

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071057.D
 Acq On : 24 Feb 2022 15:56
 Operator : JC\MD
 Sample : N1642-08 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31409

Quant Time: Feb 25 02:44:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

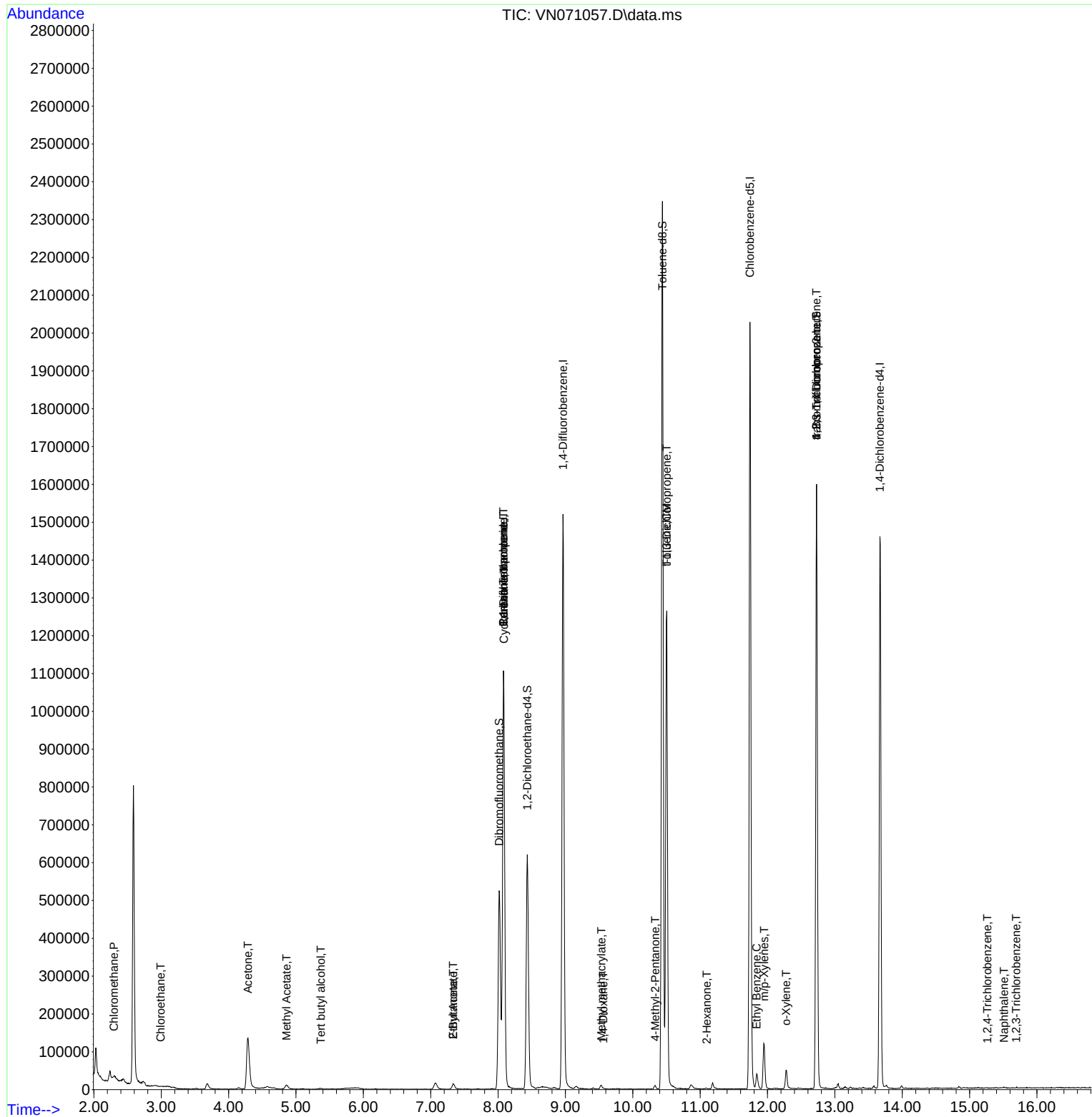
Internal Standards						
1) Pentafluorobenzene	8.080	168	843845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1346440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1185249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	418786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	513506	53.272	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.540%			
35) Dibromofluoromethane	8.016	113	395067	49.330	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.660%			
50) Toluene-d8	10.439	98	1620322	50.380	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.727	95	550990	47.928	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.860%			
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	3086	0.280	ug/l	93
6) Chloroethane	2.993	64	2148	0.297	ug/l #	42
11) Tert butyl alcohol	5.369	59	1899	1.081	ug/l #	71
16) Acetone	4.287	43	268129	50.508	ug/l	96
18) Methyl Acetate	4.857	43	25069	1.573	ug/l #	89
25) 2-Butanone	7.333	43	24700	3.498	ug/l	94
31) Cyclohexane	8.086	56	17197	1.032	ug/l #	12
36) 1,1-Dichloropropene	8.080	75	65023	4.956	ug/l #	48
37) Ethyl Acetate	7.333	43	24700	1.755	ug/l #	69
38) Carbon Tetrachloride	8.080	117	81523	6.306	ug/l #	17
48) Methyl methacrylate	9.533	41	3343	0.318	ug/l #	35
49) 1,4-Dioxane	9.563	88	137	0.735	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	7861	0.583	ug/l	94
52) Toluene	10.504	92	561990	23.044	ug/l	95
53) t-1,3-Dichloropropene	10.504	75	6403	0.445	ug/l #	1
59) 2-Hexanone	11.098	43	2383	0.257	ug/l	74
67) Ethyl Benzene	11.839	91	27273	0.610	ug/l	94
68) m/p-Xylenes	11.951	106	39158	2.268	ug/l	93
69) o-Xylene	12.274	106	13161	0.780	ug/l	92
76) 1,2,3-Trichloropropane	12.727	75	283428	28.744	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	283428	93.144	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	577	2.071	ug/l #	90
95) Naphthalene	15.509	128	2733	5.121	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.692	180	360	2.564	ug/l #	34

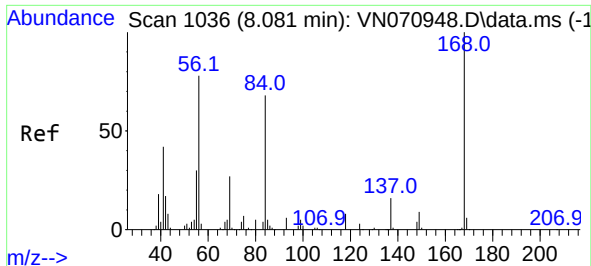
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

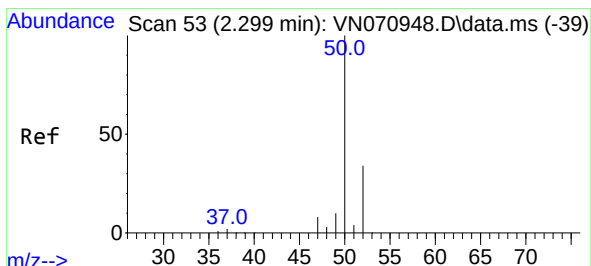
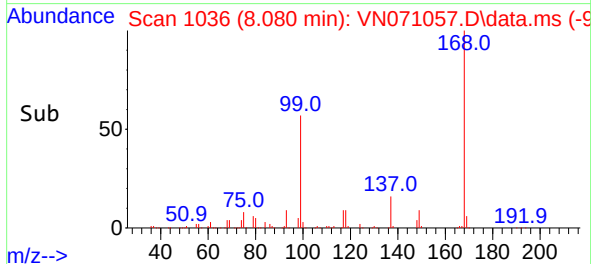
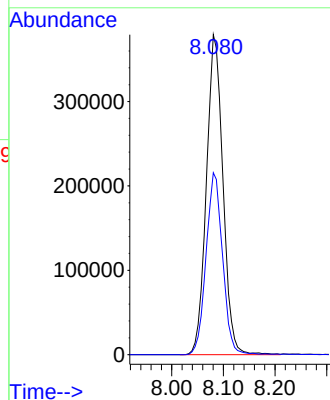
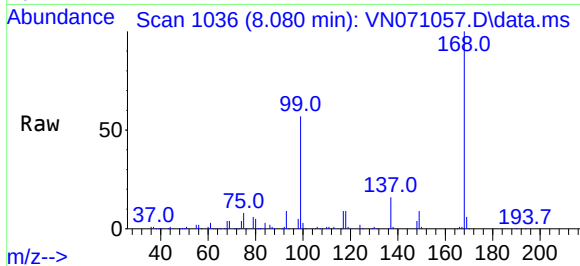




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

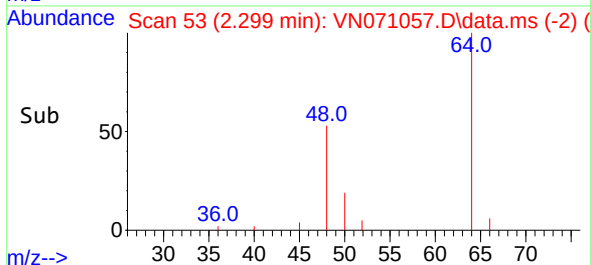
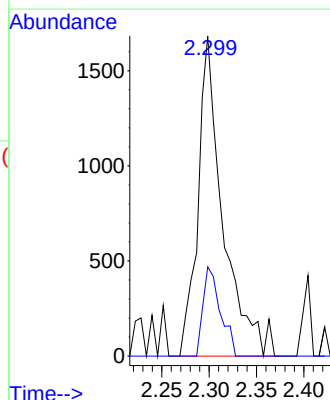
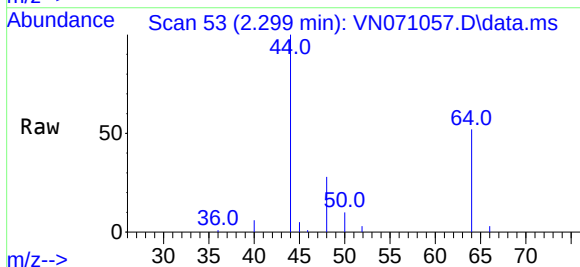
Instrument :
MSVOA_N
ClientSampleId :
31409

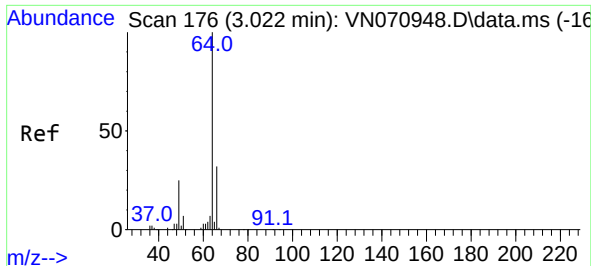
Tgt Ion:168 Resp: 843845
Ion Ratio Lower Upper
168 100
99 56.9 41.3 61.9



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 50 Resp: 3086
Ion Ratio Lower Upper
50 100
52 27.9 25.4 38.0

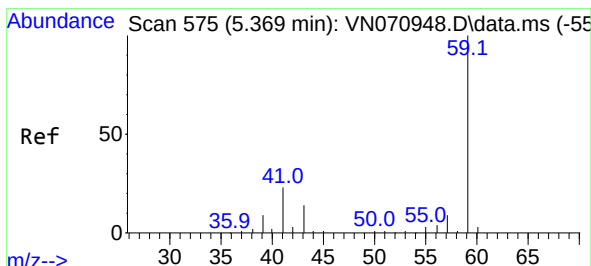
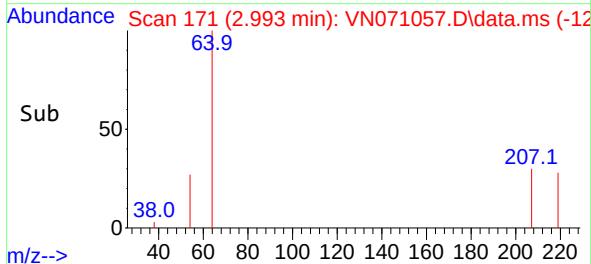
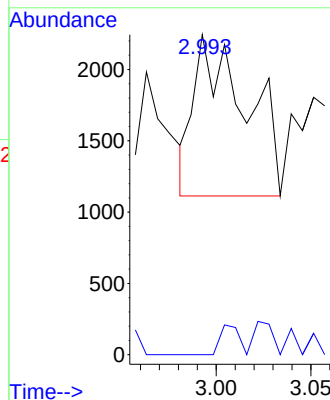
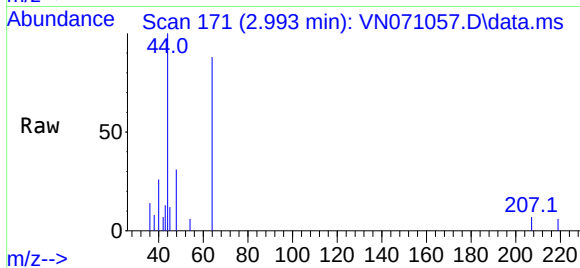




#6
Chloroethane
Concen: 0.297 ug/l
RT: 2.993 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

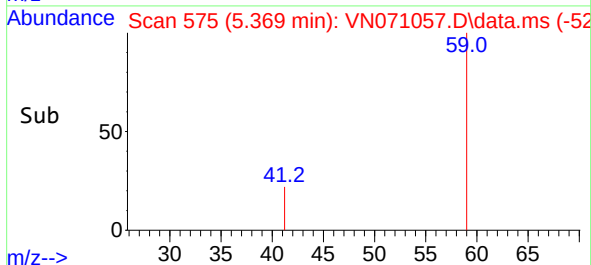
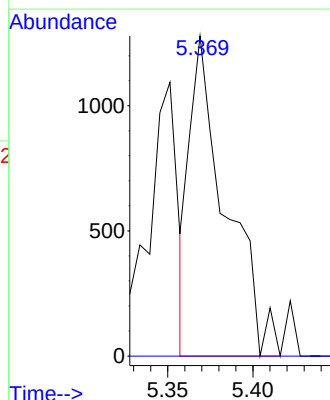
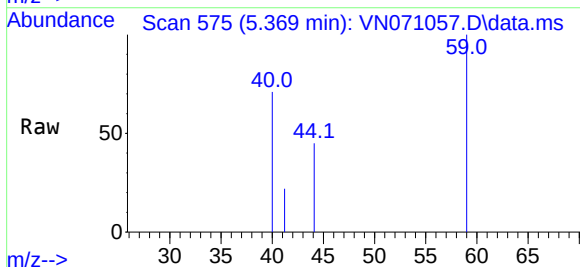
Instrument :
MSVOA_N
ClientSampleId :
31409

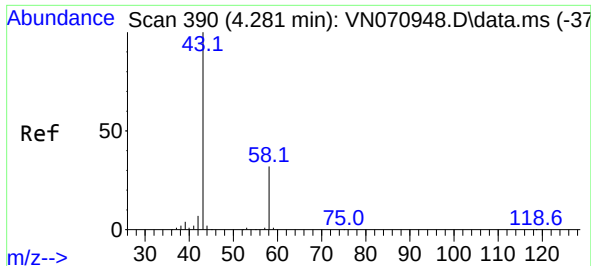
Tgt Ion: 64 Resp: 2148
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 1.081 ug/l
RT: 5.369 min Scan# 575
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 59 Resp: 1899
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

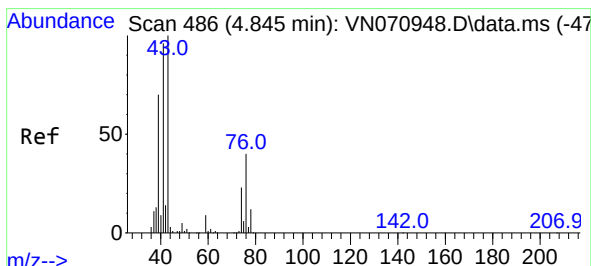
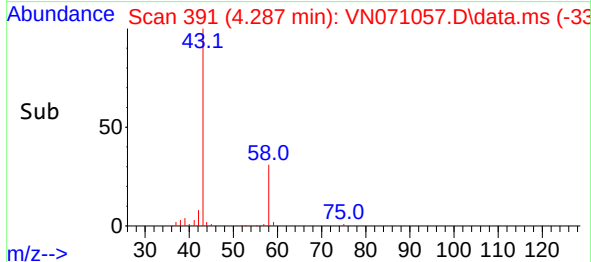
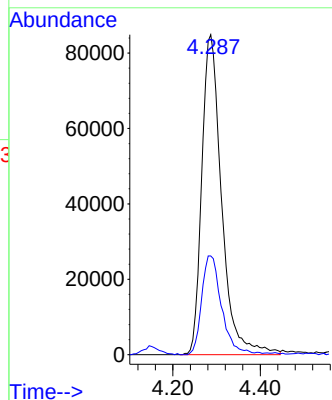
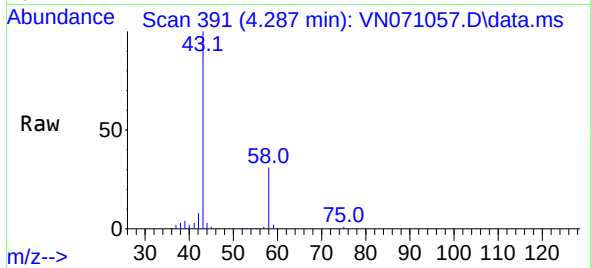




#16
Acetone
Concen: 50.508 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

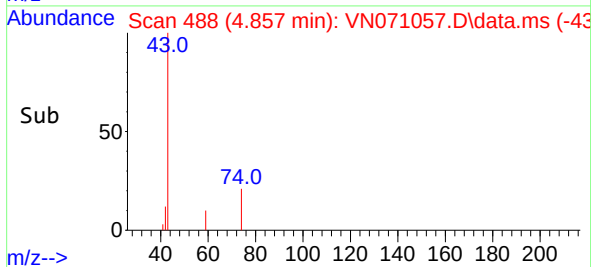
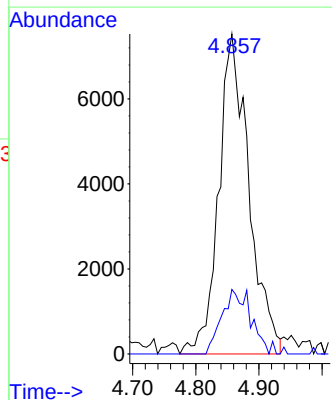
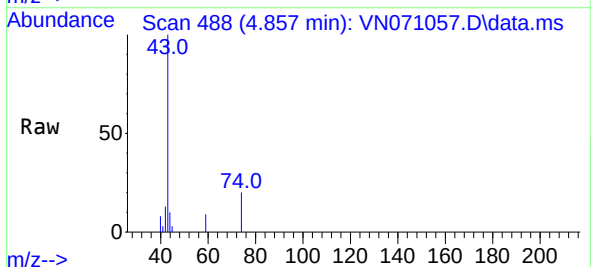
Instrument :
MSVOA_N
ClientSampleId :
31409

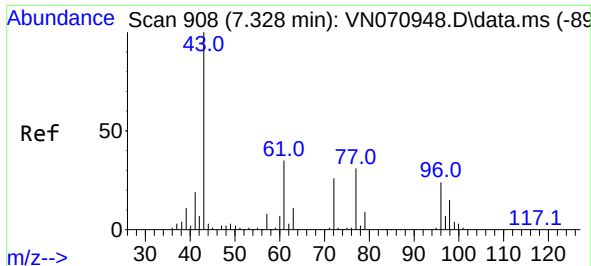
Tgt Ion: 43 Resp: 268129
Ion Ratio Lower Upper
43 100
58 30.9 23.1 34.7



#18
Methyl Acetate
Concen: 1.573 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 43 Resp: 25069
Ion Ratio Lower Upper
43 100
74 19.0 19.4 29.2#

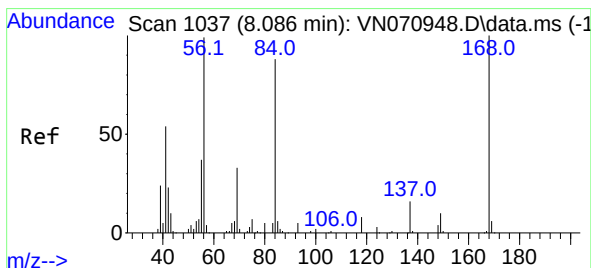
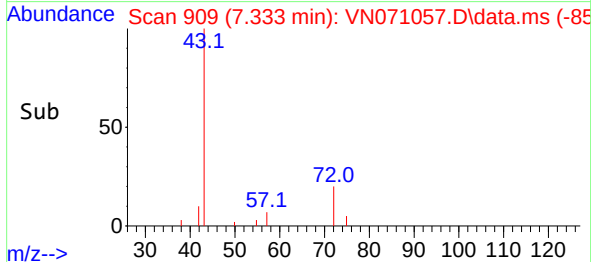
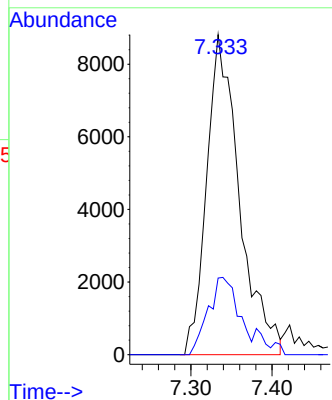
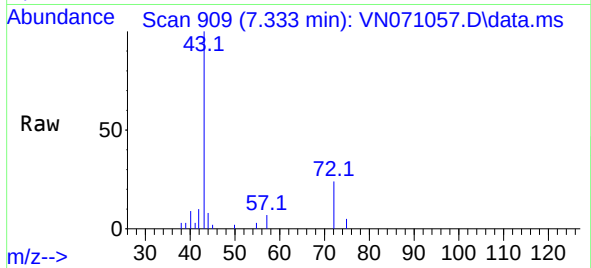




#25
2-Butanone
Concen: 3.498 ug/l
RT: 7.333 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

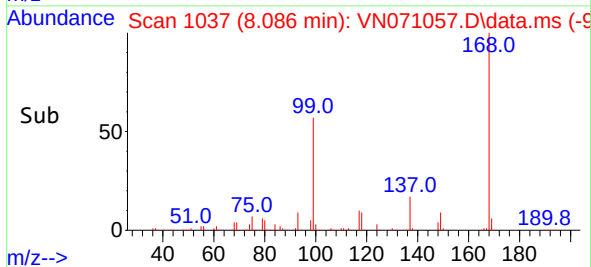
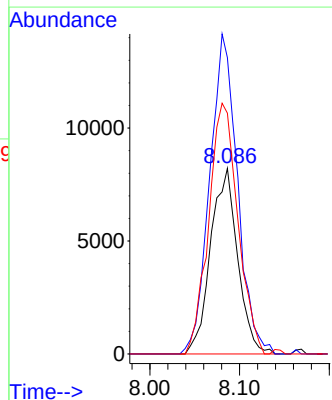
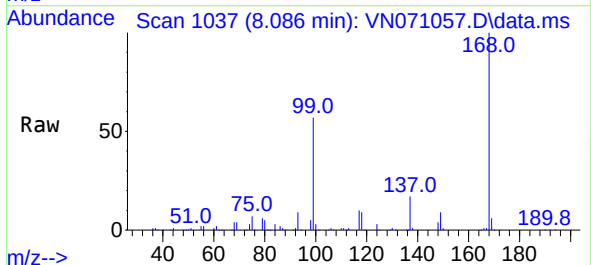
Instrument :
MSVOA_N
ClientSampleId :
31409

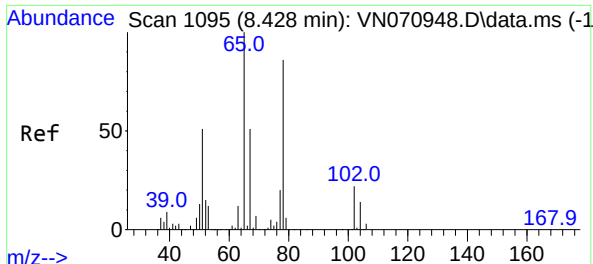
Tgt Ion: 43 Resp: 24700
Ion Ratio Lower Upper
43 100
72 24.0 21.7 32.5



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 56 Resp: 17197
Ion Ratio Lower Upper
56 100
69 159.6 27.1 40.7#
84 129.7 73.4 110.0#

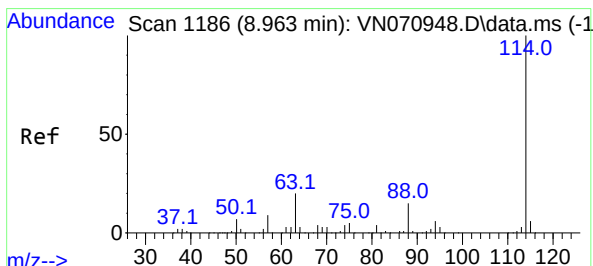
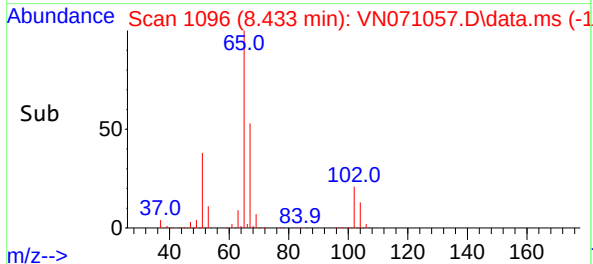
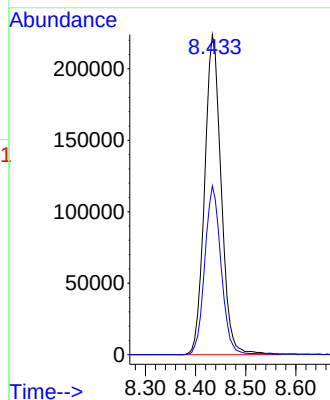
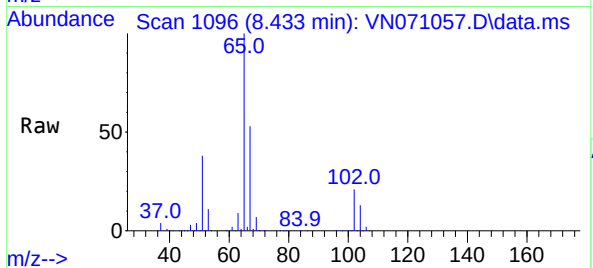




#33
1,2-Dichloroethane-d4
Concen: 53.272 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

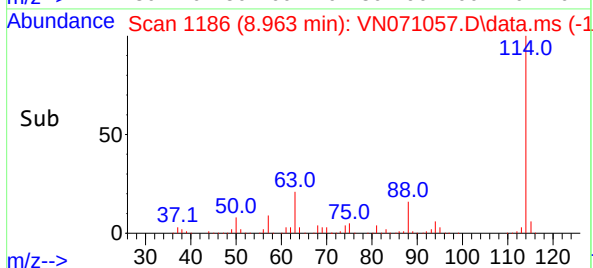
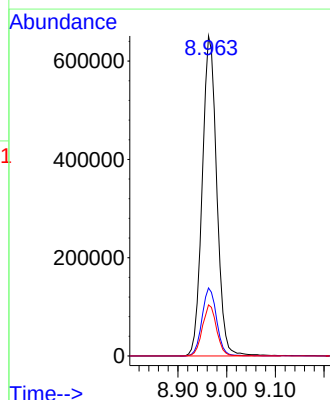
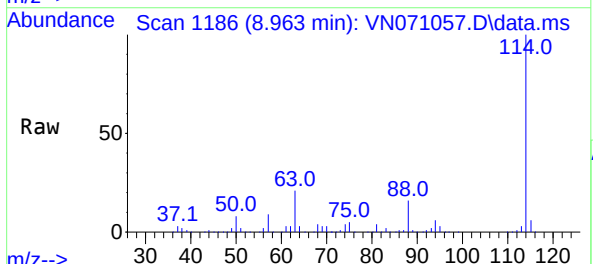
Instrument :
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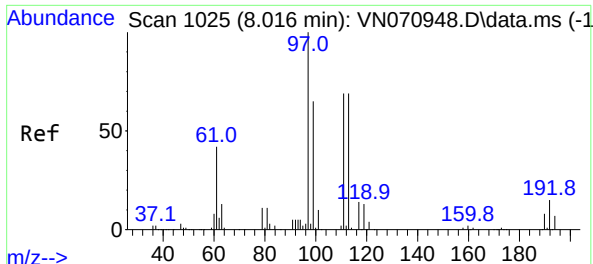
Tgt Ion: 65 Resp: 513506
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

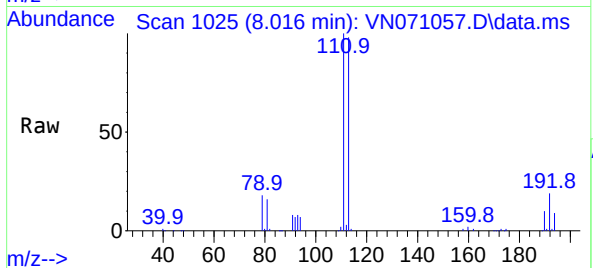
Tgt Ion: 114 Resp: 1346440
Ion Ratio Lower Upper
114 100
63 21.3 0.0 37.8
88 16.0 0.0 27.4



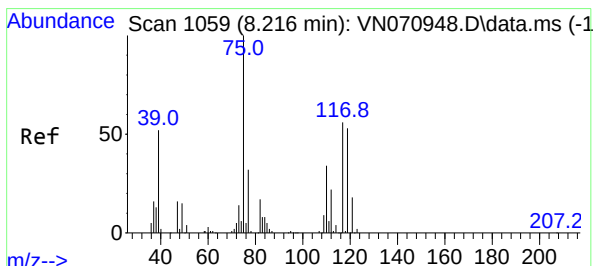
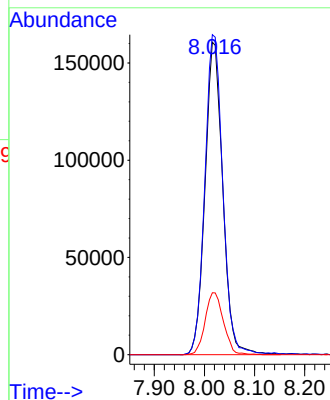
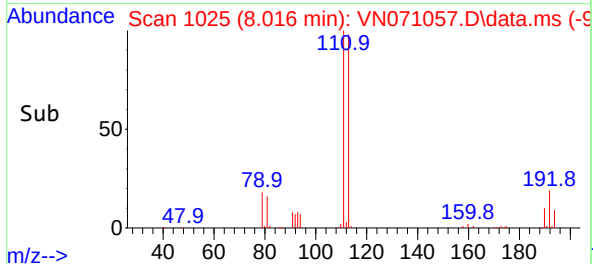


#35
Dibromofluoromethane
Concen: 49.330 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

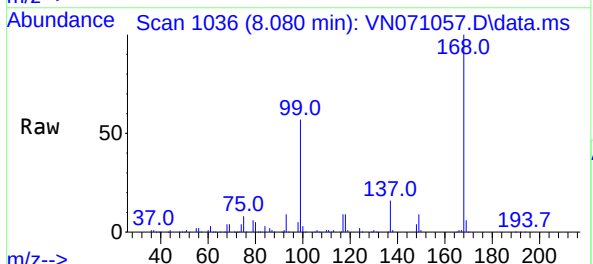
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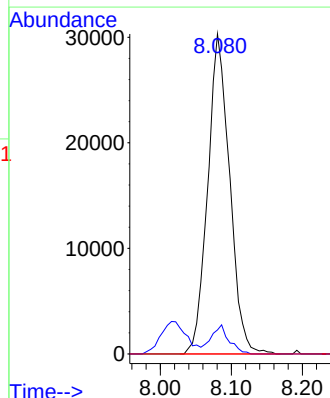
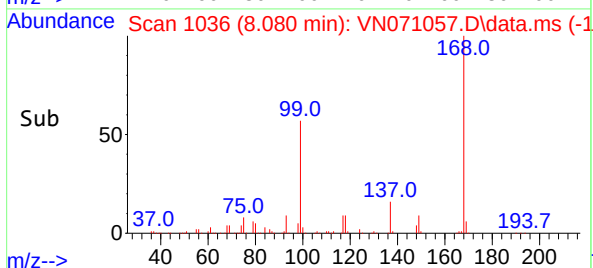
Tgt Ion:113 Resp: 395067
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.4 16.9 25.3

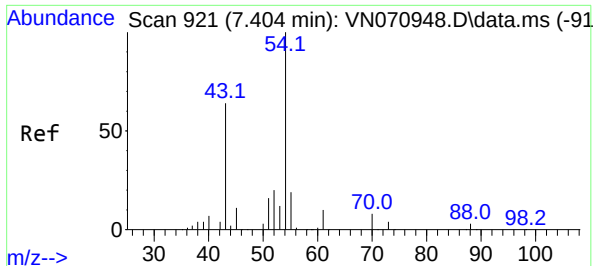


#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56



Tgt Ion: 75 Resp: 65023
Ion Ratio Lower Upper
75 100
110 7.4 18.4 55.2#
77 0.0 24.4 36.6#

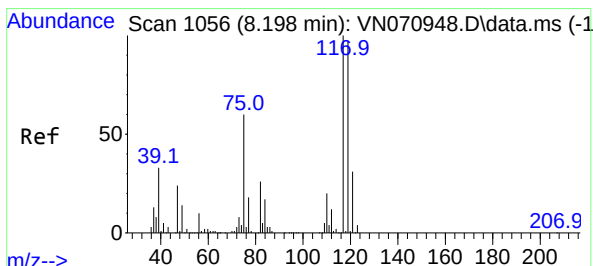
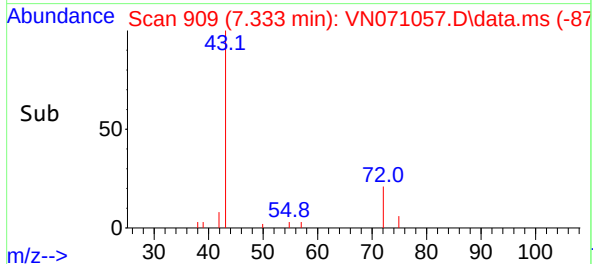
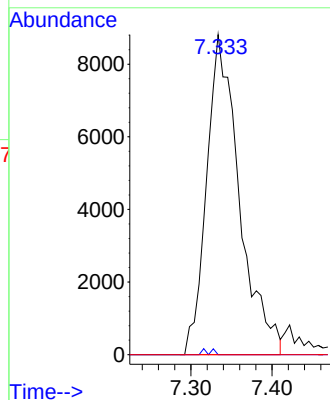
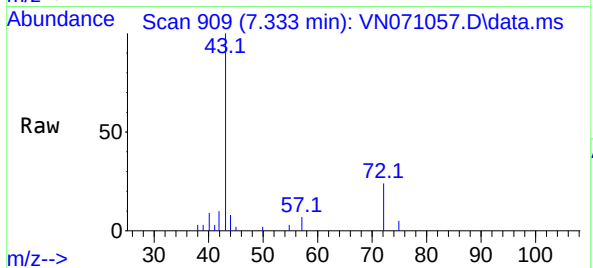




#37
Ethyl Acetate
Concen: 1.755 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.071 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

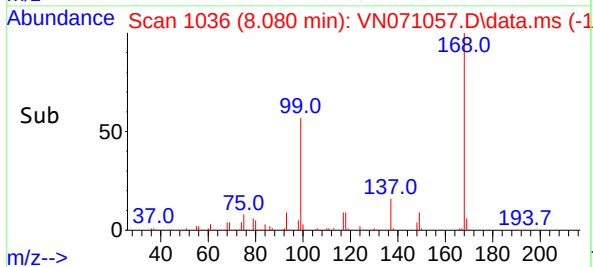
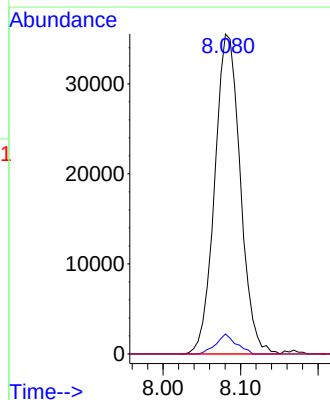
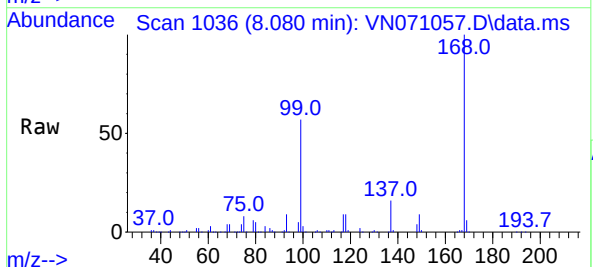
Instrument :
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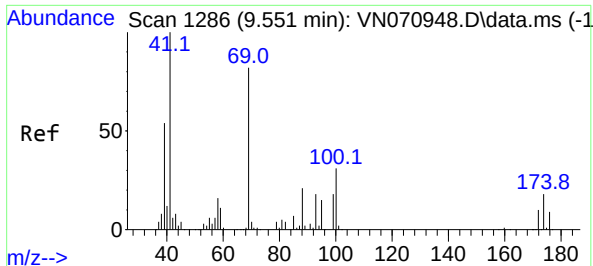
Tgt Ion: 43 Resp: 24700
Ion Ratio Lower Upper
43 100
61 0.5 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 117 Resp: 81523
Ion Ratio Lower Upper
117 100
119 6.2 76.1 114.1#
121 0.0 24.2 36.2#

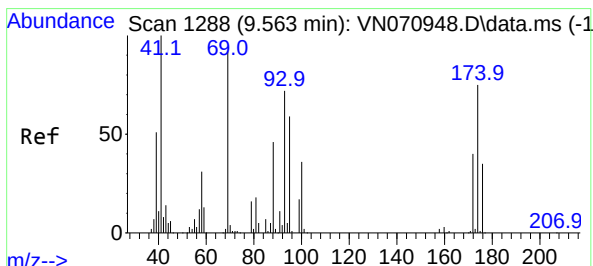
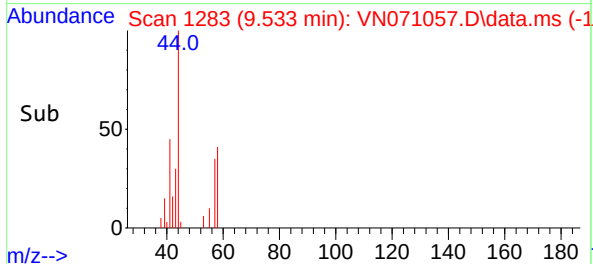
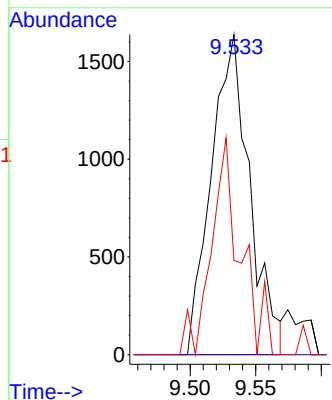
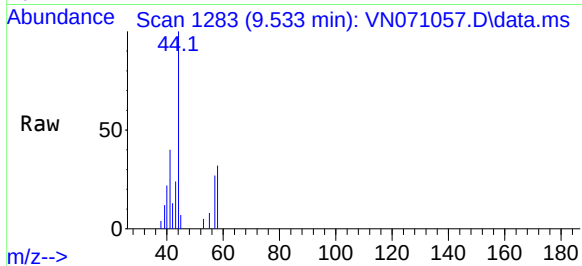




#48
Methyl methacrylate
Concen: 0.318 ug/l
RT: 9.533 min Scan# 1283
Delta R.T. -0.018 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

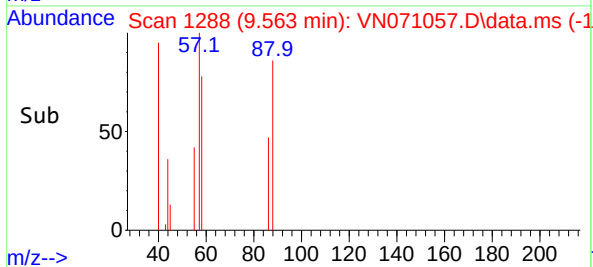
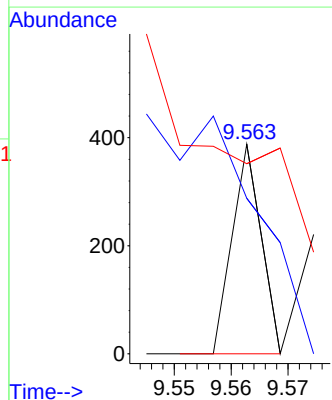
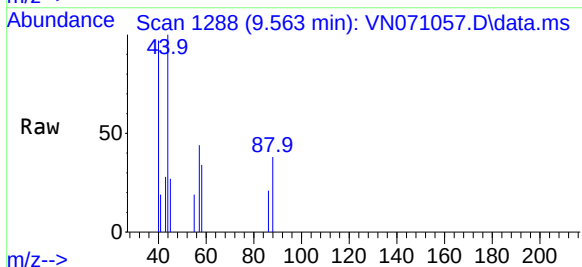
Instrument :
MSVOA_N
ClientSampleId :
31409

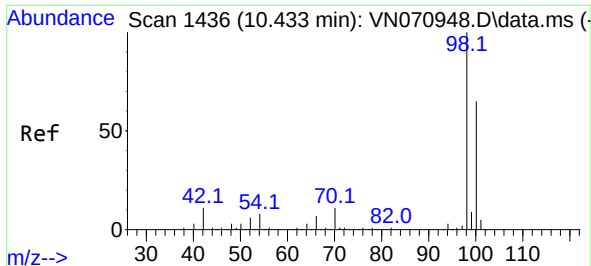
Tgt Ion: 41 Resp: 3343
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 51.3 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.735 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

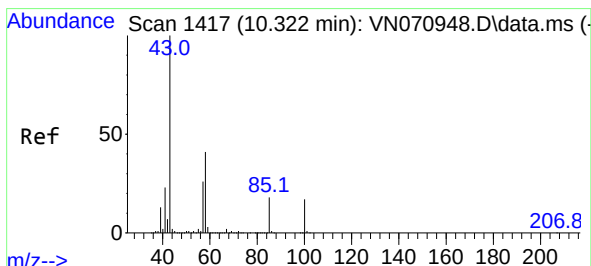
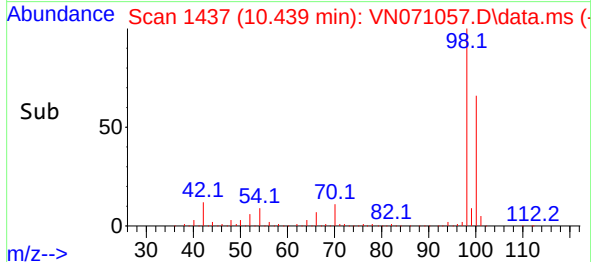
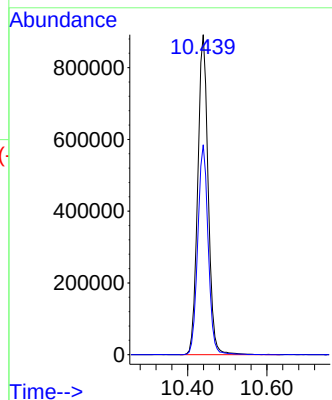
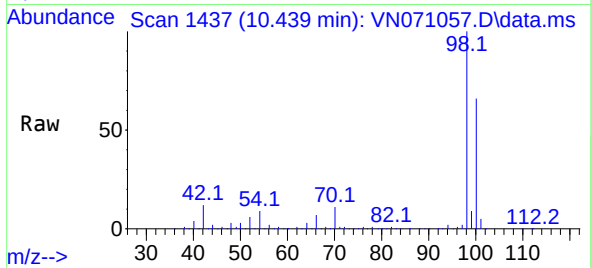




#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

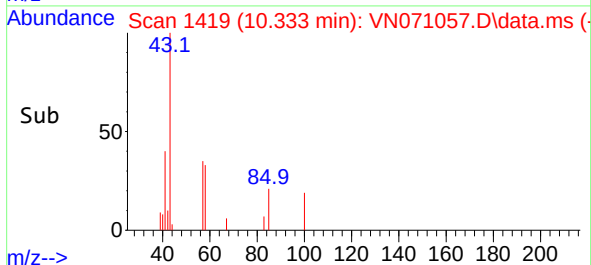
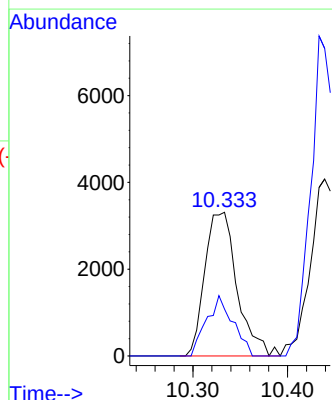
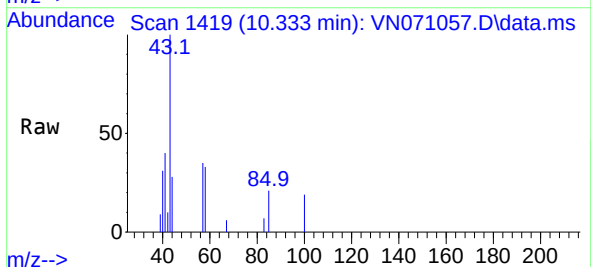
Instrument :
MSVOA_N
ClientSampleId :
31409

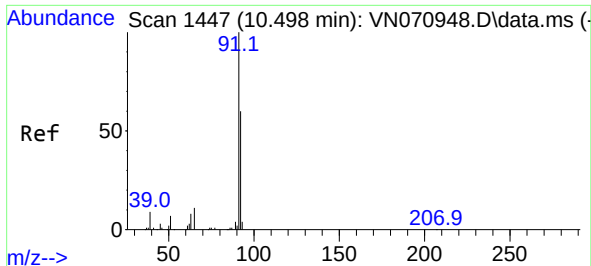
Tgt Ion: 98 Resp: 1620322
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.583 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 43 Resp: 7861
Ion Ratio Lower Upper
43 100
58 34.3 30.4 45.6

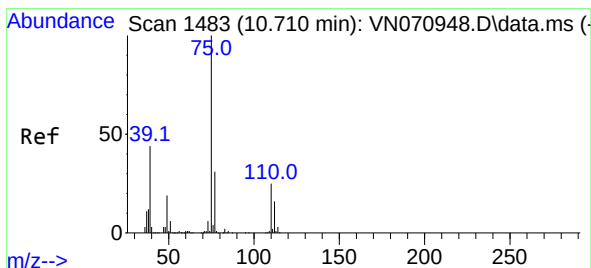
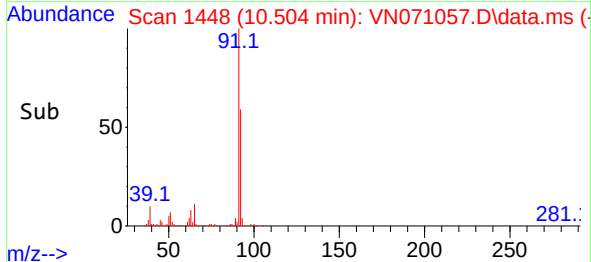
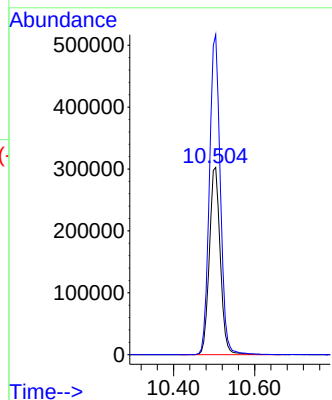
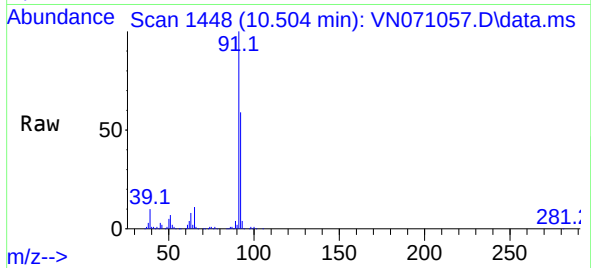




#52
Toluene
Concen: 23.044 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

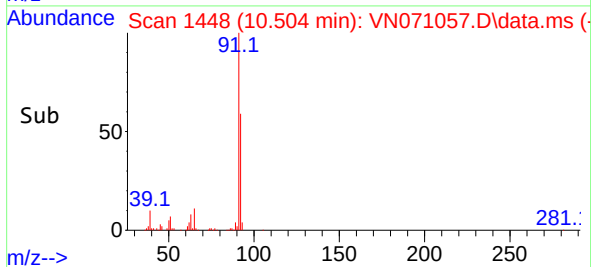
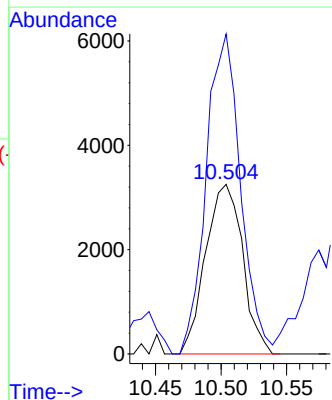
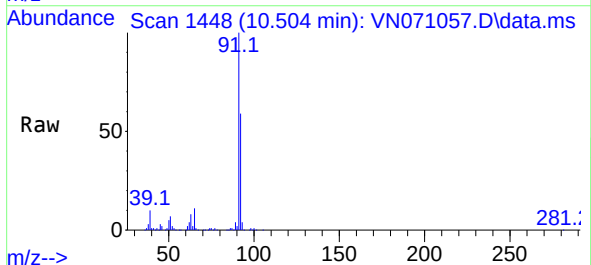
Instrument :
MSVOA_N
ClientSampleId :
31409

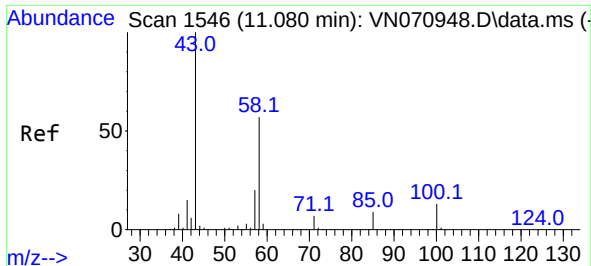
Tgt Ion: 92 Resp: 561990
Ion Ratio Lower Upper
92 100
91 170.9 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 0.445 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.206 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 75 Resp: 6403
Ion Ratio Lower Upper
75 100
77 188.6 25.6 38.4

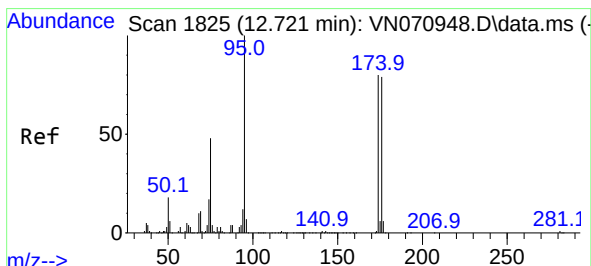
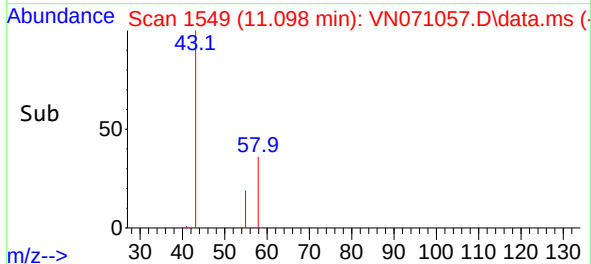
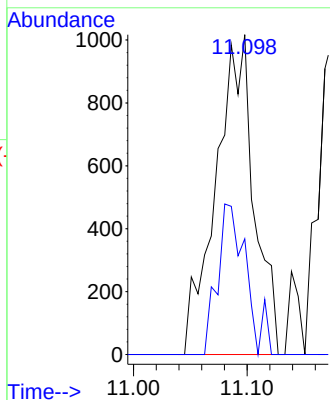
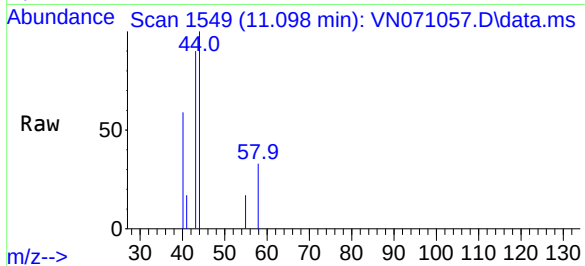




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 11.098 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

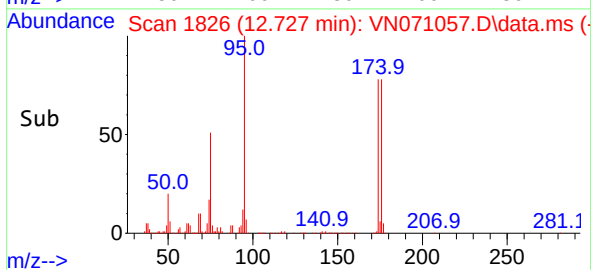
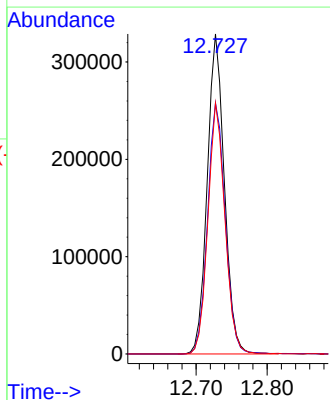
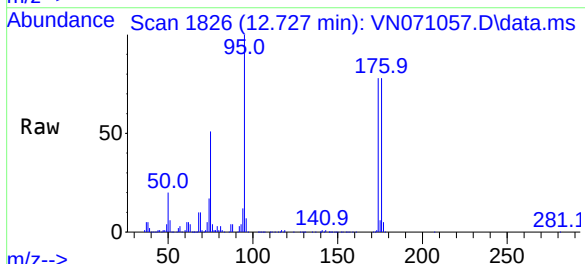
Instrument :
MSVOA_N
ClientSampleId :
31409

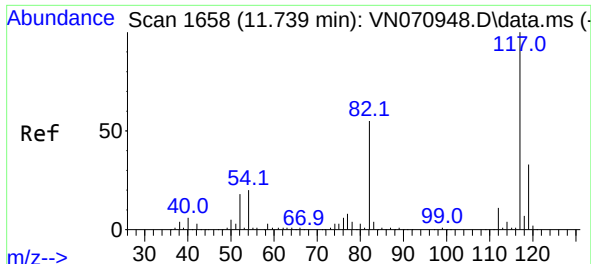
Tgt Ion: 43 Resp: 2383
Ion Ratio Lower Upper
43 100
58 35.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.928 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 95 Resp: 550990
Ion Ratio Lower Upper
95 100
174 81.0 0.0 187.2
176 78.0 0.0 181.4

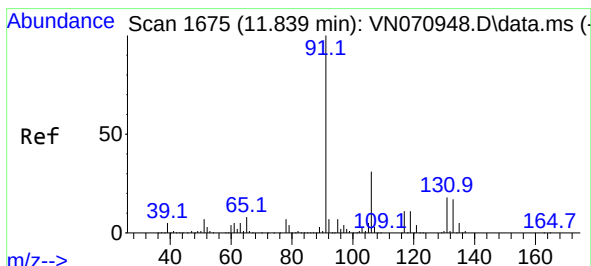
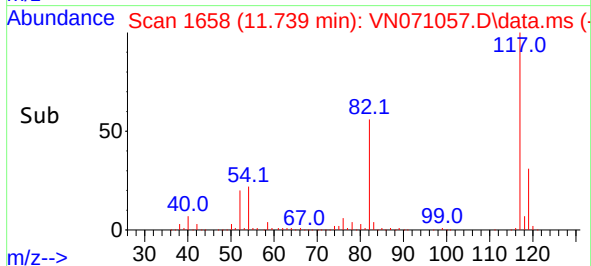
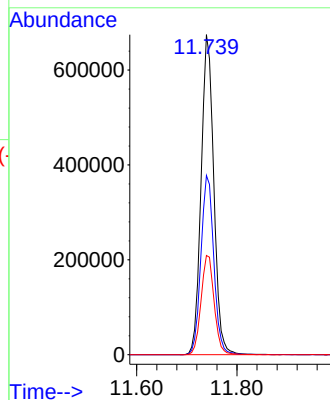
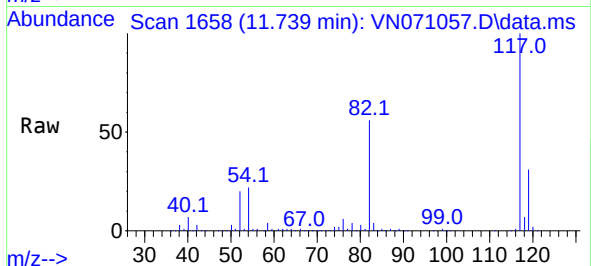




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

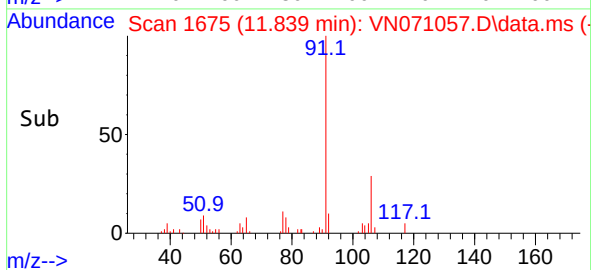
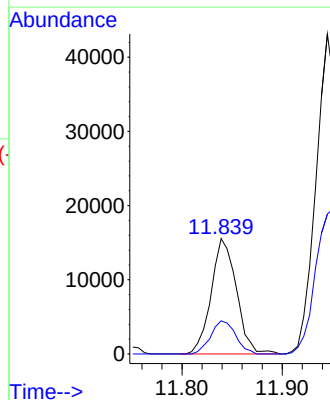
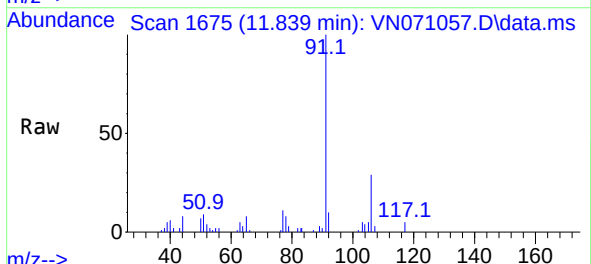
Instrument :
MSVOA_N
ClientSampleId :
31409

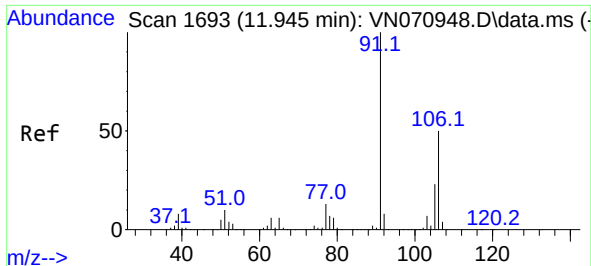
Tgt Ion:117 Resp: 1185249
Ion Ratio Lower Upper
117 100
82 56.0 42.4 63.6
119 31.0 25.4 38.2



#67
Ethyl Benzene
Concen: 0.610 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 91 Resp: 27273
Ion Ratio Lower Upper
91 100
106 28.7 25.7 38.5

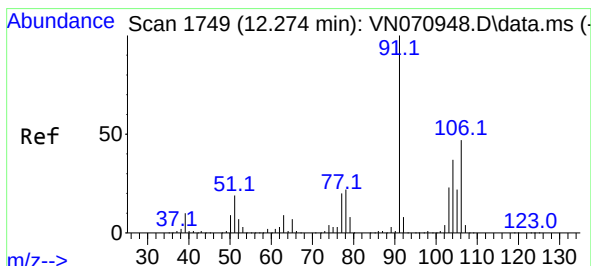
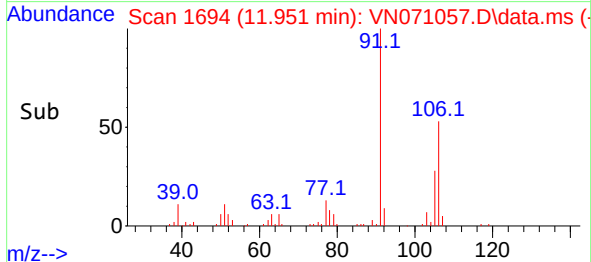
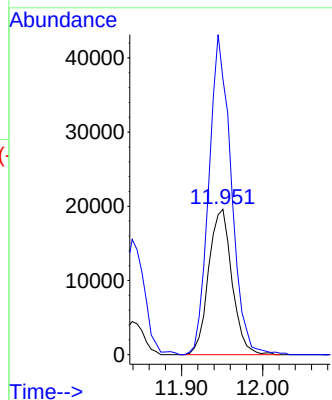
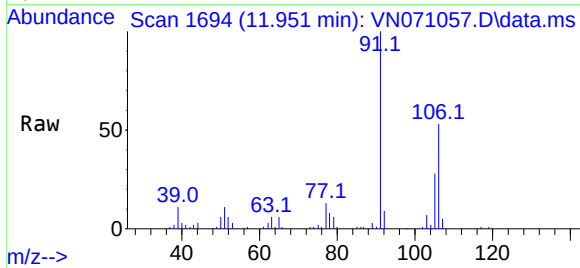




#68
m/p-Xylenes
Concen: 2.268 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

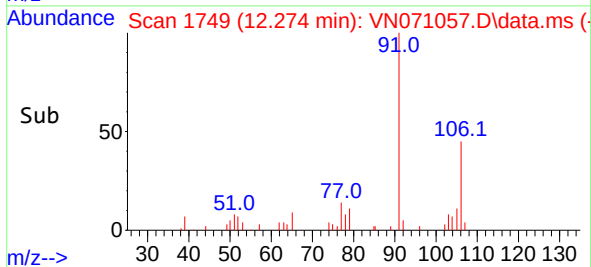
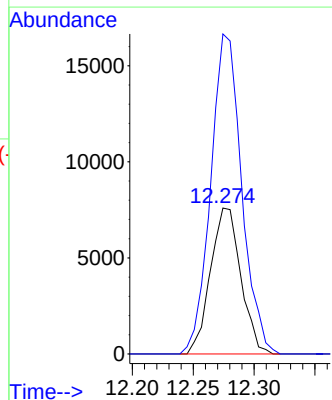
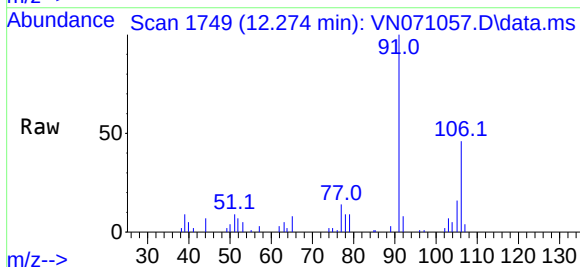
Instrument :
MSVOA_N
ClientSampleId :
31409

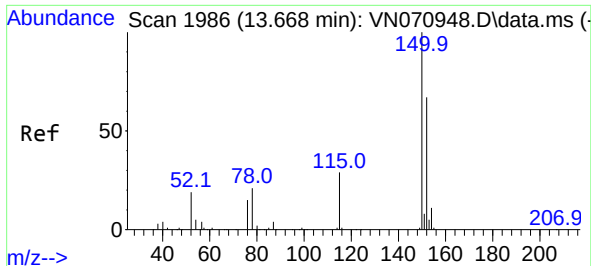
Tgt Ion:106 Resp: 39158
Ion Ratio Lower Upper
106 100
91 210.8 160.6 240.8



#69
o-Xylene
Concen: 0.780 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

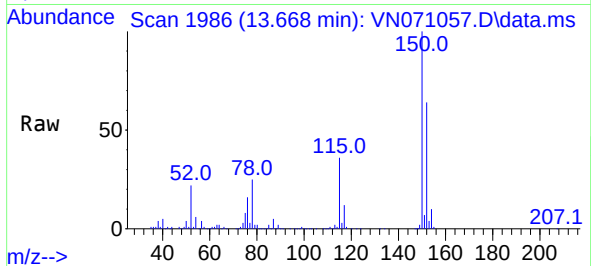
Tgt Ion:106 Resp: 13161
Ion Ratio Lower Upper
106 100
91 224.1 105.8 317.3



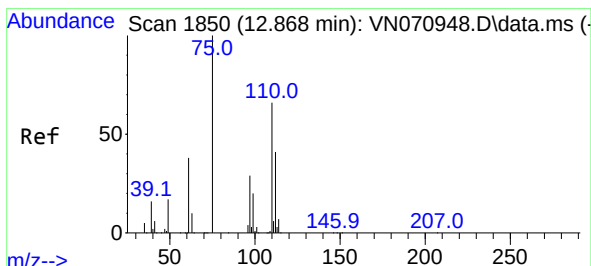
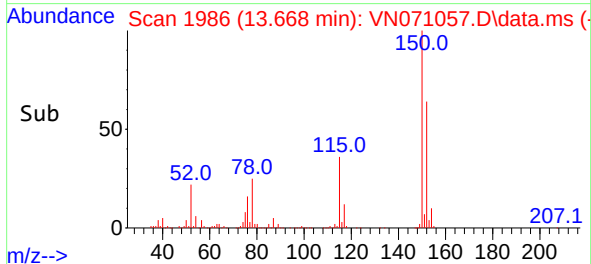
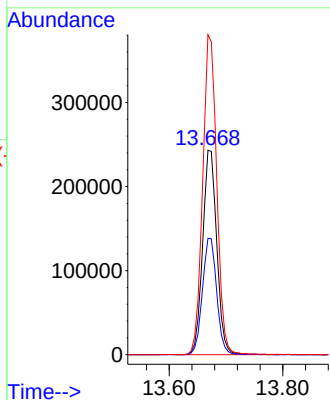


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Instrument :
MSVOA_N
ClientSampleId :
31409

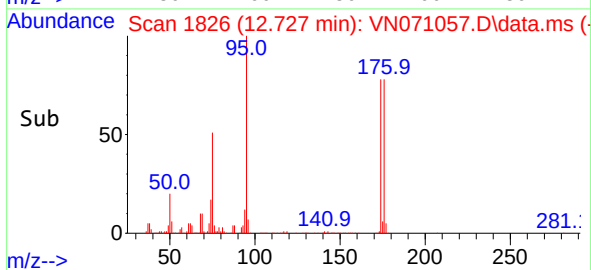
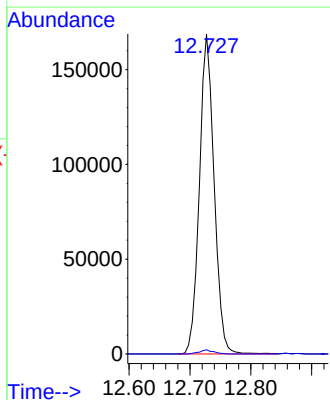
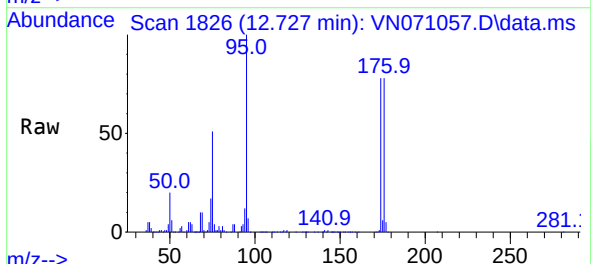


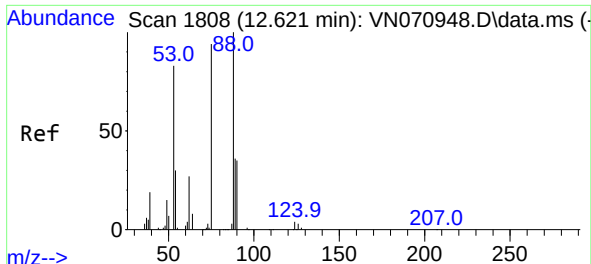
Tgt Ion:152 Resp: 418786
Ion Ratio Lower Upper
152 100
115 57.4 27.5 82.5
150 155.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.744 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion: 75 Resp: 283428
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

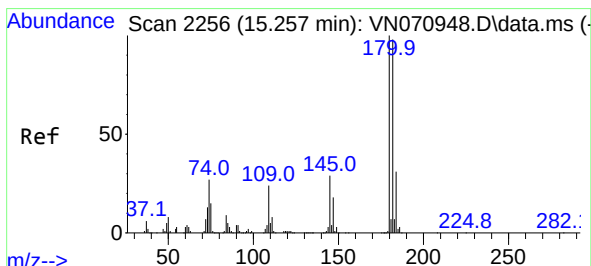
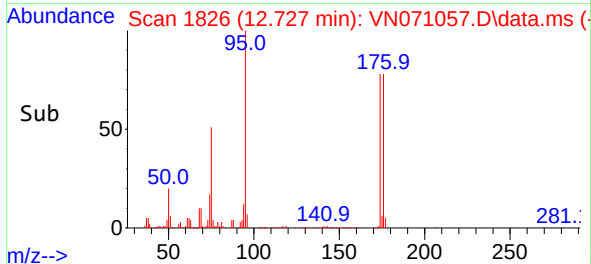
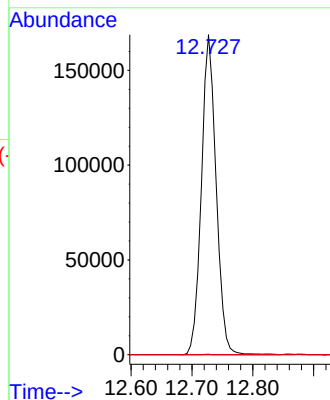
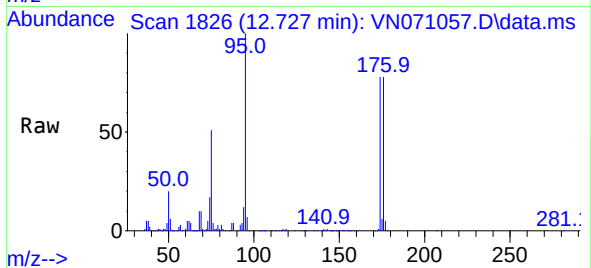




#81
trans-1,4-Dichloro-2-butene
Concen: 93.144 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

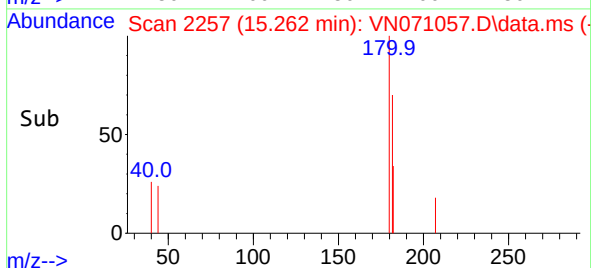
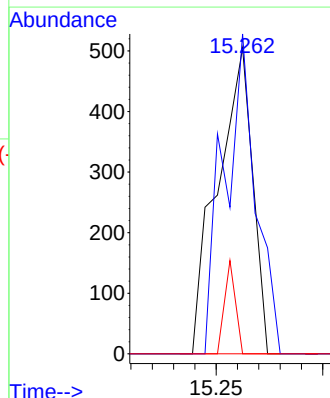
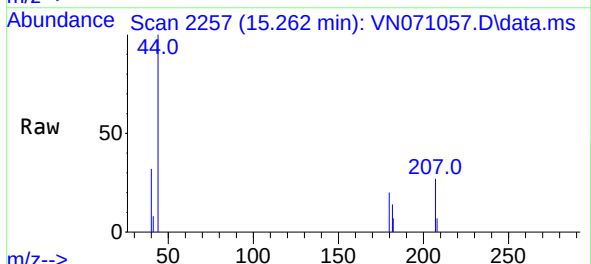
Instrument :
MSVOA_N
ClientSampleId :
31409

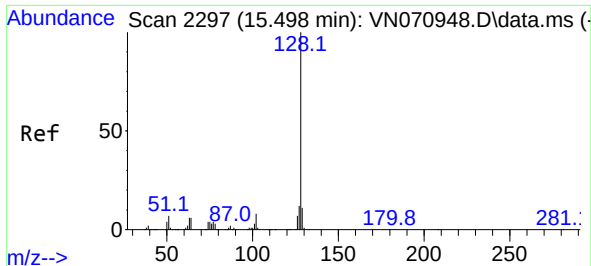
Tgt Ion: 75 Resp: 283428
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.071 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion:180 Resp: 577
Ion Ratio Lower Upper
180 100
182 94.1 48.3 144.9
145 9.4 14.5 43.5#

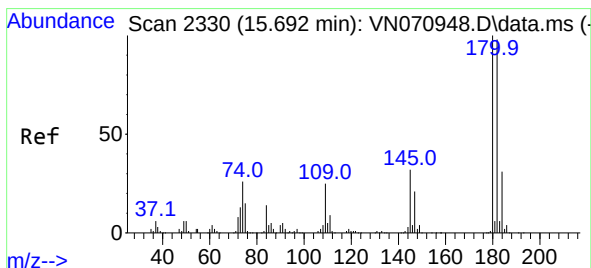
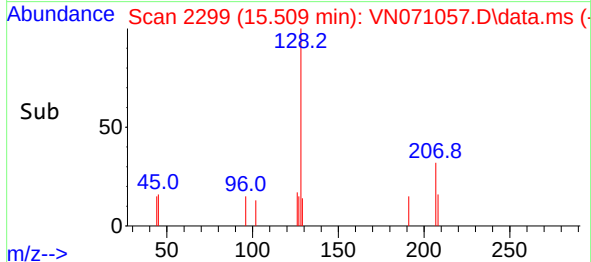
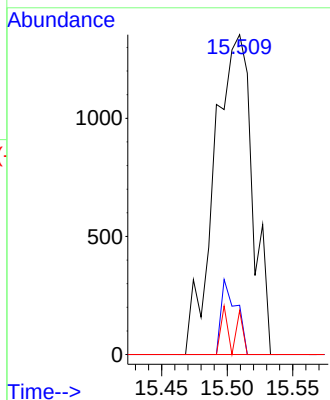
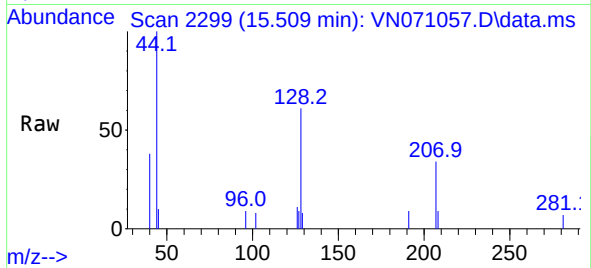




#95
Naphthalene
Concen: 5.121 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Instrument :
MSVOA_N
ClientSampleId :
31409

Tgt Ion:128 Resp: 2733
Ion Ratio Lower Upper
128 100
127 9.4 10.5 15.7#
129 5.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.564 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071057.D
Acq: 24 Feb 2022 15:56

Tgt Ion:180 Resp: 360
Ion Ratio Lower Upper
180 100
182 161.7 47.4 142.2#
145 0.0 15.0 45.1#

