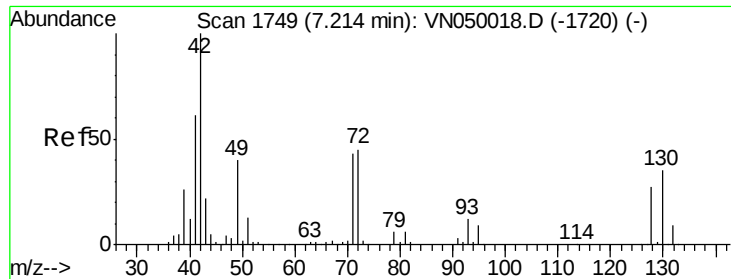
Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion:	49	Resp:	131462
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.0	66.3	99.5





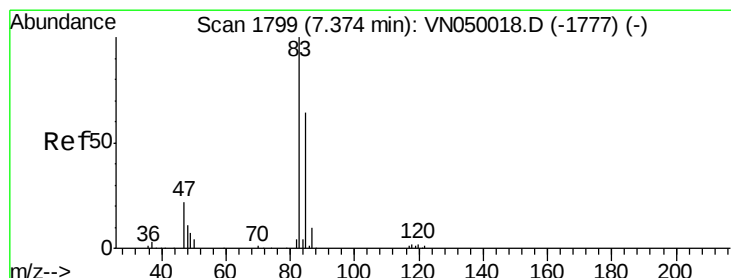
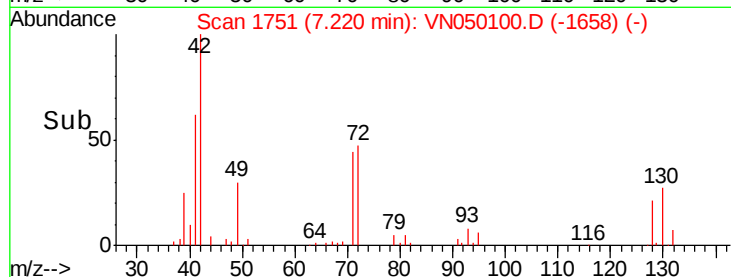
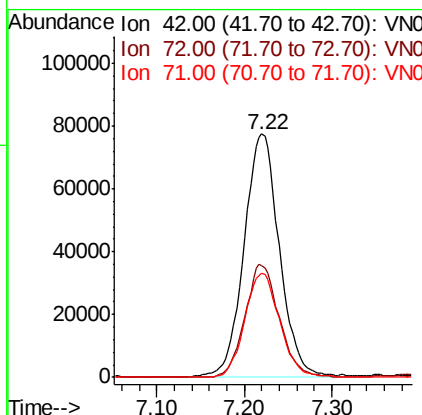
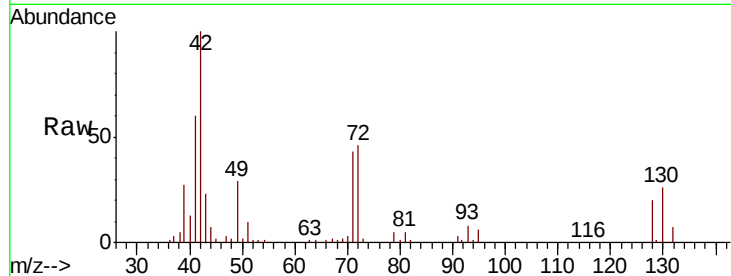
#29
Tetrahydrofuran
Concen: 98.17 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	42.7	33.7	50.5

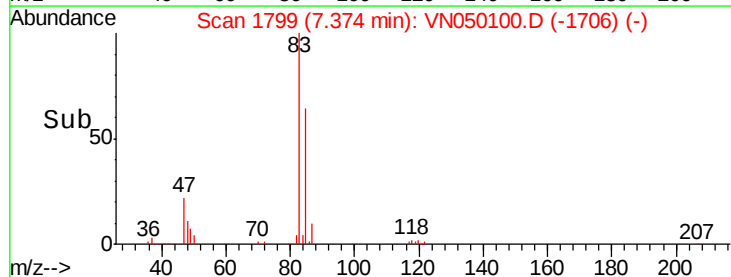
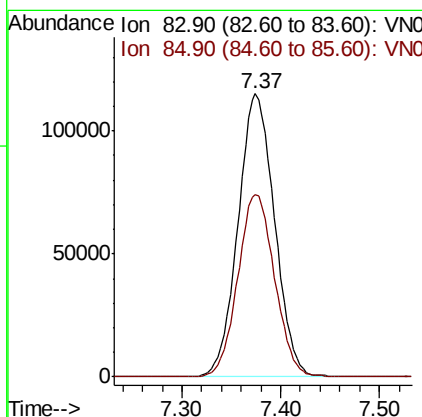
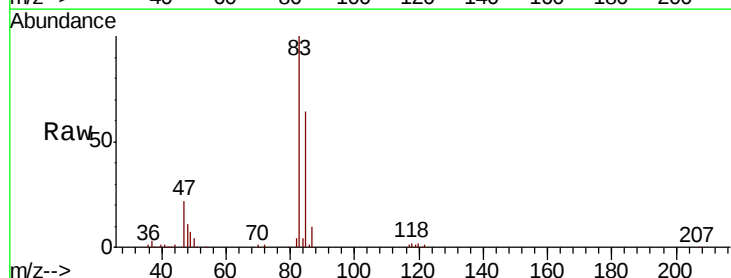
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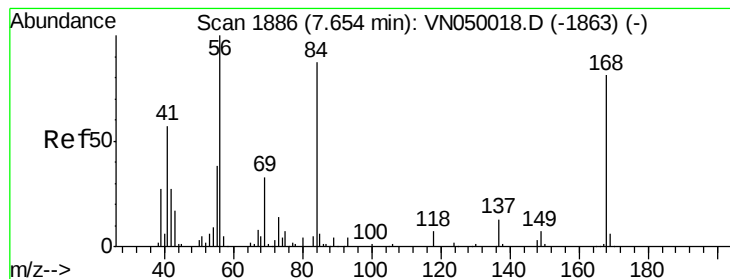
MMDadoda
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#30
Chloroform
Concen: 19.52 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7





#31

Cyclohexane

Concen: 19.40 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion: 56 Resp: 238784

Ion Ratio Lower Upper

56 100

69 35.9 26.2 39.4

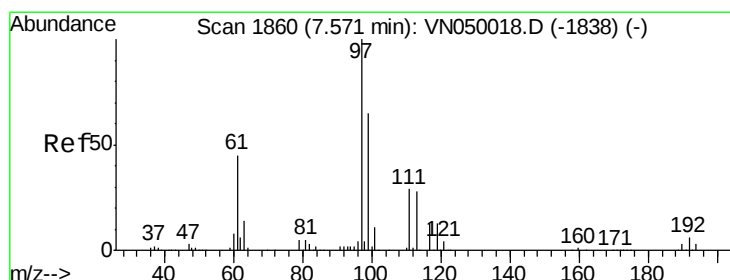
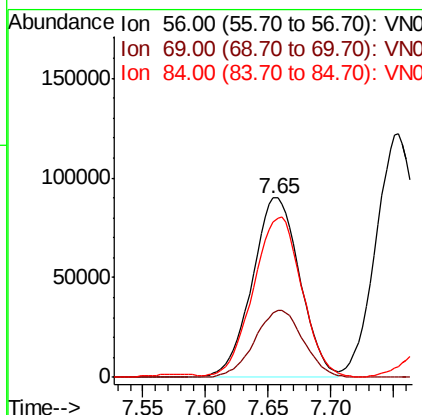
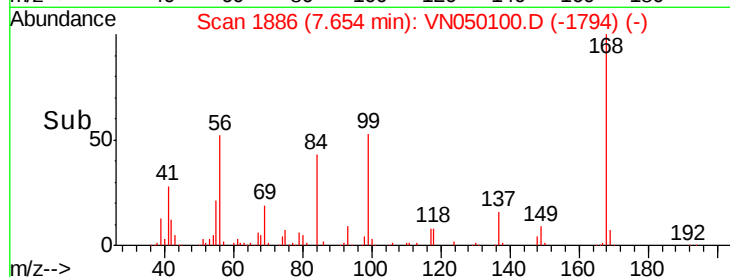
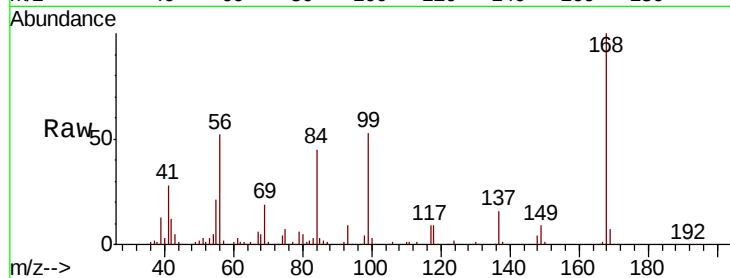
84 84.6 67.4 101.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.37 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

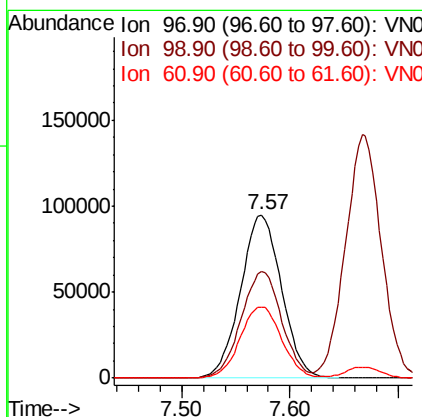
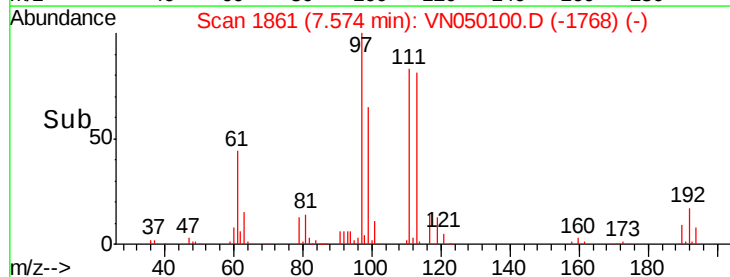
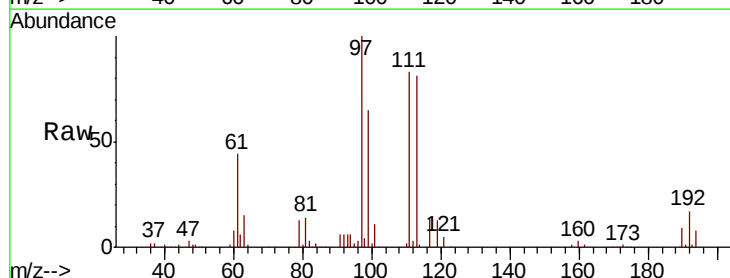
Tgt Ion: 97 Resp: 250436

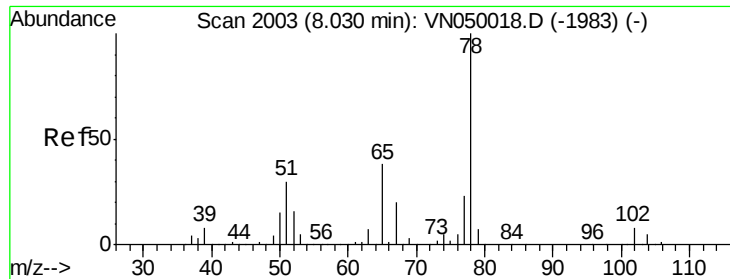
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

61 44.4 35.4 53.0





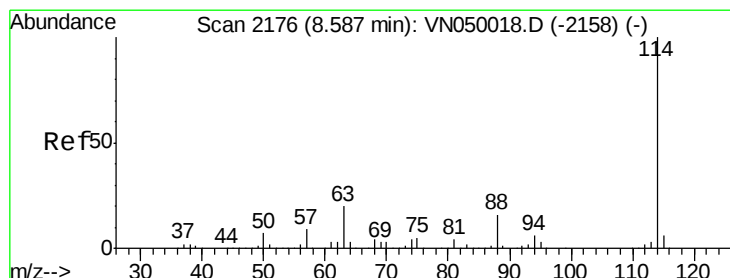
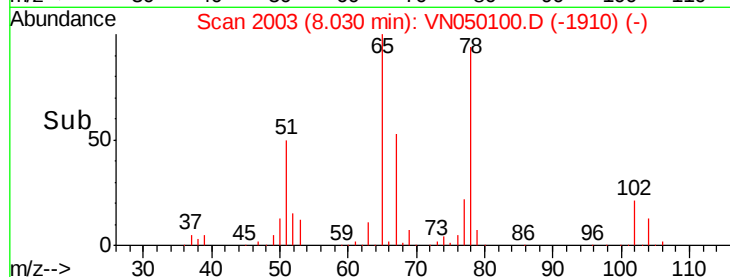
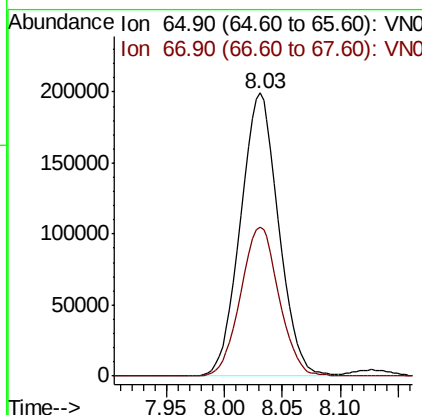
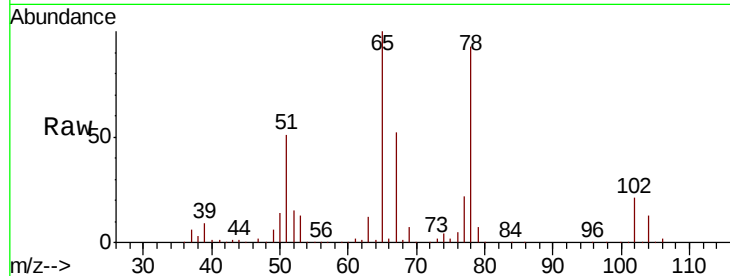
#33
 1,2-Dichloroethane-d4
 Concen: 51.13 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	108.4	

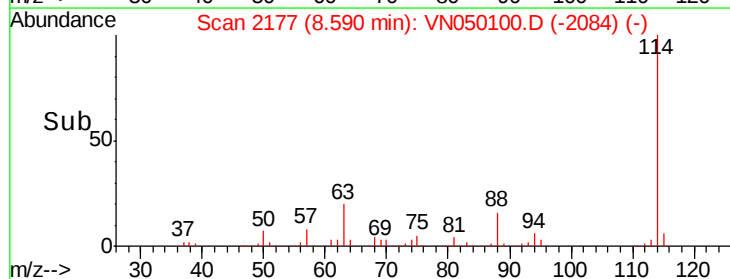
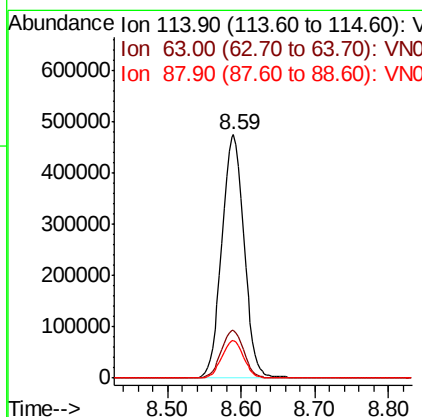
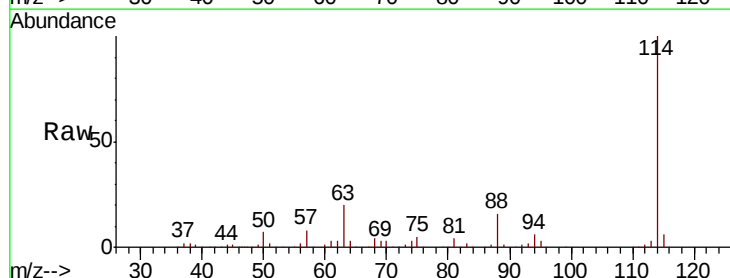
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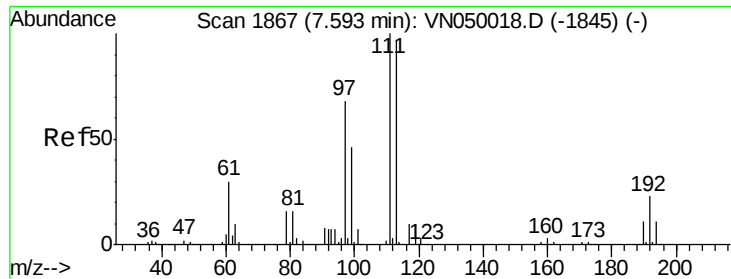
MMDadoda
 7/27/2018 12:16:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	40.0	
88	15.6	0.0	31.2	





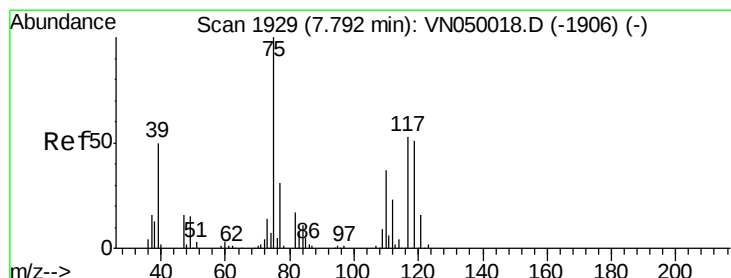
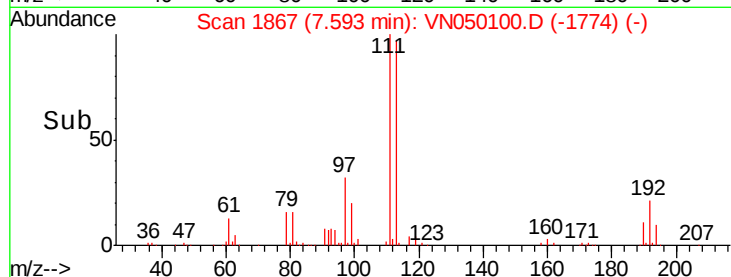
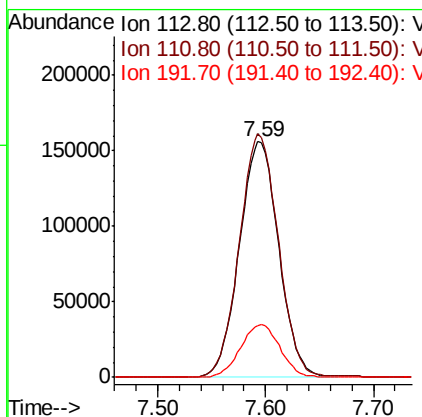
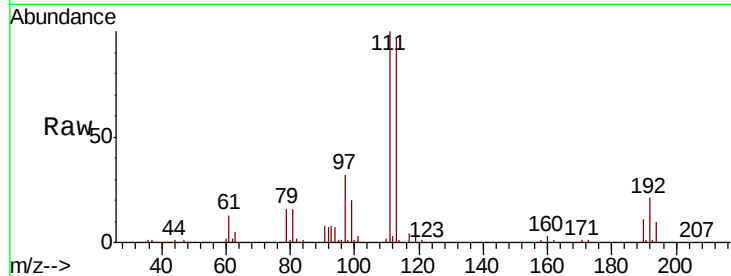
#35
 Dibromofluoromethane
 Concen: 48.60 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	396554		
111	102.3	80.7	121.1	
192	22.5	17.8	26.6	

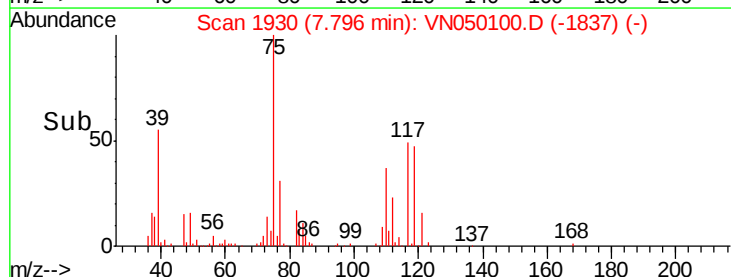
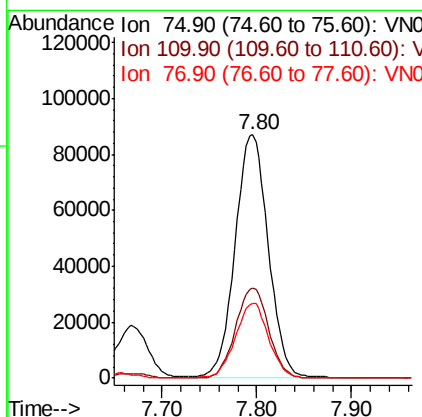
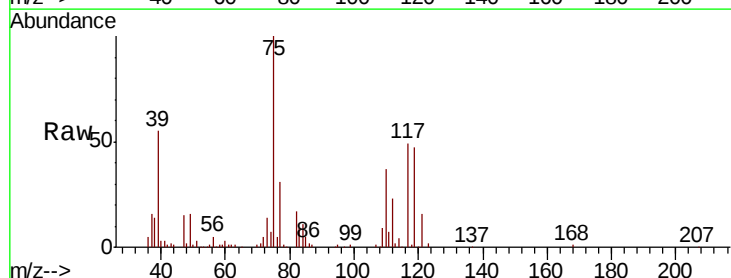
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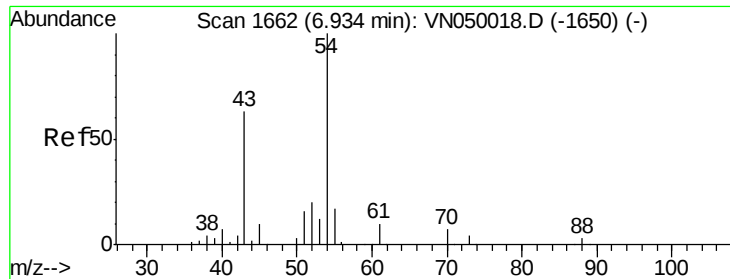
MMDadoda
 7/27/2018 12:16:25 PM



#36
 1,1-Dichloropropene
 Concen: 18.78 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	211445		
110	37.0	18.4	55.2	
77	31.1	25.3	37.9	





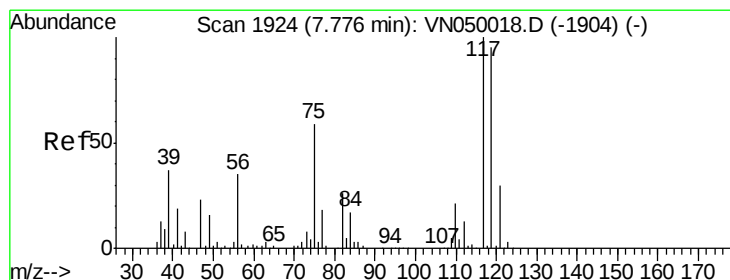
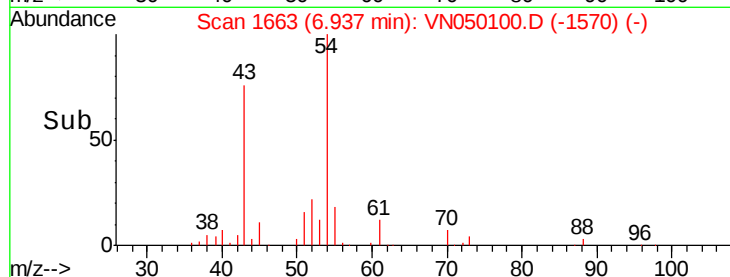
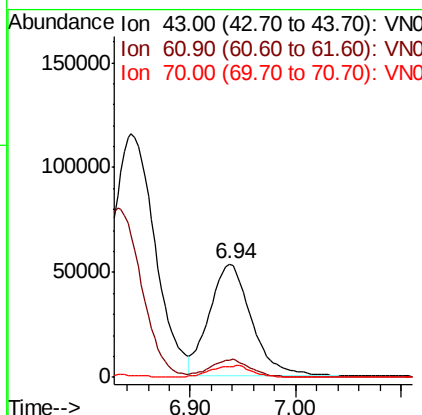
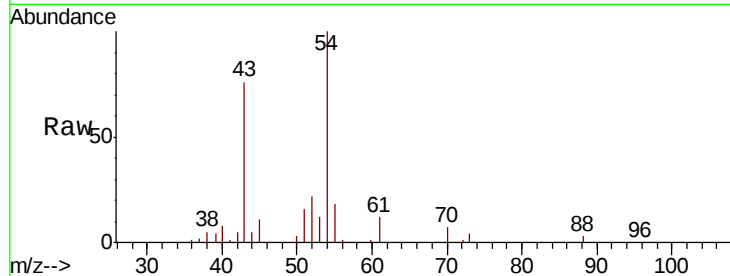
#37
Ethyl Acetate
Concen: 18.79 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS02

Tot Ion	43	61	70
Resp	147476	11.8	8.4
Ratio	100	14.7	10.4
Lower		11.8	8.4
Upper		17.8	12.6

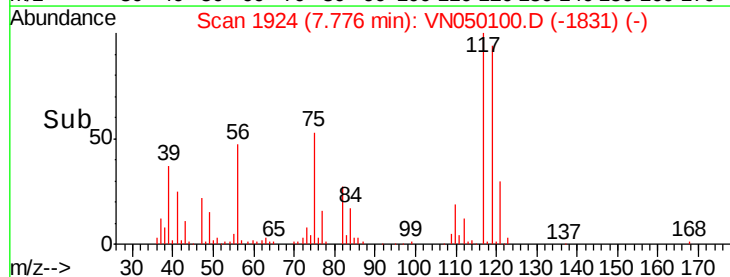
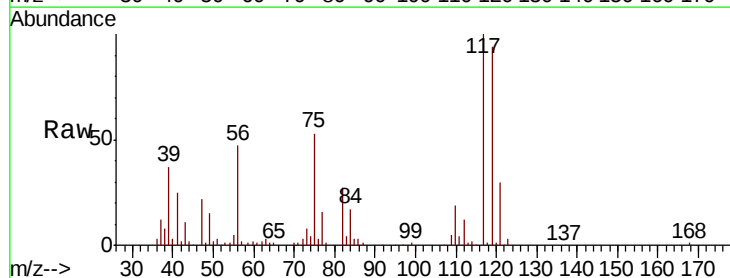
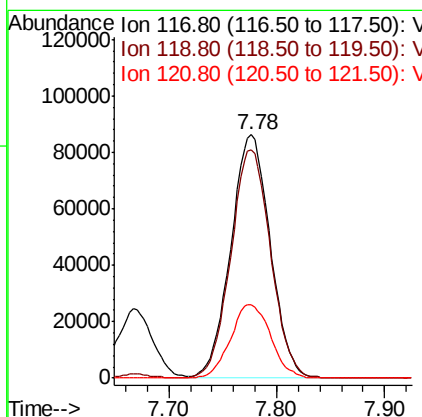
Manual Integrations
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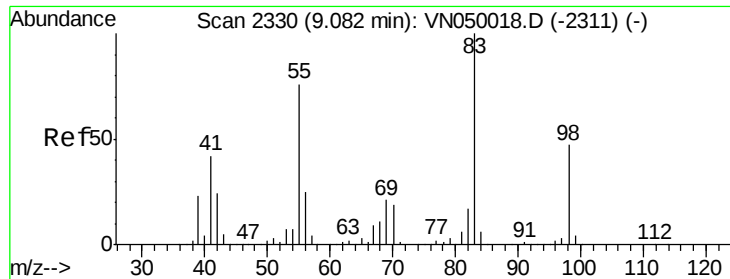
MMDadoda
7/27/2018 12:16:25 PM



#38
Carbon Tetrachloride
Concen: 18.39 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	117	119	121
Resp	219764	77.4	23.9
Ratio	100	93.9	29.9
Lower		77.4	23.9
Upper		116.0	35.9





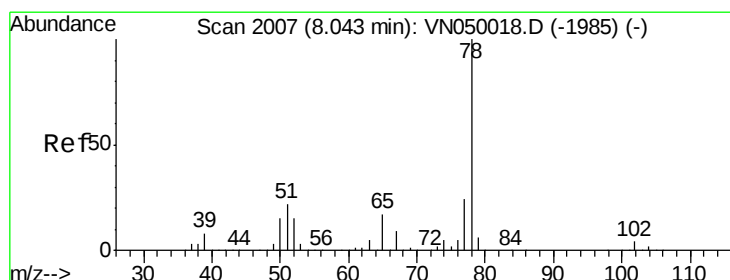
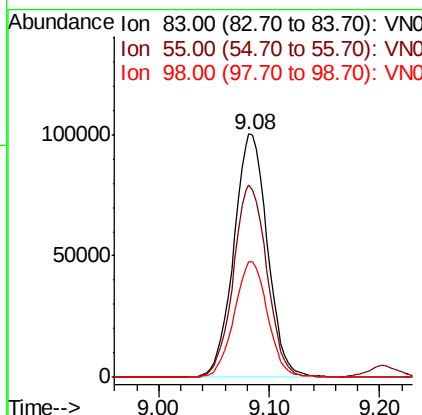
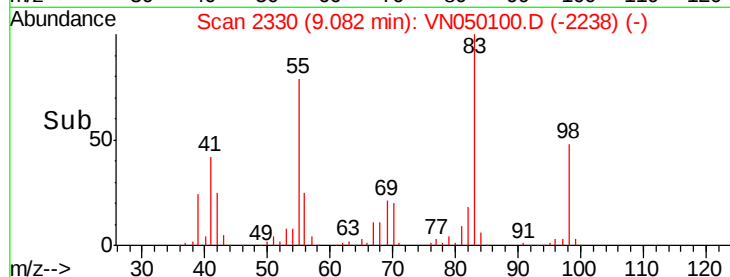
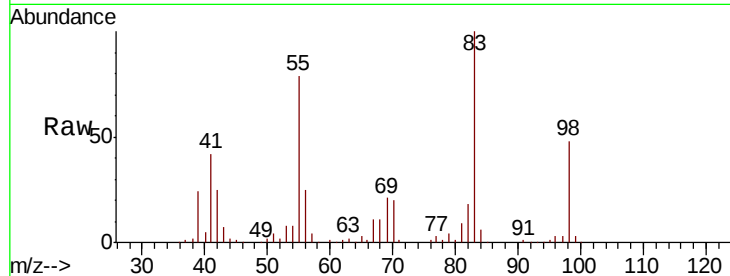
#39
Methvlcvclohexane
Concen: 18.31 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	212100		
55	78.8	61.8	92.8	
98	47.7	36.5	54.7	

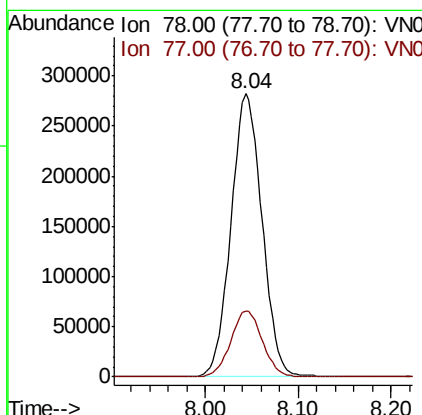
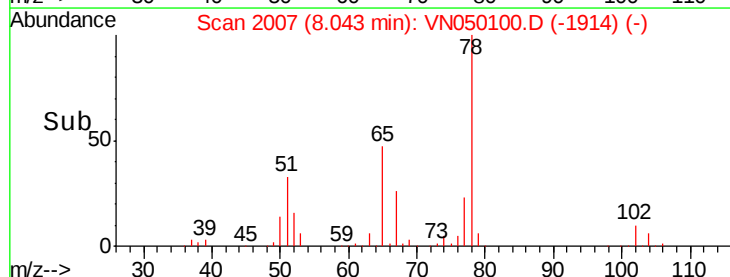
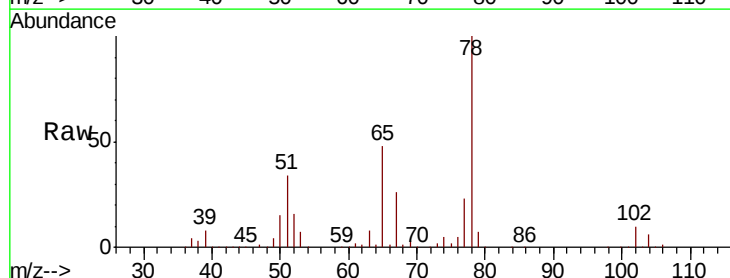
Manual Integrations
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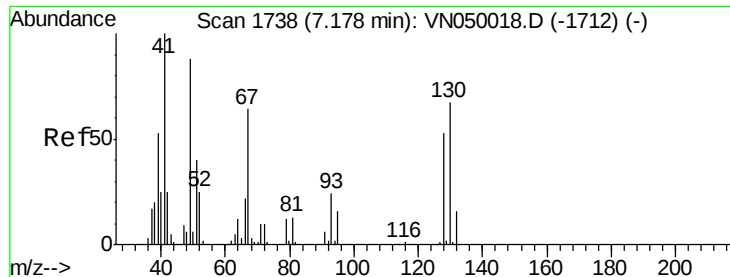
MMDadoda
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#40
Benzene
Concen: 19.15 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	656102		
77	23.3	18.7	28.1	





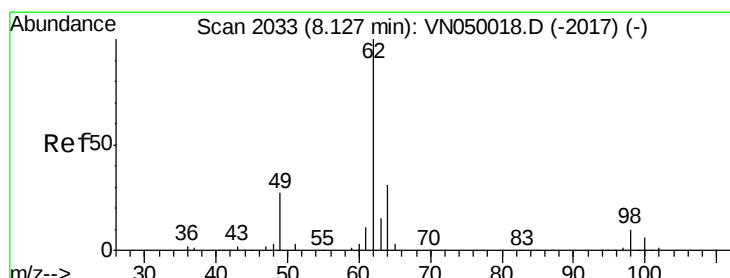
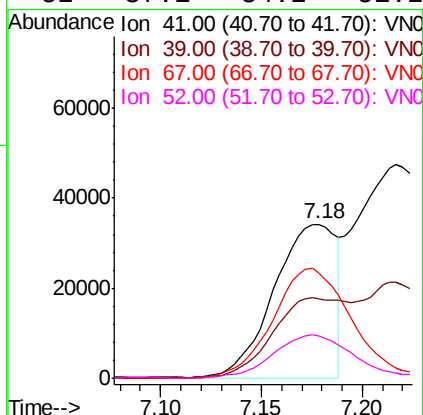
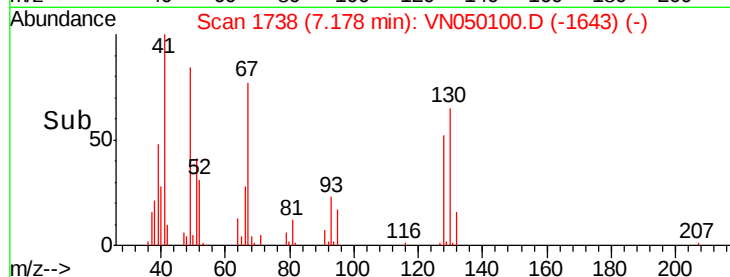
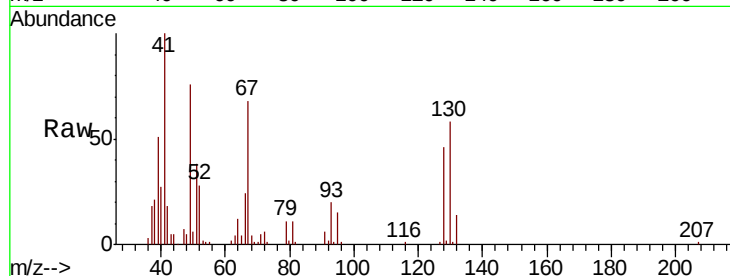
#41
Methacrylonitrile
Concen: 19.76 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	41.00	Resp:	73590
Ion	Ratio	Lower	Upper
41	100		
39	62.5	55.8	83.6
67	90.1	84.3	126.5
52	37.1	34.2	51.2

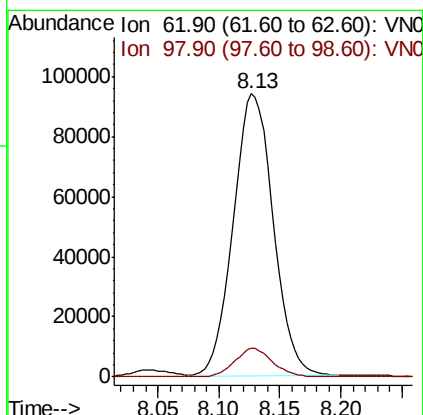
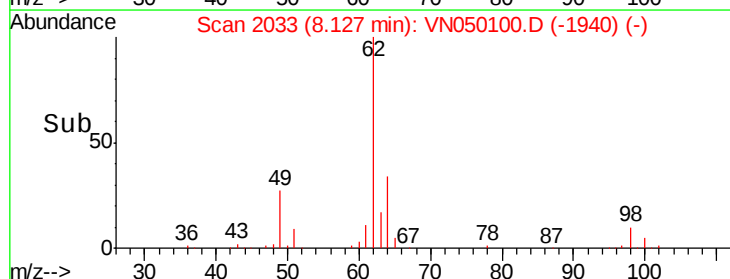
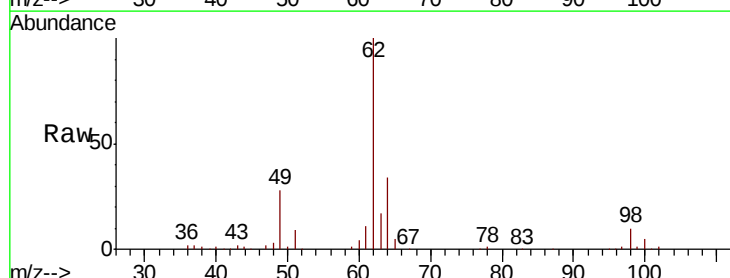
Manual Integrations
APPROVED

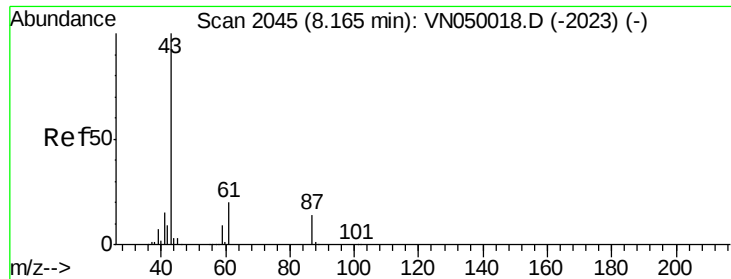
MMDadoda
7/27/2018 12:16:25 PM



#42
1,2-Dichloroethane
Concen: 18.63 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	62	Resp:	212925
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





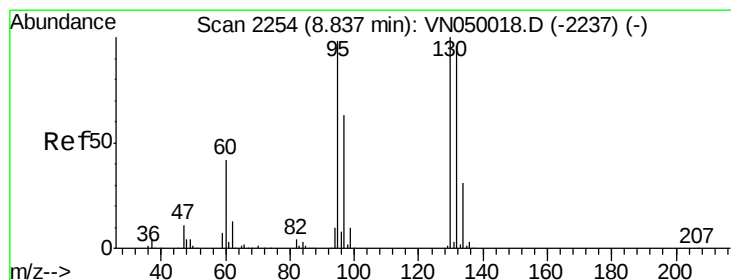
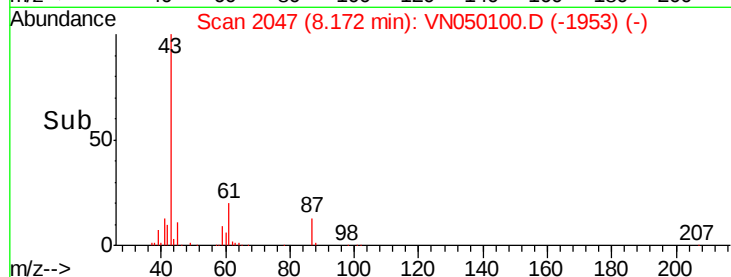
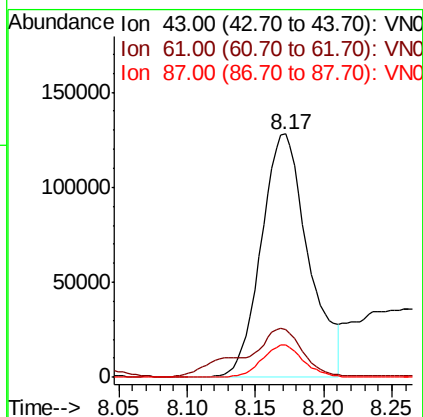
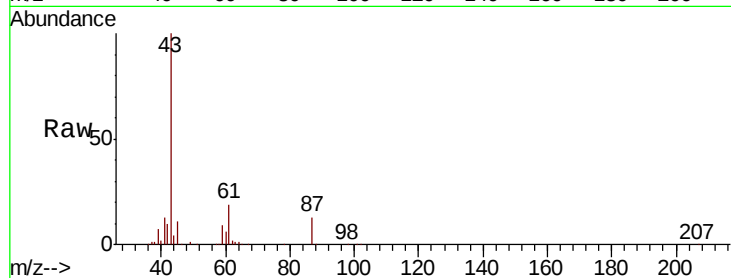
#43
Isopropyl Acetate
Concen: 20.02 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	15.8	23.6#
87	11.7	10.3	15.5

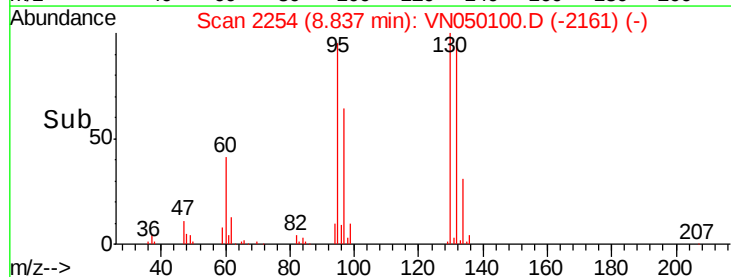
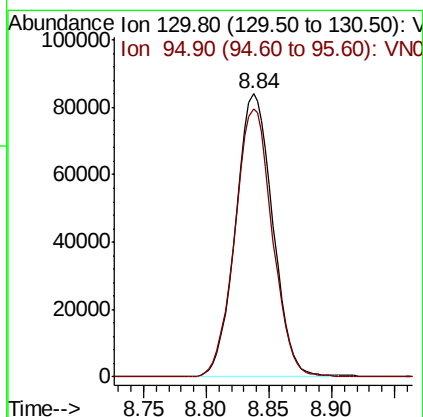
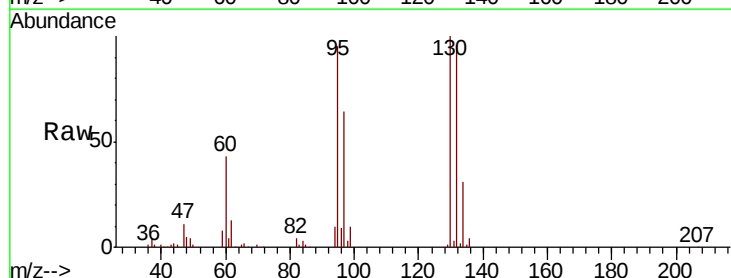
Manual Integrations
APPROVED

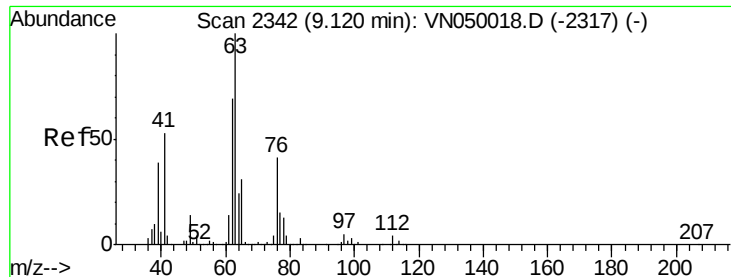
MMDadoda
7/27/2018 12:16:25 PM



#44
Trichloroethene
Concen: 18.76 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	194.6





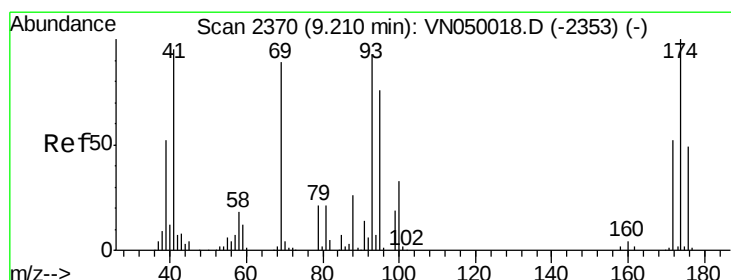
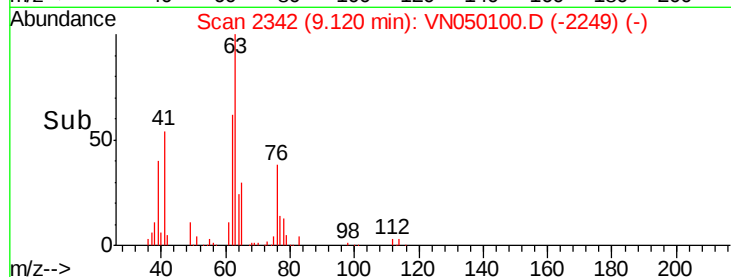
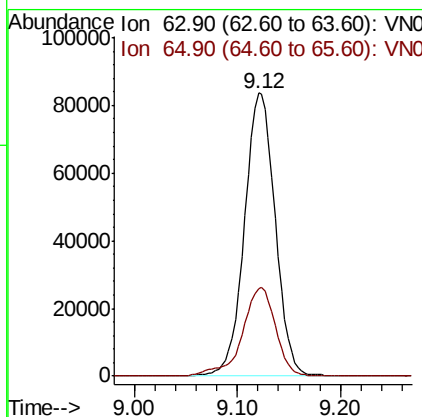
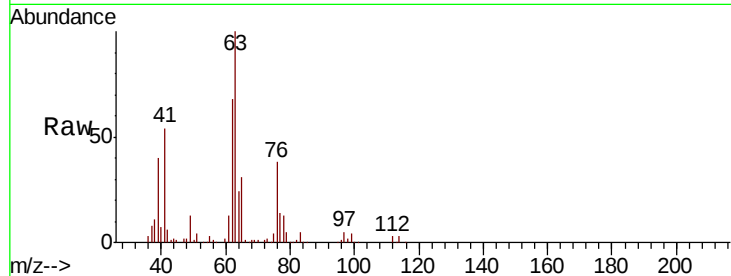
#45
 1,2-Dichloropropane
 Concen: 19.06 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3

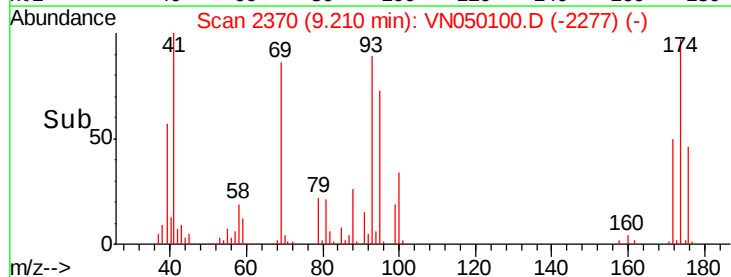
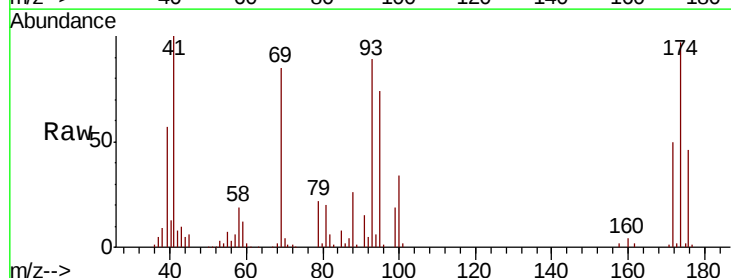
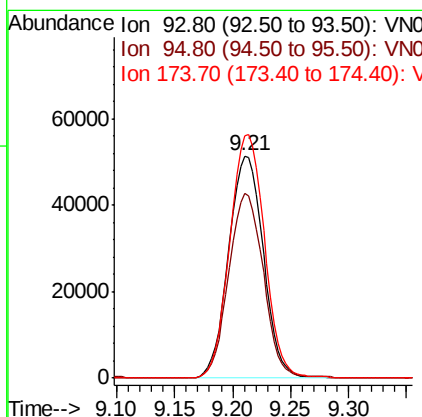
Manual Integrations
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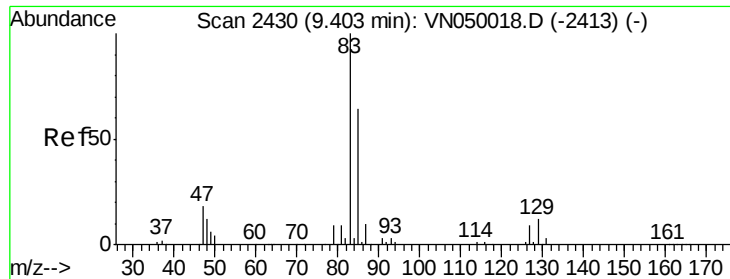
MMDadoda
 7/27/2018 12:16:25 PM



#46
 Dibromomethane
 Concen: 19.00 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.6	100.0
174	109.4	87.1	130.7





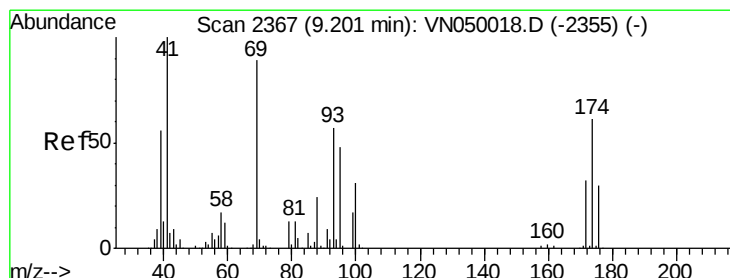
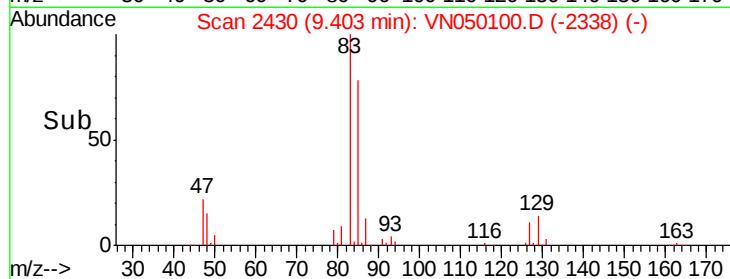
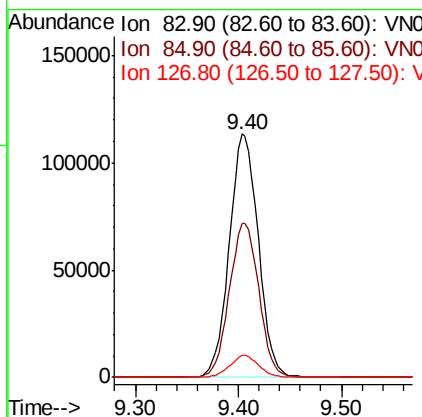
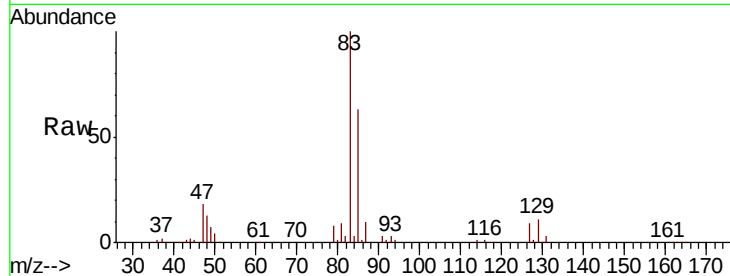
#47
Bromodichloromethane
Concen: 18.68 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	9.0	7.0	10.4

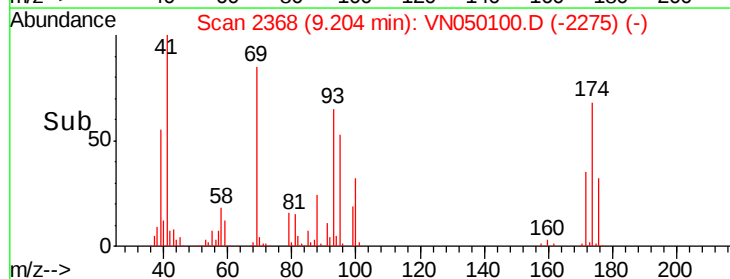
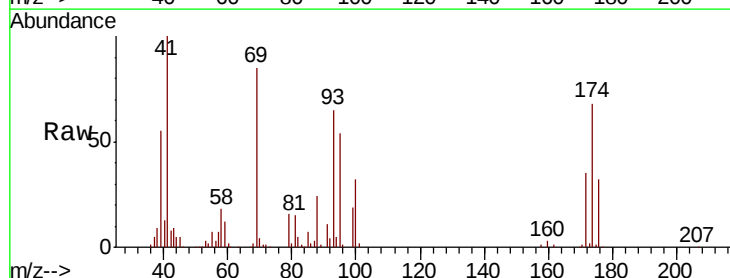
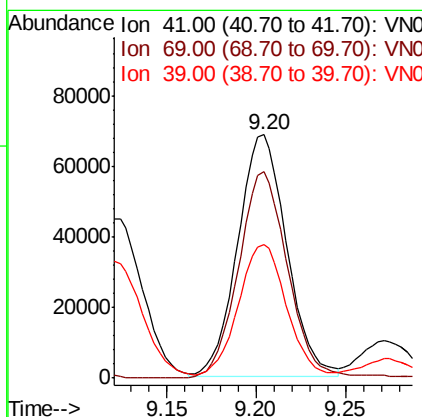
Manual Integrations
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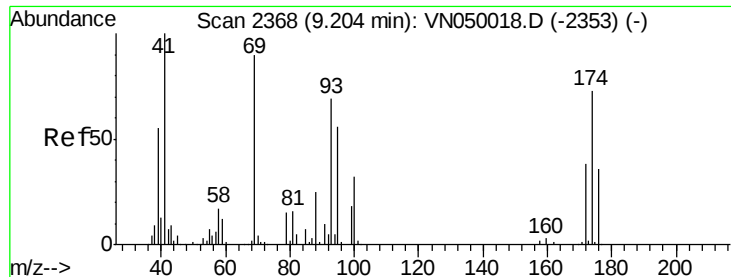
MMDadoda
7/27/2018 12:16:25 PM



#48
Methyl methacrylate
Concen: 19.47 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.2	70.6	105.8
39	54.0	43.9	65.9





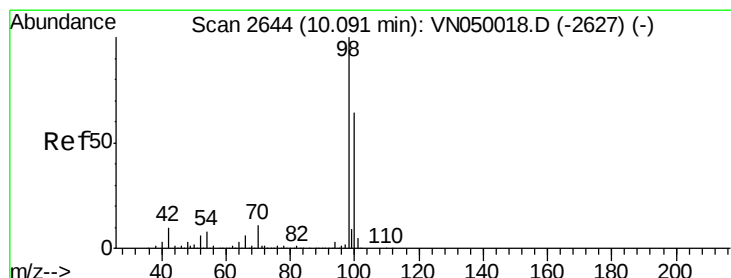
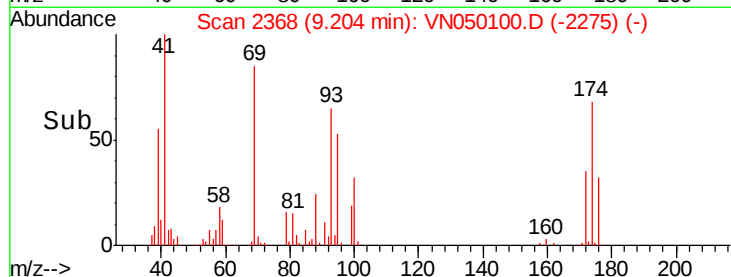
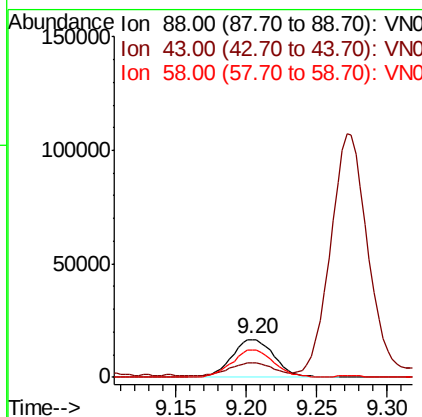
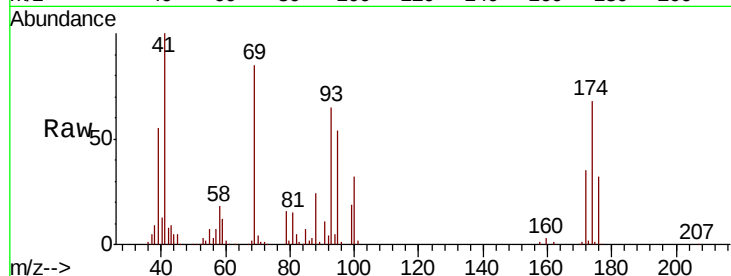
#49
1,4-Dioxane
Concen: 382.93 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	71.6	57.3	85.9

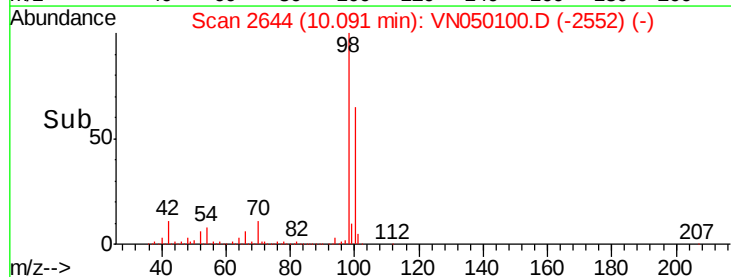
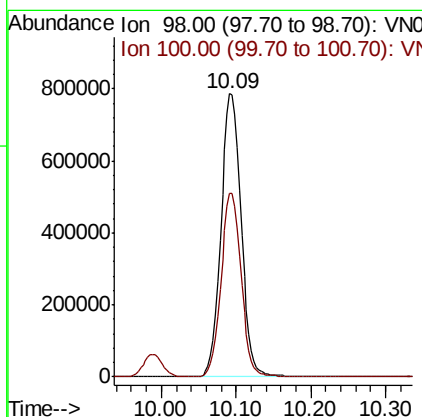
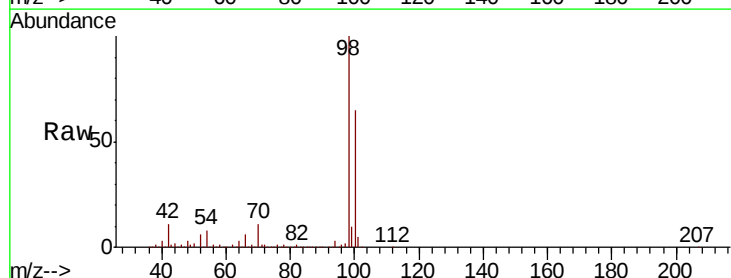
Manual Integrations
APPROVED

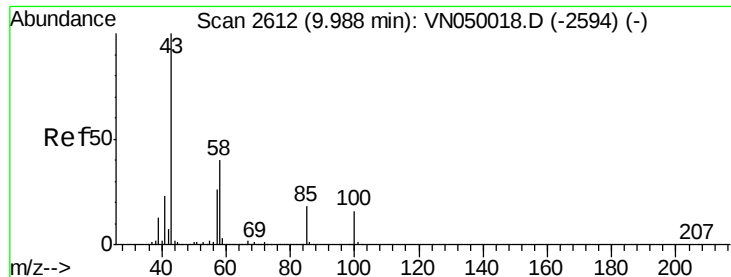
MMDadoda
7/27/2018 12:16:25 PM



#50
Toluene-d8
Concen: 48.79 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.7	76.1





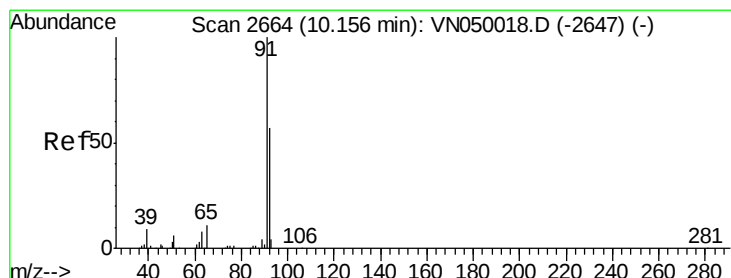
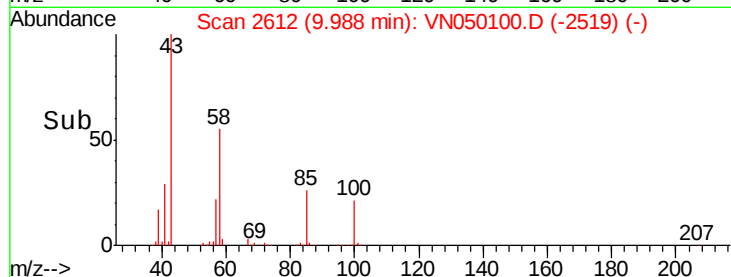
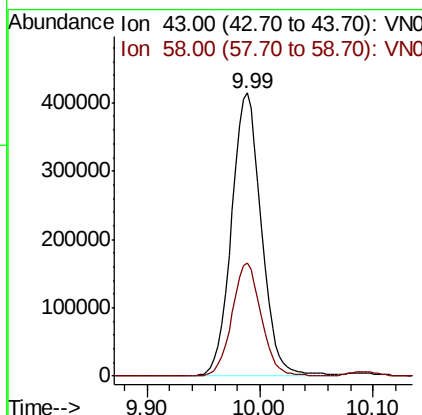
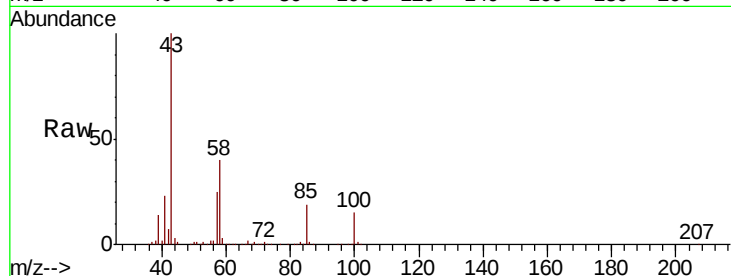
#51
4-Methyl-2-Pentanone
Concen: 98.20 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.9	47.9

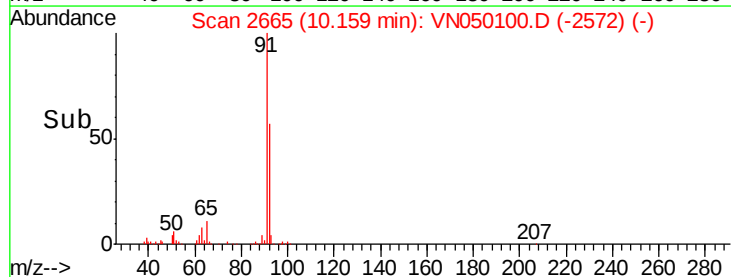
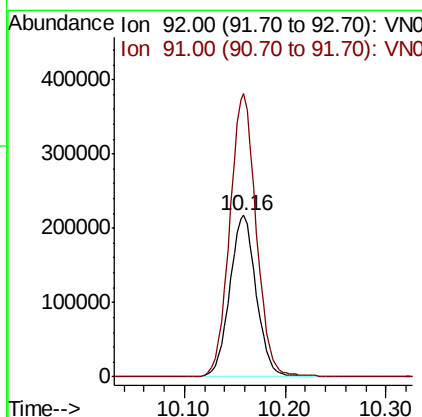
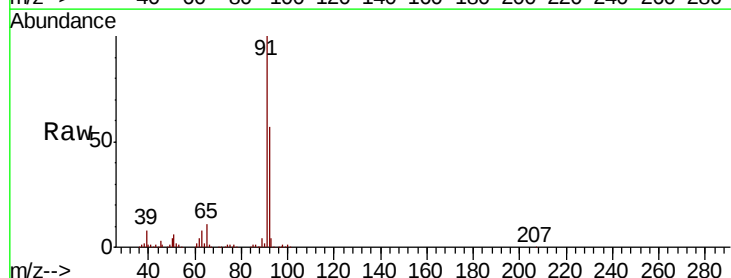
Manual Integrations
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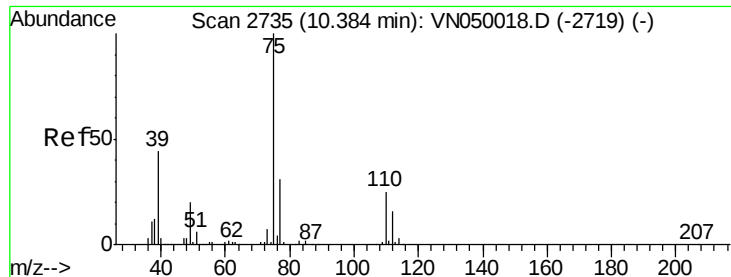
MMDadoda
7/27/2018 12:16:25 PM



#52
Toluene
Concen: 19.70 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.3	210.5





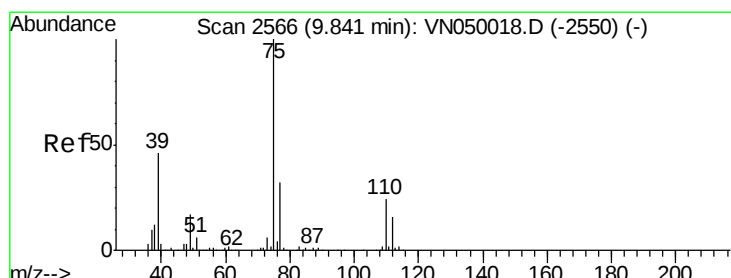
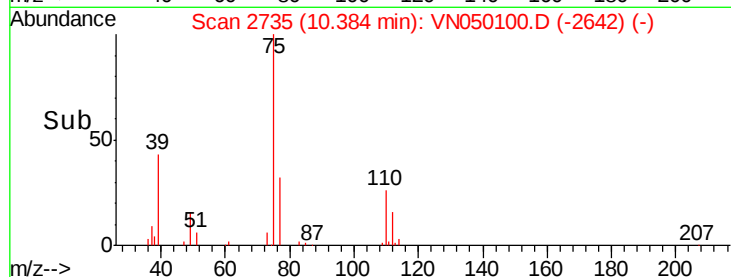
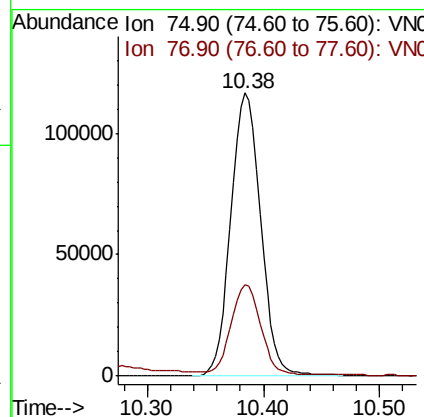
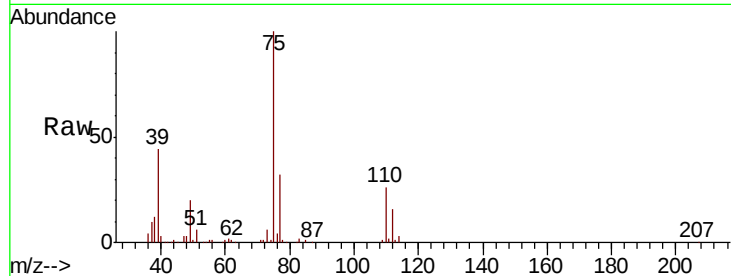
#53
t-1,3-Dichloropropene
Concen: 18.57 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.9	37.3

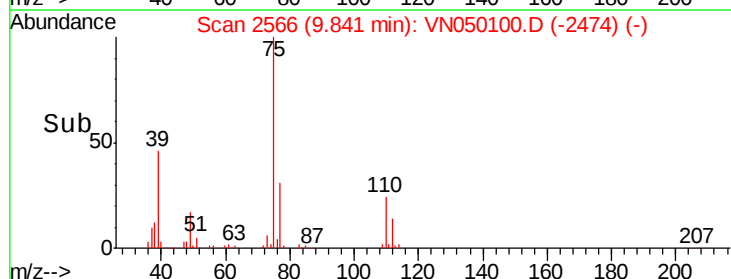
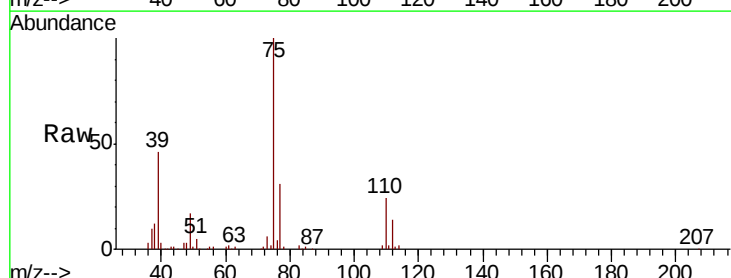
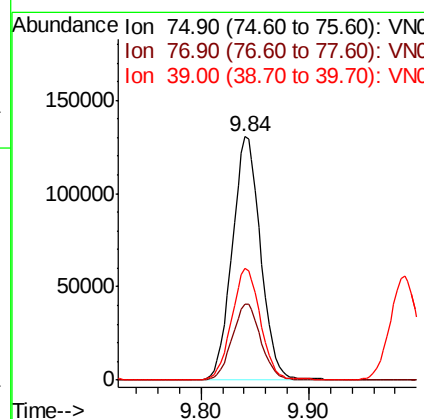
Manual Integrations
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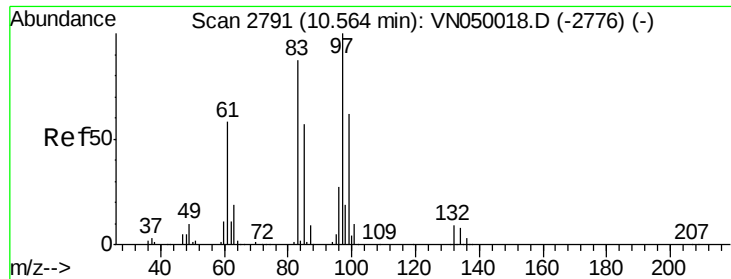
MMDadoda
7/27/2018 12:16:25 PM



#54
cis-1,3-Dichloropropene
Concen: 18.69 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3
39	45.7	36.6	55.0





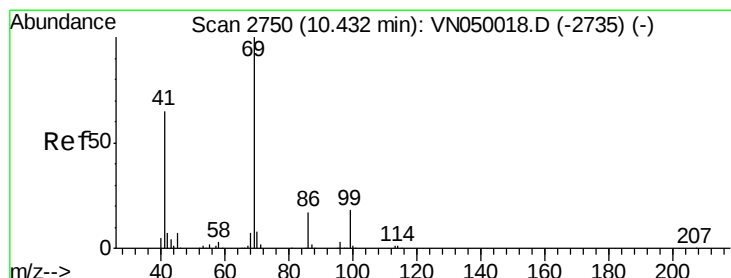
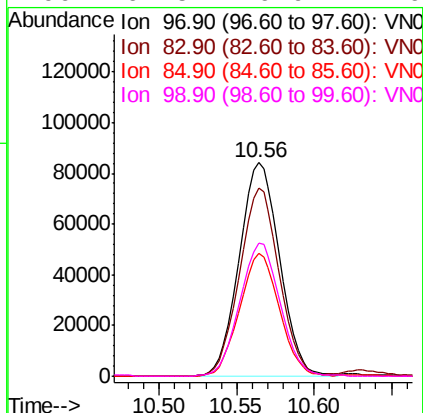
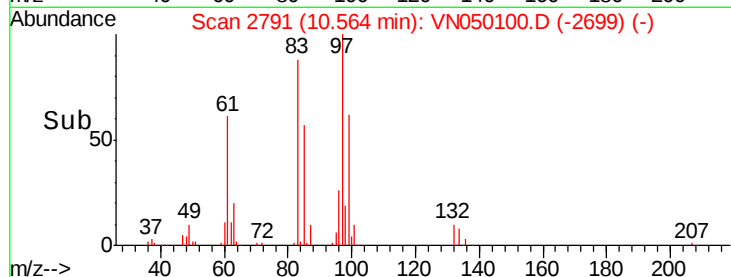
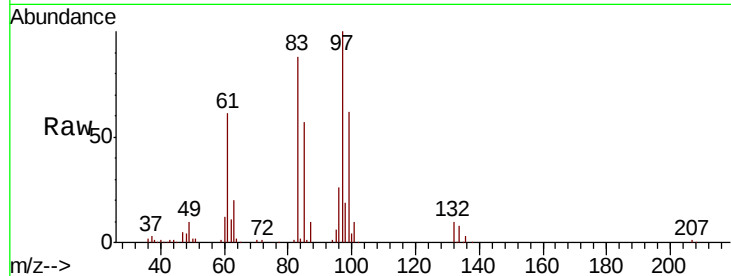
#55
 1,1,2-Trichloroethane
 Concen: 19.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.2	103.8
85	57.4	44.0	66.0
99	62.5	49.9	74.9

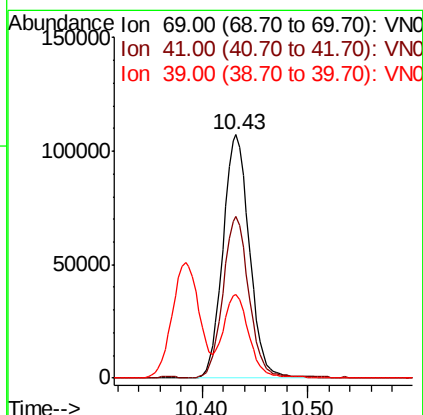
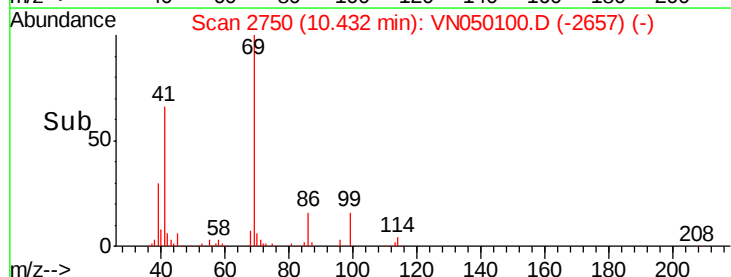
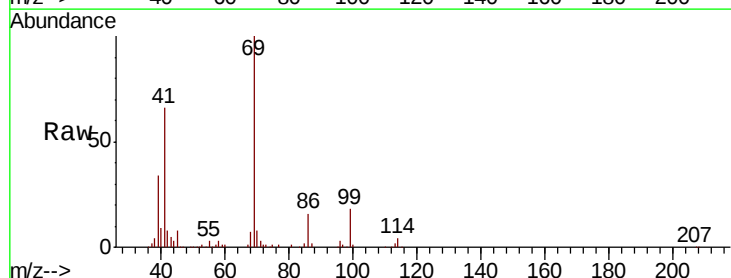
Manual Integrations
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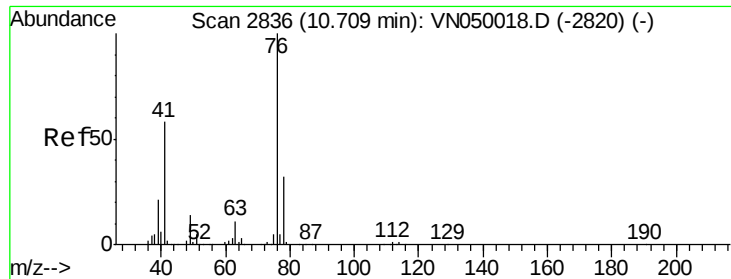
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.47 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.0	76.4
39	33.3	26.6	40.0





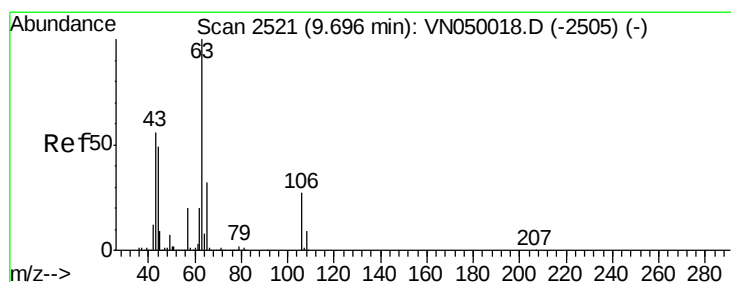
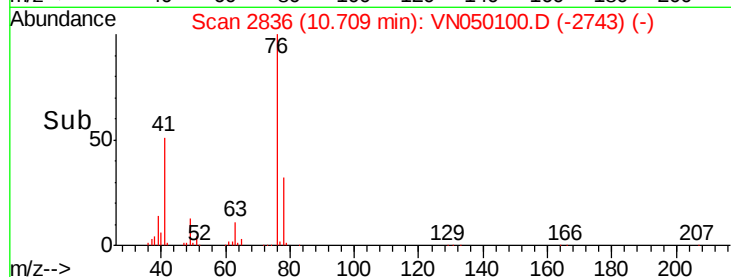
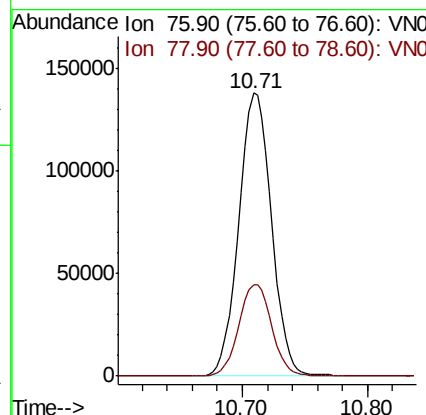
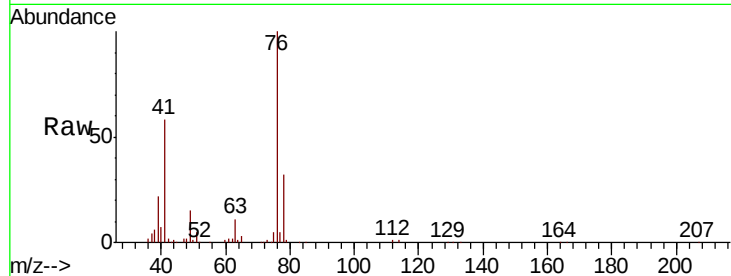
#57
 1,3-Dichloropropane
 Concen: 19.17 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.7	38.5

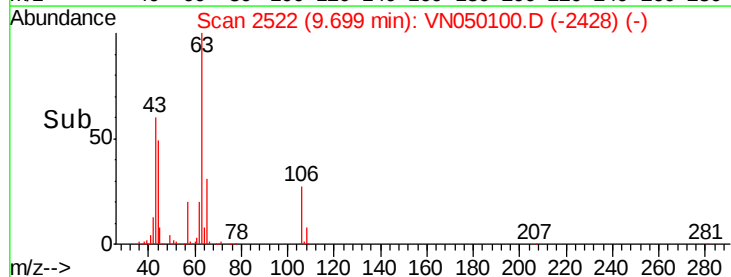
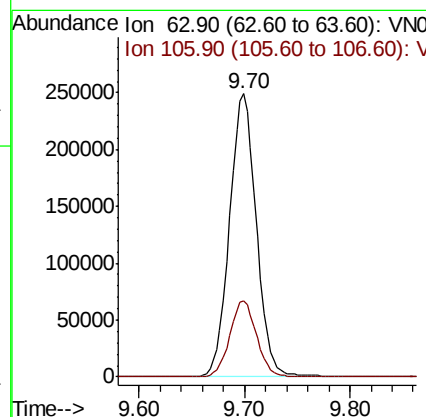
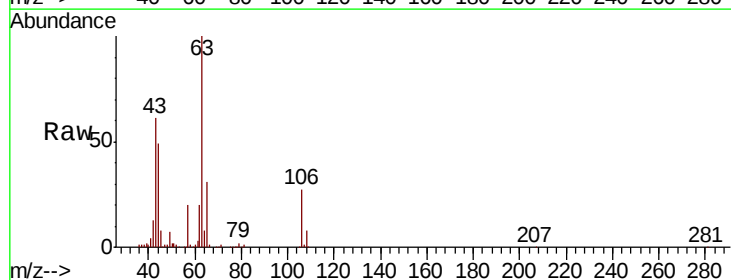
Manual Integrations
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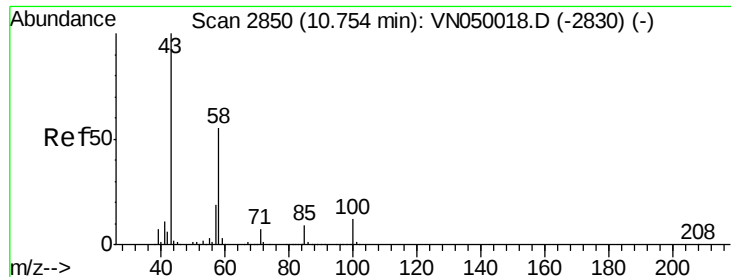
MMDadoda
 7/27/2018 12:16:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.75 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5





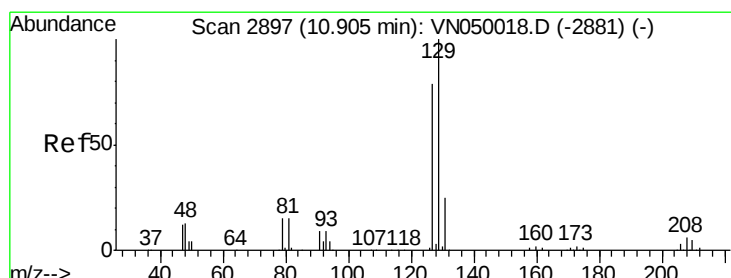
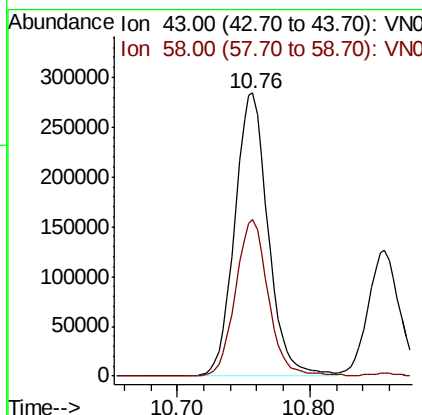
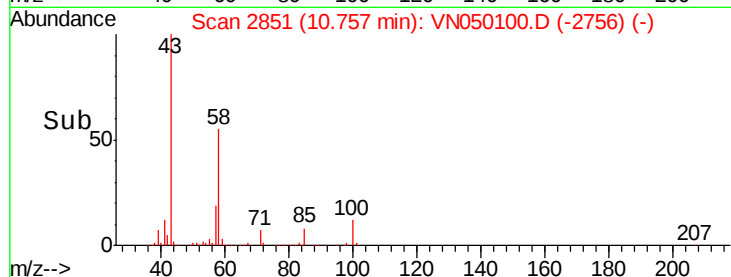
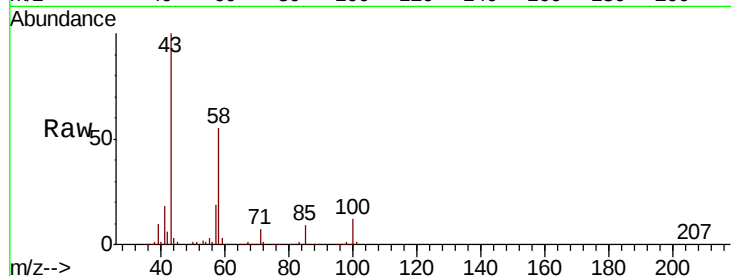
#59
2-Hexanone
Concen: 90.56 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion: 43 Resp: 494412
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

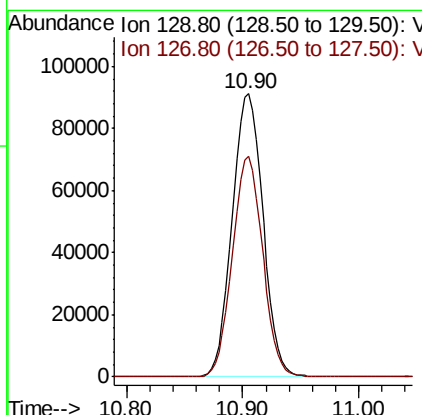
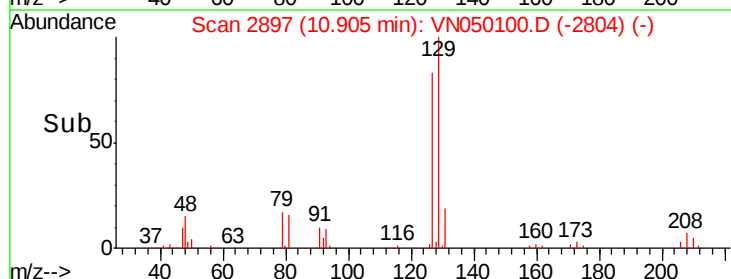
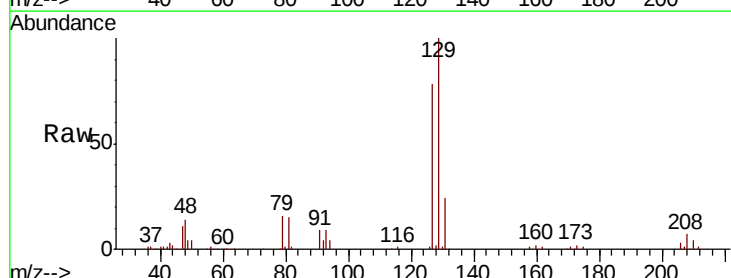
Manual Integrations
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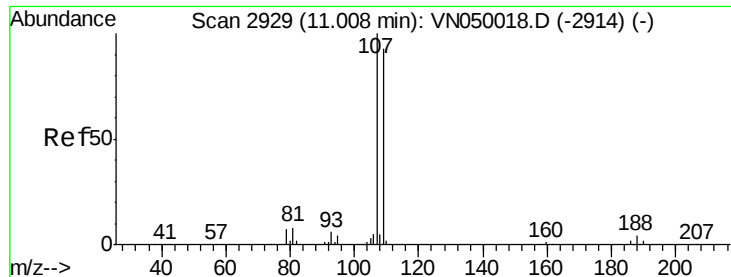
MMDadoda
7/27/2018 12:16:25 PM



#60
Dibromochloromethane
Concen: 18.90 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion: 129 Resp: 167878
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9





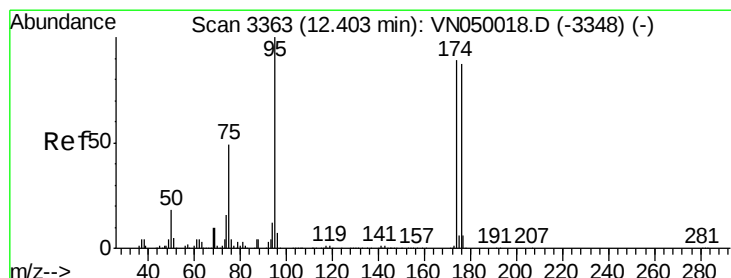
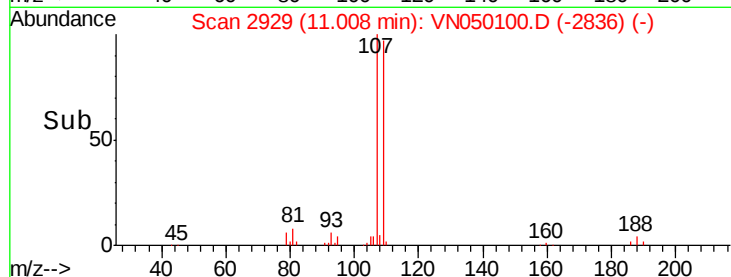
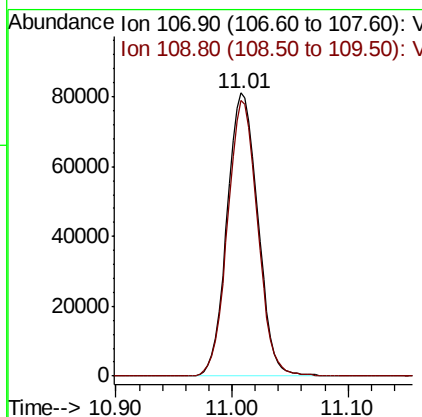
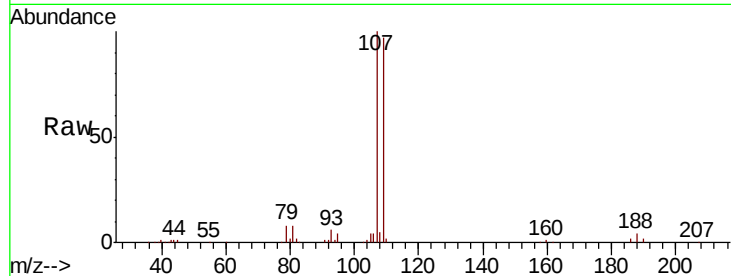
#61
 1,2-Dibromoethane
 Concen: 18.77 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.6	112.0

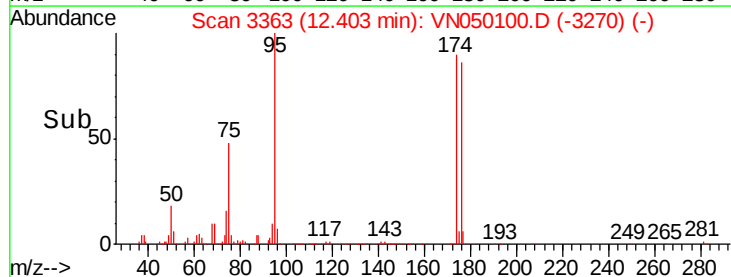
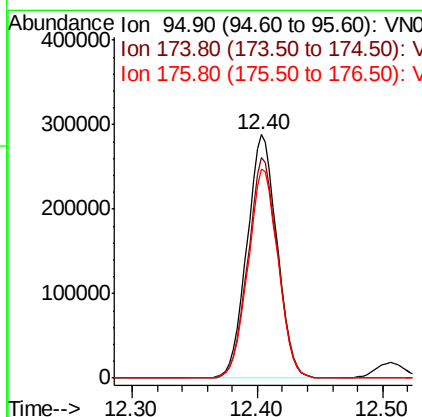
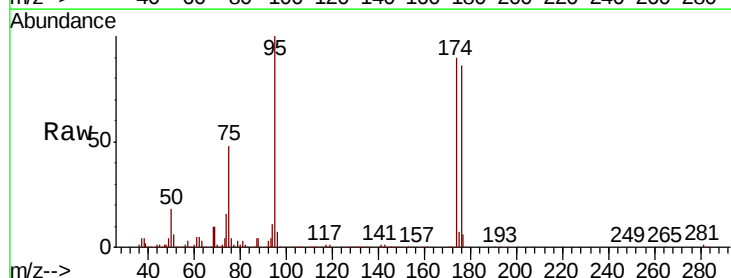
Manual Integrations
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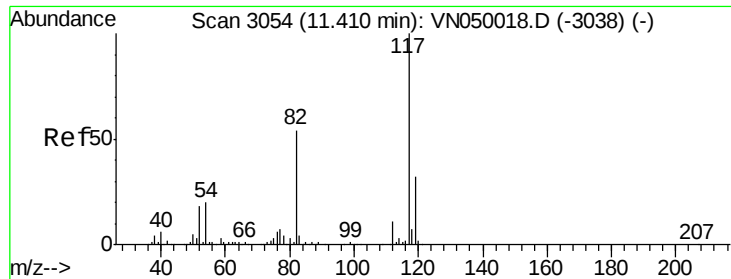
MMDadoda
 7/27/2018 12:16:25 PM



#62
 4-Bromofluorobenzene
 Concen: 48.64 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	178.2
176	86.0	0.0	173.4





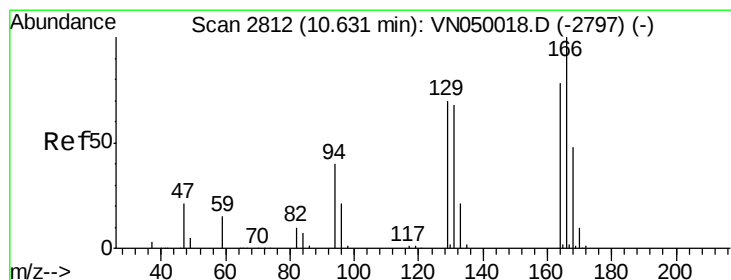
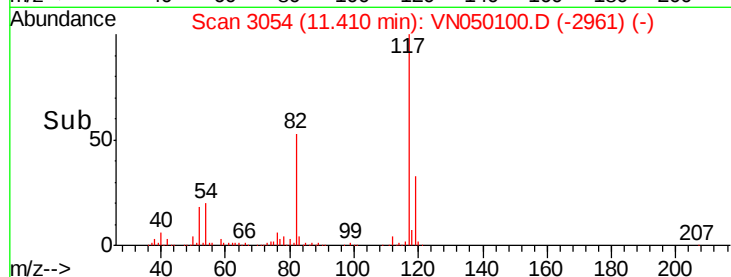
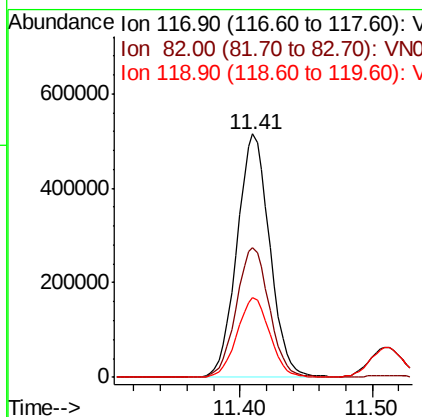
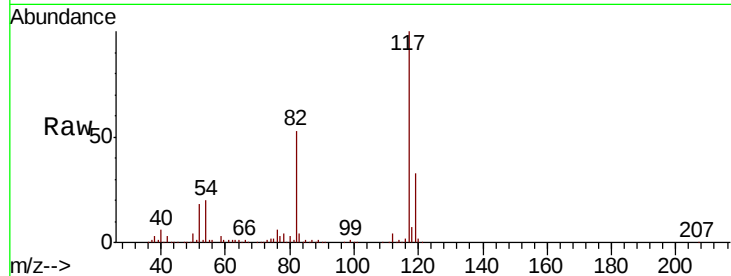
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.7	65.5
119	32.7	26.1	39.1

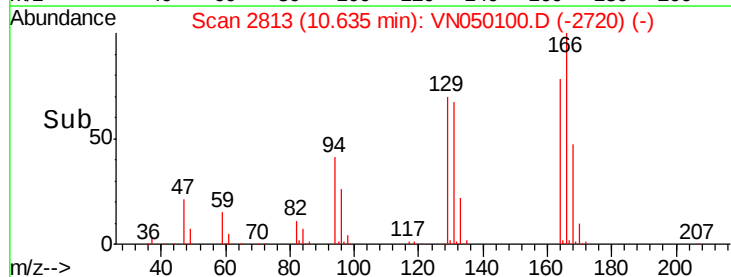
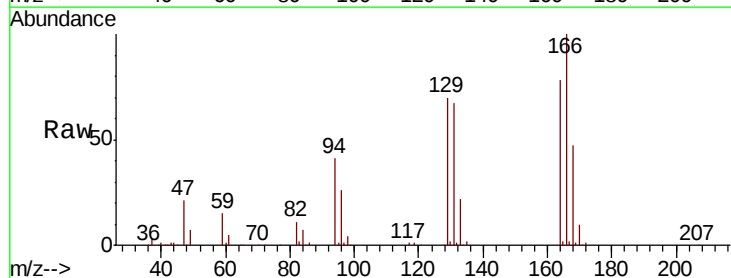
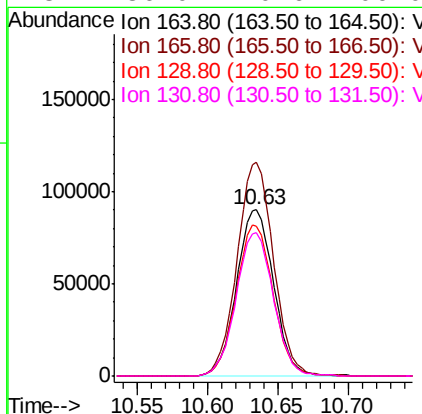
Manual Integrations
APPROVED

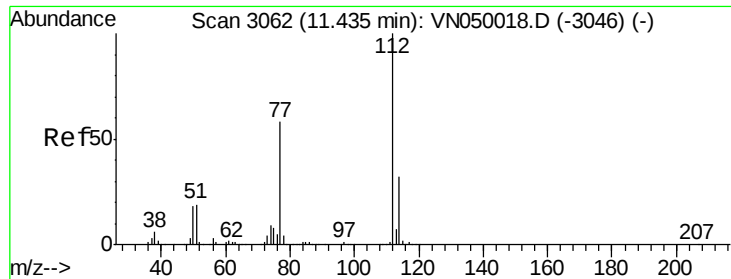
MMDadoda
7/27/2018 12:16:25 PM



#64
Tetrachloroethene
Concen: 19.51 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.1	153.1
129	90.5	73.2	109.8
131	86.0	70.6	106.0





#65

Chlorobenzene

Concen: 19.22 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS02

Tot Ion:112 Resp: 429079

Ion Ratio Lower Upper

112 100

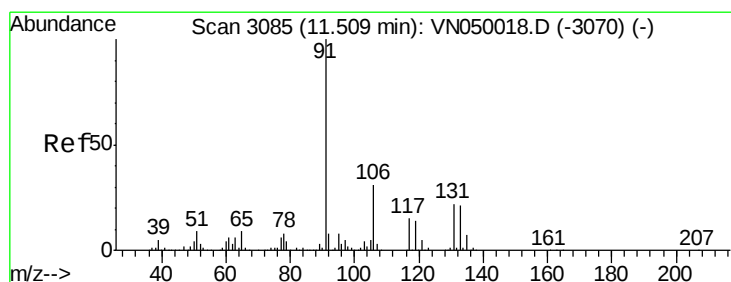
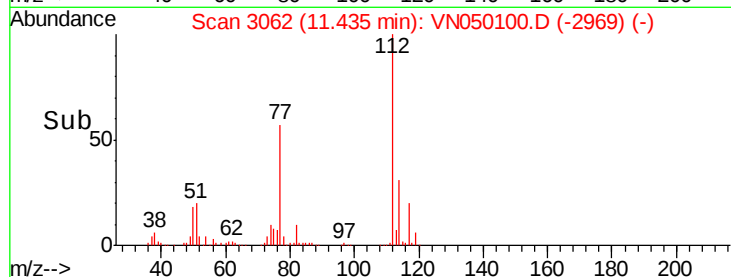
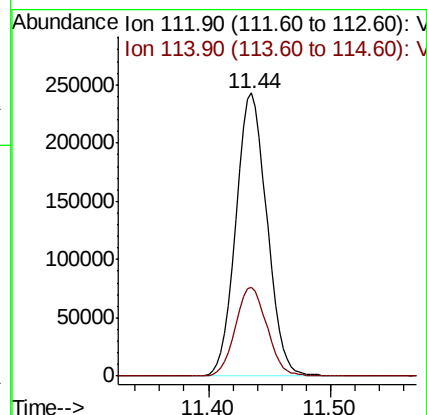
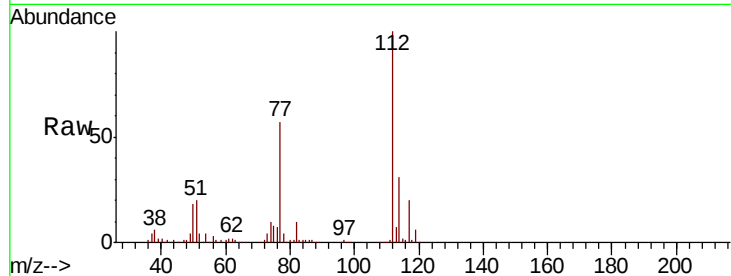
114 31.2 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.07 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

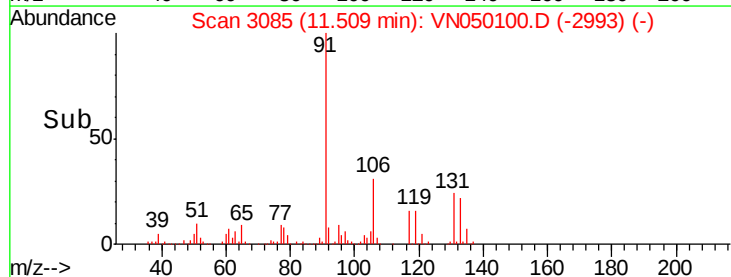
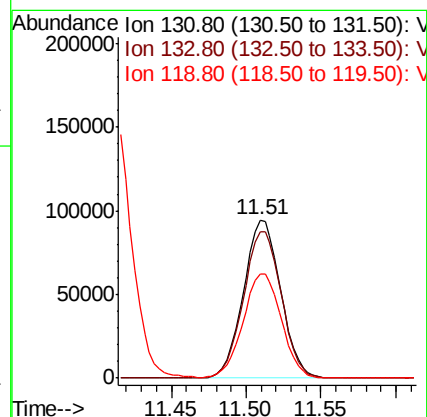
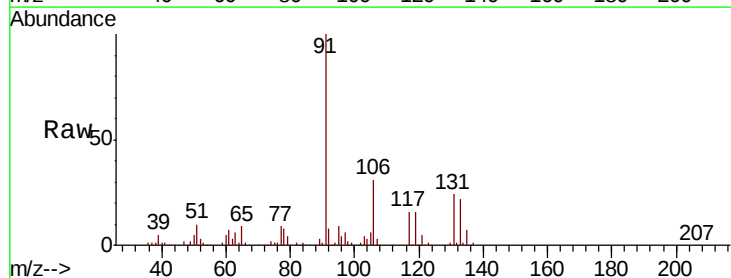
Tgt Ion:131 Resp: 163647

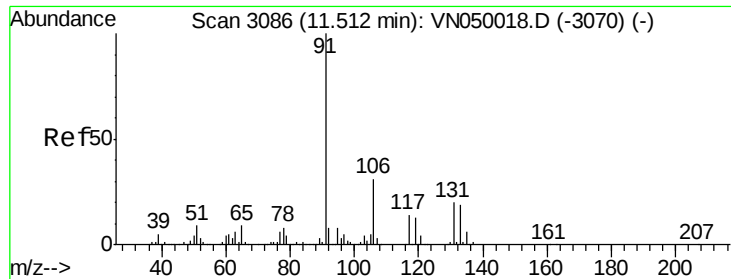
Ion Ratio Lower Upper

131 100

133 94.3 47.3 141.9

119 67.8 32.9 98.7





#67

Ethyl Benzene

Concen: 19.94 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion: 91 Resp: 715097

Ion Ratio Lower Upper

91 100

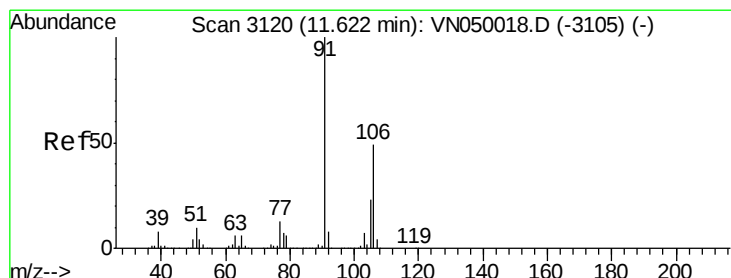
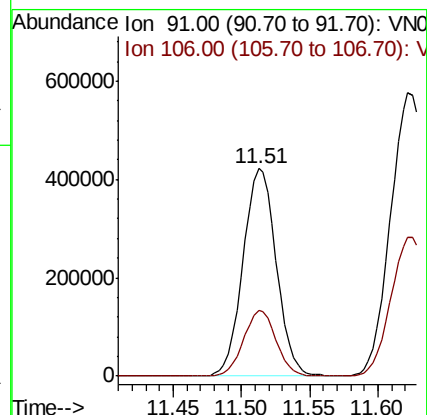
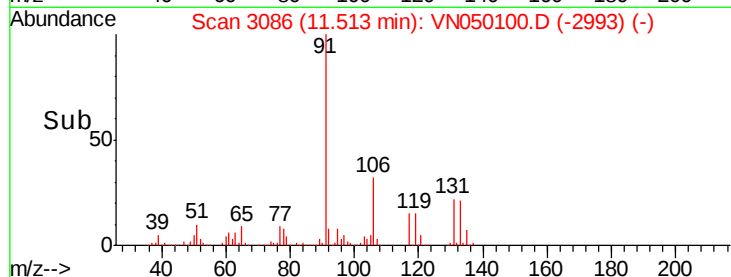
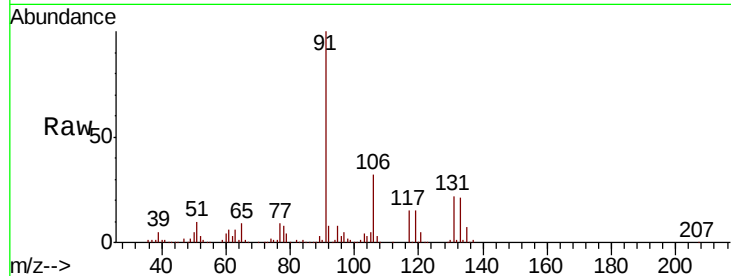
106 31.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.80 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050100.D

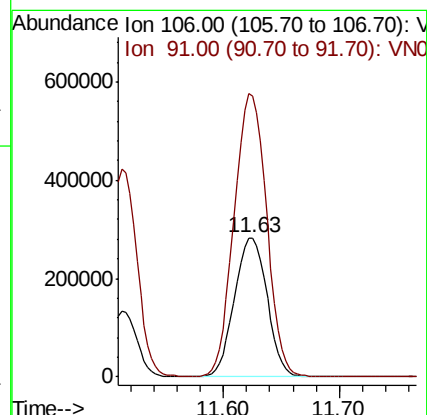
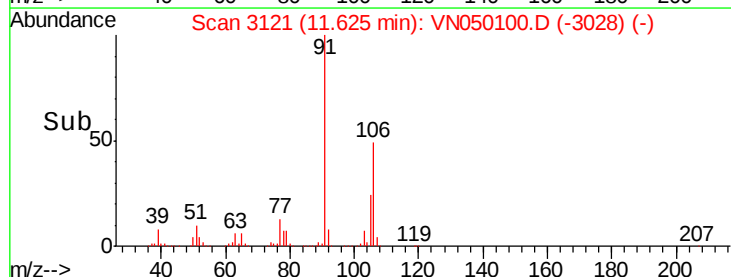
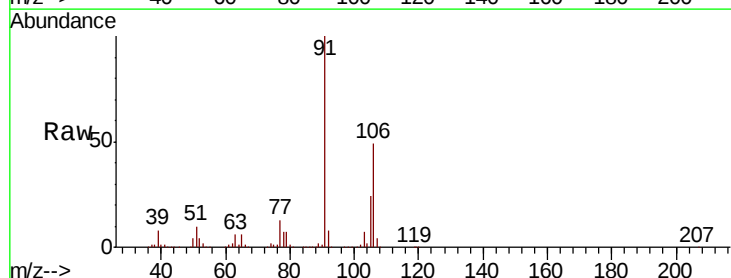
Acq: 26 Jul 2018 23:31

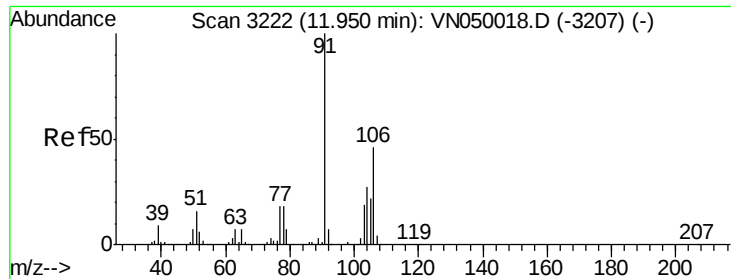
Tgt Ion: 106 Resp: 553606

Ion Ratio Lower Upper

106 100

91 201.9 162.2 243.2





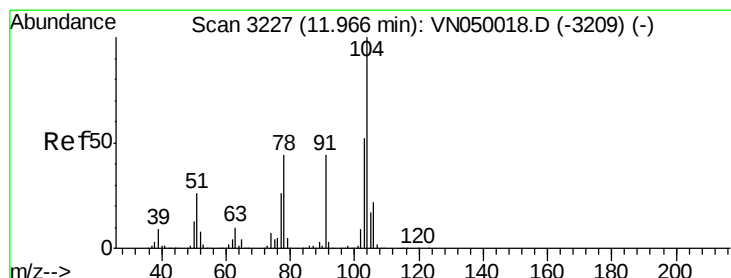
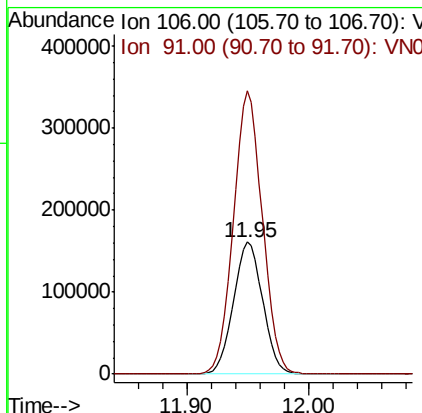
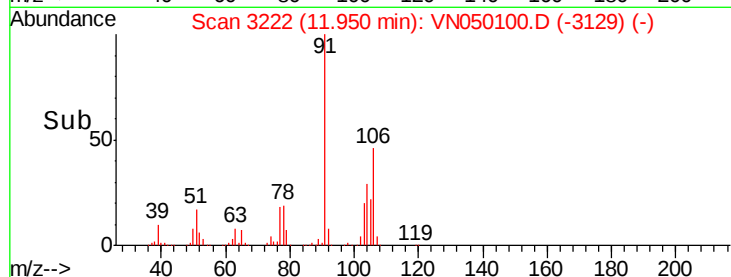
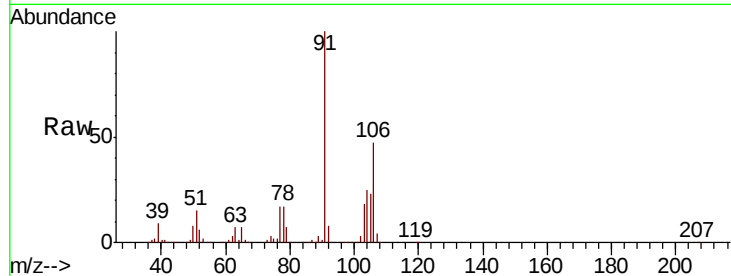
#69
o-Xylene
Concen: 20.72 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.2	107.7	323.1	

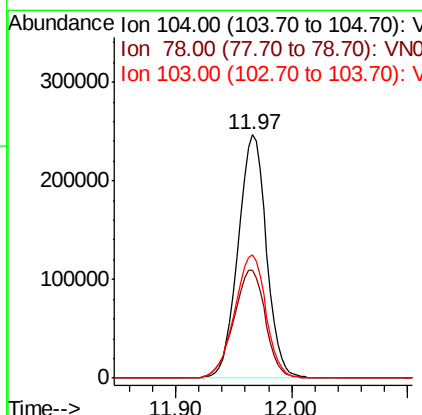
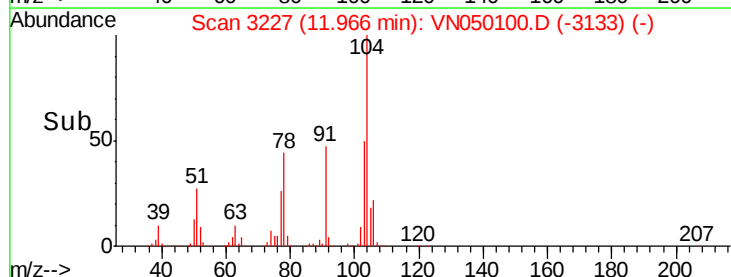
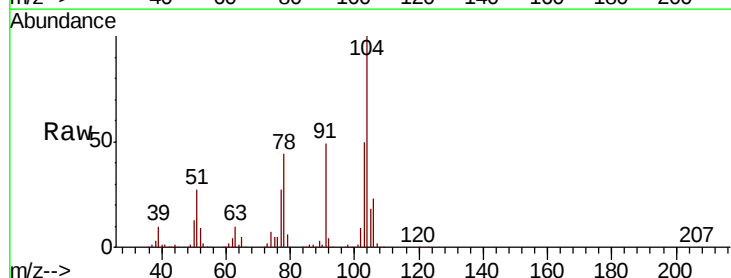
Manual Integrations
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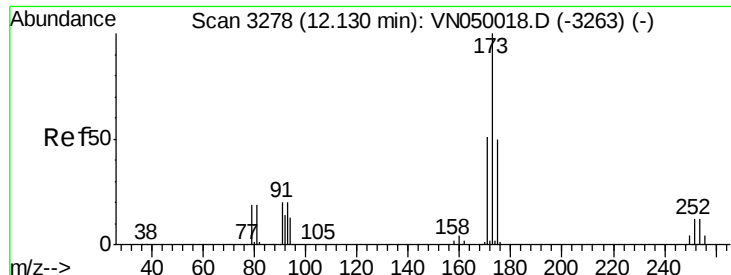
MMDadoda
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#70
Styrene
Concen: 18.80 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.9	39.3	58.9	
103	56.3	45.0	67.6	





#71

Bromoform

Concen: 18.75 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS02

Tot Ion:173 Resp: 117009

Ion Ratio Lower Upper

173 100

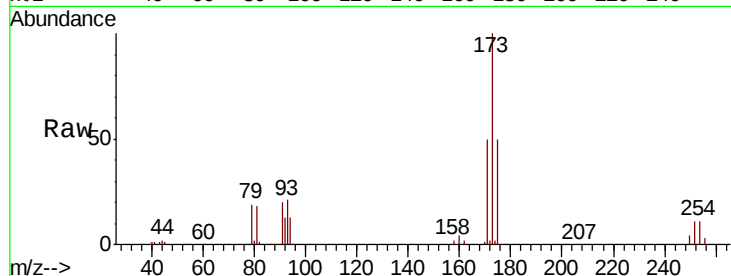
175 48.2 24.1 72.2

254 0.1 0.2 0.2#

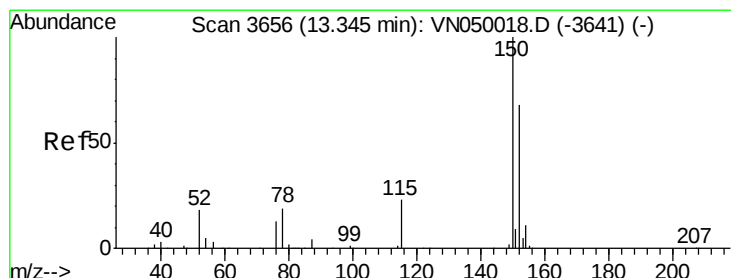
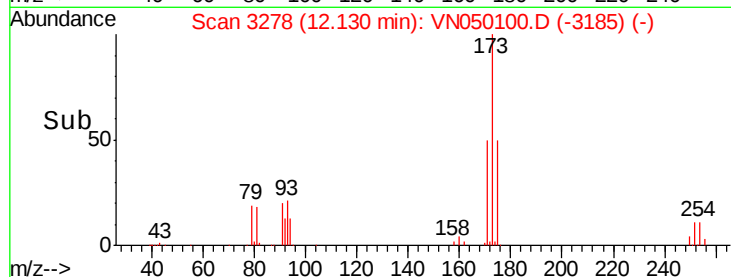
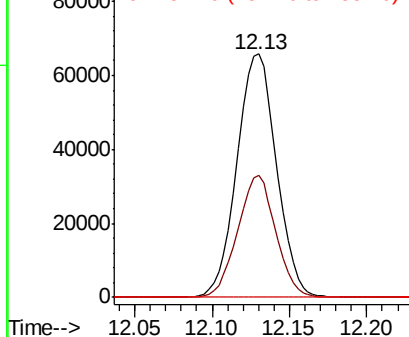
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

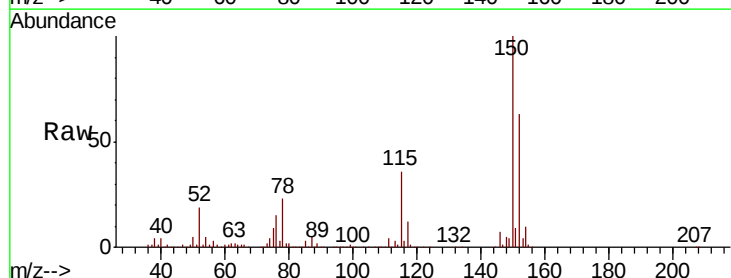
Tgt Ion:152 Resp: 439381

Ion Ratio Lower Upper

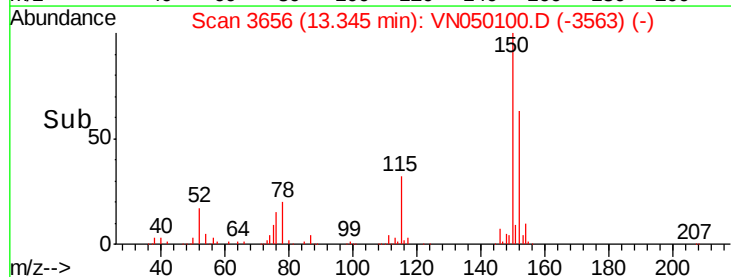
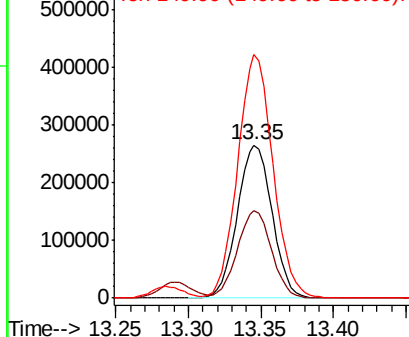
152 100

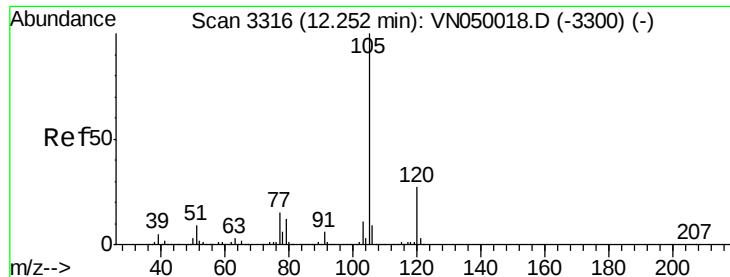
115 56.6 27.8 83.3

150 163.1 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.76 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS02

Tot Ion: 105 Resp: 707572

Ion Ratio Lower Upper

105 100

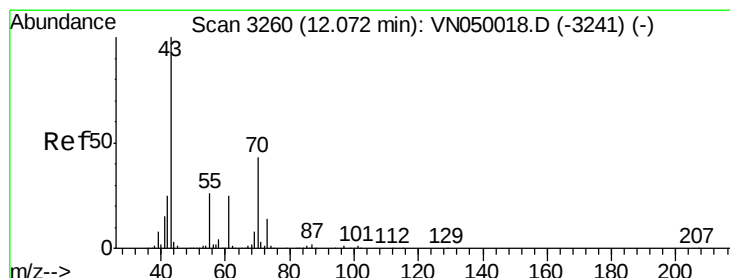
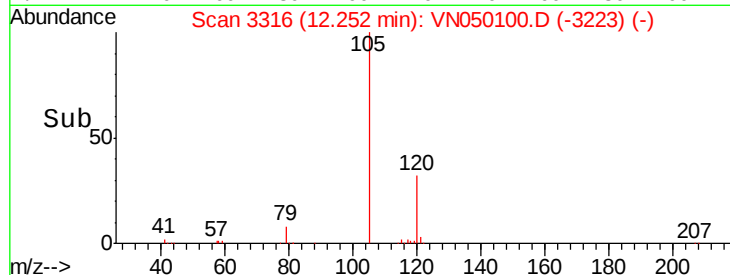
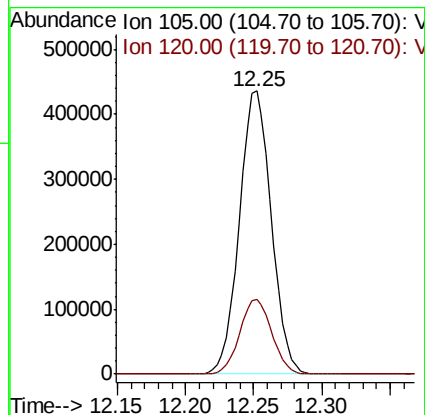
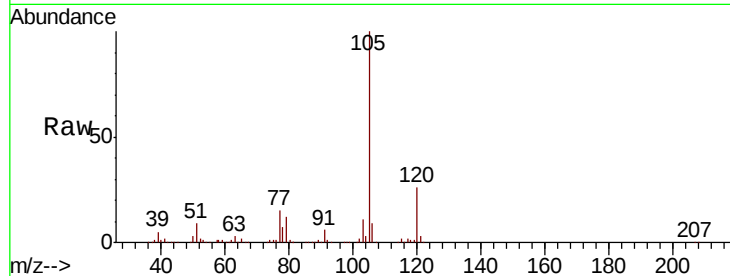
120 26.5 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.32 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion: 43 Resp: 201261

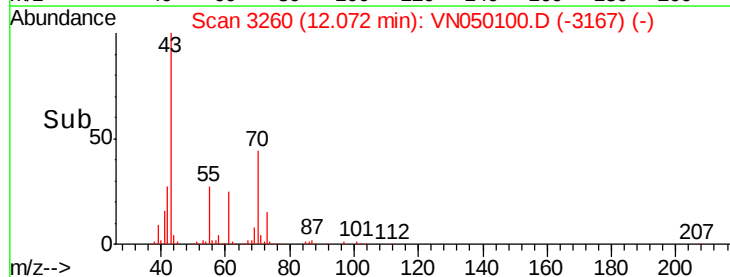
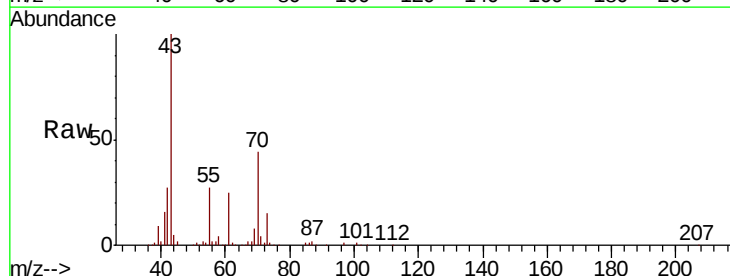
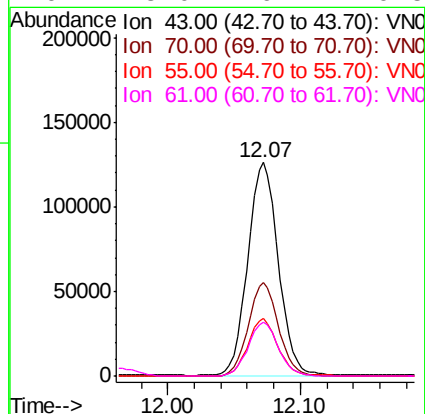
Ion Ratio Lower Upper

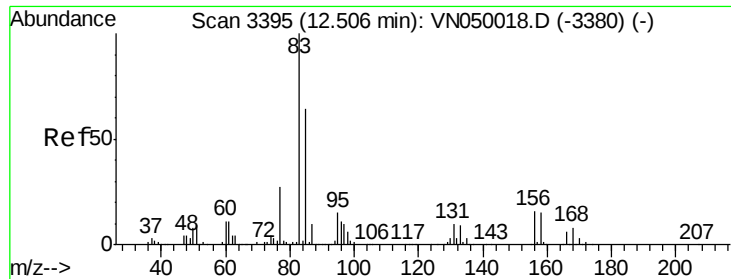
43 100

70 43.1 34.4 51.6

55 26.2 20.8 31.2

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS02

Tot Ion: 83 Resp: 196935

Ion Ratio Lower Upper

83 100

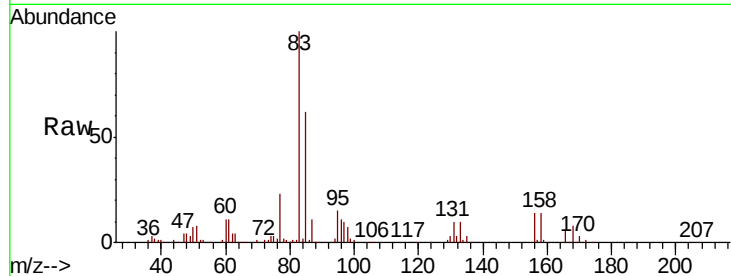
131 10.3 5.1 15.3

85 64.2 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

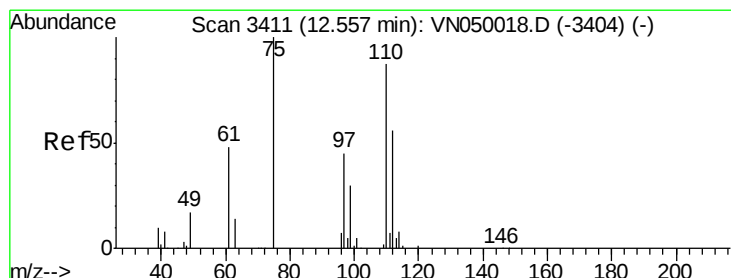
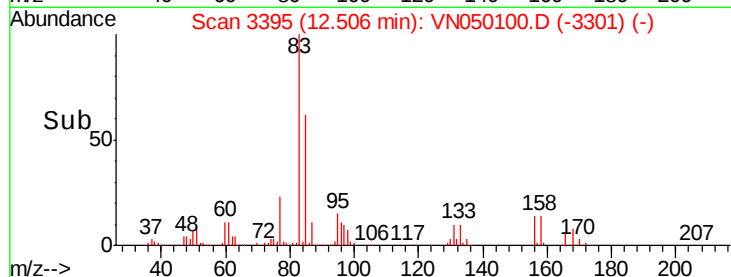
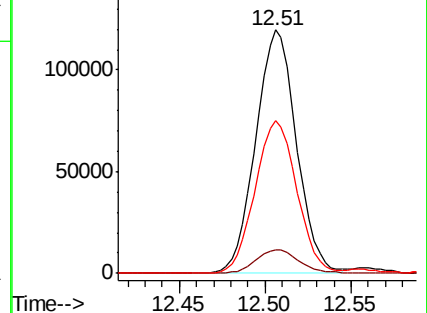
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 20.55 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050100.D

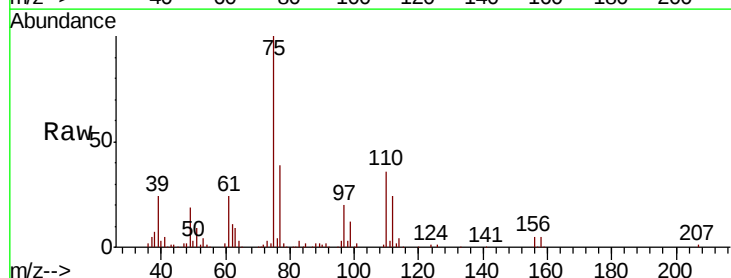
Acq: 26 Jul 2018 23:31

Tgt Ion: 75 Resp: 167806

Ion Ratio Lower Upper

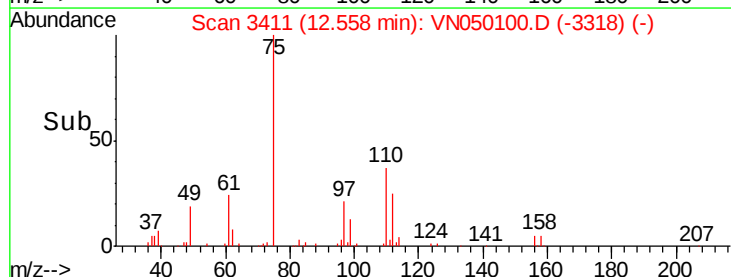
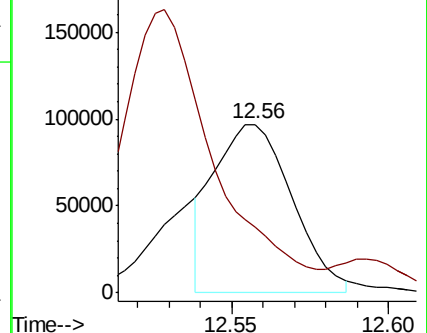
75 100

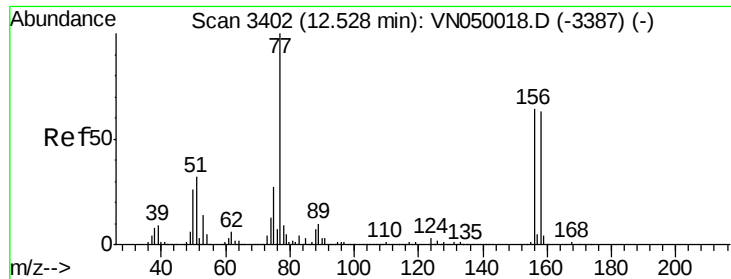
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.35 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

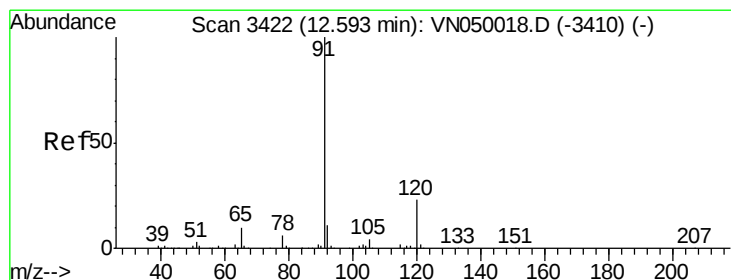
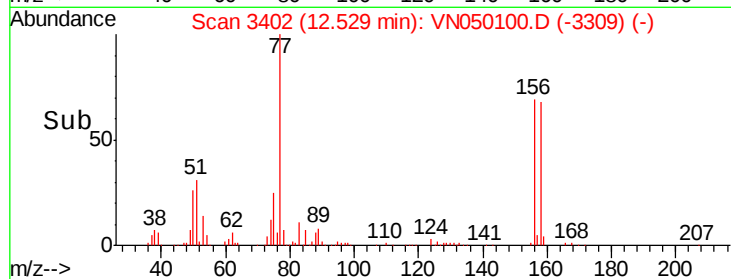
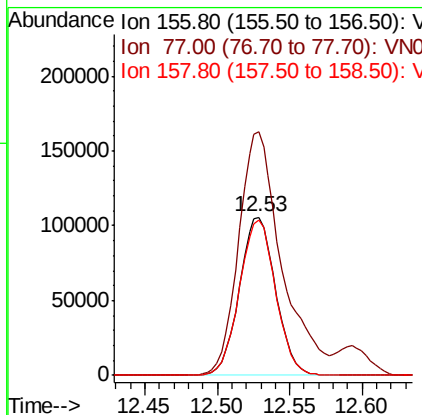
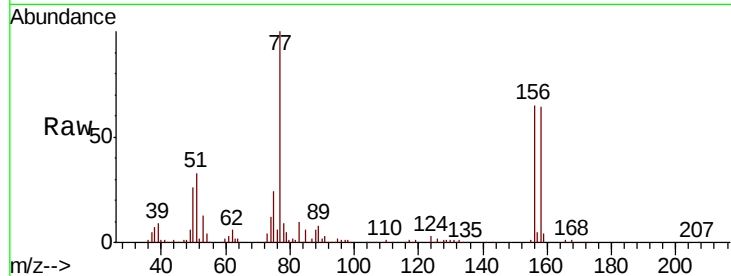
ClientSampled :

VN0726WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		182751		
77	183.4	91.7	275.1		
158	98.3	48.9	146.6		

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#78

n-propylbenzene

Concen: 20.92 ug/l

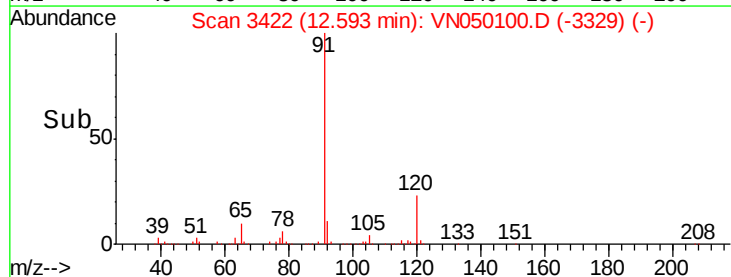
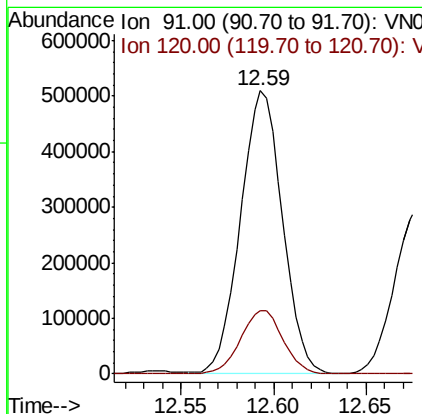
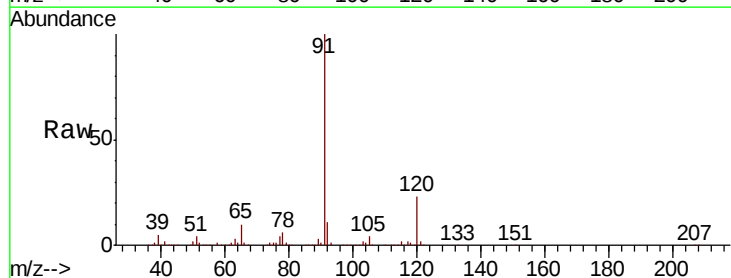
RT: 12.59 min Scan# 3422

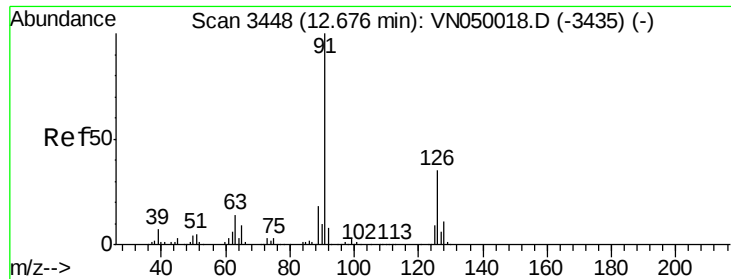
Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		796855		
120	22.6	11.6	34.7		





#79

2-Chlorotoluene

Concen: 20.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS02

Tot Ion: 91 Resp: 491478

Ion Ratio Lower Upper

91 100

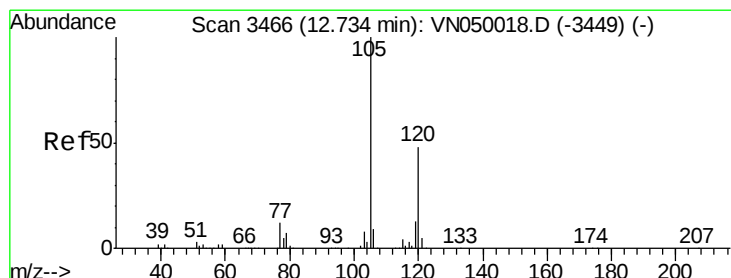
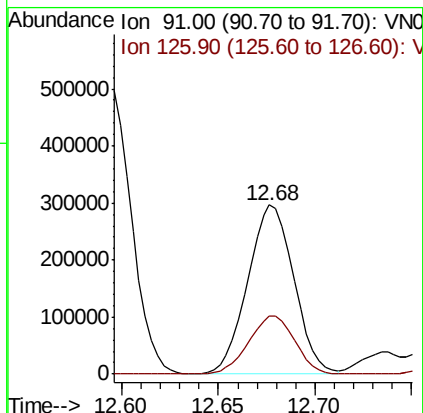
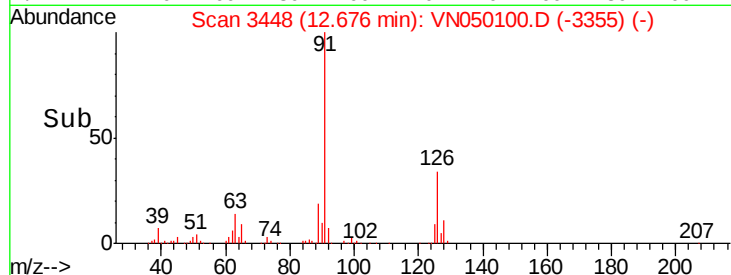
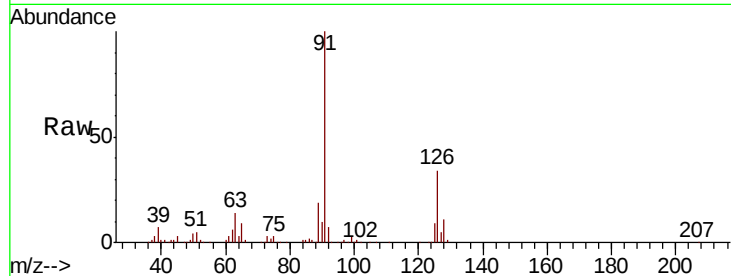
126 34.6 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.41 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050100.D

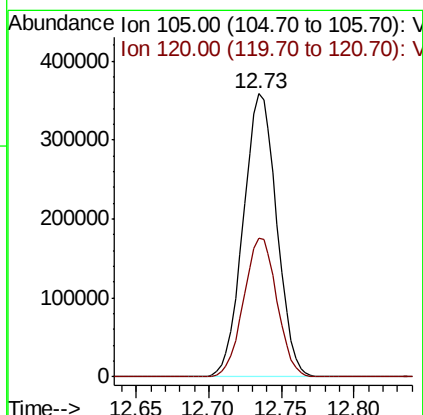
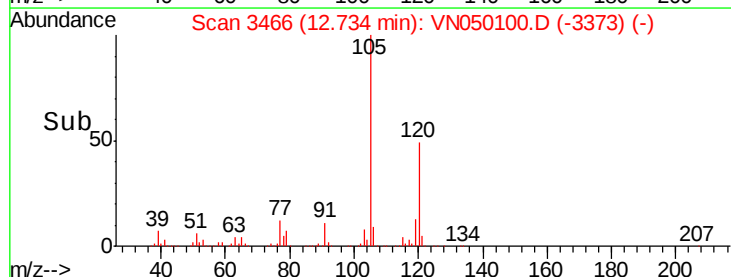
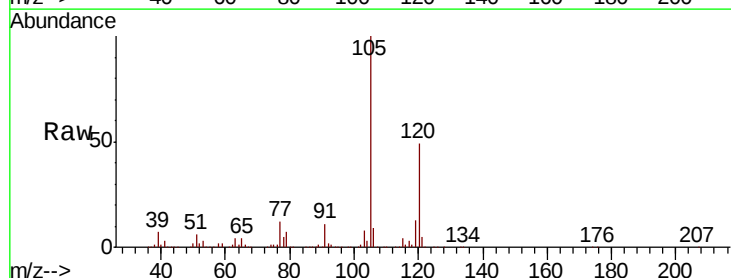
Acq: 26 Jul 2018 23:31

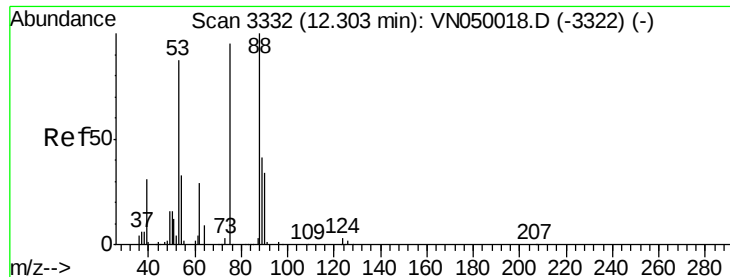
Tgt Ion: 105 Resp: 573790

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.61 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

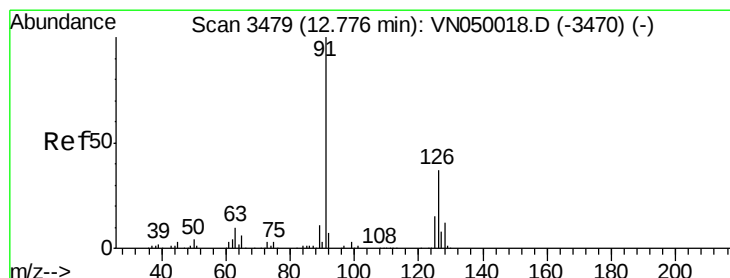
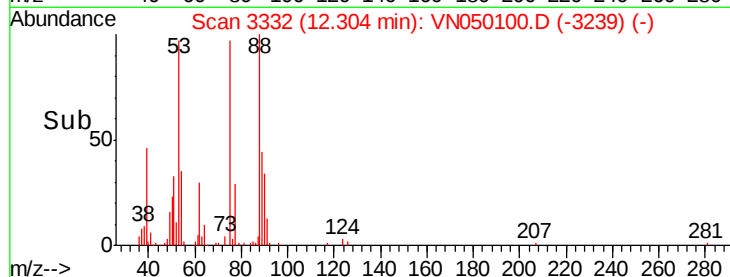
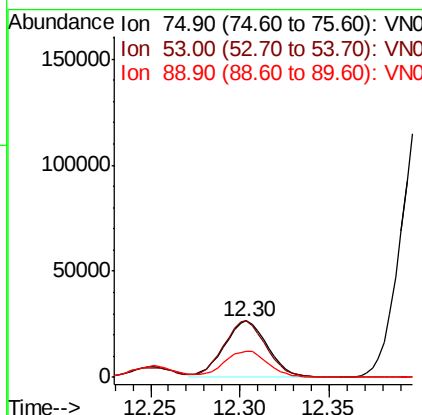
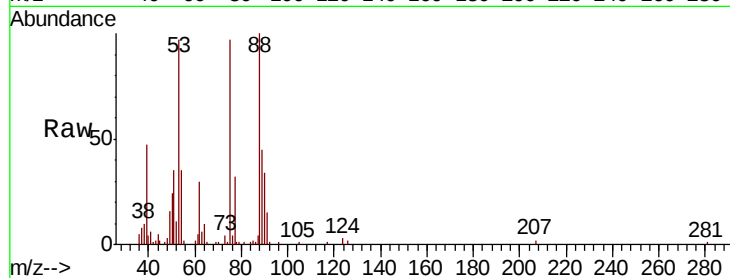
ClientSampled :

VN0726WBS02

Tot Ion:	75	Resp:	45324
Ion	Ratio	Lower	Upper
75	100		
53	98.0	73.5	110.3
89	46.5	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.65 ug/l

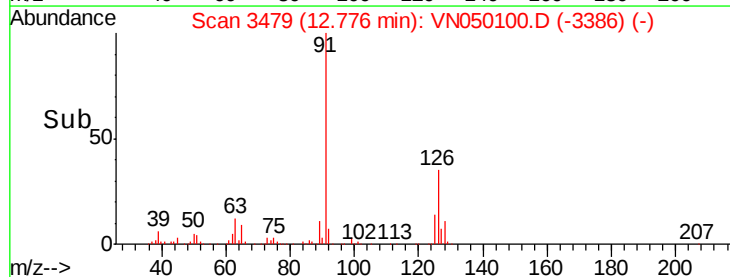
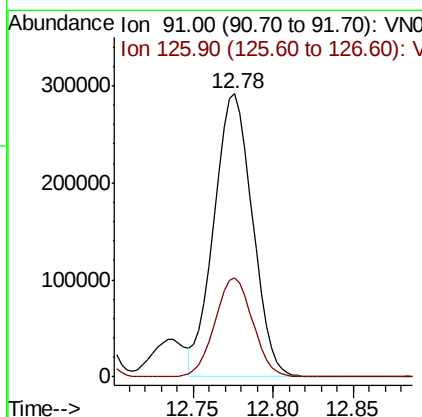
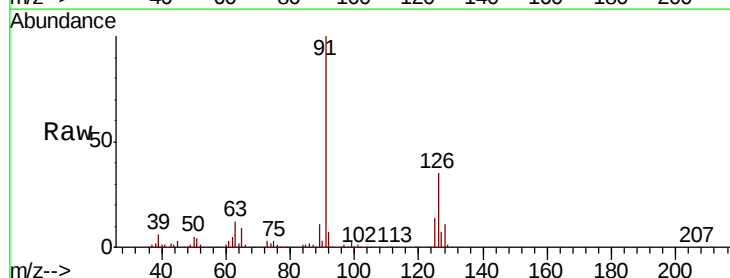
RT: 12.78 min Scan# 3479

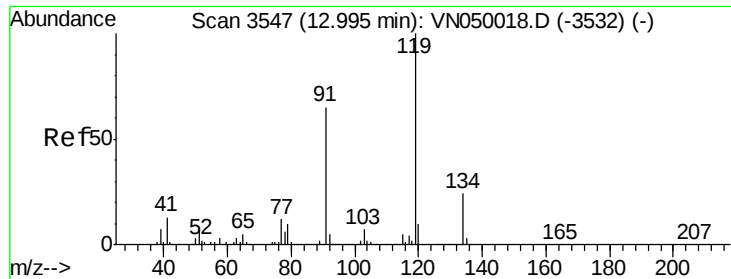
Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion:	91	Resp:	482684
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0





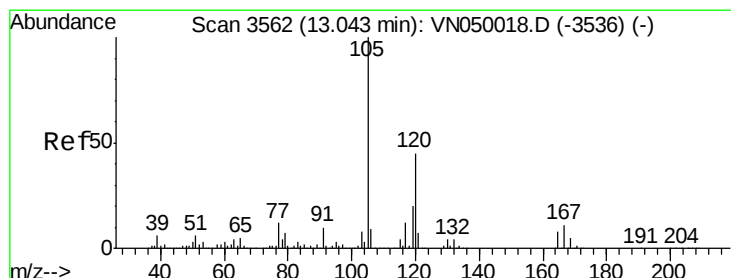
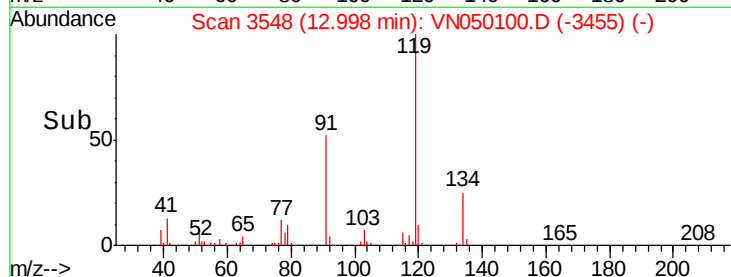
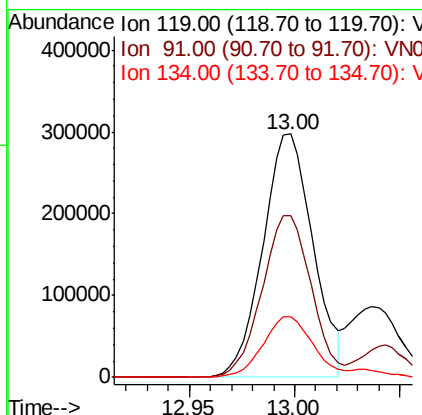
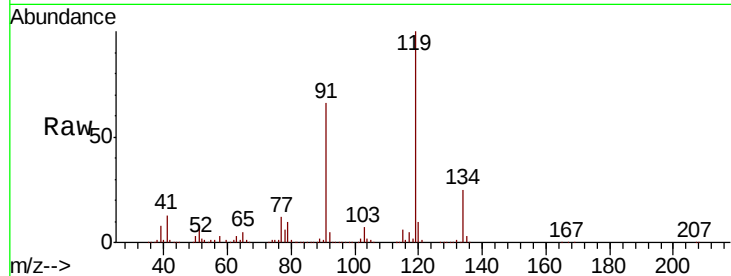
#83
 tert-Butylbenzene
 Concen: 21.06 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.1	96.3
134	25.2	13.2	39.5

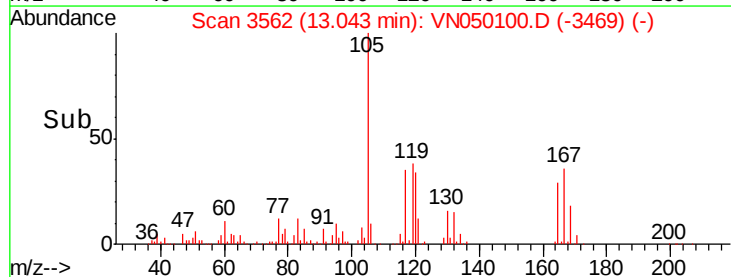
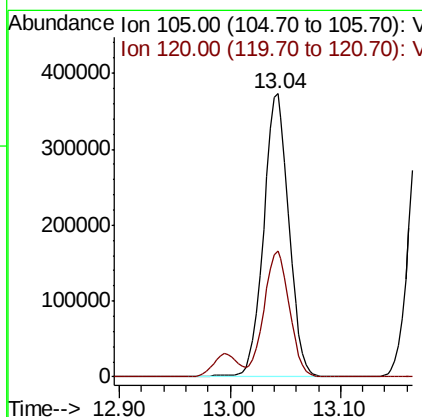
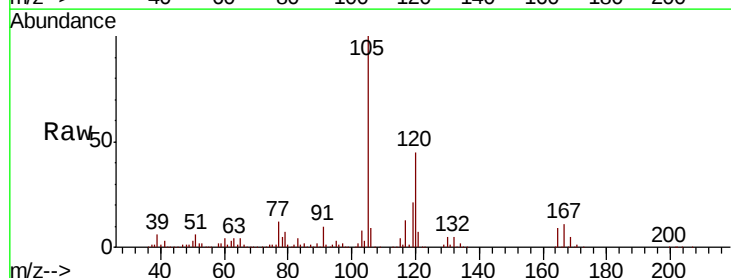
Manual Integrations
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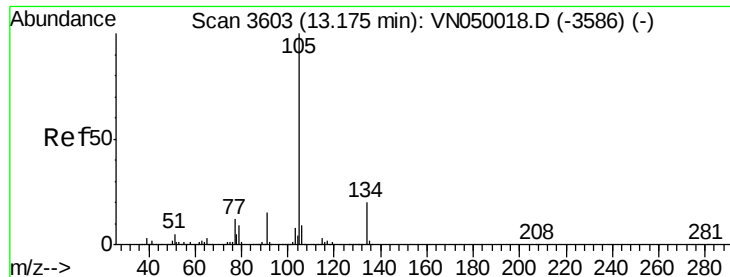
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.86 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.9	68.7





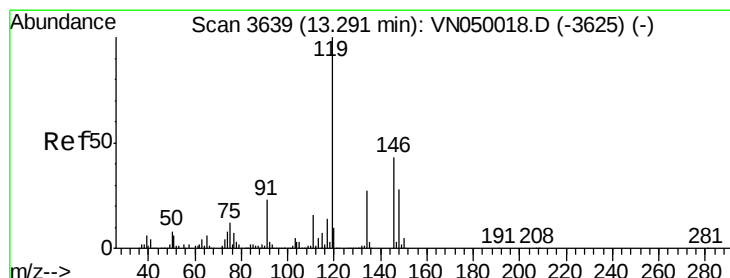
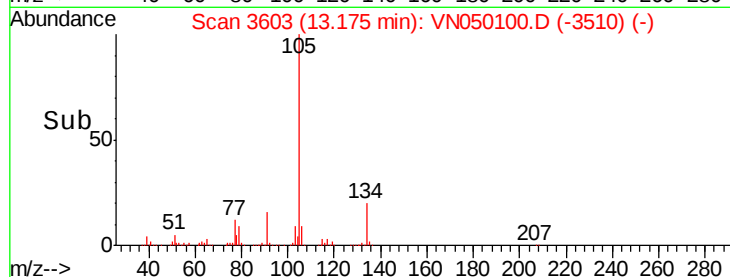
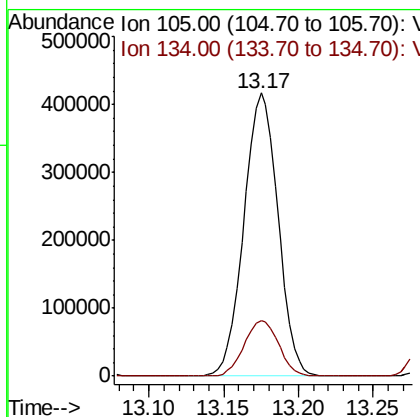
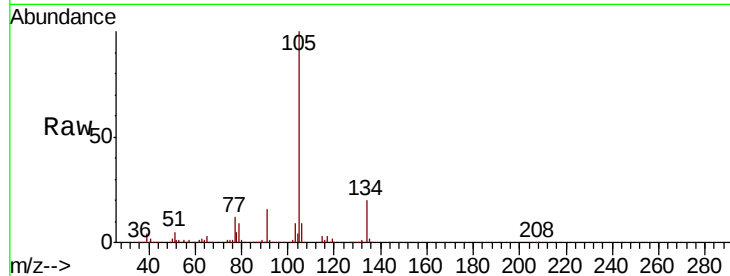
#85
 sec-Butylbenzene
 Concen: 21.12 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.1

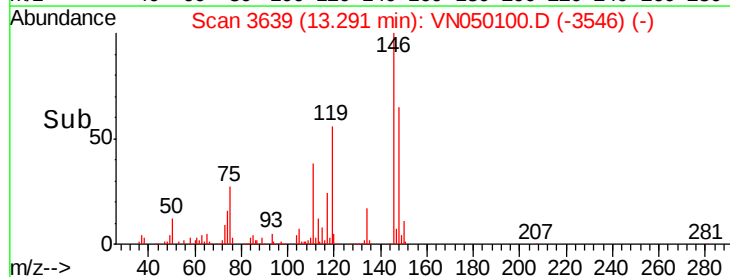
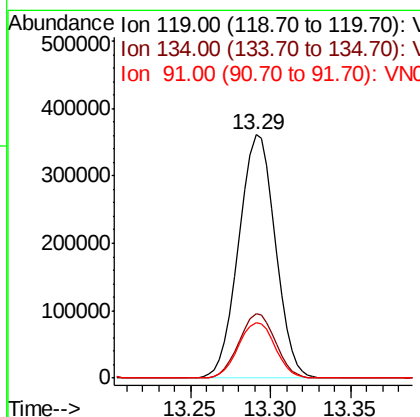
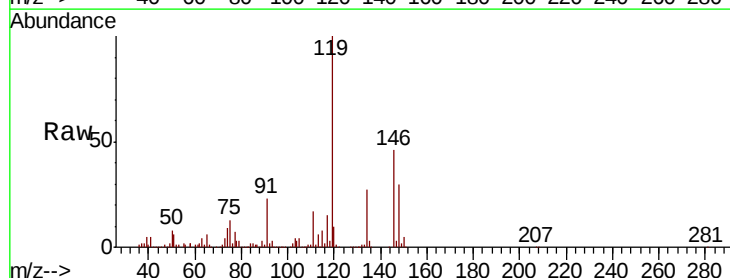
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#86
 p-Isopropyltoluene
 Concen: 21.30 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	23.0	11.4	34.2





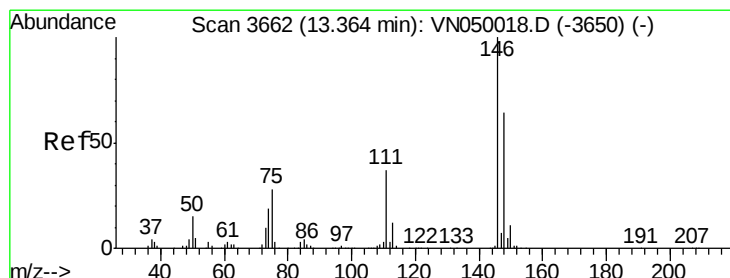
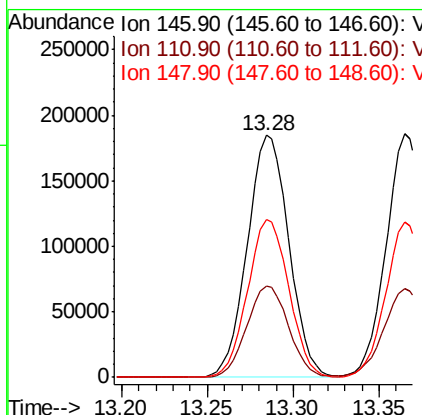
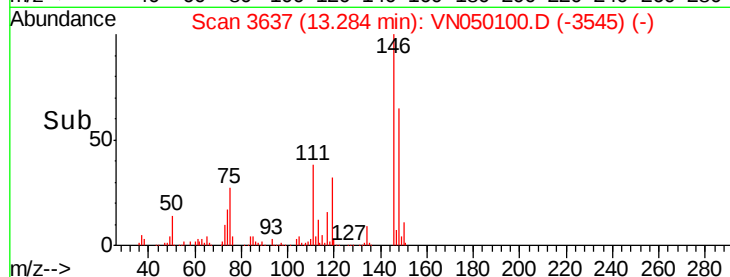
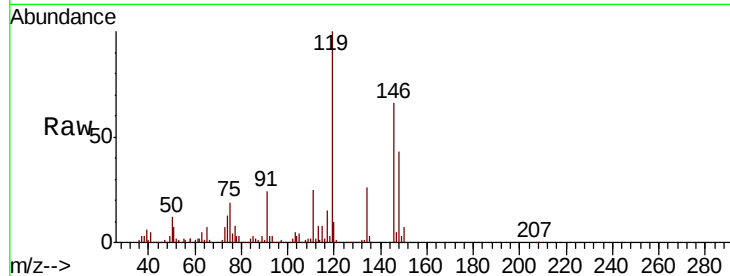
#87
 1,3-Dichlorobenzene
 Concen: 19.35 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.7	31.9	95.9

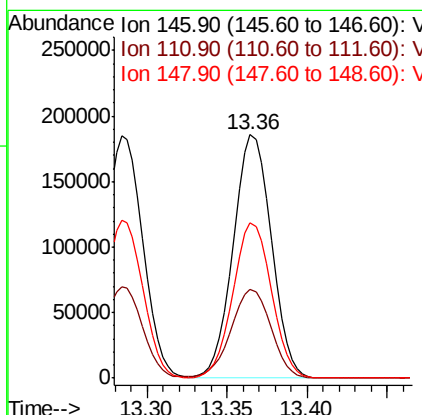
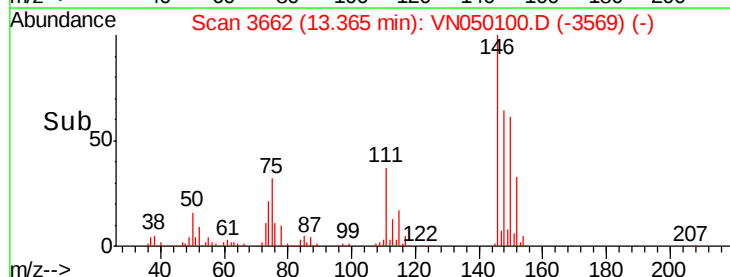
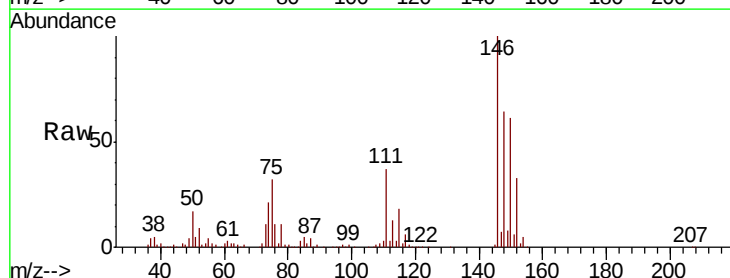
Manual Integrations
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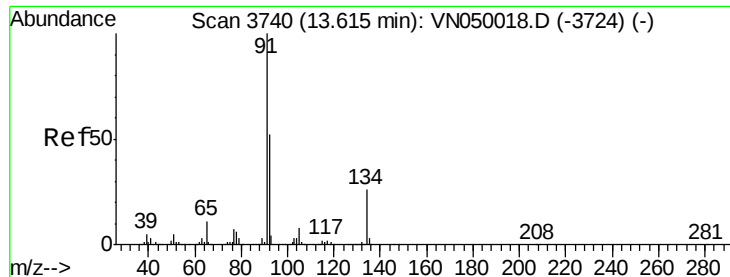
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#88
 1,4-Dichlorobenzene
 Concen: 19.31 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.3	54.9
148	64.4	31.9	95.9





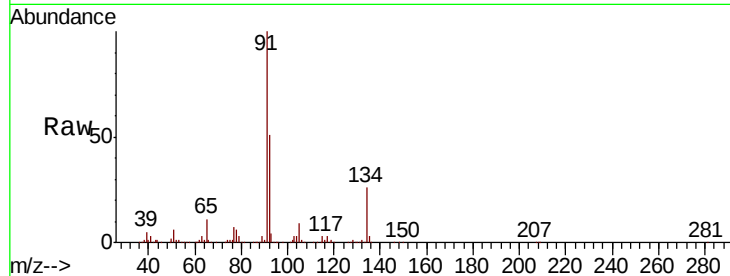
#89
n-Butylbenzene
Concen: 19.72 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	25.7	12.8	38.4

Manual Integrations
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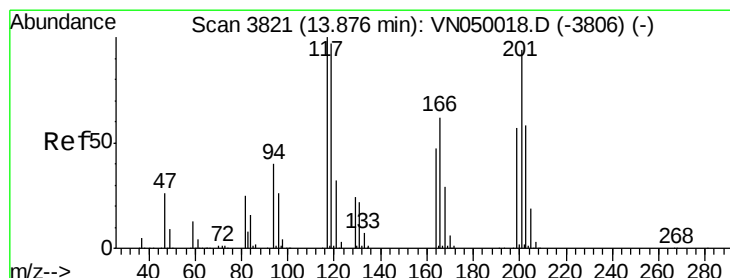
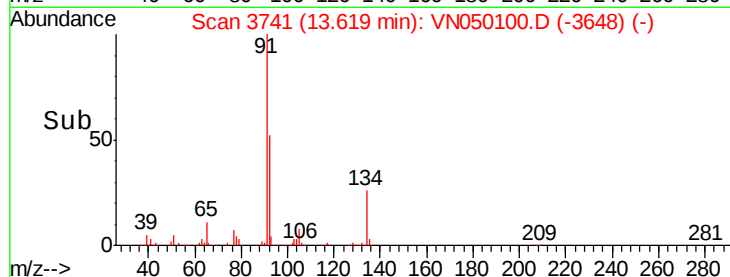
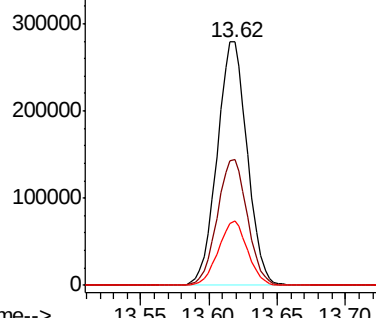


Abundance

Ion 91.00 (90.70 to 91.70): VN050100.D (-3724) (-)

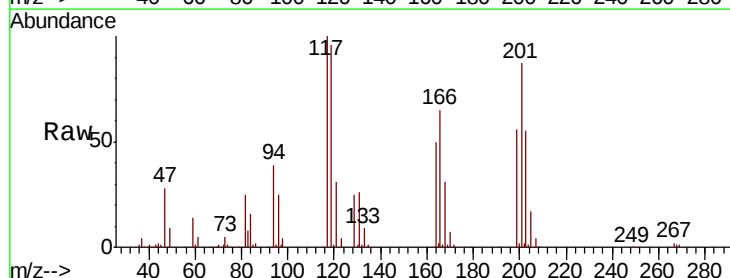
Ion 92.00 (91.70 to 92.70): VN050100.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050100.D (-3724) (-)



#90
Hexachloroethane
Concen: 17.89 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

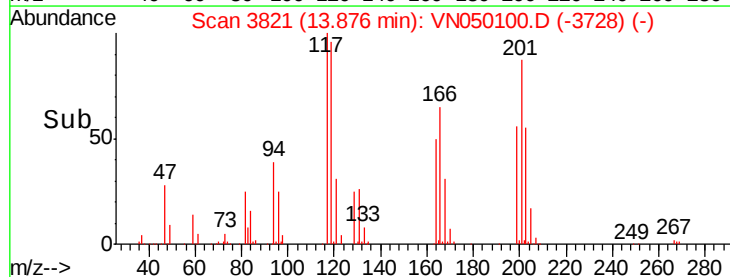
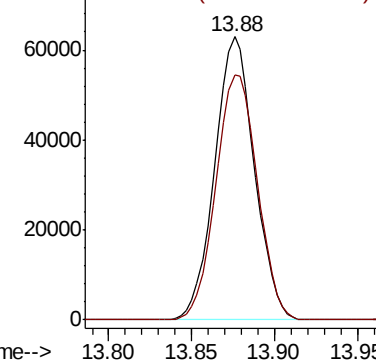
Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	45.6	136.8

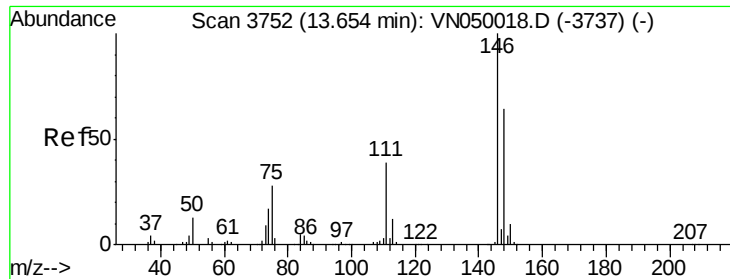


Abundance

Ion 116.80 (116.50 to 117.50): VN050100.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050100.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 19.84 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Instrument :

MSVOA_N

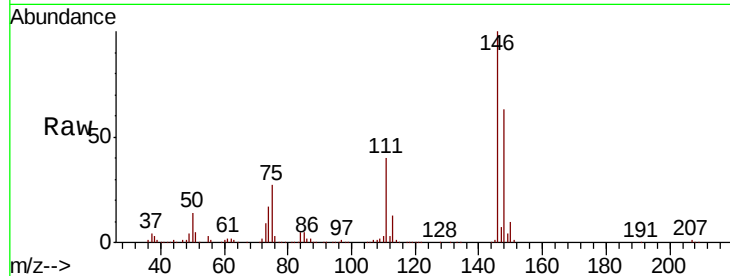
ClientSampleId :

VN0726WBS02

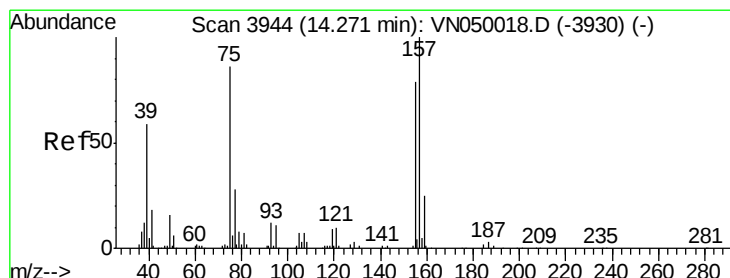
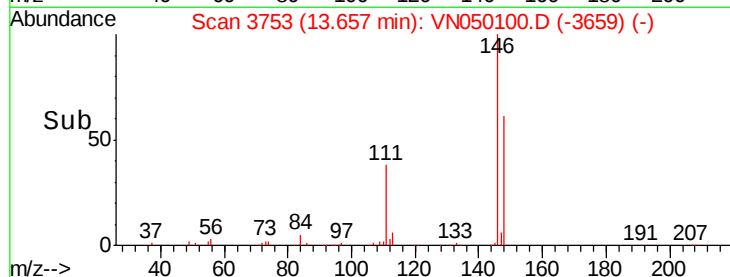
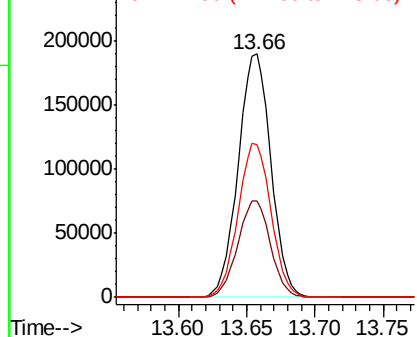
Tot Ion:	146	Resp:	317493
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.6	58.7
148	63.5	32.1	96.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.59 ug/l

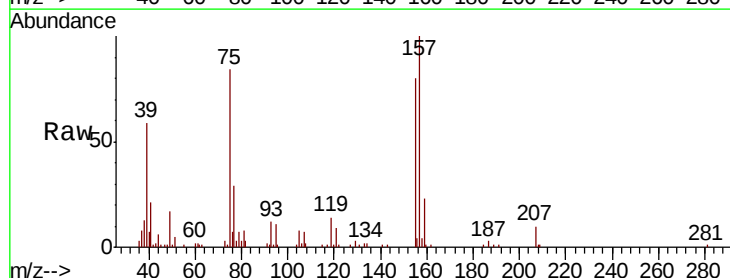
RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

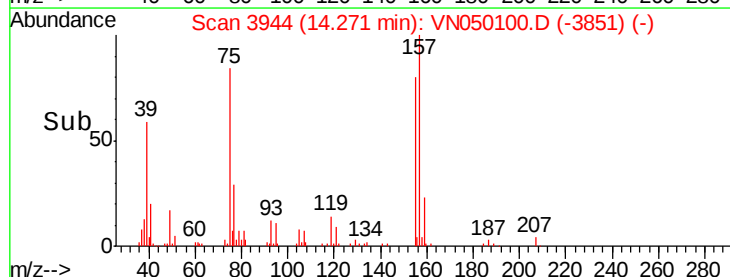
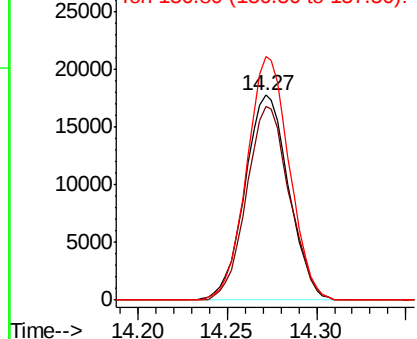
Lab File: VN050100.D

Acq: 26 Jul 2018 23:31

Tgt Ion:	75	Resp:	30497
Ion Ratio	Lower	Upper	
75	100		
155	92.4	44.8	134.4
157	115.3	57.2	171.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





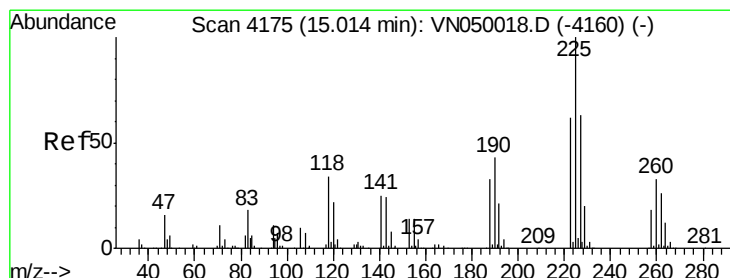
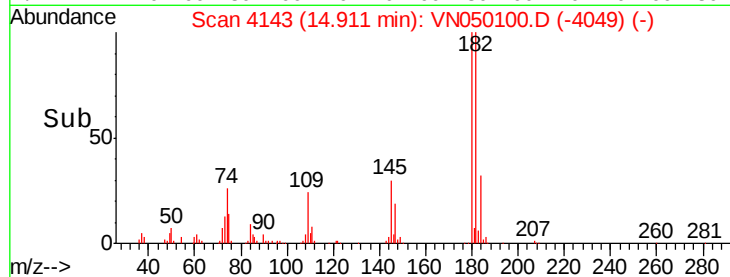
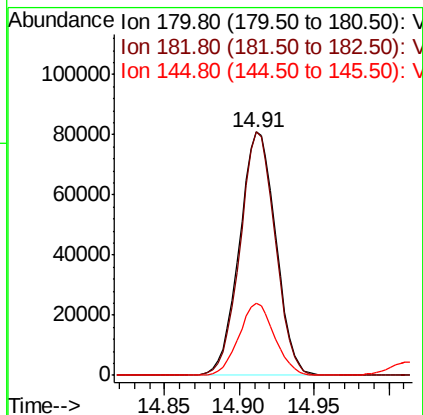
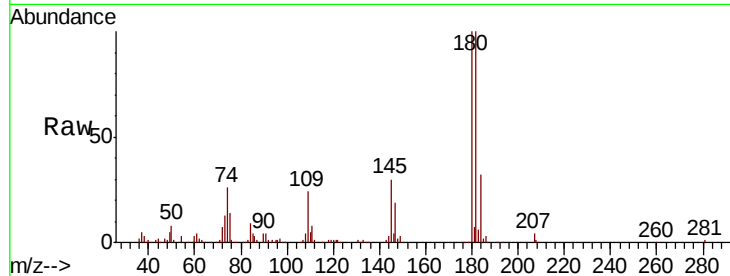
#93
 1,2,4-Trichlorobenzene
 Concen: 18.20 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.7	140.1
145	29.1	13.8	41.4

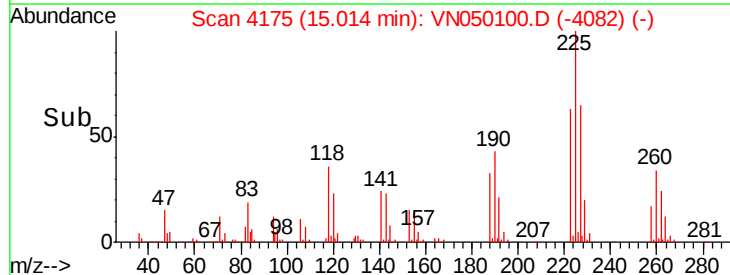
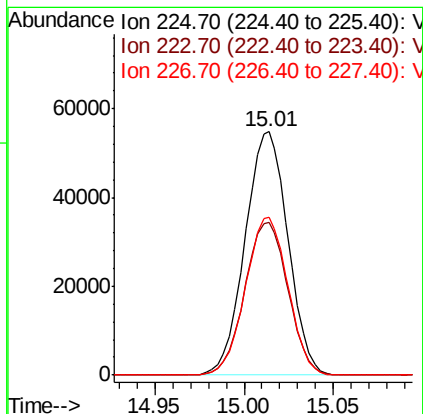
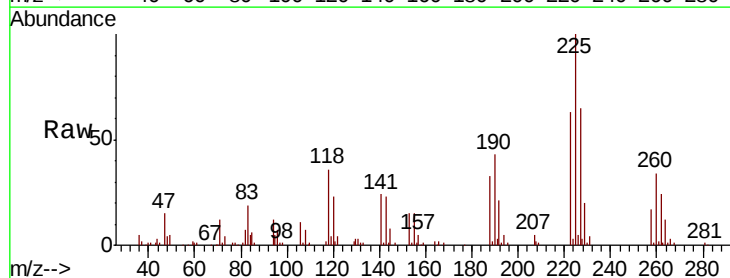
Manual Integrations
 APPROVED

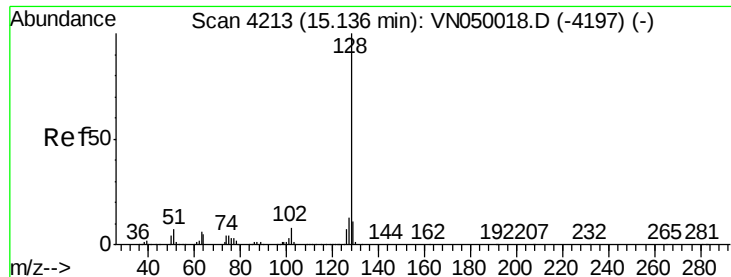
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 18.80 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050100.D
 Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.2
227	63.9	32.1	96.5





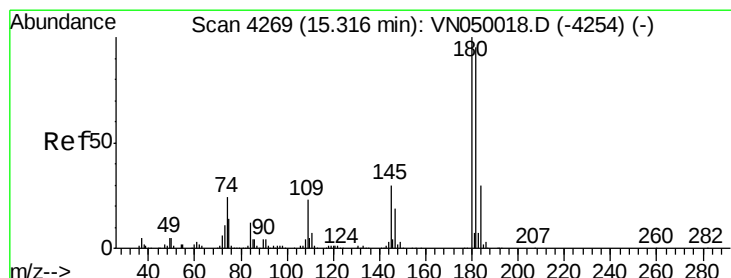
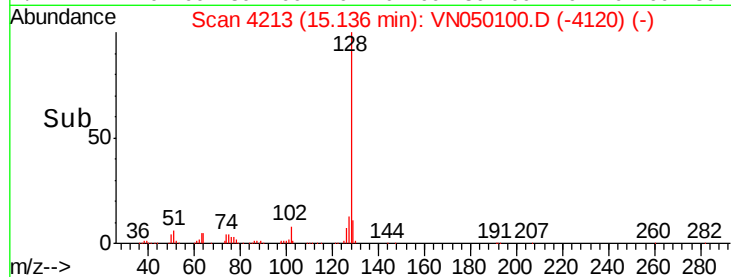
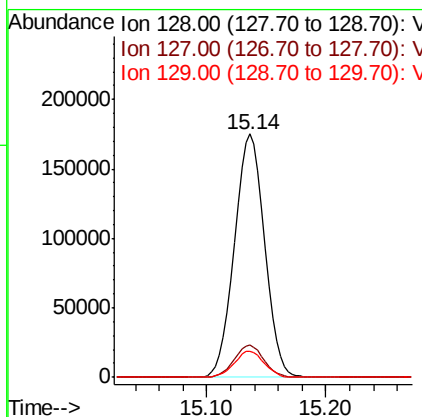
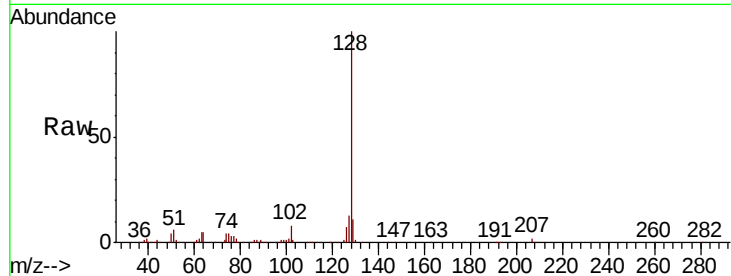
#95
Naphthalene
Concen: 18.39 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/27/2018 12:16:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.17 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050100.D
Acq: 26 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	30.1	15.3	45.9

