

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112122\
 Data File : VN075345.D
 Acq On : 21 Nov 2022 15:15
 Operator : JC\MD
 Sample : VN1121MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBL01

Quant Time: Nov 22 08:19:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 08:17:11 2022
 Response via : Initial Calibration

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

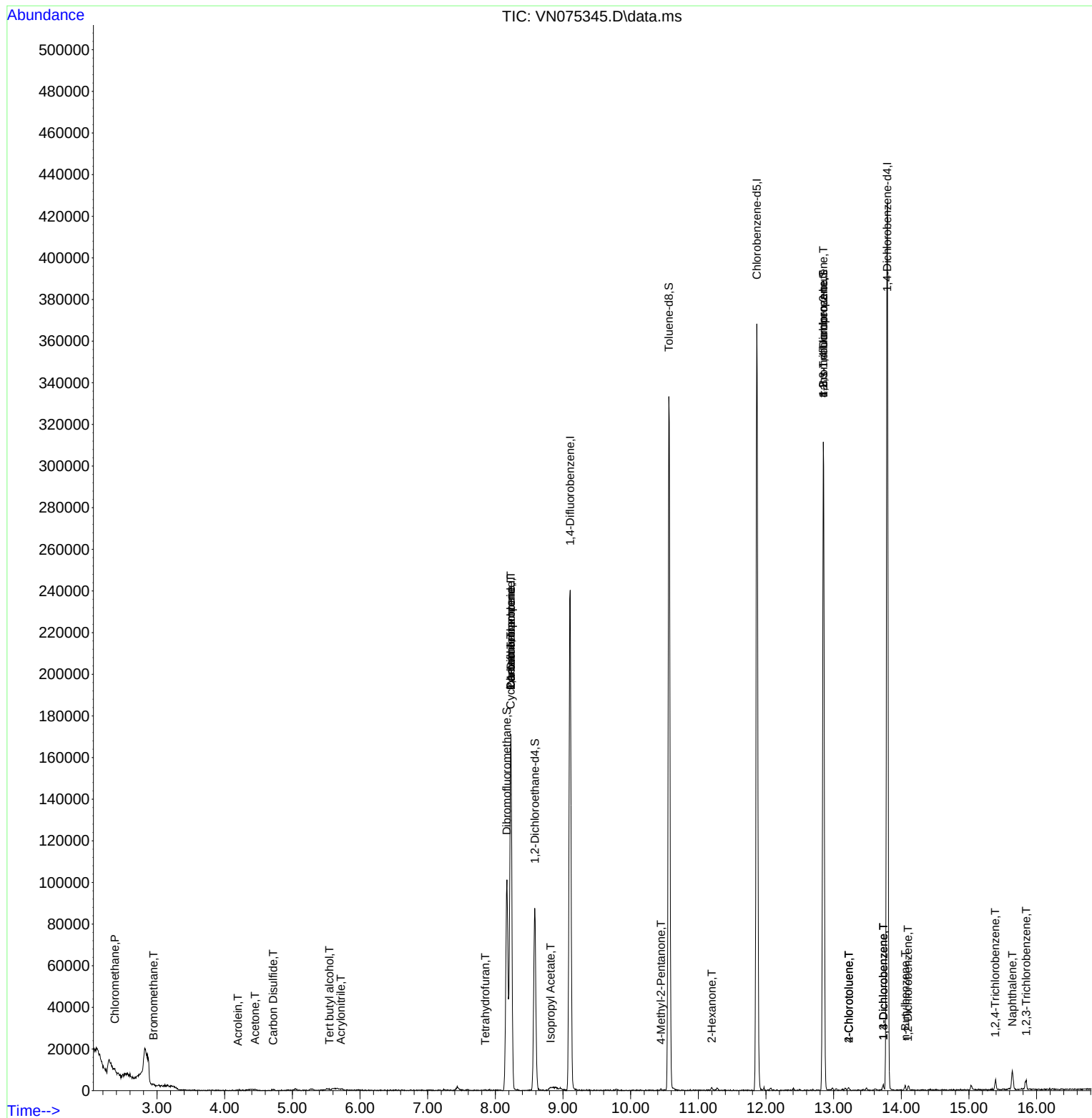
Internal Standards						
1) Pentafluorobenzene	8.230	168	129635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	221572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	70146	100.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 201.600%#			
35) Dibromofluoromethane	8.171	113	71919	82.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 165.260%#			
50) Toluene-d8	10.565	98	237894	121.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 242.700%#			
62) 4-Bromofluorobenzene	12.847	95	108872	75.240	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 150.480%#			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	368	0.298	ug/l #	42
5) Bromomethane	2.948	94	477	0.349	ug/l #	69
6) Chloroethane	3.101	64	374	Below Cal	#	45
11) Tert butyl alcohol	5.548	59	63	0.216	ug/l #	72
13) Acrolein	4.195	56	86	0.338	ug/l #	15
15) Acrylonitrile	5.718	53	225	0.336	ug/l #	29
16) Acetone	4.448	43	241	0.371	ug/l #	43
17) Carbon Disulfide	4.718	76	910	0.292	ug/l #	74
18) Methyl Acetate	5.048	43	1159	Below Cal	#	58
20) Methylene Chloride	5.295	84	651	Below Cal	#	28
29) Tetrahydrofuran	7.853	42	121	0.220	ug/l #	26
31) Cyclohexane	8.224	56	2632	1.190	ug/l #	13
36) 1,1-Dichloropropene	8.230	75	10285	5.418	ug/l #	48
38) Carbon Tetrachloride	8.230	117	13239	6.349	ug/l #	17
43) Isopropyl Acetate	8.818	43	1052	0.383	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	534	0.306	ug/l #	84
59) 2-Hexanone	11.200	43	1382	1.053	ug/l	78
76) 1,2,3-Trichloropropane	12.847	75	55535	24.664	ug/l #	1
79) 2-Chlorotoluene	13.224	91	1326	0.227	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.847	75	55535	72.976	ug/l #	10
82) 4-Chlorotoluene	13.224	91	1326	0.227	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	1068	0.262	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	1068	0.258	ug/l	93
89) n-Butylbenzene	14.059	91	1496	0.235	ug/l	90
91) 1,2-Dichlorobenzene	14.100	146	1129	0.285	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	1846	0.908	ug/l	91
95) Naphthalene	15.641	128	9553	1.494	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	1753	0.877	ug/l	76

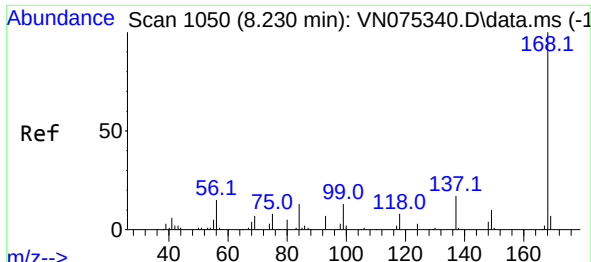
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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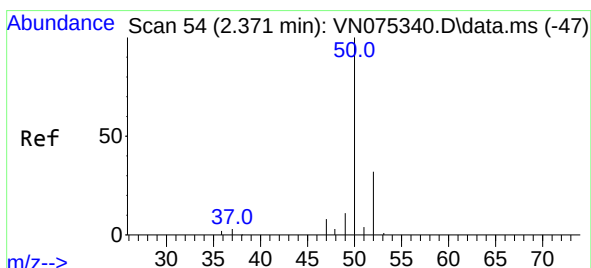
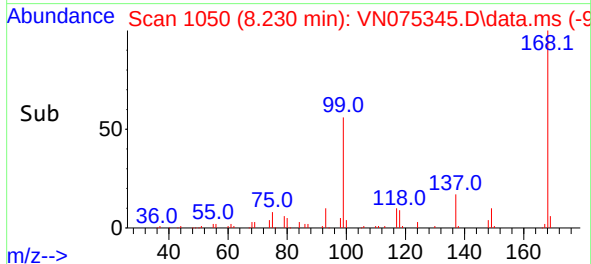
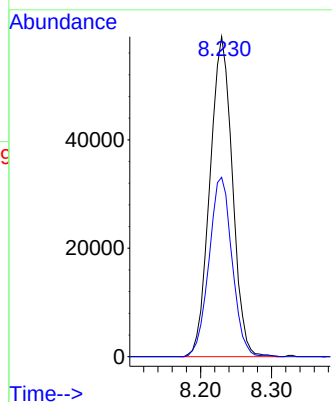
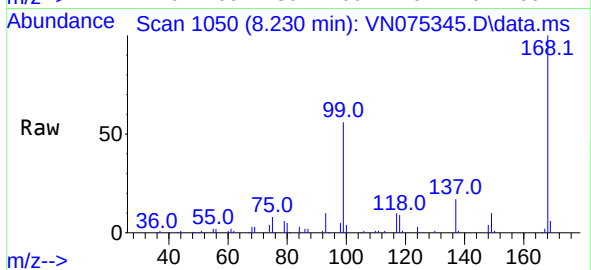




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

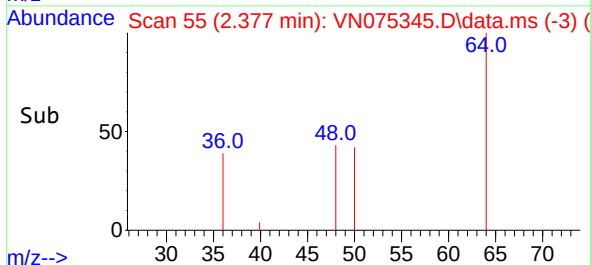
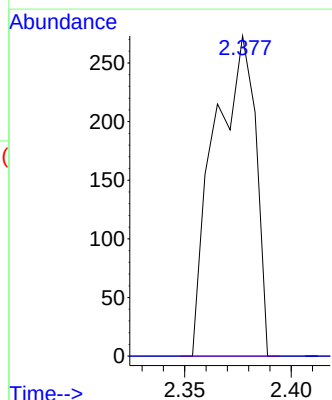
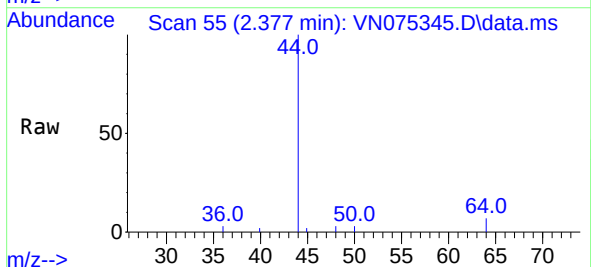
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

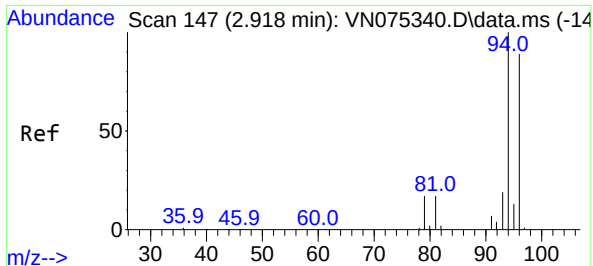
Tgt Ion:168 Resp: 129635
Ion Ratio Lower Upper
168 100
99 56.0 51.6 77.4



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

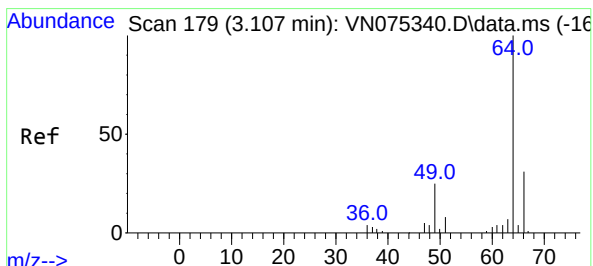
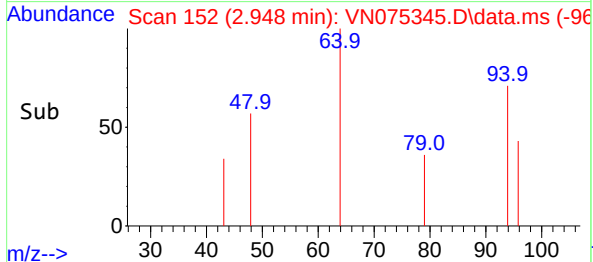
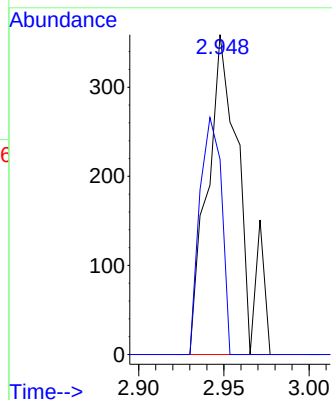
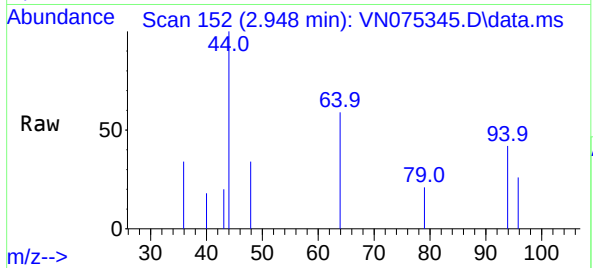




#5
Bromomethane
Concen: 0.349 ug/l
RT: 2.948 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

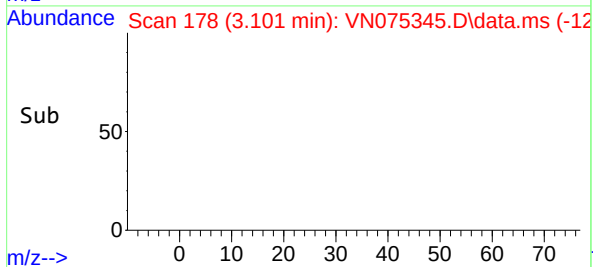
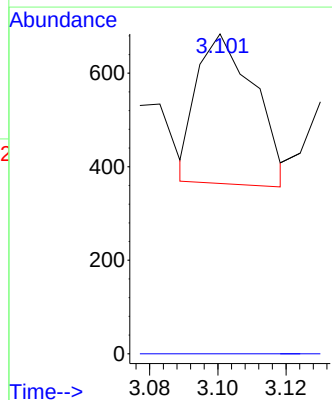
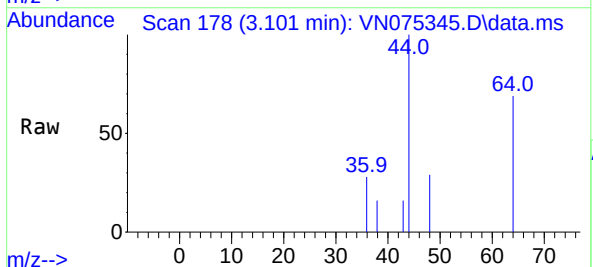
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

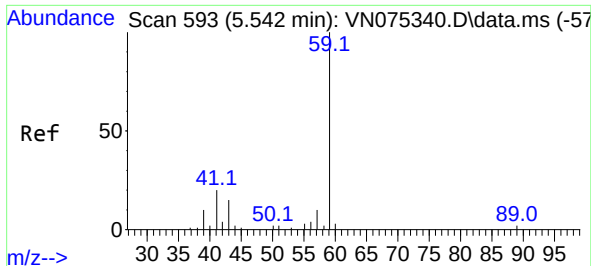
Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 61.0 71.8 107.6#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 178
Delta R.T. -0.006 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 64 Resp: 374
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 5.548 min Scan# 59

Delta R.T. 0.006 min

Lab File: VN075345.D

Acq: 21 Nov 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

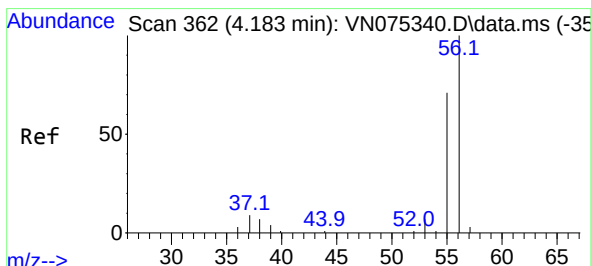
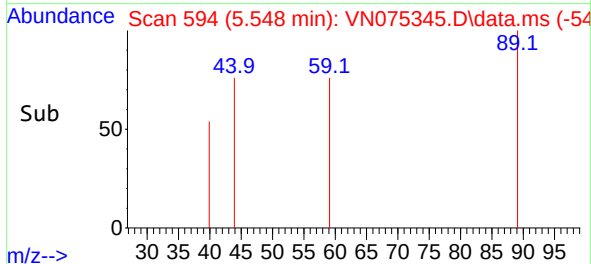
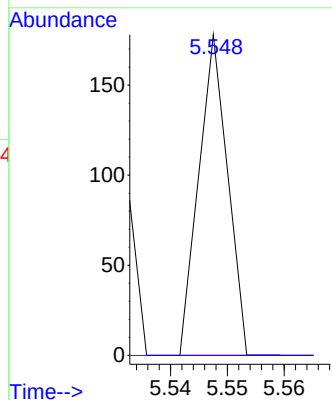
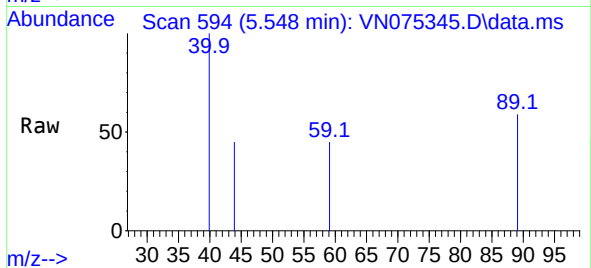
VN1121MBL01

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.338 ug/l

RT: 4.195 min Scan# 364

Delta R.T. 0.012 min

Lab File: VN075345.D

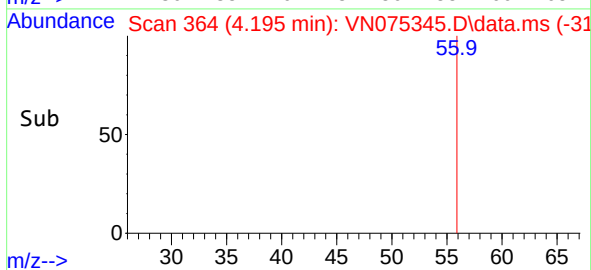
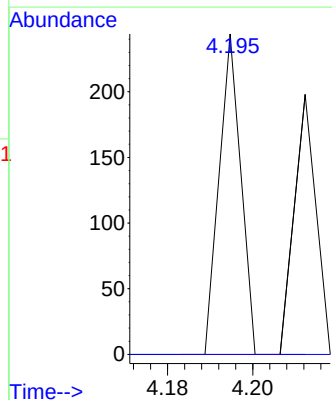
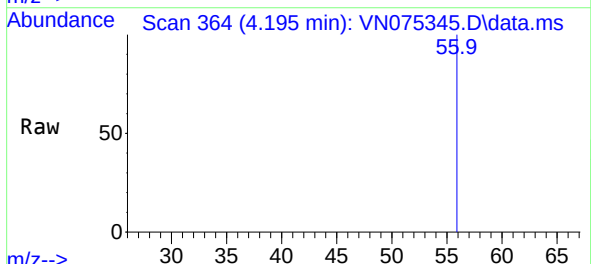
Acq: 21 Nov 2022 15:15

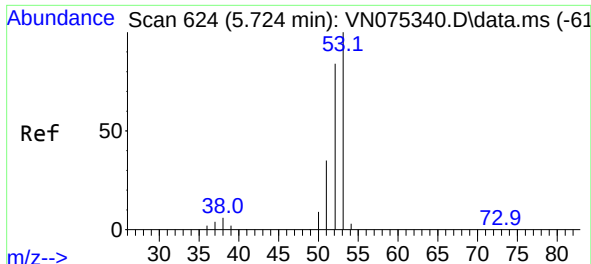
Tgt Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 0.0 55.2 82.8#

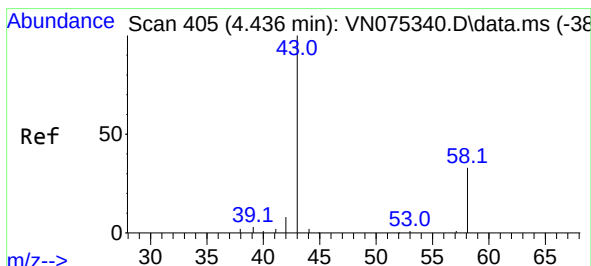
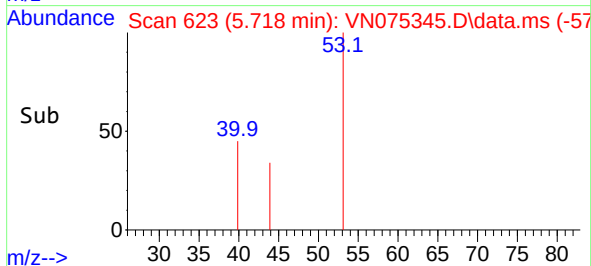
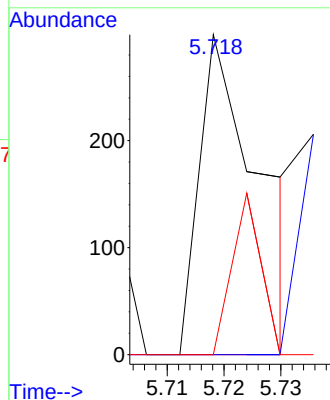
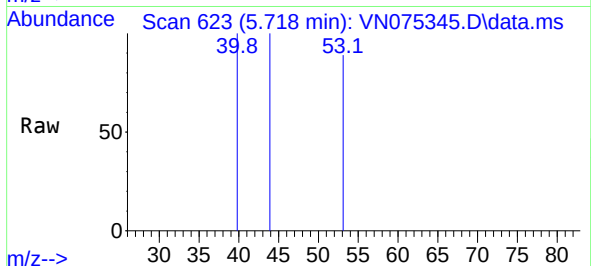




#15
Acrylonitrile
Concen: 0.336 ug/l
RT: 5.718 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

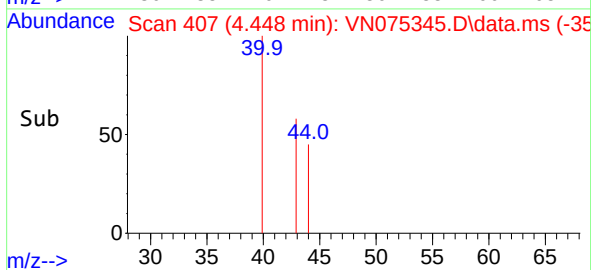
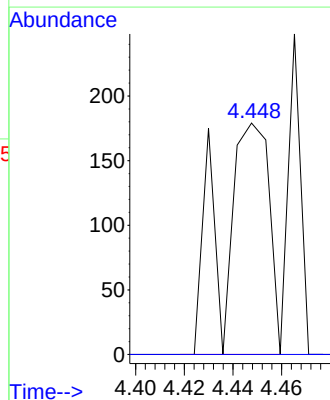
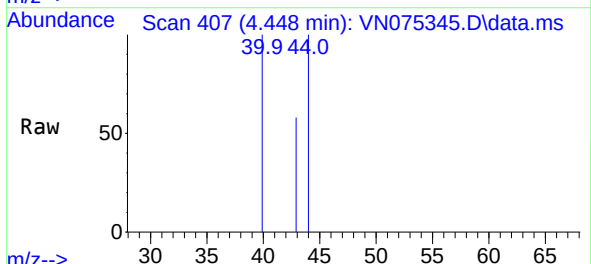
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

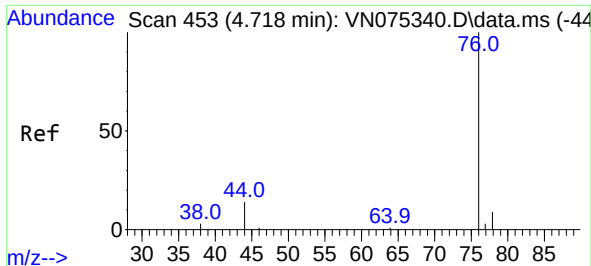
Tgt Ion: 53 Resp: 225
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 23.6 29.6 44.4#



#16
Acetone
Concen: 0.371 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

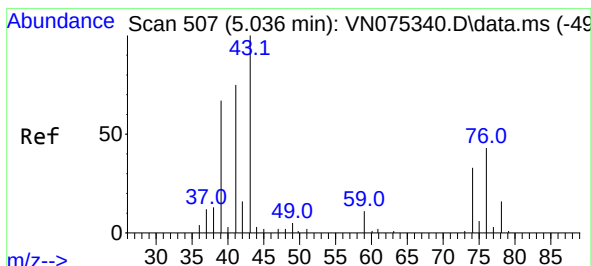
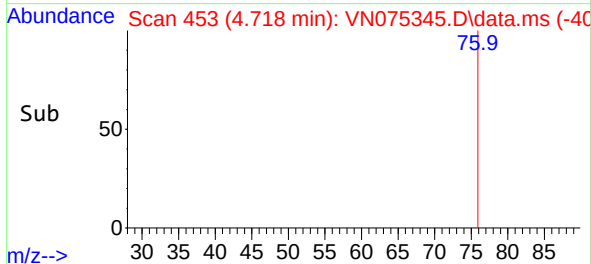
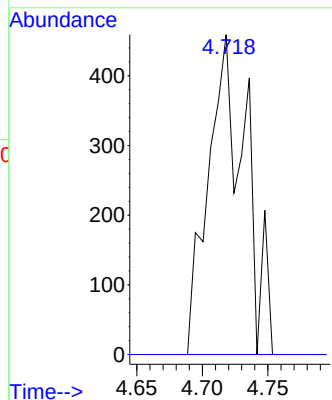
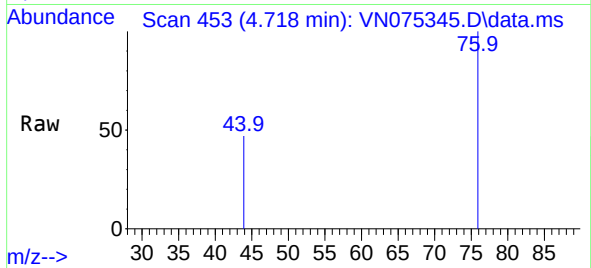




#17
Carbon Disulfide
Concen: 0.292 ug/l
RT: 4.718 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

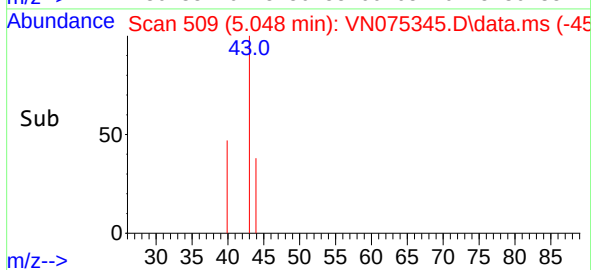
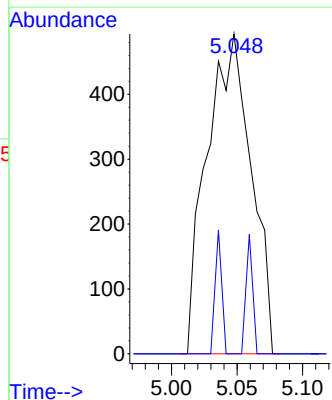
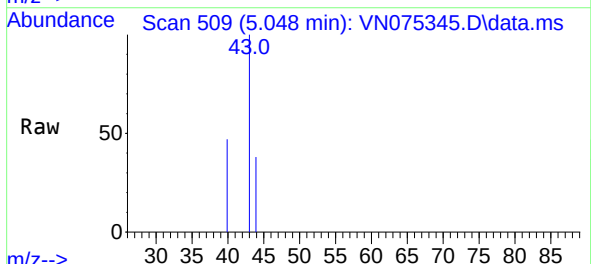
Instrument :
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ClientSampleId :
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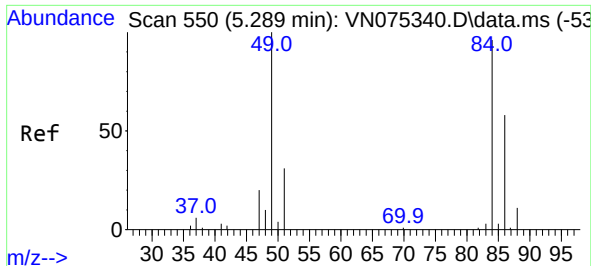
Tgt Ion: 76 Resp: 910
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
74 5.8 22.0 33.0#



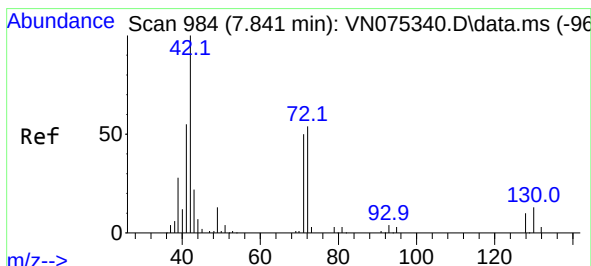
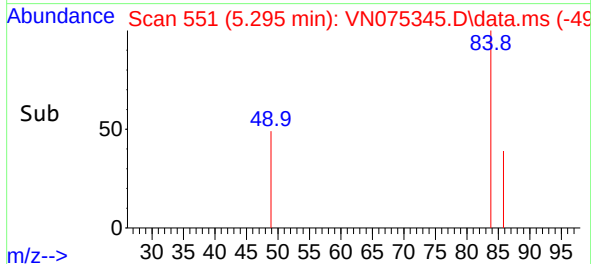
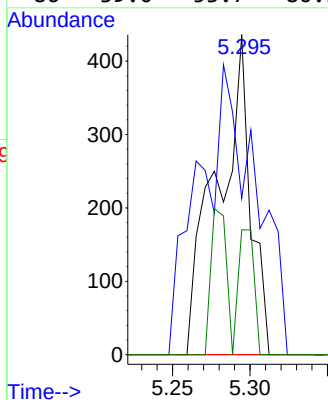
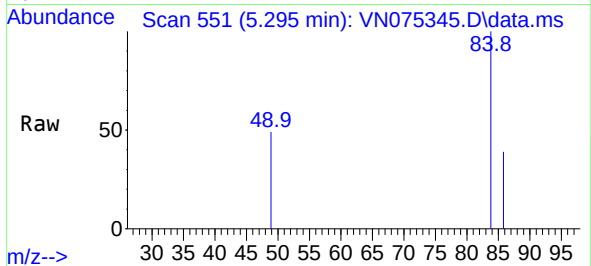


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

Tgt Ion: 84 Resp: 651

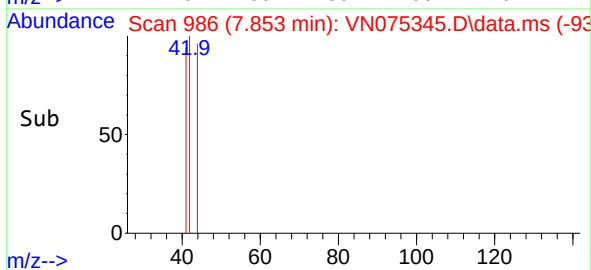
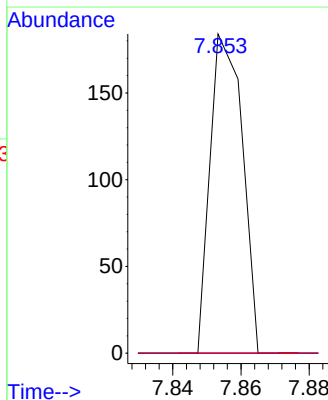
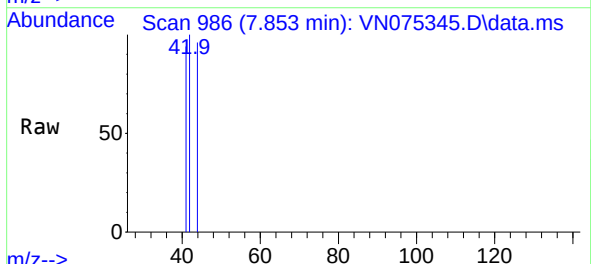
Ion	Ratio	Lower	Upper
84	100		
49	11.7	94.9	142.3#
51	0.0	26.8	40.2#
86	39.0	53.7	80.5#

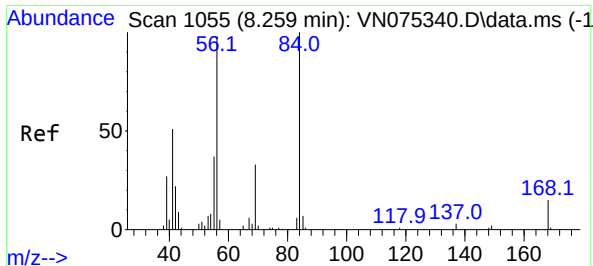


#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 42 Resp: 121

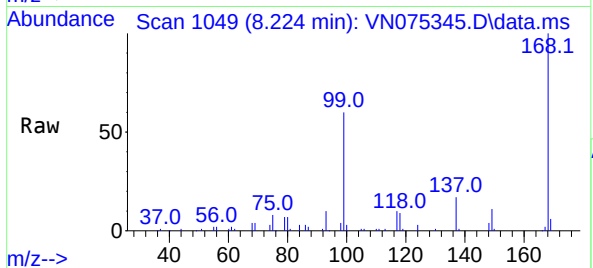
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.6#
71	0.0	39.9	59.9#



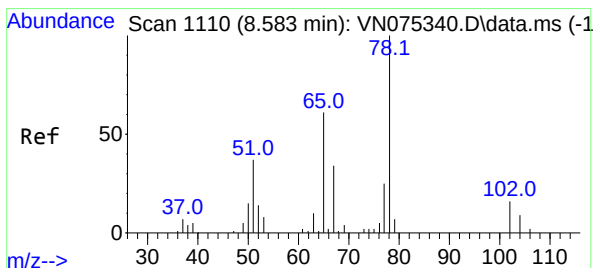
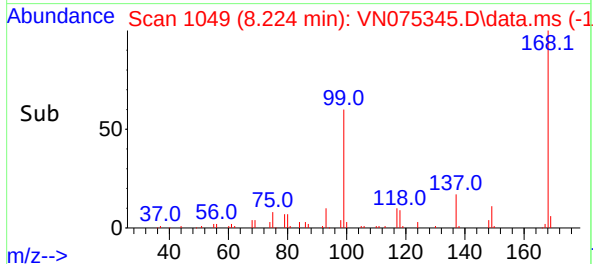
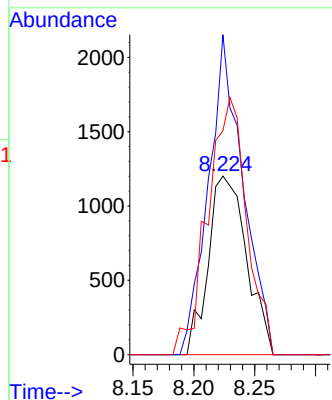


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

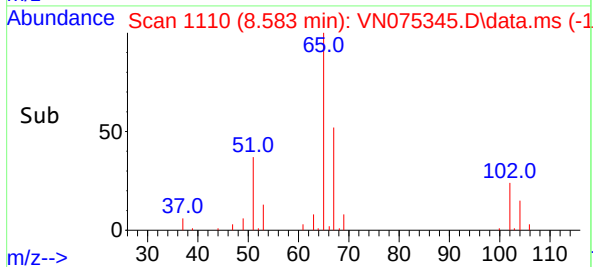
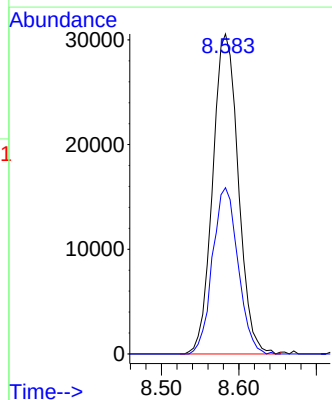
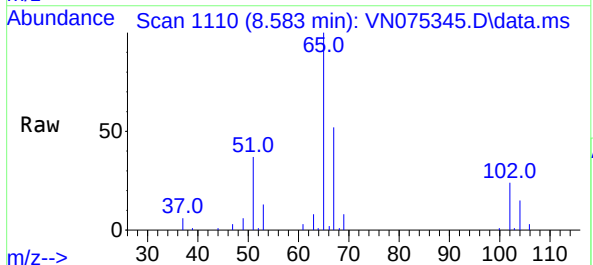


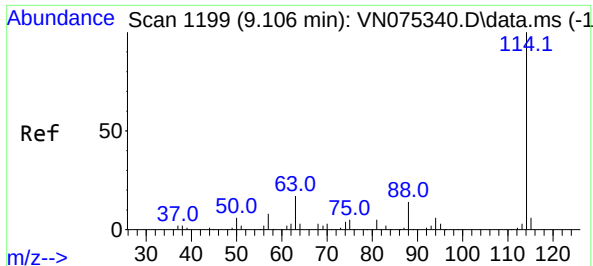
Tgt Ion: 56 Resp: 2632
Ion Ratio Lower Upper
56 100
69 179.3 25.2 37.8#
84 125.5 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 100.804 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 65 Resp: 70146
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075345.D

Acq: 21 Nov 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBL01

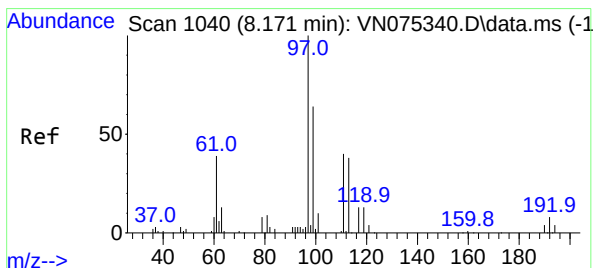
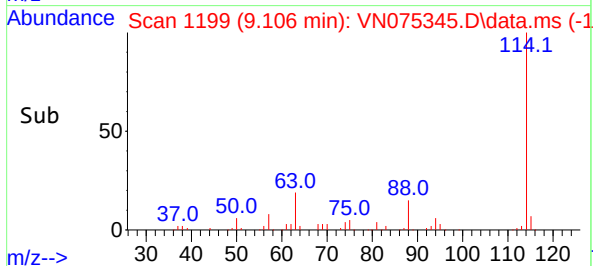
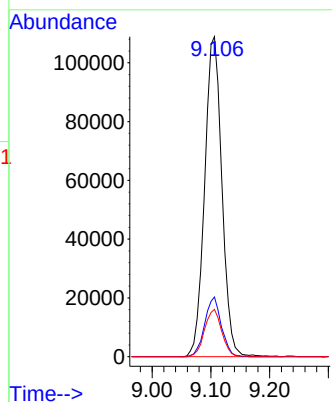
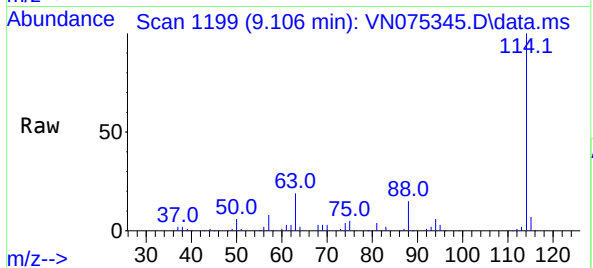
Tgt Ion:114 Resp: 221572

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 82.627 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075345.D

Acq: 21 Nov 2022 15:15

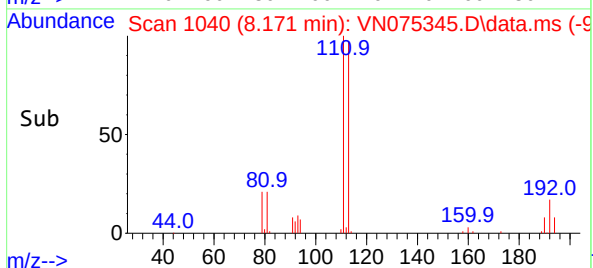
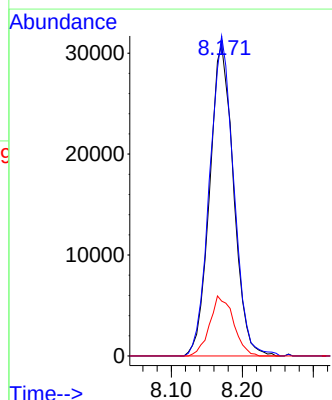
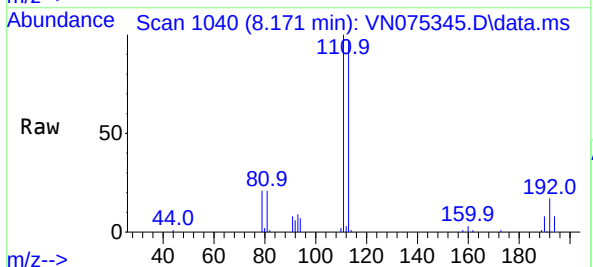
Tgt Ion:113 Resp: 71919

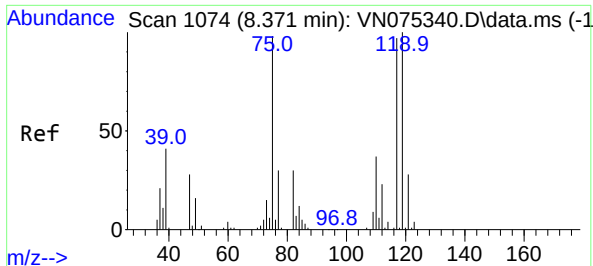
Ion Ratio Lower Upper

113 100

111 103.6 80.5 120.7

192 19.2 13.2 19.8

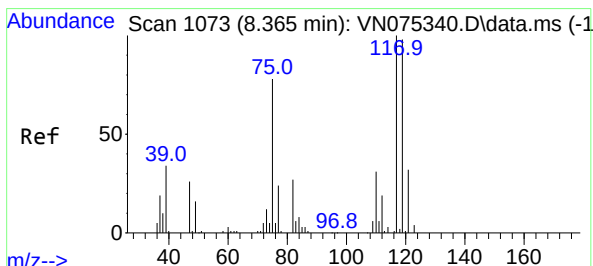
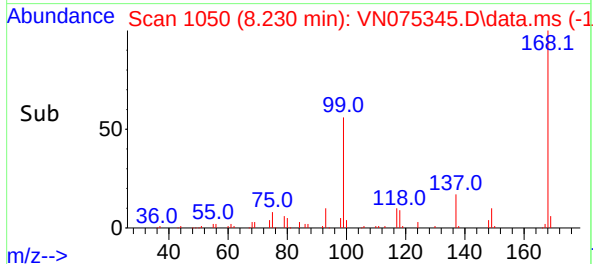
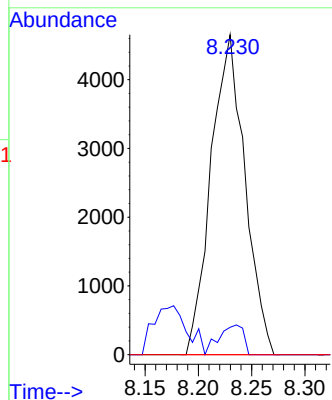
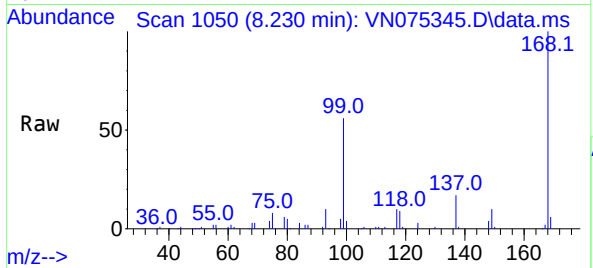




#36
1,1-Dichloropropene
Concen: 5.418 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

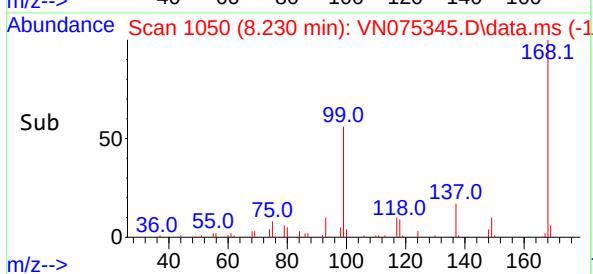
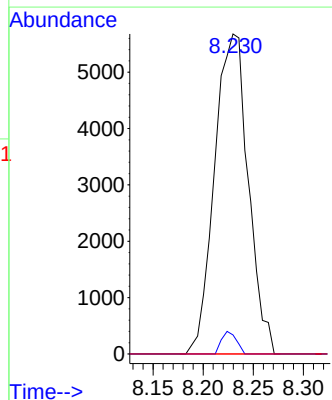
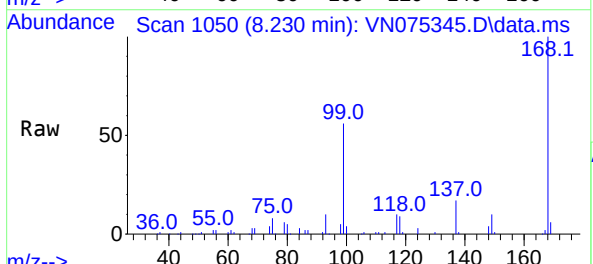
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

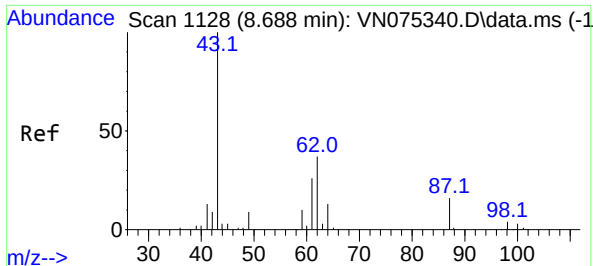
Tgt Ion: 75 Resp: 10285
Ion Ratio Lower Upper
75 100
110 6.7 17.8 53.3#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.349 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 117 Resp: 13239
Ion Ratio Lower Upper
117 100
119 5.9 76.7 115.1#
121 0.0 23.9 35.9#

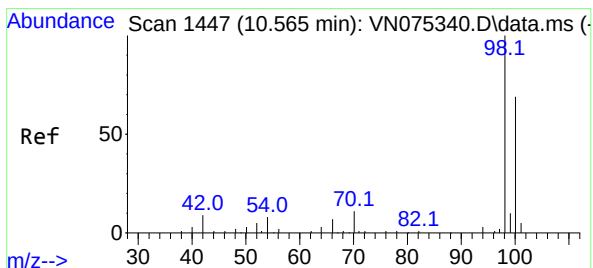
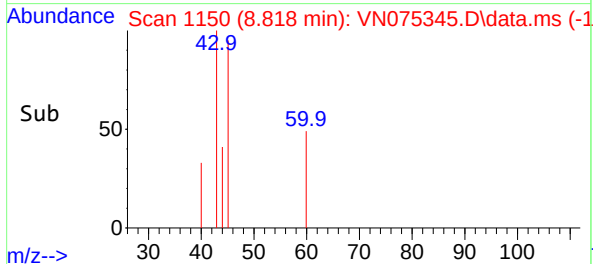
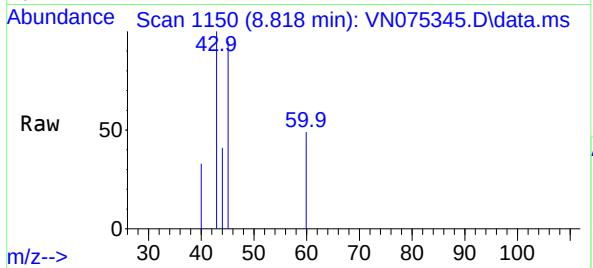




#43
Isopropyl Acetate
Concen: 0.383 ug/l
RT: 8.818 min Scan# 1150
Delta R.T. 0.130 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

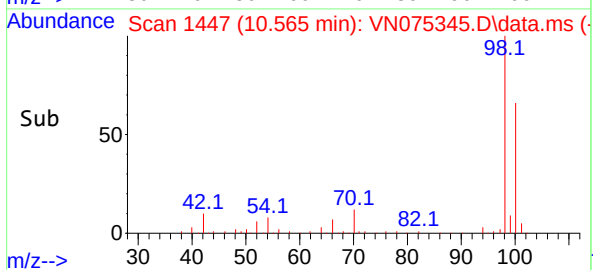
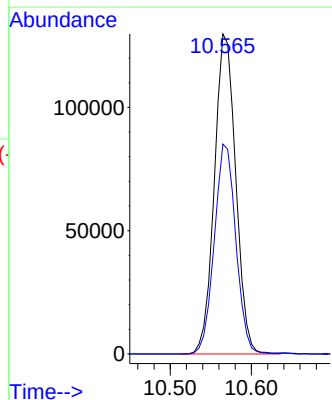
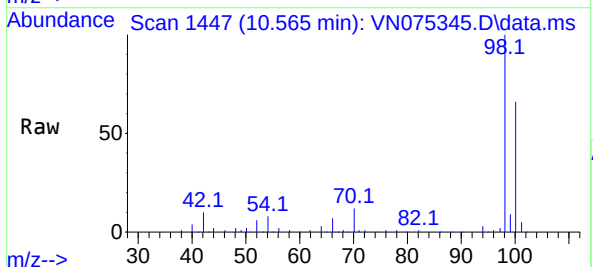
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

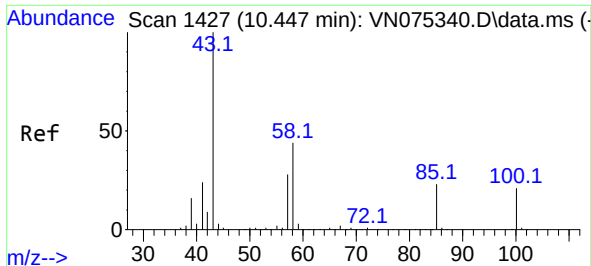
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#50
Toluene-d8
Concen: 121.350 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 98 Resp: 237894
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6

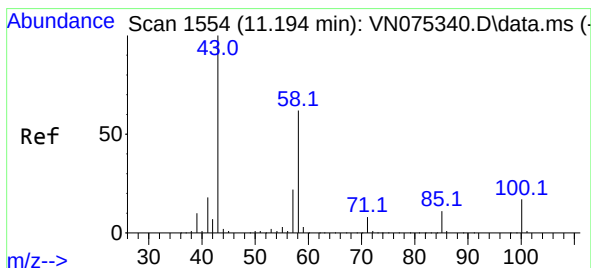
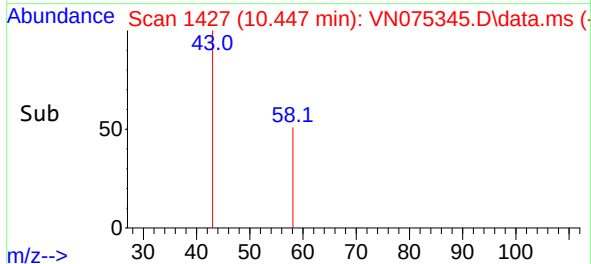
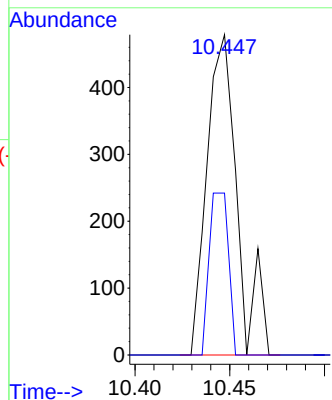
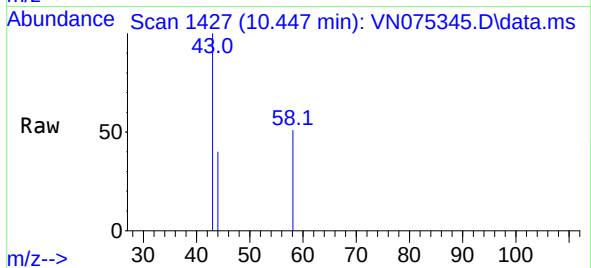




#51
4-Methyl-2-Pentanone
Concen: 0.306 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

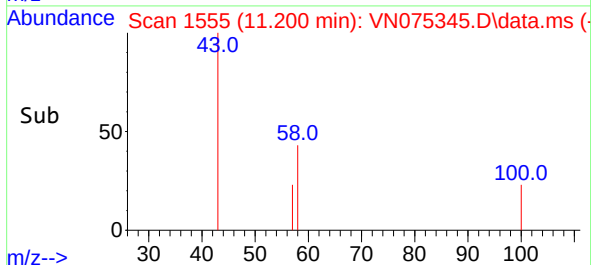
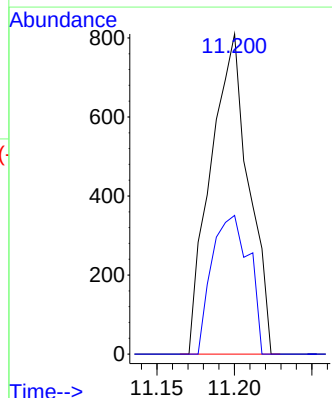
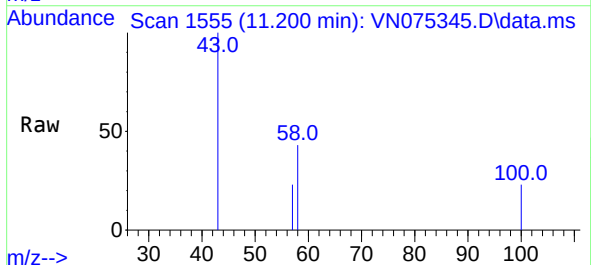
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

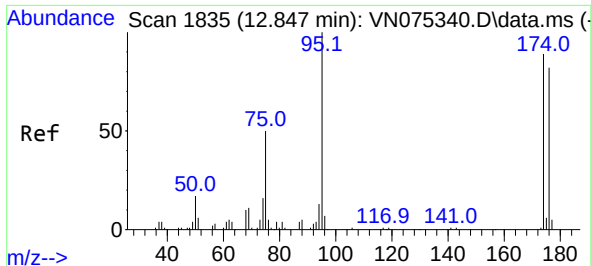
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 32.0 33.6 50.4#



#59
2-Hexanone
Concen: 1.053 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 42.3 29.6 88.8

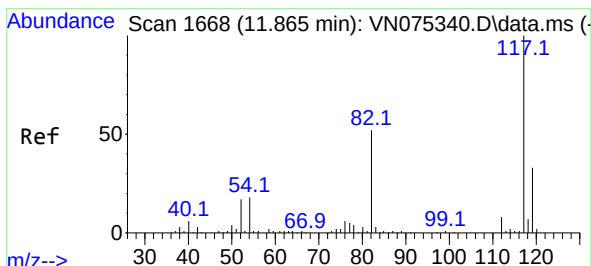
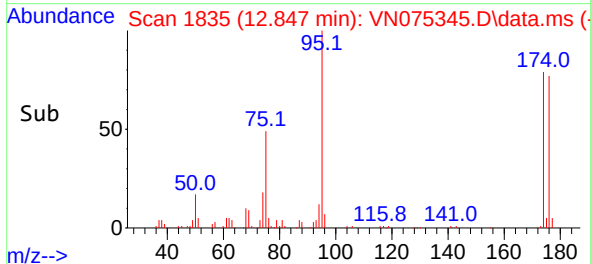
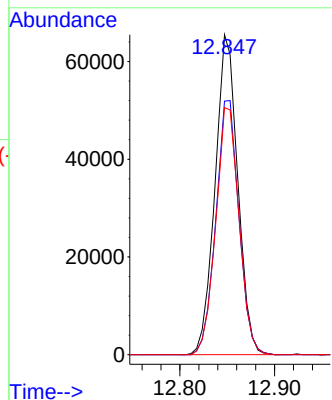
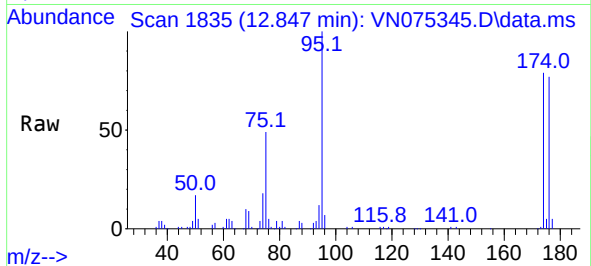




#62
4-Bromofluorobenzene
Concen: 75.240 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

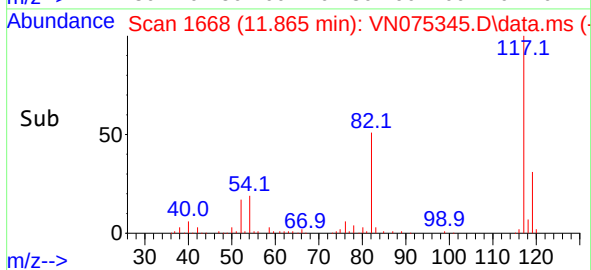
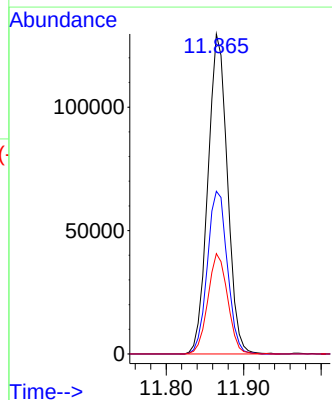
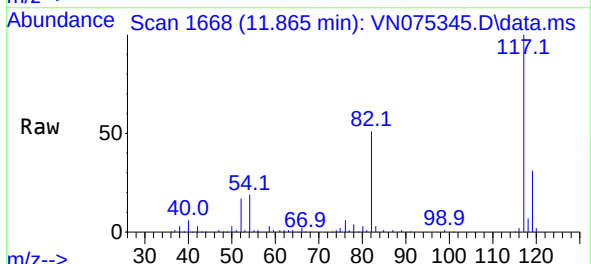
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

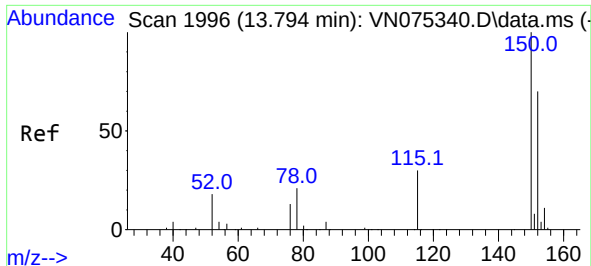
Tgt Ion: 95 Resp: 108872
Ion Ratio Lower Upper
95 100
174 81.0 0.0 147.4
176 79.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 117 Resp: 226467
Ion Ratio Lower Upper
117 100
82 50.8 43.1 64.7
119 31.3 25.5 38.3

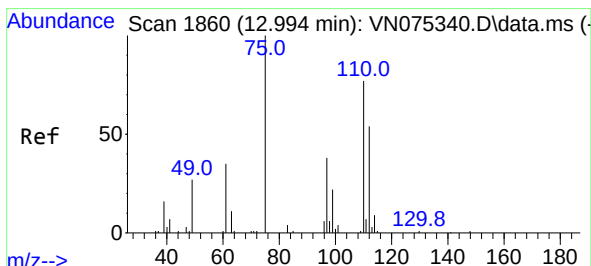
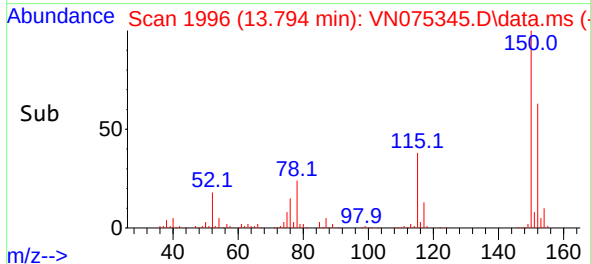
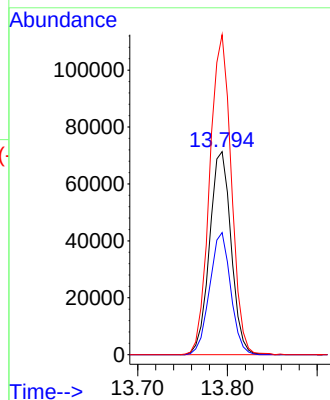
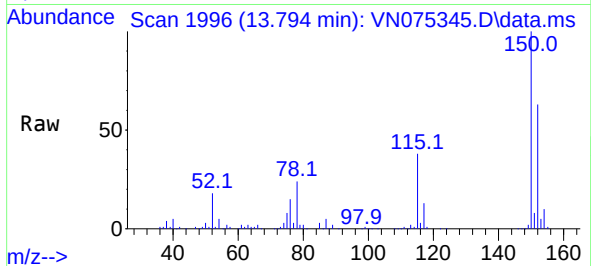




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075345.D
 Acq: 21 Nov 2022 15:15

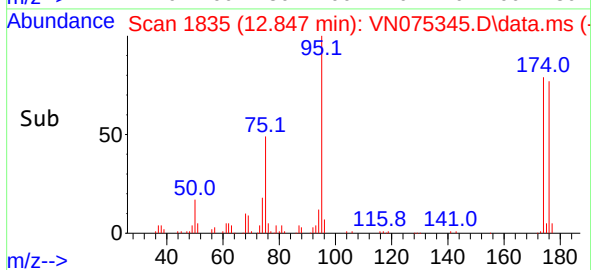
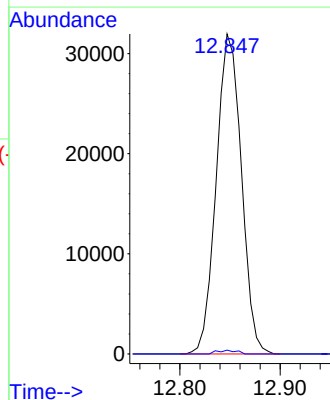
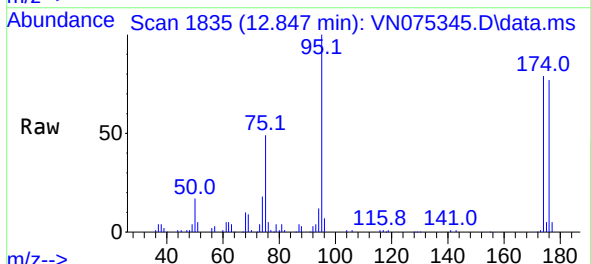
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBL01

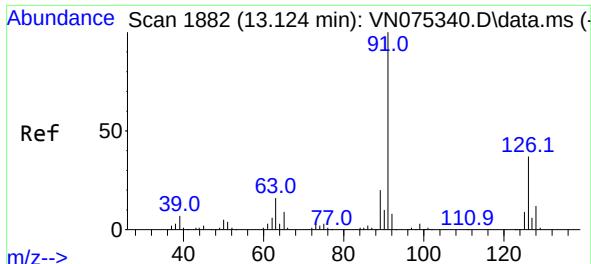
Tgt Ion:152 Resp: 119088
 Ion Ratio Lower Upper
 152 100
 115 58.6 30.2 90.6
 150 157.8 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 24.664 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075345.D
 Acq: 21 Nov 2022 15:15

Tgt Ion: 75 Resp: 55535
 Ion Ratio Lower Upper
 75 100
 77 0.9 75.6 226.8#

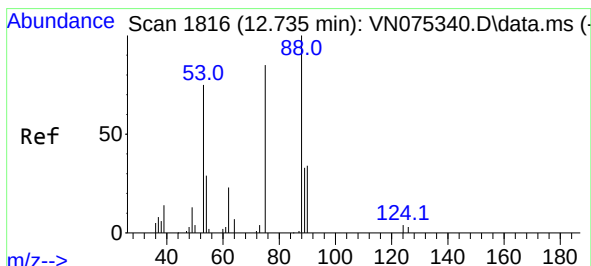
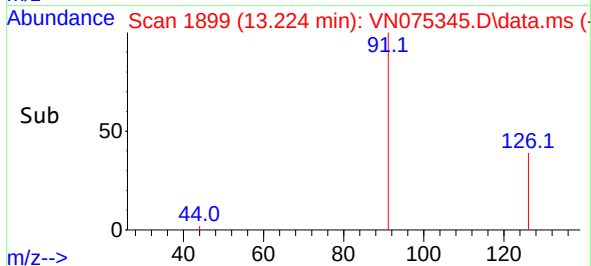
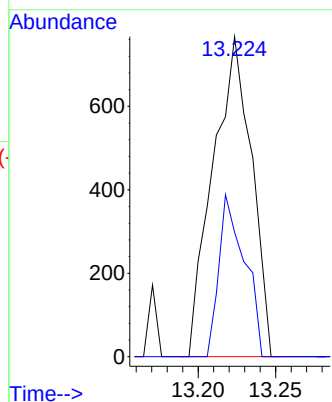
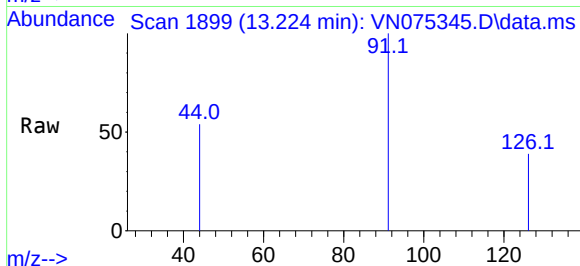




#79
 2-Chlorotoluene
 Concen: 0.227 ug/l
 RT: 13.224 min Scan# 1899
 Delta R.T. 0.099 min
 Lab File: VN075345.D
 Acq: 21 Nov 2022 15:15

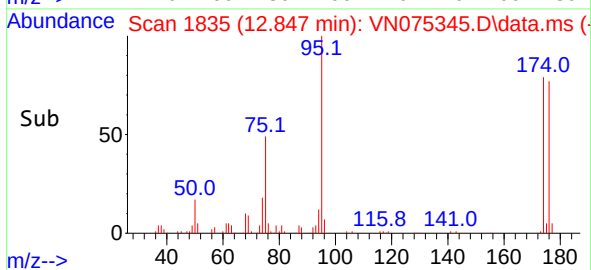
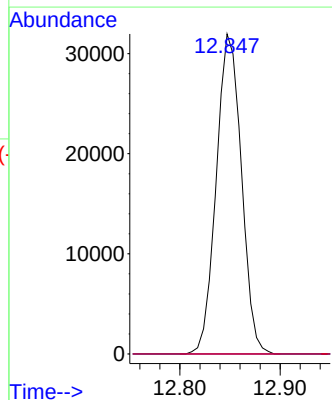
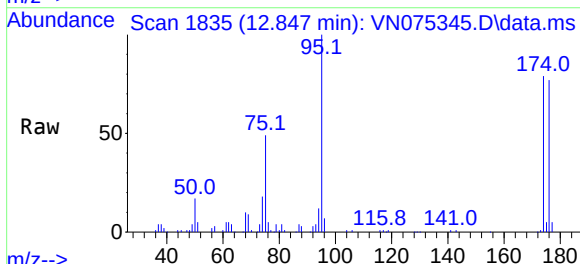
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBL01

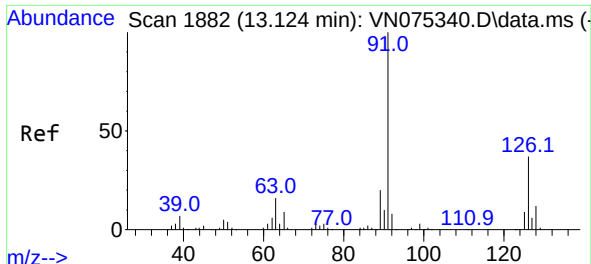
Tgt Ion: 91 Resp: 1326
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.9 50.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.976 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. 0.112 min
 Lab File: VN075345.D
 Acq: 21 Nov 2022 15:15

Tgt Ion: 75 Resp: 55535
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

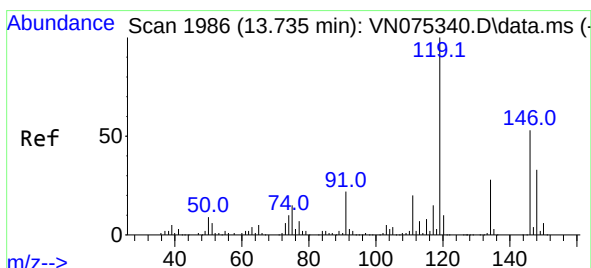
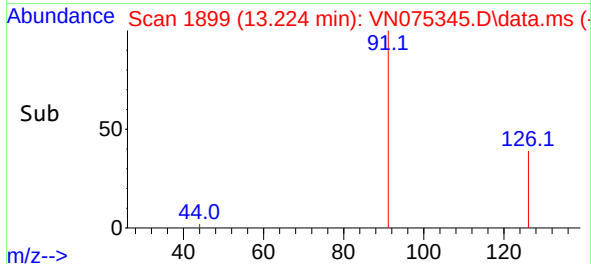
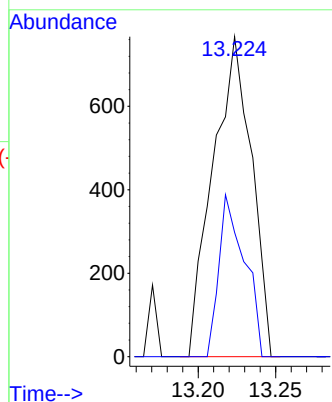
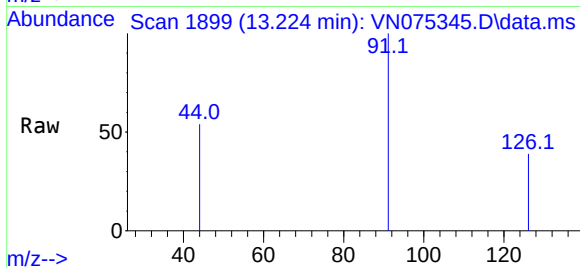




#82
4-Chlorotoluene
Concen: 0.227 ug/l
RT: 13.224 min Scan# 1882
Delta R.T. 0.099 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

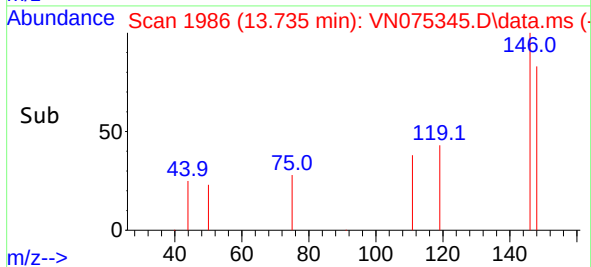
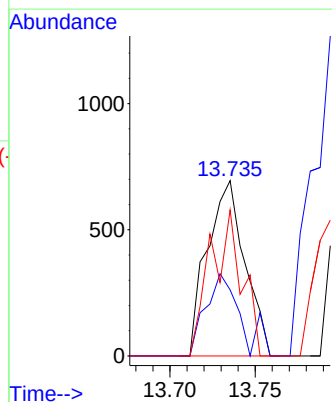
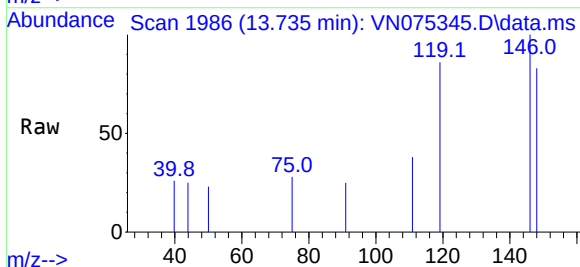
Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

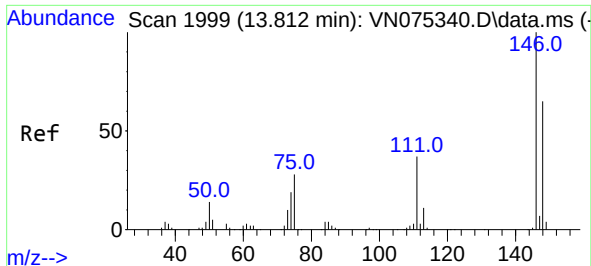
Tgt Ion: 91 Resp: 1326
Ion Ratio Lower Upper
91 100
126 33.7 16.9 50.7



#87
1,3-Dichlorobenzene
Concen: 0.262 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 146 Resp: 1068
Ion Ratio Lower Upper
146 100
111 43.2 20.8 62.5
148 69.9 31.1 93.5



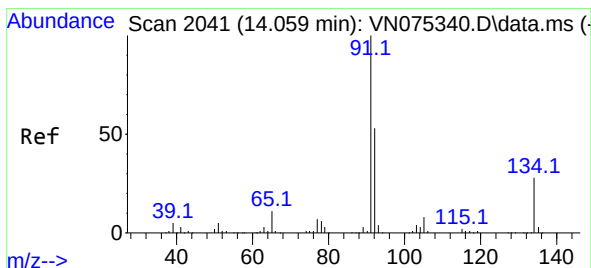
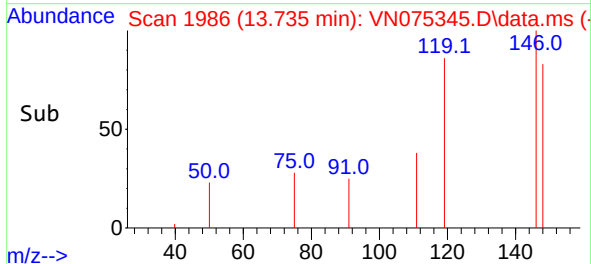
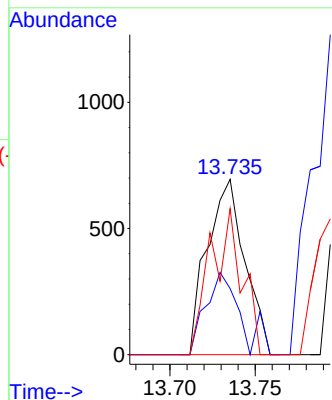
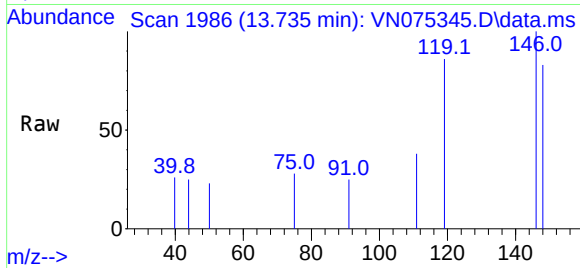


#88
1,4-Dichlorobenzene
Concen: 0.258 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

Tgt Ion:146 Resp: 1068

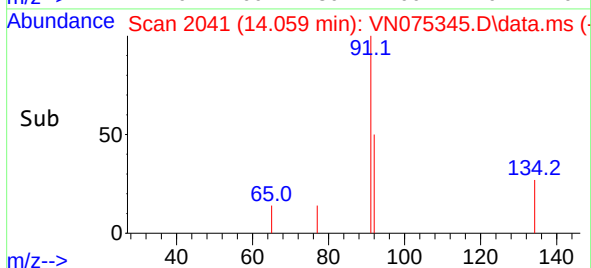
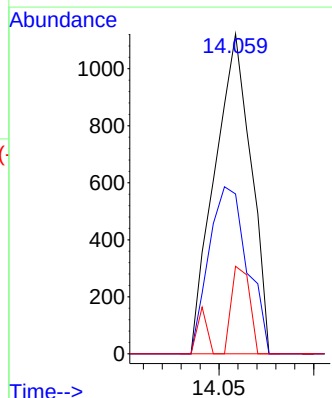
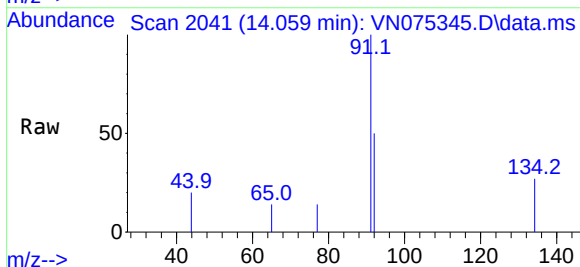
Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.1	60.3
148	69.9	31.9	95.7

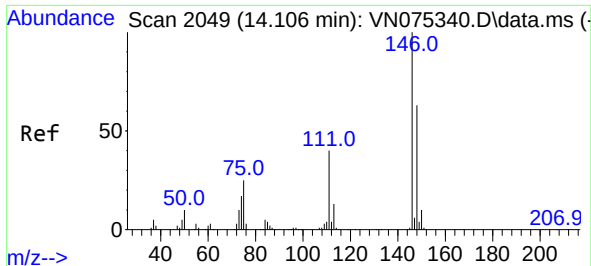


#89
n-Butylbenzene
Concen: 0.235 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion: 91 Resp: 1496

Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.5	79.4
134	13.8	13.0	39.0





#91

1,2-Dichlorobenzene

Concen: 0.285 ug/l

RT: 14.100 min Scan# 2049

Delta R.T. -0.006 min

Lab File: VN075345.D

Acq: 21 Nov 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBL01

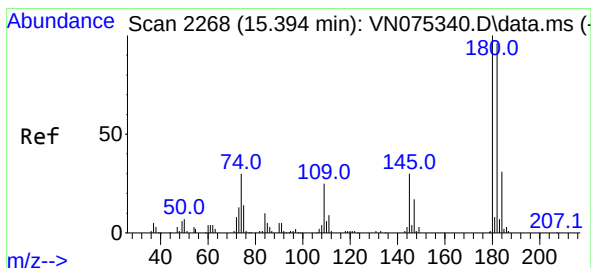
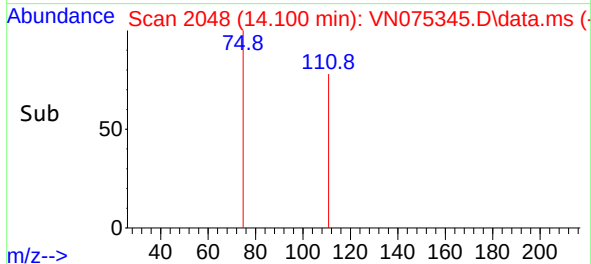
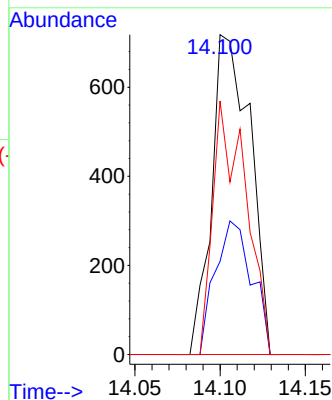
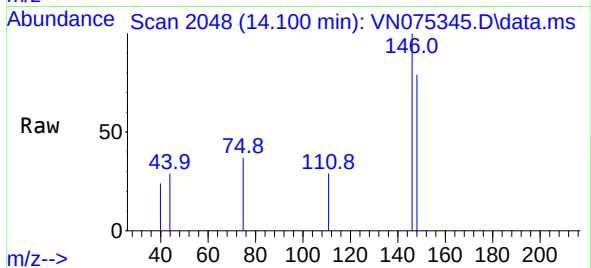
Tgt Ion:146 Resp: 1129

Ion Ratio Lower Upper

146 100

111 39.7 21.3 63.9

148 67.8 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 0.908 ug/l

RT: 15.388 min Scan# 2267

Delta R.T. -0.006 min

Lab File: VN075345.D

Acq: 21 Nov 2022 15:15

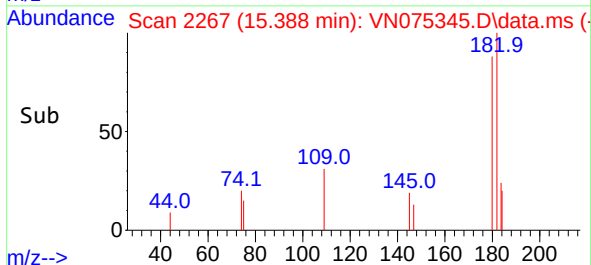
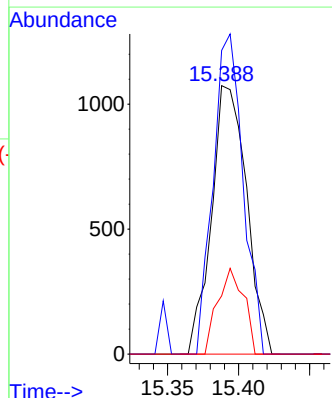
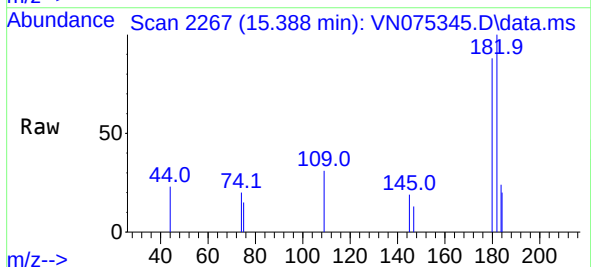
Tgt Ion:180 Resp: 1846

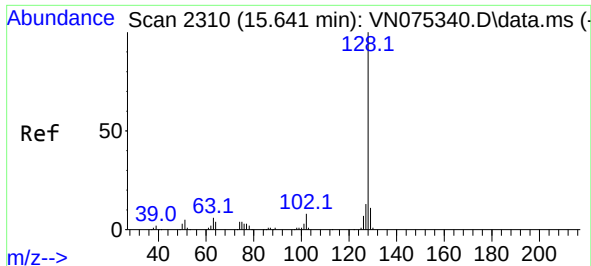
Ion Ratio Lower Upper

180 100

182 101.8 47.8 143.4

145 23.6 16.8 50.3

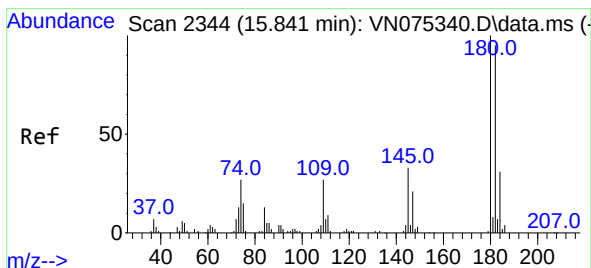
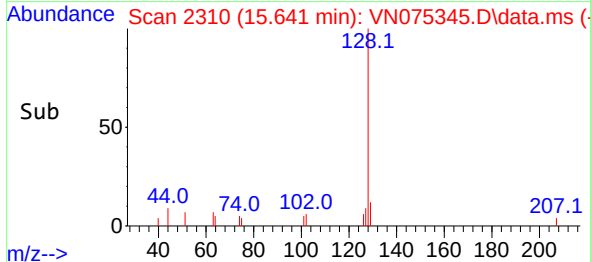
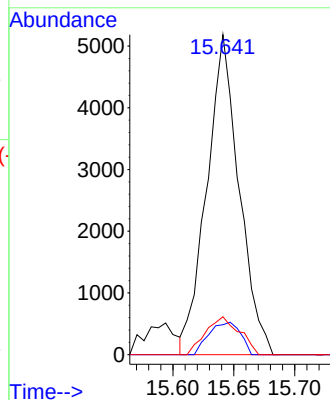
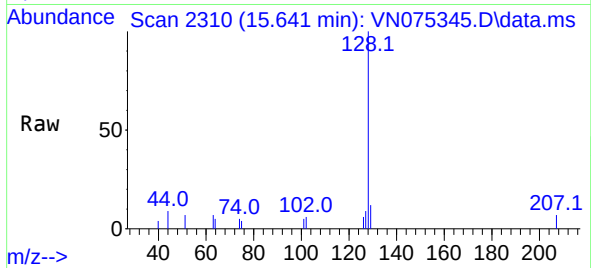




#95
Naphthalene
Concen: 1.494 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBL01

Tgt Ion:	128	Resp:	9553
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.4	15.6#
129	12.4	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.877 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN075345.D
Acq: 21 Nov 2022 15:15

Tgt Ion:	180	Resp:	1753
Ion	Ratio	Lower	Upper
180	100		
182	122.0	47.3	141.8
145	27.9	17.6	52.9

