

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064756.D
 Acq On : 20 Nov 2020 3:31
 Operator : JC/MD
 Sample : L4800-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 20 06:48:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	289414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	587616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	613104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	263523	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	248123	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	7.55	113	191952	57.39	ug/l	0.00
Spiked Amount			Recovery	=	114.78%	
50) Toluene-d8	10.06	98	749666	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.37	95	288884	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	

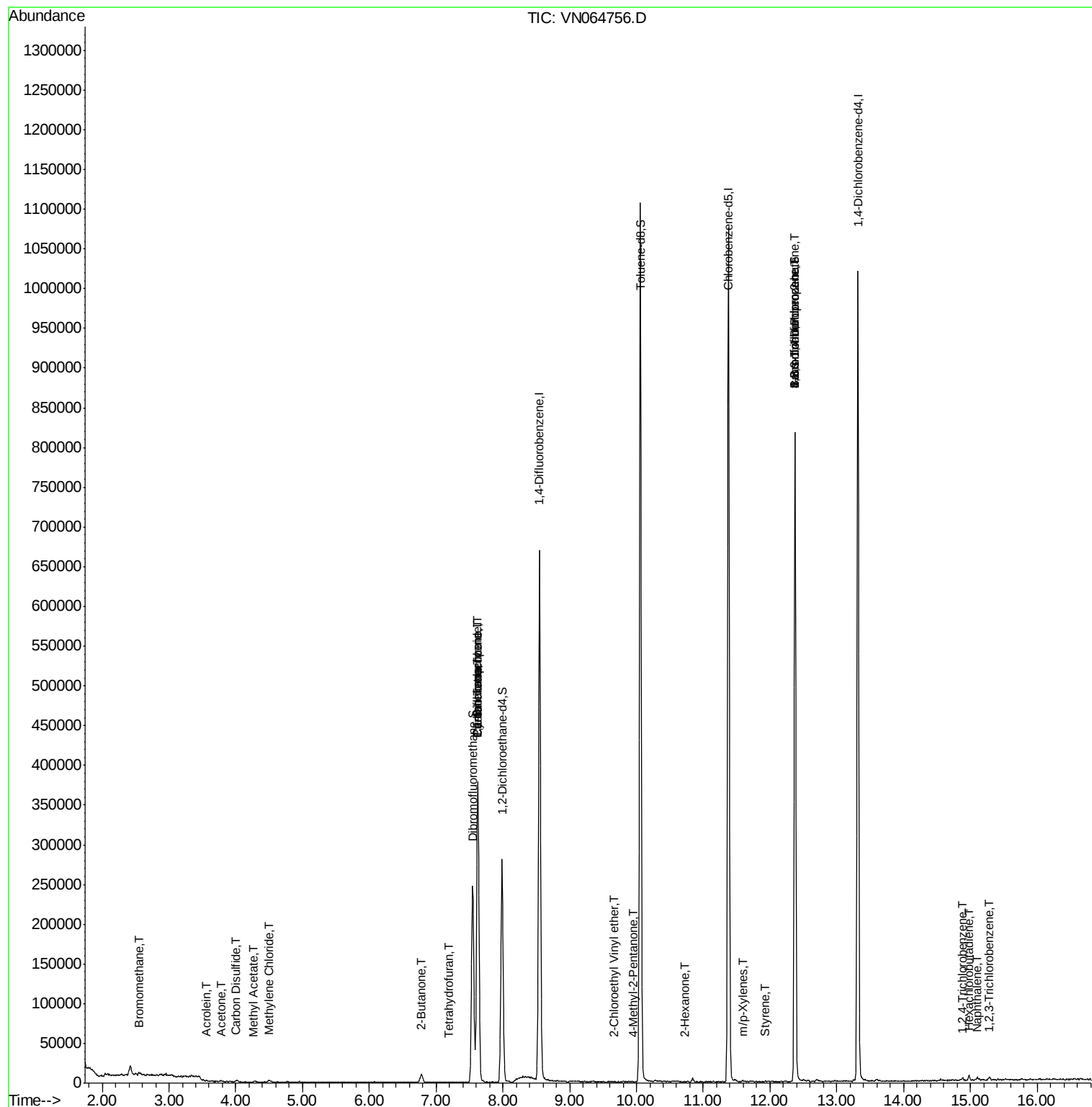
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	1373	0.449	ug/l	80
13) Acrolein	3.57	56	80	0.692	ug/l #	1
16) Acetone	3.78	43	1022	5.877	ug/l	99
17) Carbon Disulfide	4.00	76	2753	0.435	ug/l #	75
18) Methyl Acetate	4.27	43	502	1.465	ug/l #	54
20) Methylene Chloride	4.49	84	962	0.255	ug/l #	82
25) 2-Butanone	6.78	43	856	0.440	ug/l #	51
29) Tetrahydrofuran	7.18	42	277	0.211	ug/l #	63
31) Cyclohexane	7.62	56	7138	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	26213	4.336	ug/l #	51
38) Carbon Tetrachloride	7.63	117	31604	4.919	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	265	6.173	ug/l #	39
58) 2-Chloroethyl Vinyl ether	9.68	63	32	13.280	ug/l #	49
59) 2-Hexanone	10.73	43	329	8.513	ug/l #	28
68) m/p-Xylenes	11.59	106	805	4.145	ug/l #	55
70) Styrene	11.94	104	455	2.564	ug/l #	60
71) Bromoform	12.38	173	1177	2.742	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	149119	26.263	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	149119	67.138	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.89	180	1306	1.610	ug/l	79
94) Hexachlorobutadiene	14.98	225	1532	0.334	ug/l	86
95) Naphthalene	15.11	128	3999	0.270	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.28	180	498	0.870	ug/l #	1

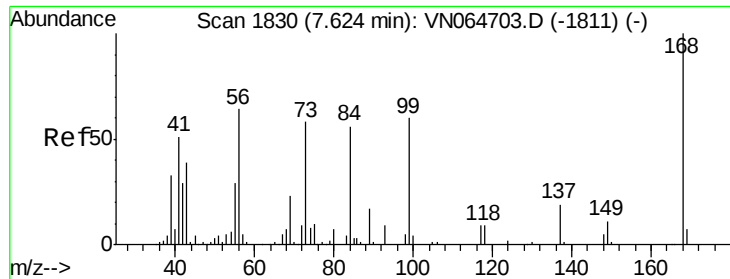
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064756.D

Acq: 20 Nov 2020 3:31

Instrument :

MSVOA_N

ClientSampleId :

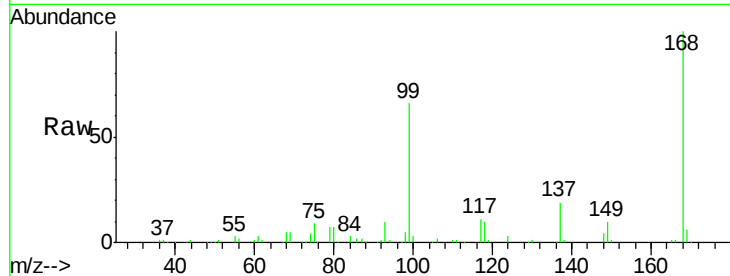
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Tot Ion:168 Resp: 289414

Ion Ratio Lower Upper

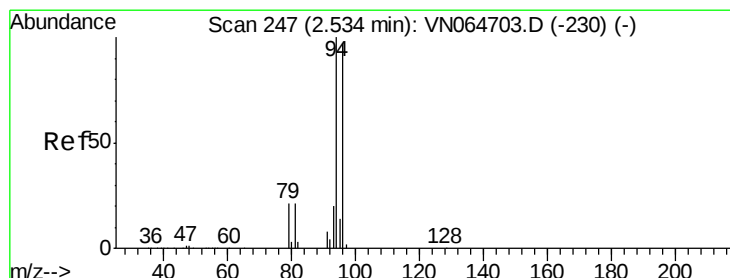
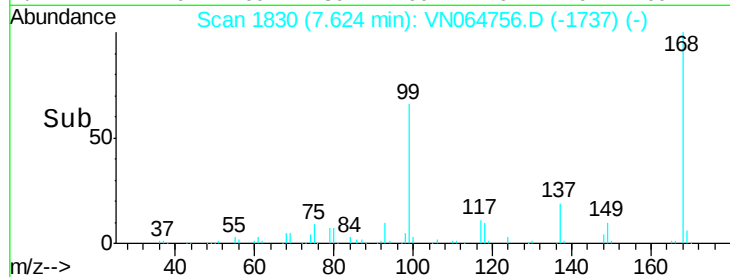
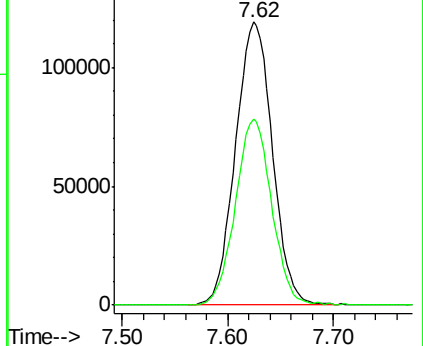
168 100

99 65.6 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 0.449 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN064756.D

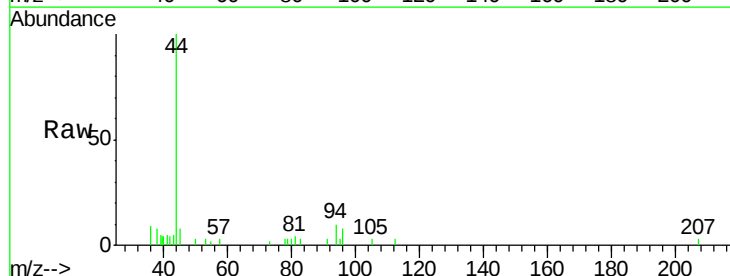
Acq: 20 Nov 2020 3:31

Tgt Ion: 94 Resp: 1373

Ion Ratio Lower Upper

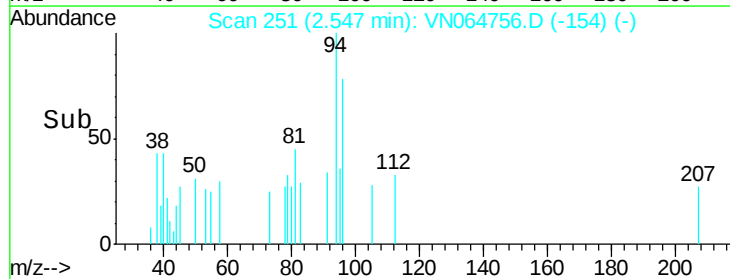
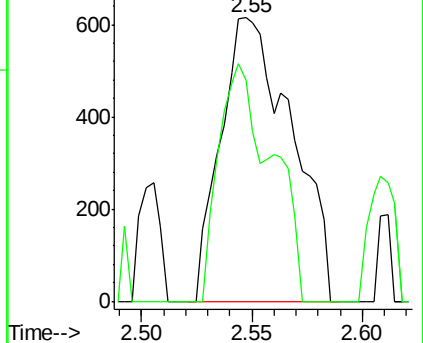
94 100

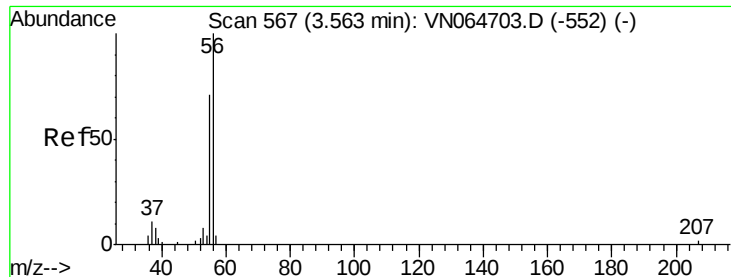
96 78.0 77.8 116.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#13

Acrolein

Concen: 0.692 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064756.D

Acq: 20 Nov 2020 3:31

Instrument :

MSVOA_N

ClientSampled :

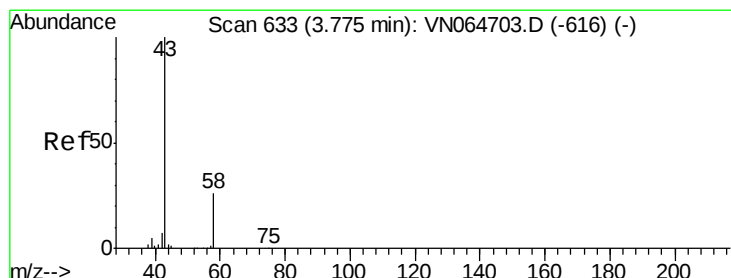
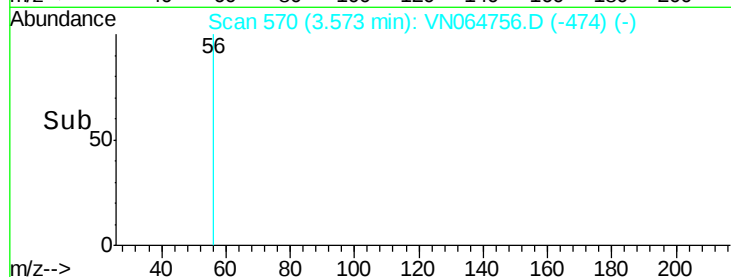
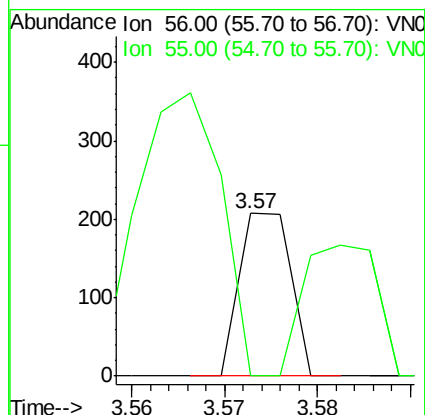
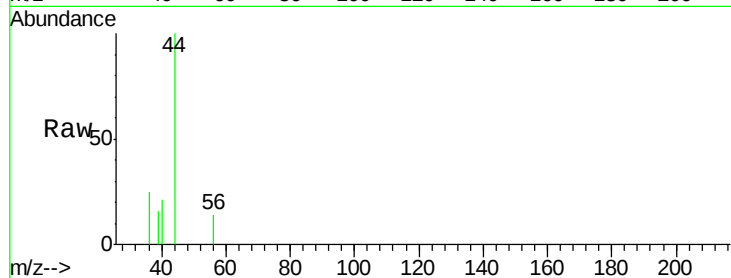
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Tot Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 280.0 61.8 92.6#



#16

Acetone

Concen: 5.877 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064756.D

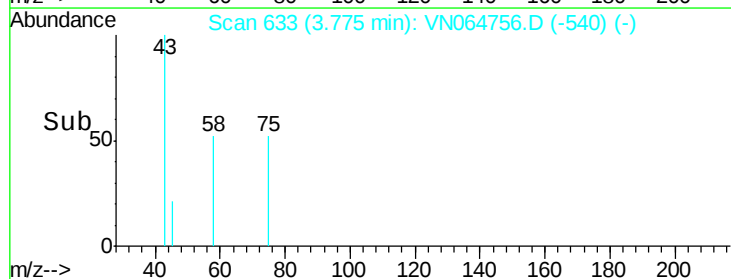
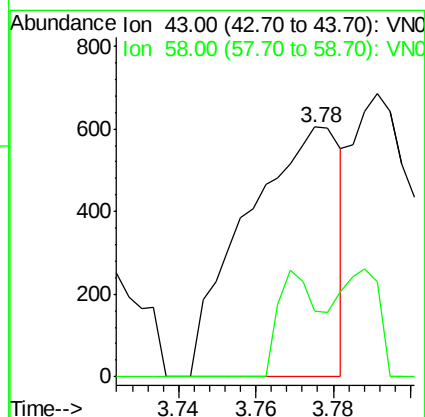
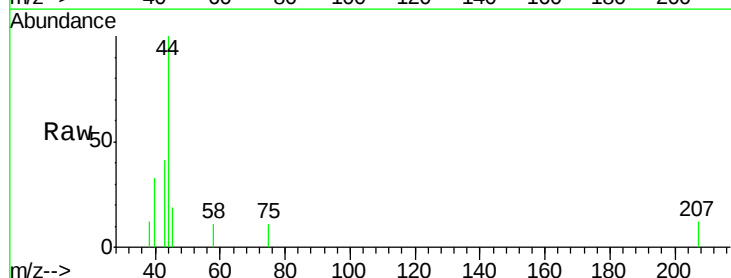
Acq: 20 Nov 2020 3:31

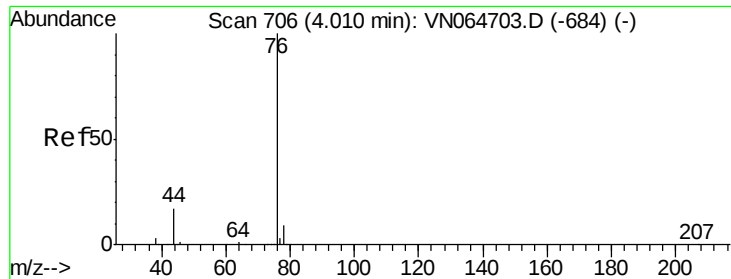
Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

58 26.1 21.2 31.8

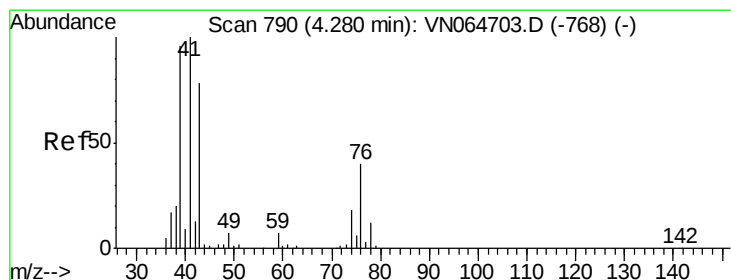
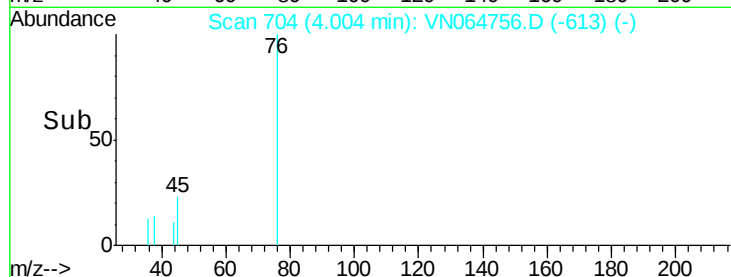
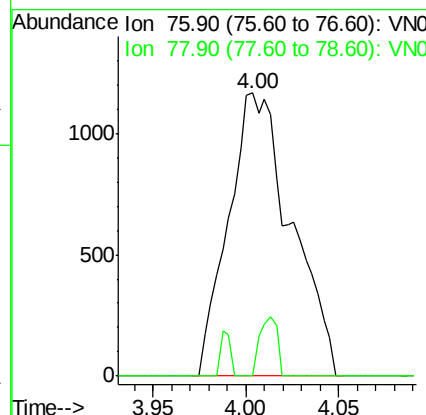
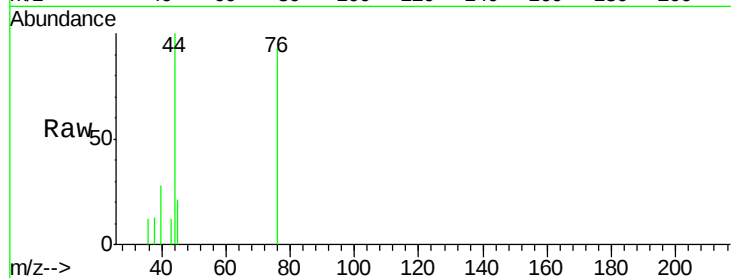




#17
Carbon Disulfide
Concen: 0.435 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

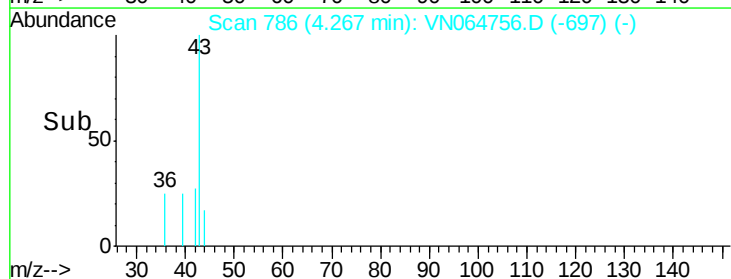
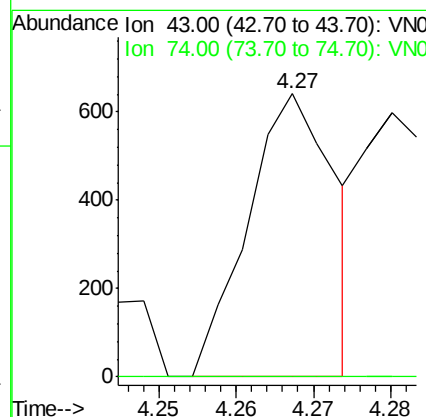
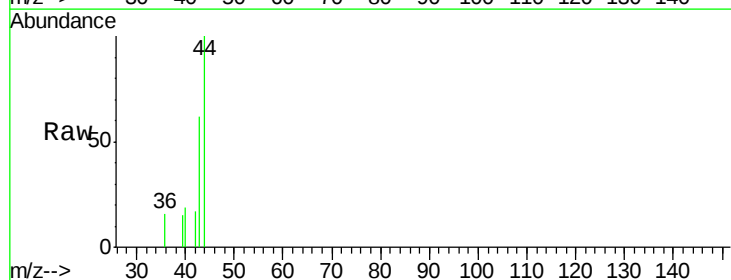
Instrument :
MSVOA_N
ClientSampled :
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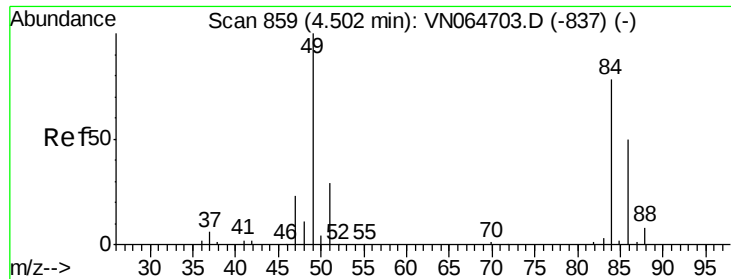
Tot Ion: 76 Resp: 2753
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 1.465 ug/l
RT: 4.27 min Scan# 786
Delta R.T. -0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

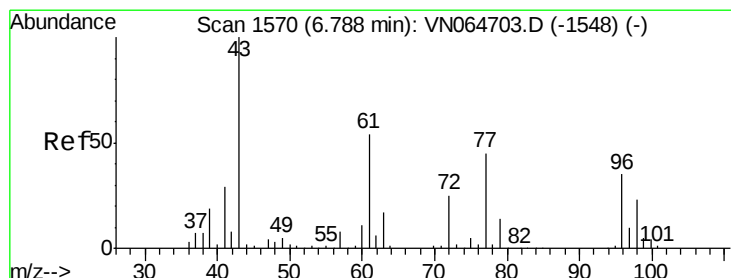
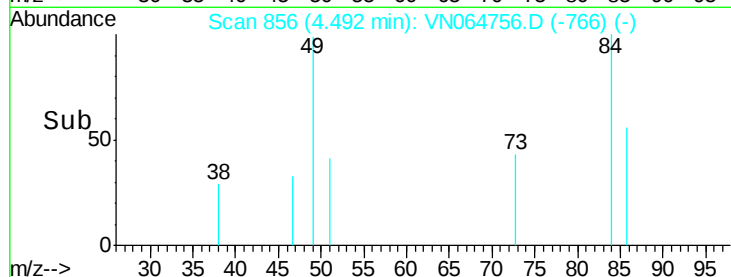
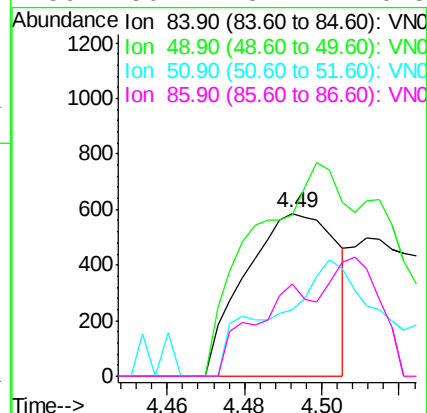
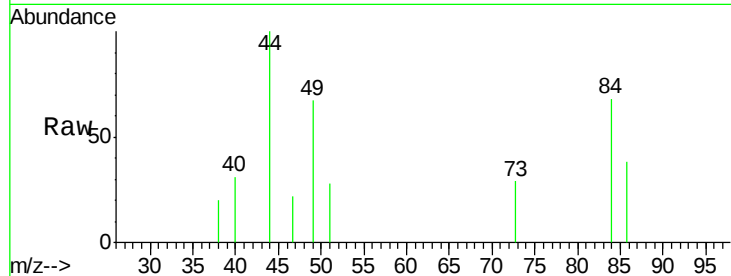




#20
Methvlene Chloride
Concen: 0.255 ug/l
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

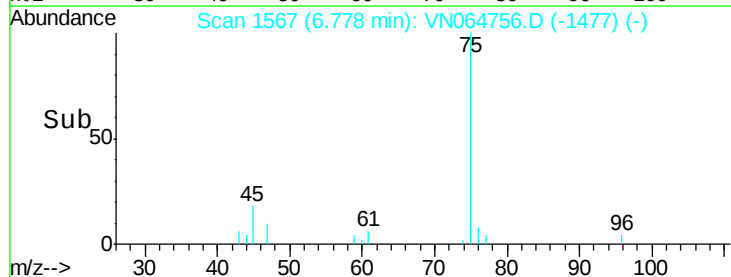
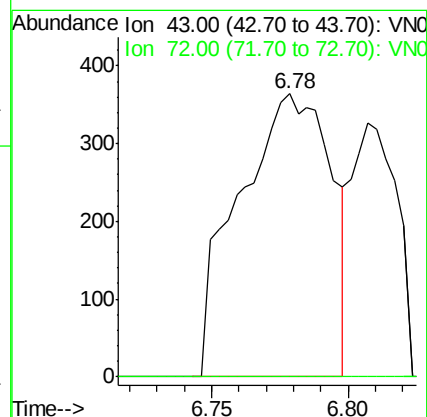
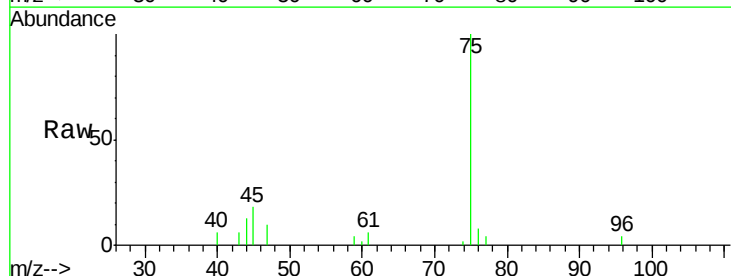
Instrument :
MSVOA_N
ClientSampleId :
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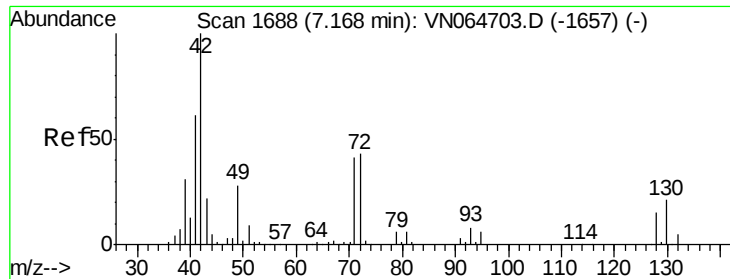
Tot Ion:	84	Resp:	962
Ion	Ratio	Lower	Upper
84	100		
49	99.0	102.4	153.6#
51	40.5	29.4	44.2
86	56.2	51.2	76.8



#25
2-Butanone
Concen: 0.440 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion:	43	Resp:	856
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#

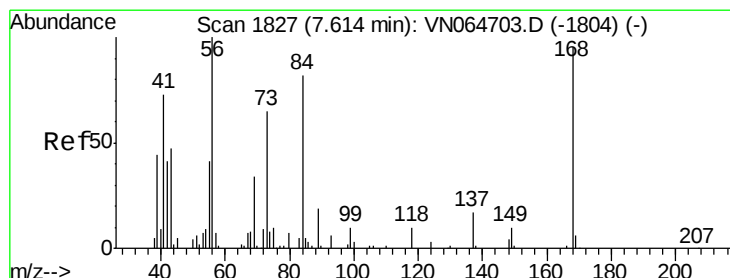
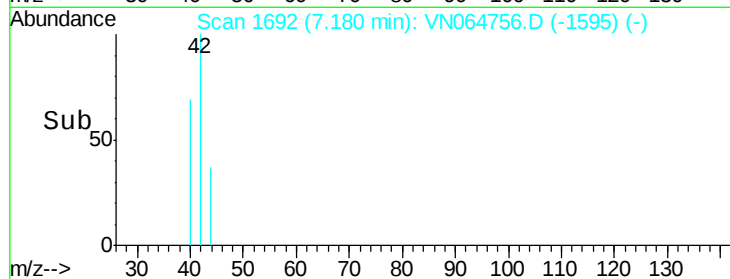
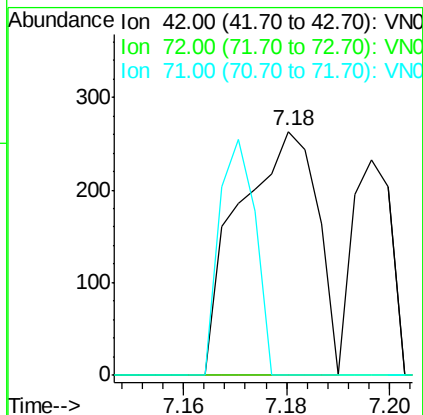
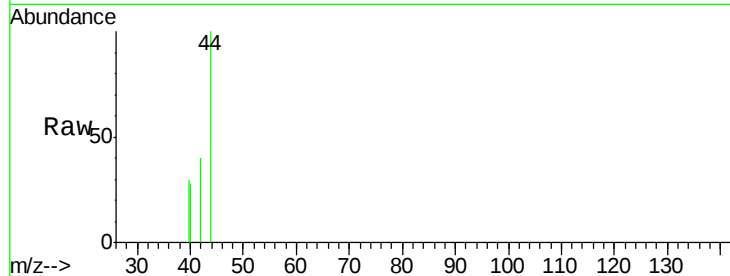




#29
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

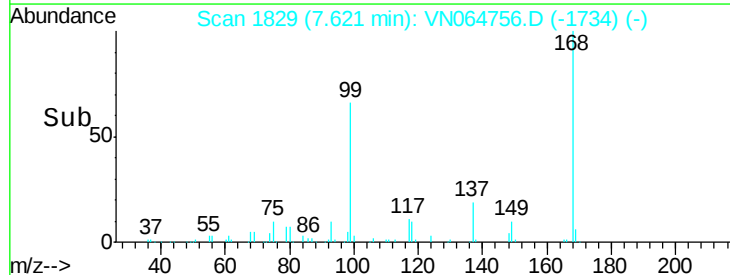
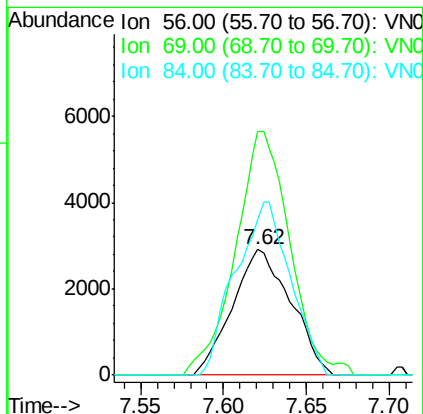
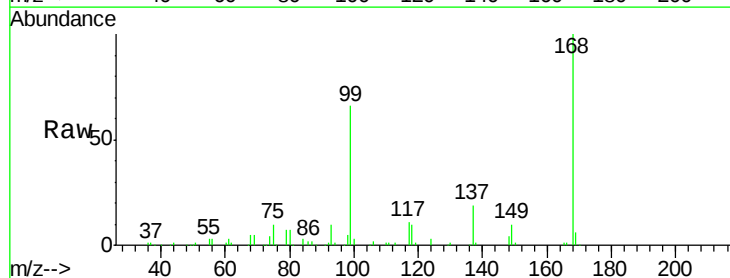
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MSVOA_N
ClientSampled :
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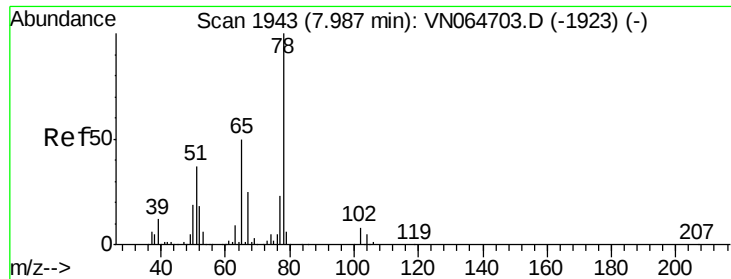
Tot Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.4#
71 44.0 31.8 47.6



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion: 56 Resp: 7138
Ion Ratio Lower Upper
56 100
69 187.1 27.2 40.8#
84 123.4 65.9 98.9#

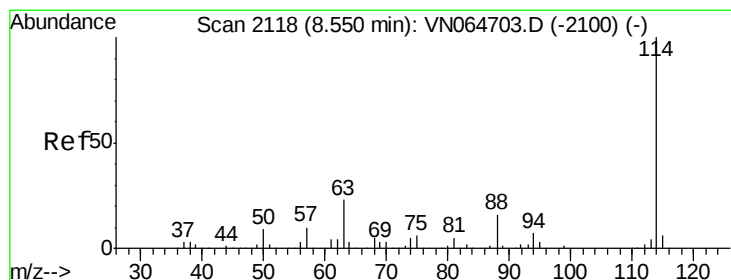
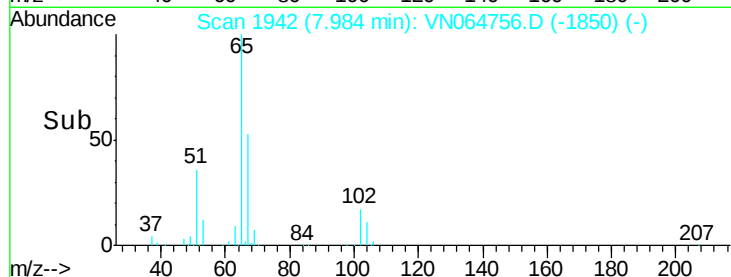
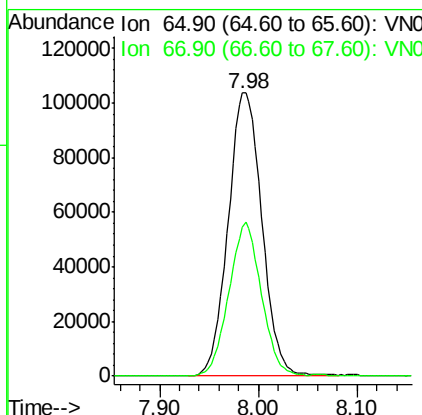
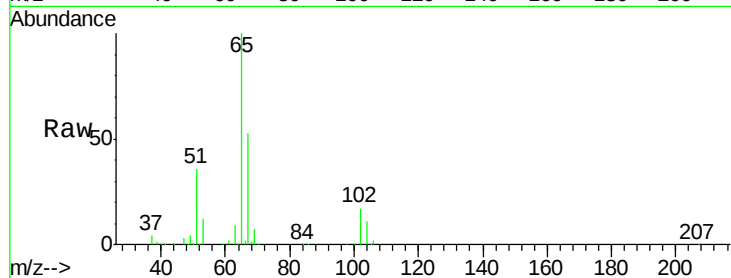




#33
 1,2-Dichloroethane-d4
 Concen: 48.735 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

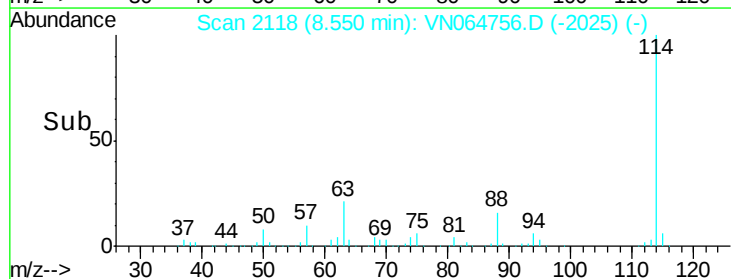
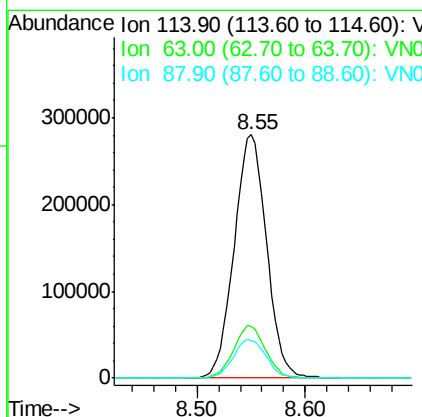
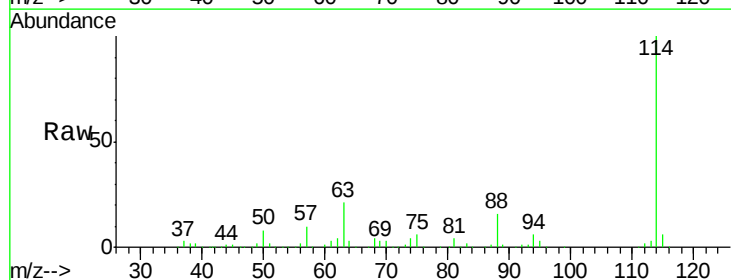
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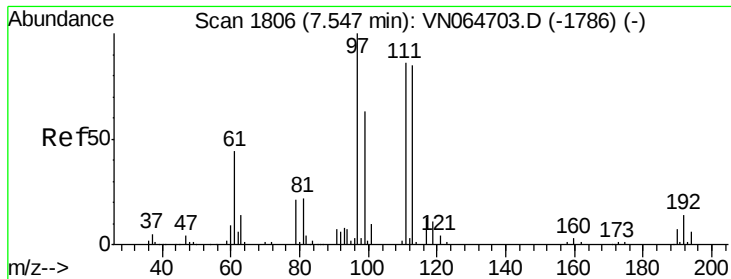
Tot Ion: 65 Resp: 248123
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

Tgt Ion: 114 Resp: 587616
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 46.0
 88 15.7 0.0 31.2

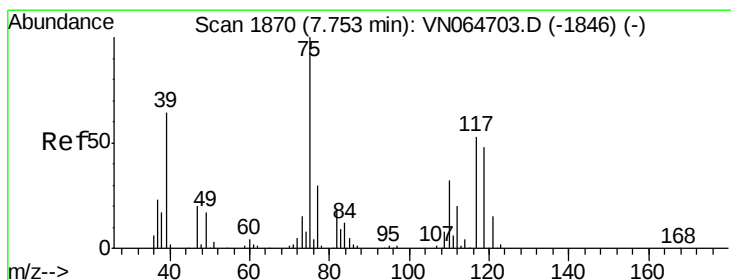
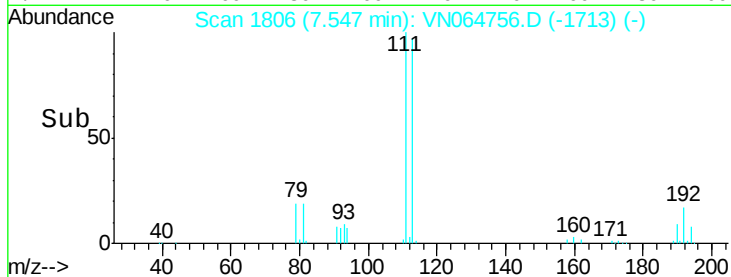
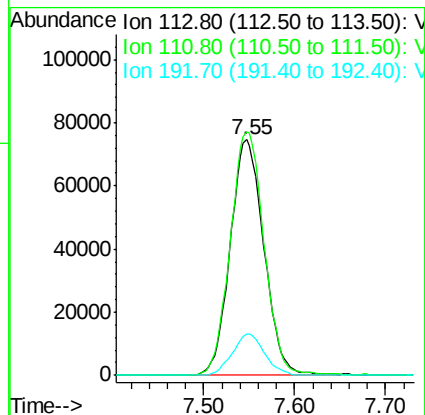
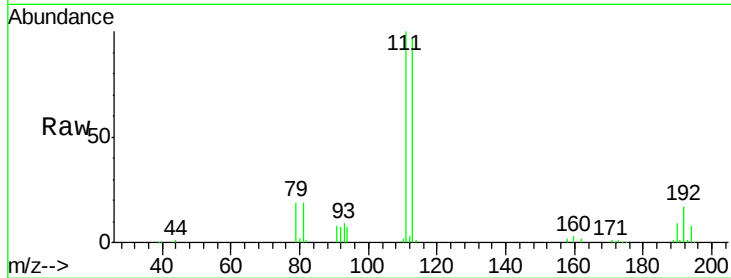




#35
 Dibromofluoromethane
 Concen: 57.392 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

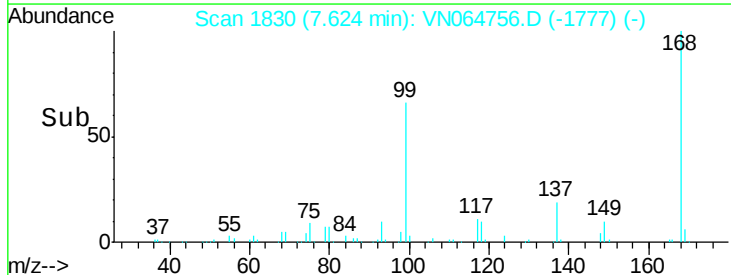
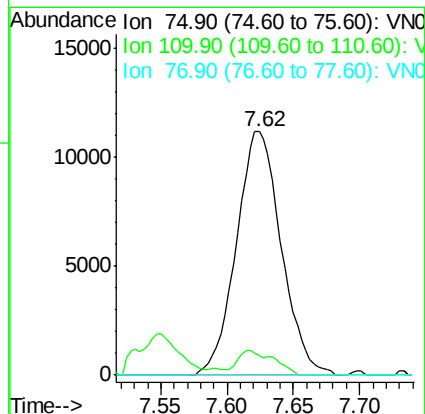
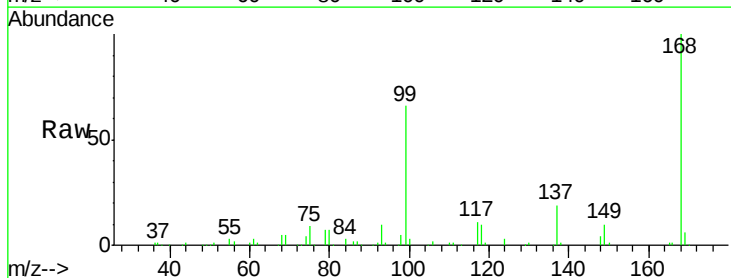
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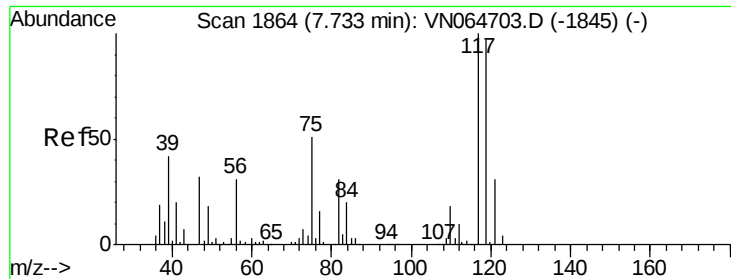
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	16.9	12.7	19.1



#36
 1,1-Dichloropropene
 Concen: 4.336 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.2	48.6#
77	0.0	24.4	36.6#

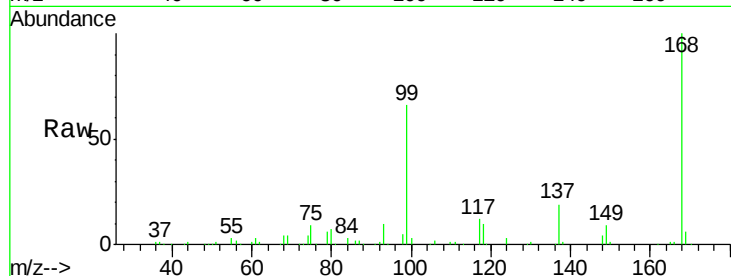




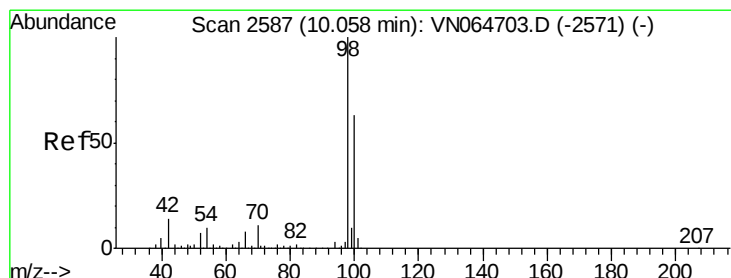
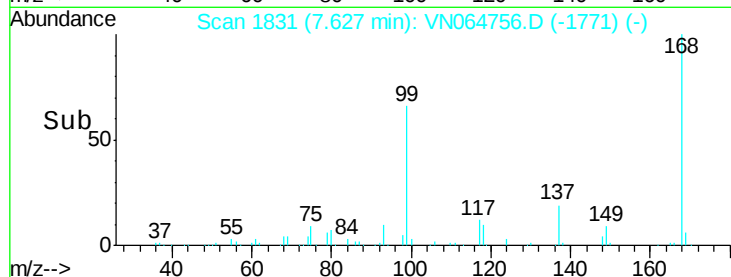
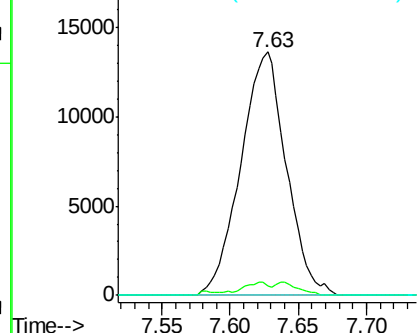
#38
Carbon Tetrachloride
Concen: 4.919 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:117 Resp: 31604
Ion Ratio Lower Upper
117 100
119 4.1 77.8 116.6#
121 0.0 24.9 37.3#

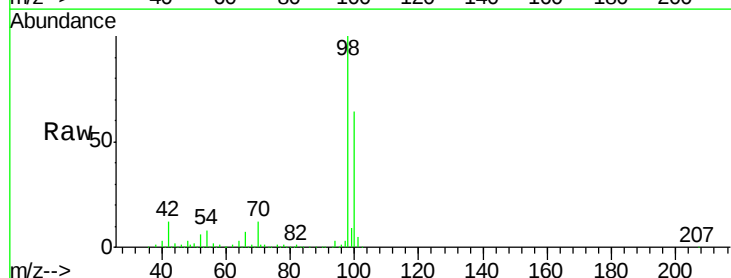


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

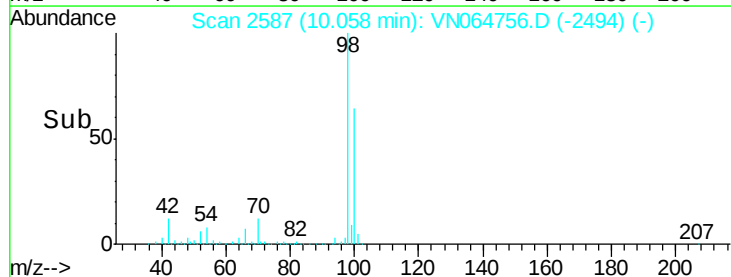
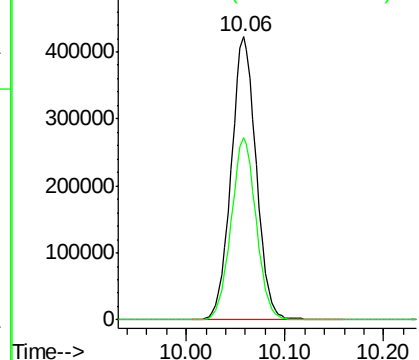


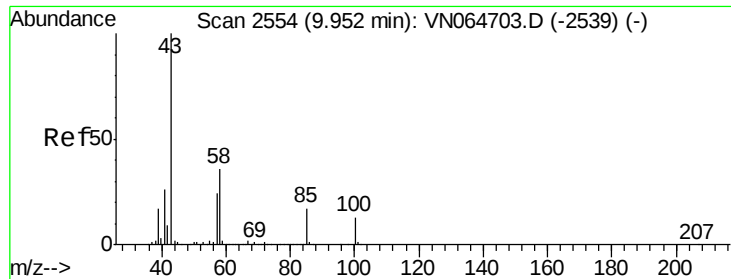
#50
Toluene-d8
Concen: 49.319 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion: 98 Resp: 749666
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

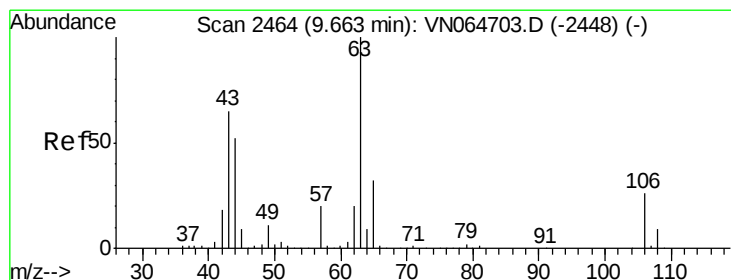
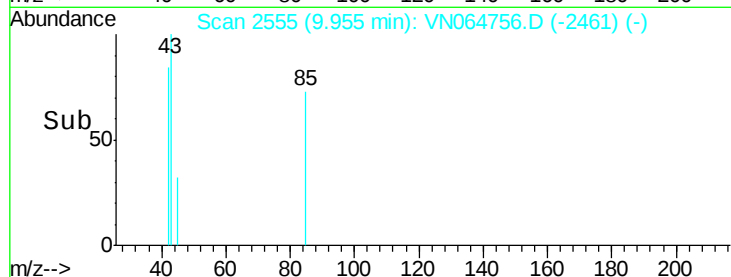
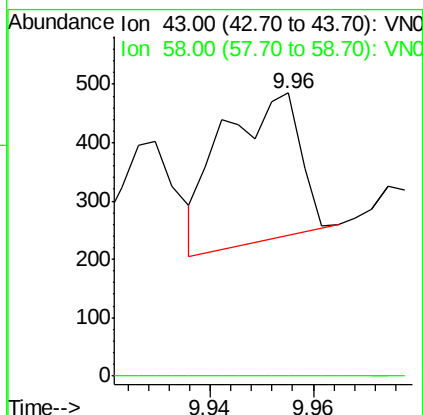
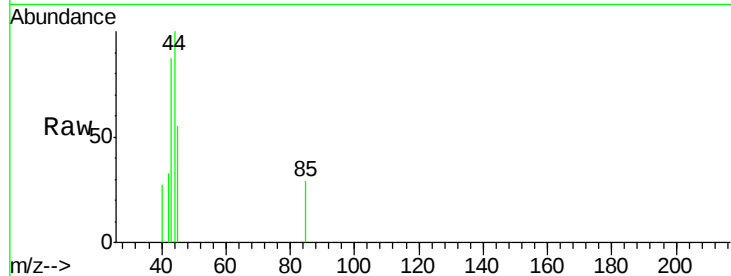




#51
 4-Methyl-2-Pentanone
 Concen: 6.173 ug/l
 RT: 9.96 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

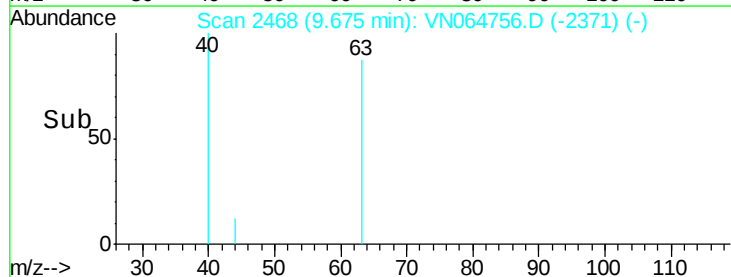
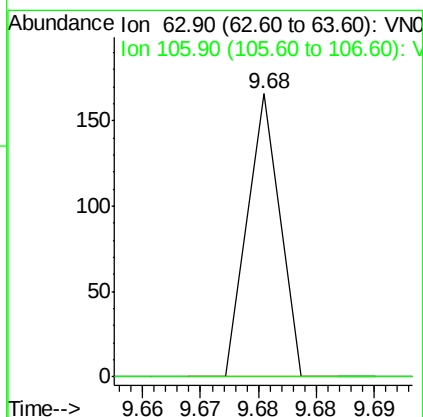
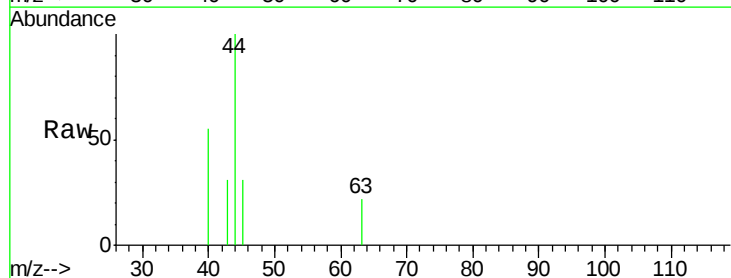
Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

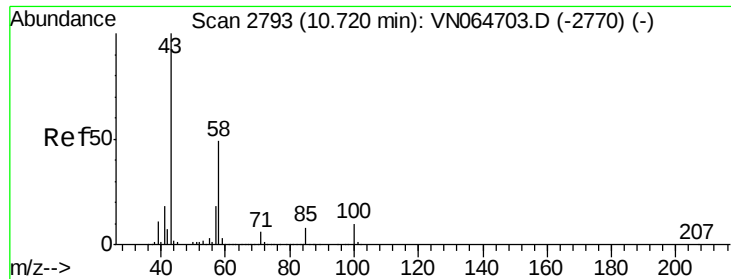
Tot Ion: 43 Resp: 265
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 42.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.280 ug/l
 RT: 9.68 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

Tgt Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#

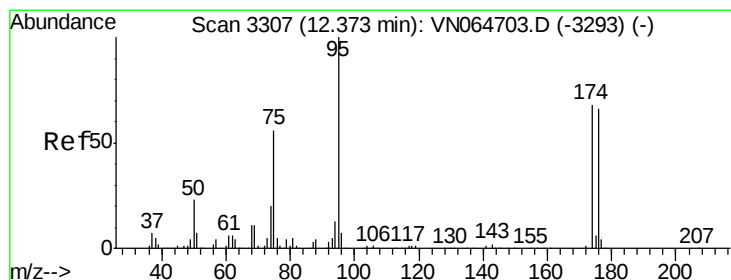
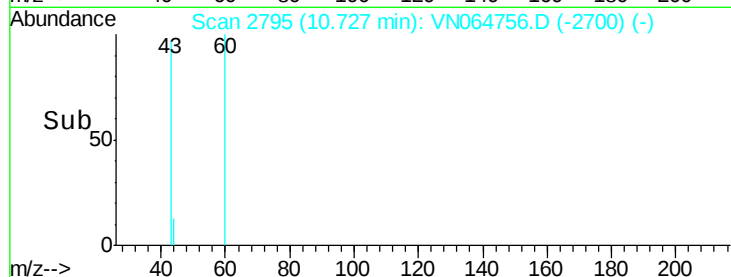
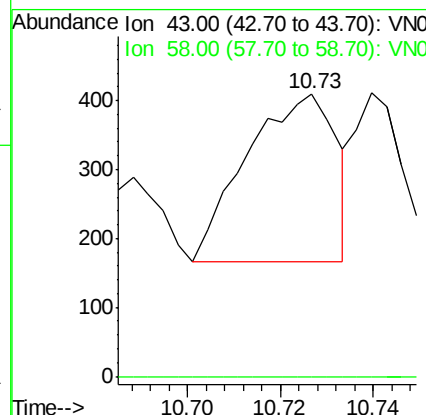
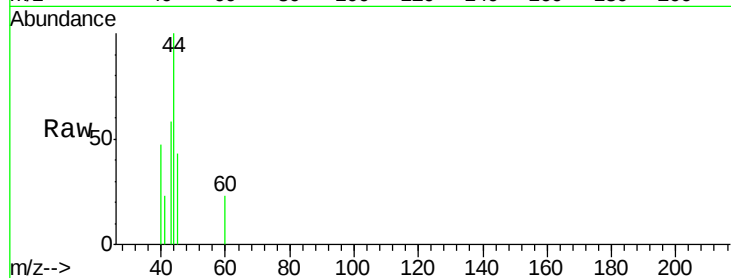




#59
2-Hexanone
Concen: 8.513 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

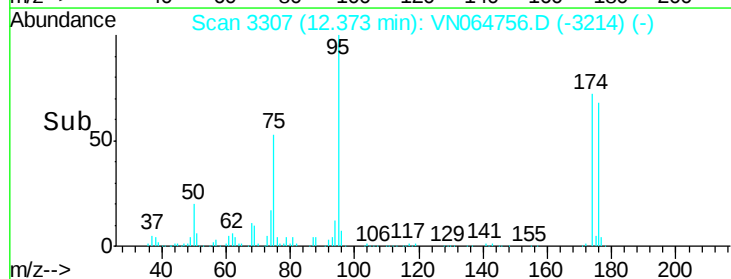
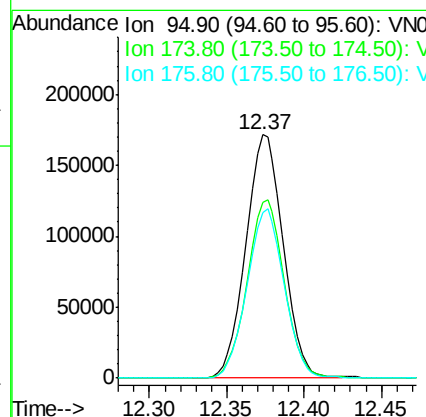
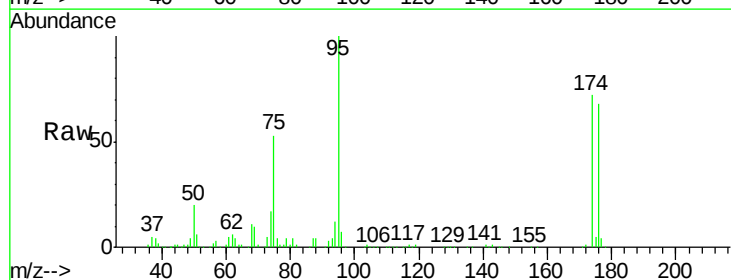
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

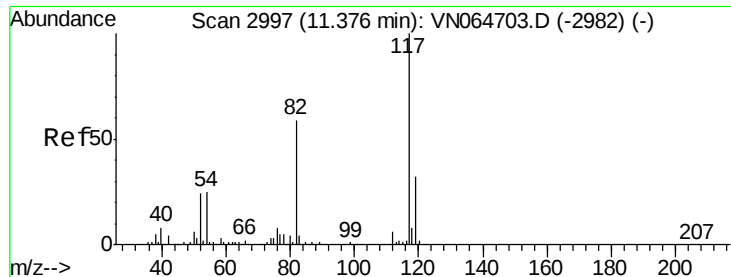
Tot Ion: 43 Resp: 329
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 50.845 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion: 95 Resp: 288884
Ion Ratio Lower Upper
95 100
174 73.0 0.0 136.8
176 69.3 0.0 134.2

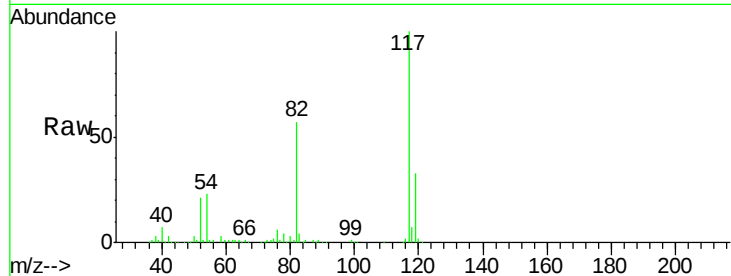




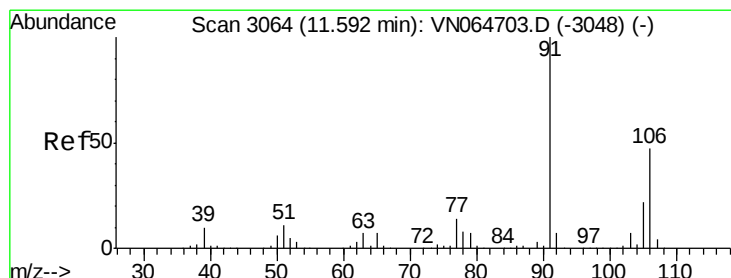
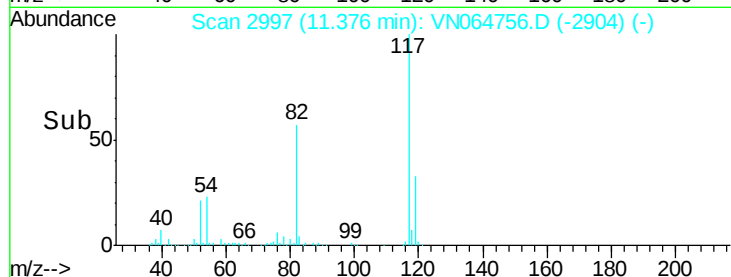
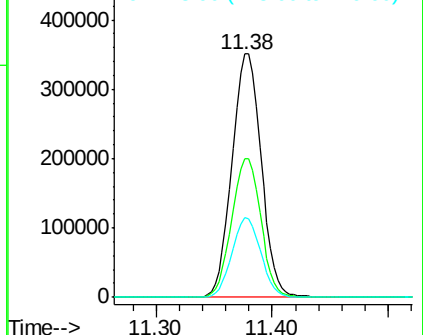
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:117 Resp: 613104
Ion Ratio Lower Upper
117 100
82 57.0 47.0 70.6
119 32.6 25.4 38.2

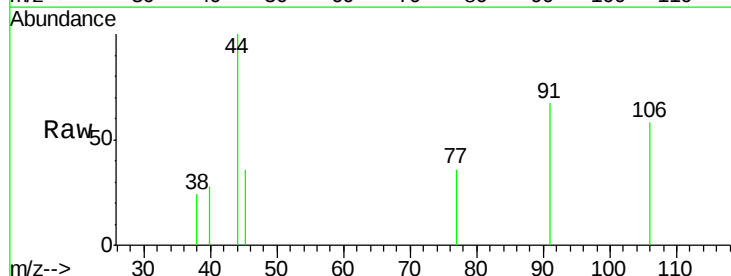


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

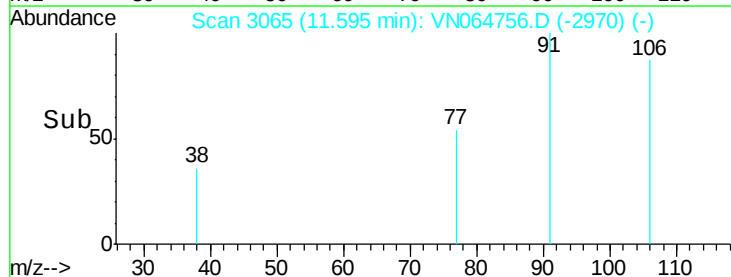
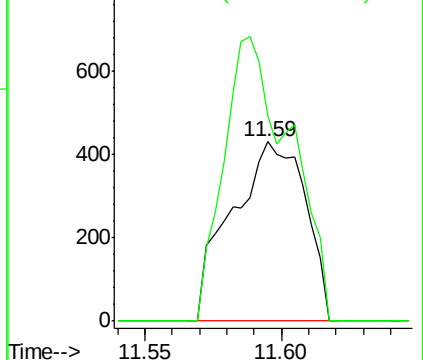


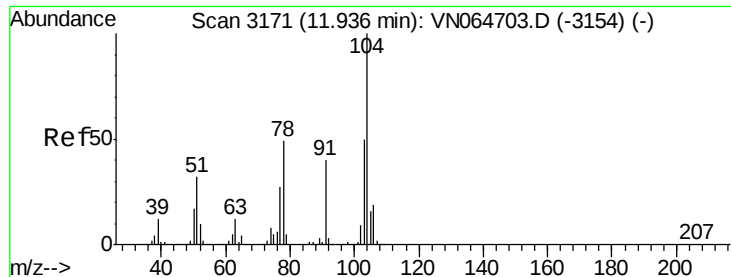
#68
m/p-Xylenes
Concen: 4.145 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion:106 Resp: 805
Ion Ratio Lower Upper
106 100
91 144.2 171.9 257.9#



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

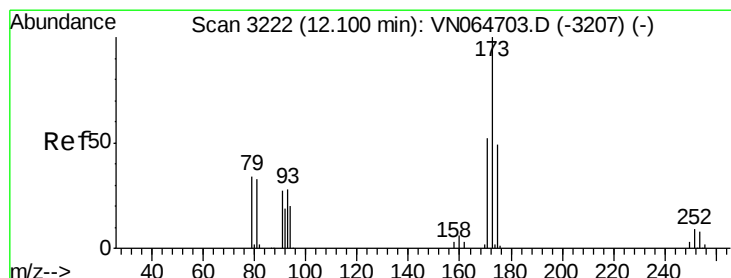
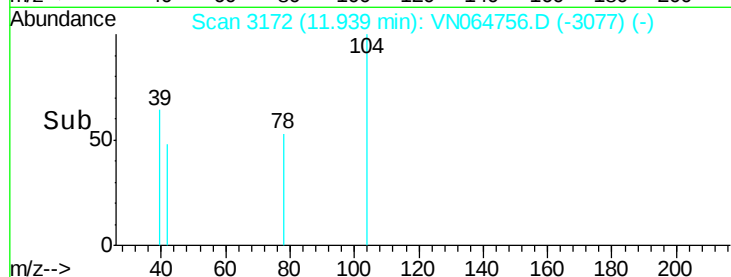
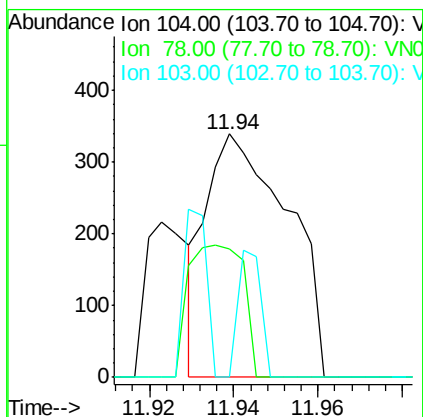
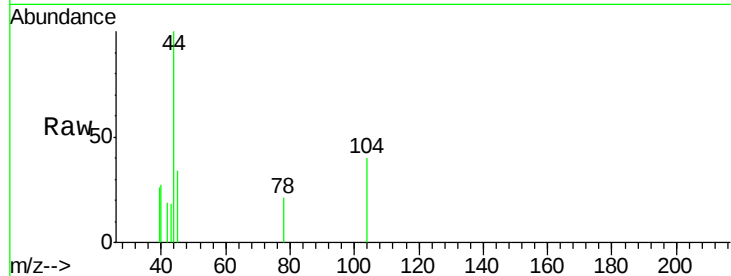




#70
Stvrene
Concen: 2.564 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

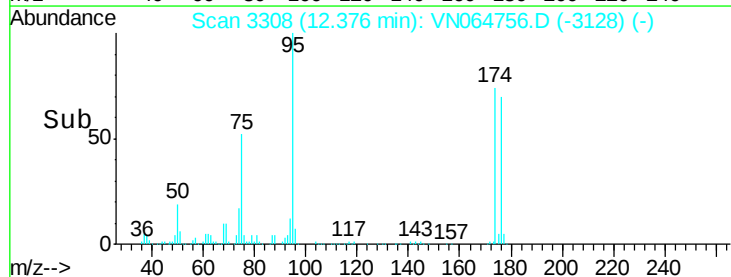
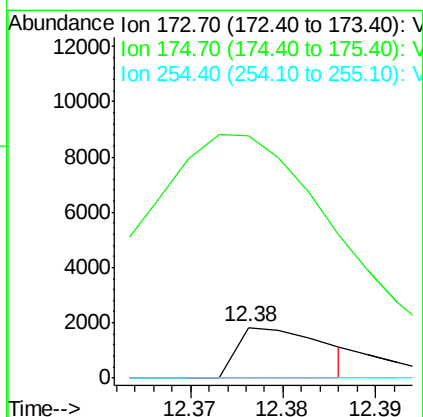
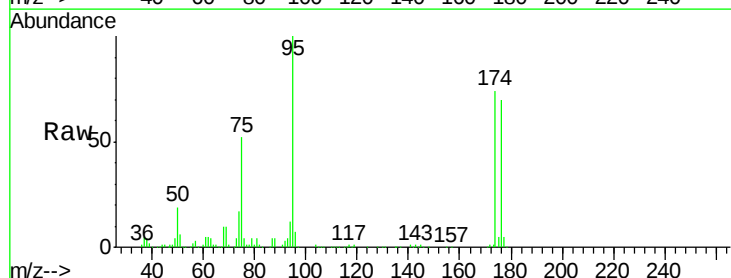
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

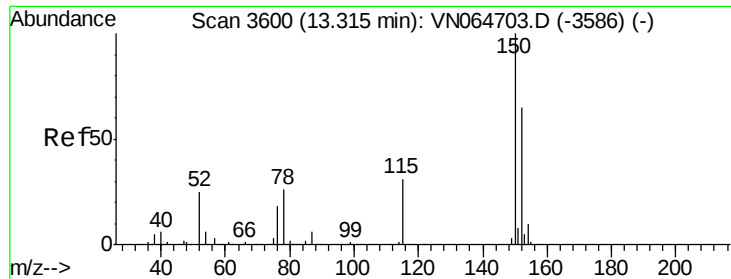
Tot Ion:104 Resp: 455
Ion Ratio Lower Upper
104 100
78 36.5 44.1 66.1#
103 14.7 43.7 65.5#



#71
Bromoform
Concen: 2.742 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion:173 Resp: 1177
Ion Ratio Lower Upper
173 100
175 1101.4 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064756.D

Acq: 20 Nov 2020 3:31

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

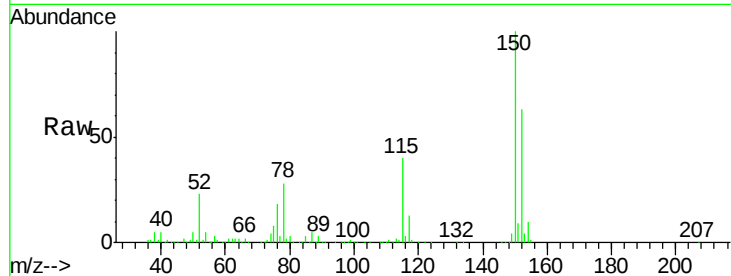
Tot Ion:152 Resp: 263523

Ion Ratio Lower Upper

152 100

115 62.9 32.1 96.3

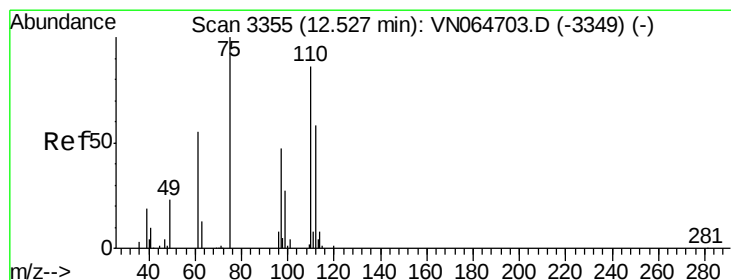
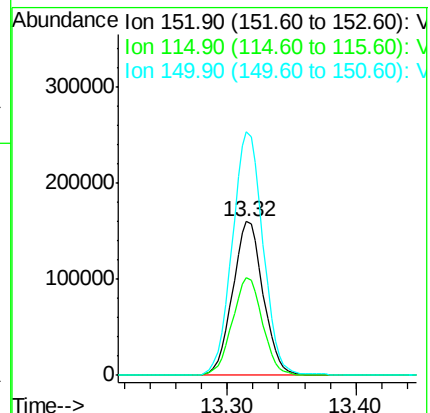
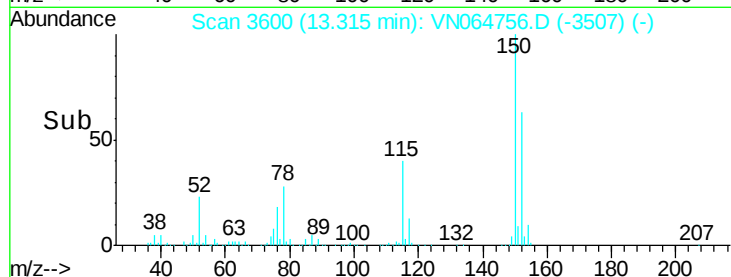
150 159.1 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 26.263 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064756.D

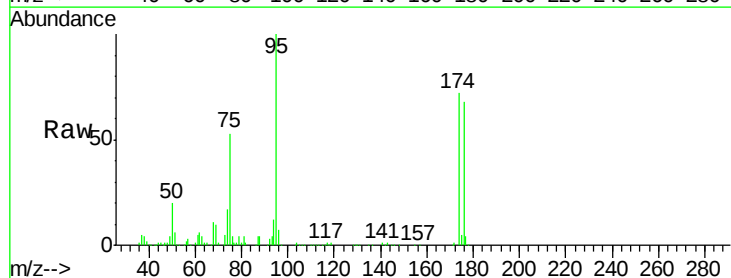
Acq: 20 Nov 2020 3:31

Tgt Ion: 75 Resp: 149119

Ion Ratio Lower Upper

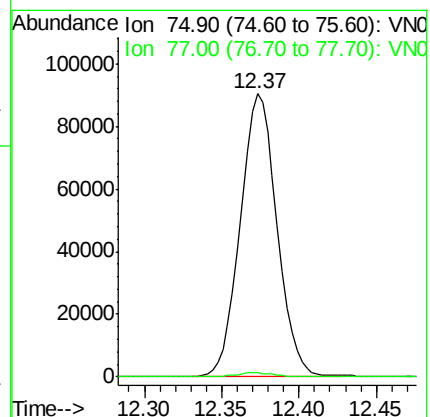
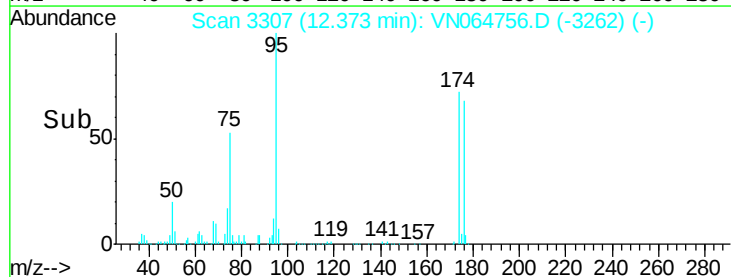
75 100

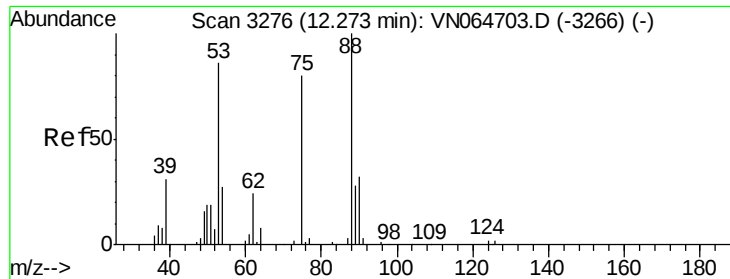
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 67.138 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064756.D

Acq: 20 Nov 2020 3:31

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

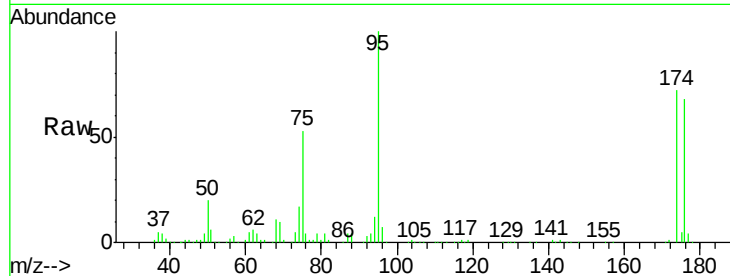
Tot Ion: 75 Resp: 149119

Ion Ratio Lower Upper

75 100

53 0.2 88.8 133.2#

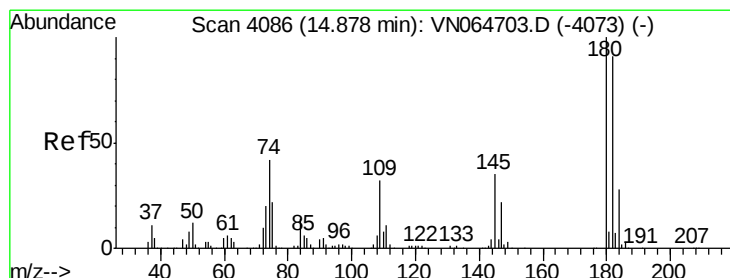
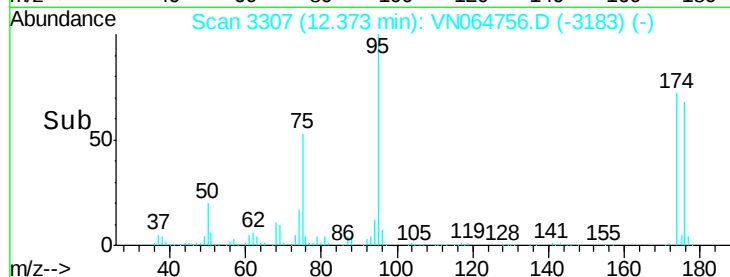
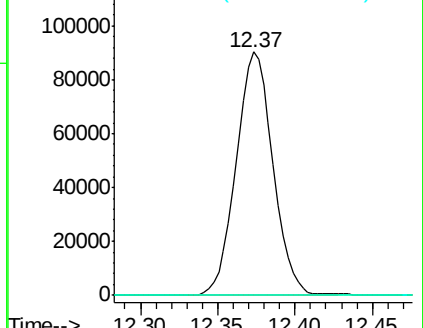
89 0.0 43.1 64.7#



Abundance Ion 74.90 (74.60 to 75.60): VN064703.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064703.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064703.D (-3266) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.610 ug/l

RT: 14.89 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN064756.D

Acq: 20 Nov 2020 3:31

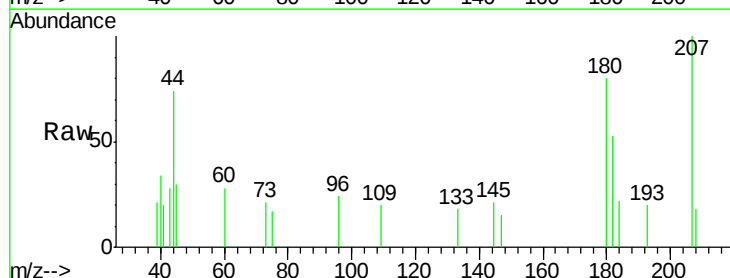
Tgt Ion: 180 Resp: 1306

Ion Ratio Lower Upper

180 100

182 76.2 47.3 141.8

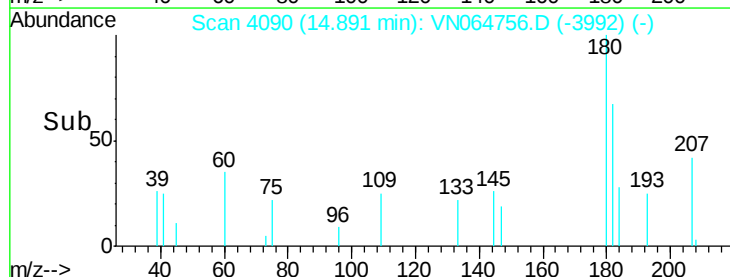
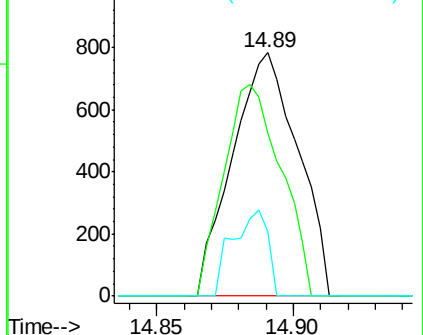
145 19.0 17.5 52.5

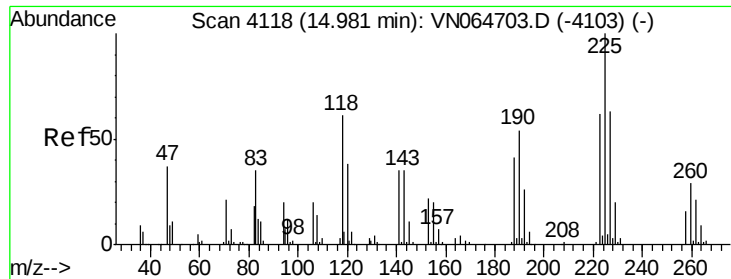


Abundance Ion 179.80 (179.50 to 180.50): VN064703.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN064703.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN064703.D (-4073) (-)

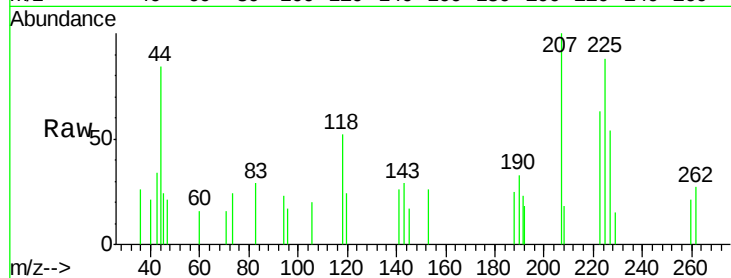




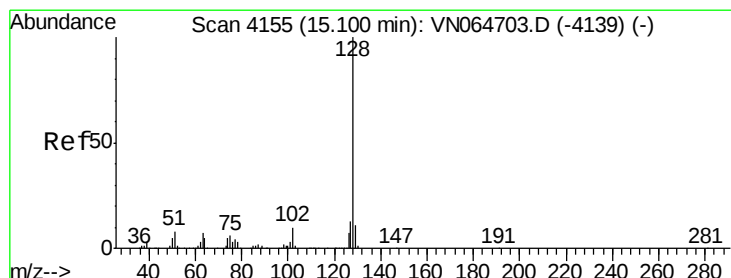
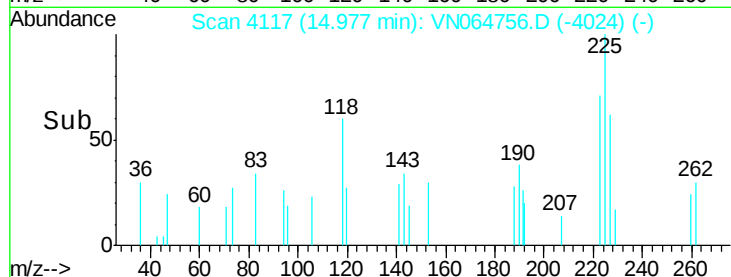
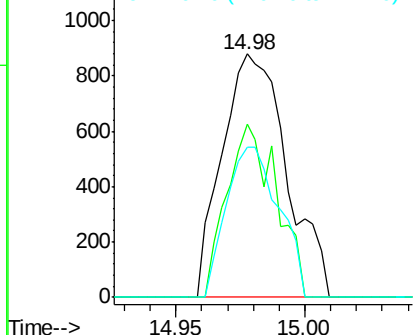
#94
Hexachlorobutadiene
Concen: 0.334 ug/l
RT: 14.98 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:225 Resp: 1532
Ion Ratio Lower Upper
225 100
223 54.8 31.2 93.6
227 50.5 32.1 96.3

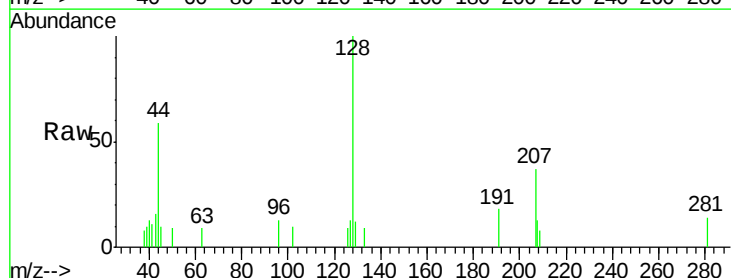


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

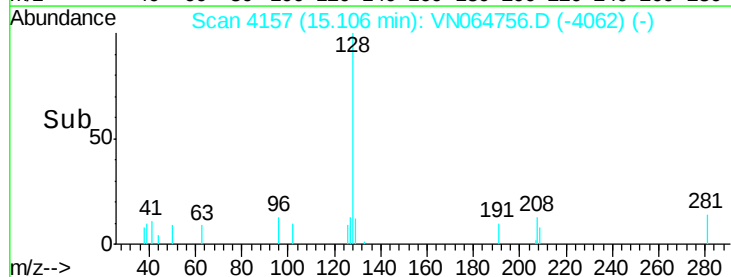
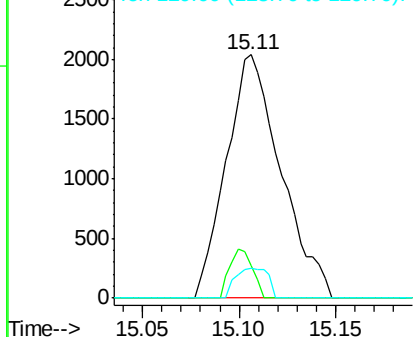


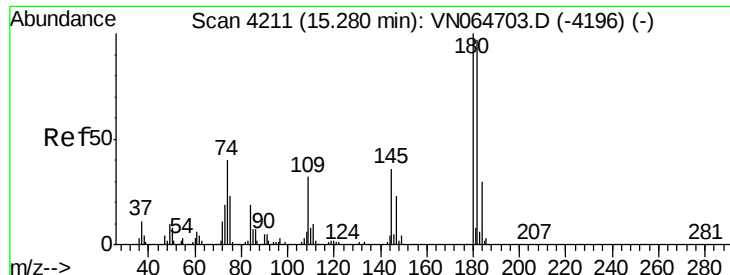
#95
Naphthalene
Concen: 0.270 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN064756.D
Acq: 20 Nov 2020 3:31

Tgt Ion:128 Resp: 3999
Ion Ratio Lower Upper
128 100
127 8.3 10.8 16.2#
129 7.3 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.870 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN064756.D
 Acq: 20 Nov 2020 3:31

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	236.3	47.5	142.5#
145	94.4	18.1	54.1#

