

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075357.D
 Acq On : 22 Nov 2022 10:55
 Operator : JC\MD
 Sample : VN1122MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122MBL01

Quant Time: Nov 23 07:04:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

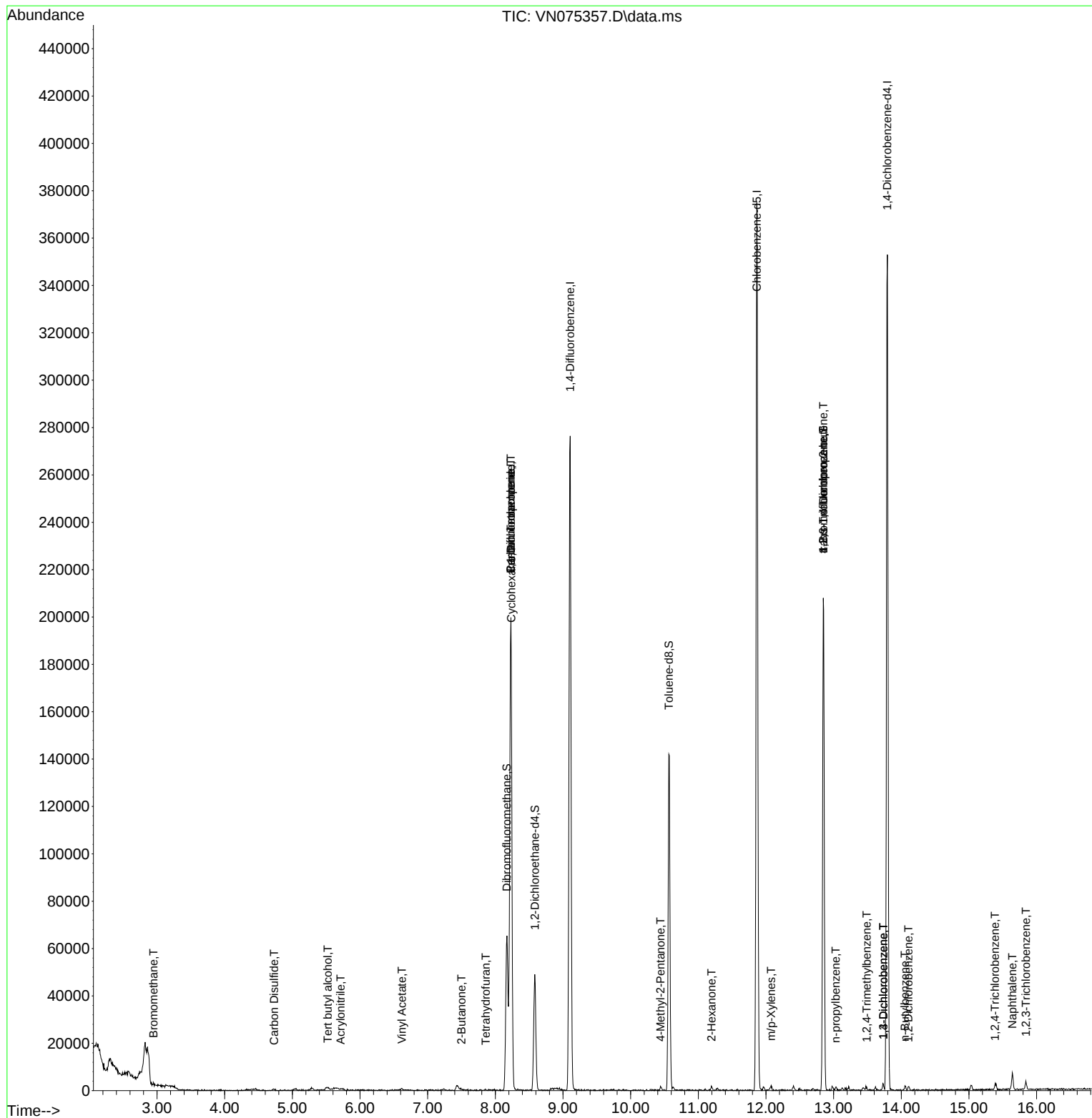
Internal Standards						
1) Pentafluorobenzene	8.230	168	154859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	259433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	40521	48.746	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.500%		
35) Dibromofluoromethane	8.171	113	47750	46.853	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.700%		
50) Toluene-d8	10.565	98	103549	45.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.220%		
62) 4-Bromofluorobenzene	12.847	95	73102	43.147	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.300%		
Target Compounds						Qvalue
5) Bromomethane	2.948	94	553	0.339	ug/l	95
11) Tert butyl alcohol	5.524	59	909	2.605	ug/l #	72
15) Acrylonitrile	5.712	53	192	0.240	ug/l #	17
17) Carbon Disulfide	4.730	76	899	0.241	ug/l #	74
18) Methyl Acetate	5.053	43	1140	Below Cal	#	58
20) Methylene Chloride	5.283	84	908	Below Cal	#	67
23) Vinyl Acetate	6.618	43	1363	0.405	ug/l #	67
25) 2-Butanone	7.500	43	762	0.704	ug/l #	43
29) Tetrahydrofuran	7.859	42	214	0.325	ug/l #	26
31) Cyclohexane	8.235	56	3113	1.179	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	11329	5.097	ug/l #	50
38) Carbon Tetrachloride	8.230	117	15903	6.514	ug/l #	16
51) 4-Methyl-2-Pentanone	10.441	43	1074	0.525	ug/l #	84
59) 2-Hexanone	11.194	43	1400	0.911	ug/l	84
68) m/p-Xylenes	12.076	106	786	0.243	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	36838	19.531	ug/l #	1
78) n-propylbenzene	13.029	91	1856	0.228	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.847	75	36838	57.787	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.488	105	1224	0.202	ug/l	74
87) 1,3-Dichlorobenzene	13.735	146	1010	0.296	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	1010	0.292	ug/l	95
89) n-Butylbenzene	14.053	91	1434	0.269	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	1115	0.336	ug/l #	76
93) 1,2,4-Trichlorobenzene	15.382	180	1417	0.832	ug/l #	16
95) Naphthalene	15.641	128	7277	1.358	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1743	1.041	ug/l	87

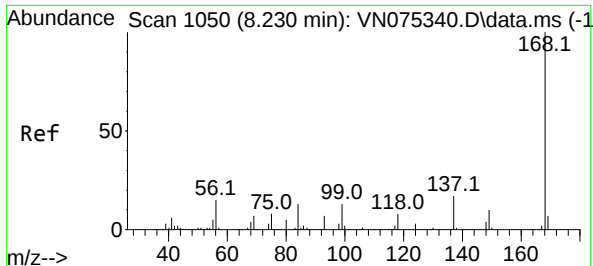
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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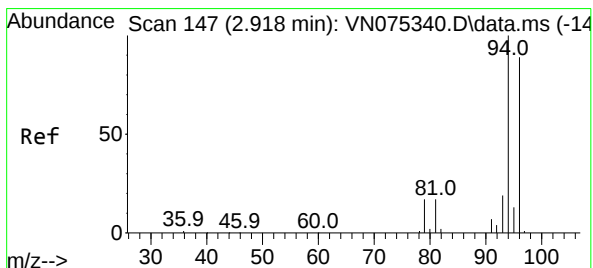
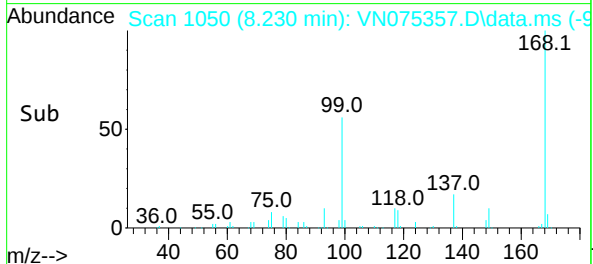
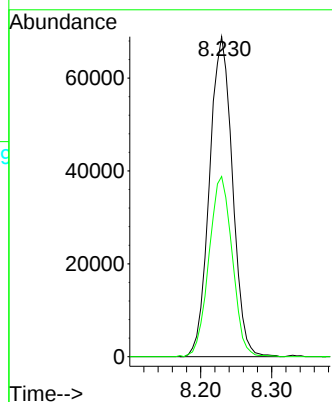
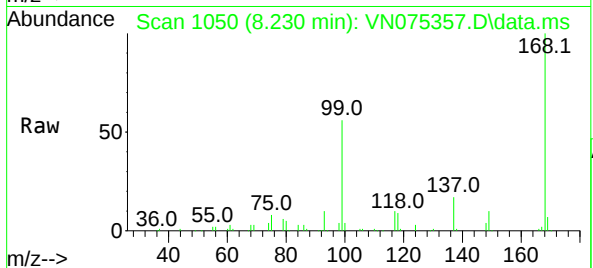




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

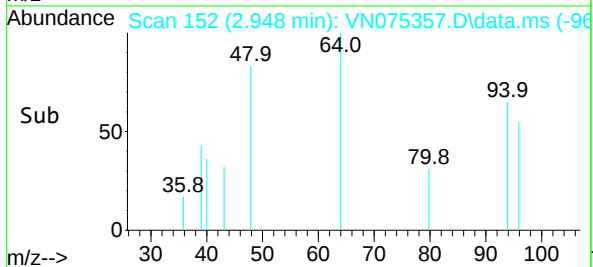
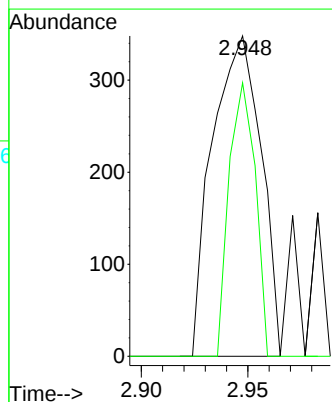
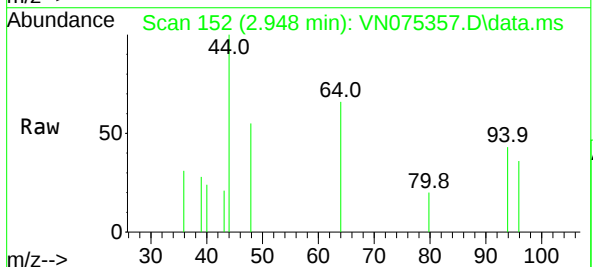
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

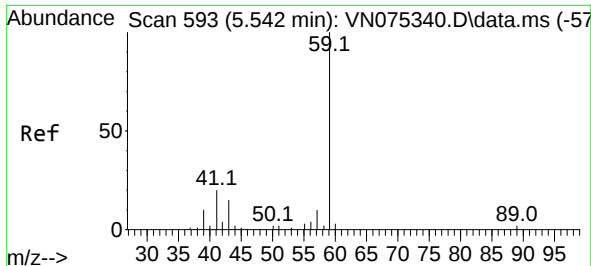
Tgt Ion:168 Resp: 154859
Ion Ratio Lower Upper
168 100
99 56.3 51.6 77.4



#5
Bromomethane
Concen: 0.339 ug/l
RT: 2.948 min Scan# 152
Delta R.T. 0.030 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 94 Resp: 553
Ion Ratio Lower Upper
94 100
96 85.3 71.8 107.6

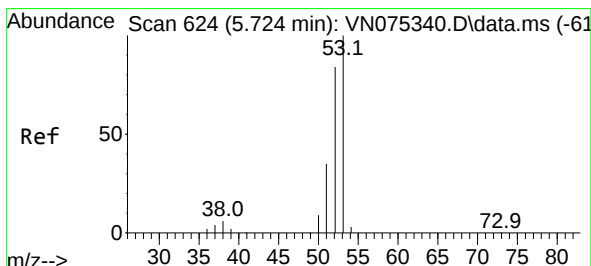
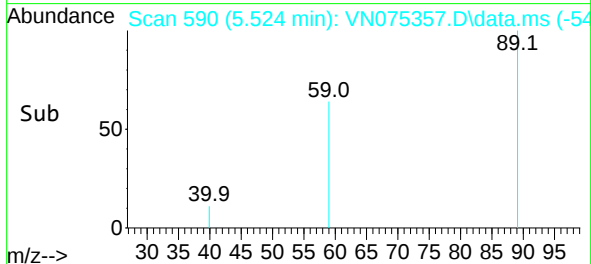
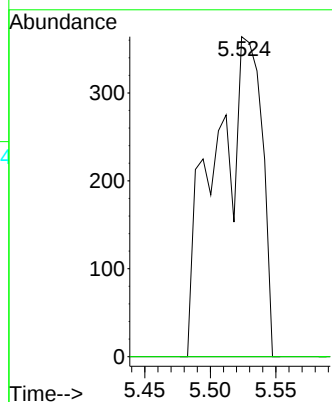
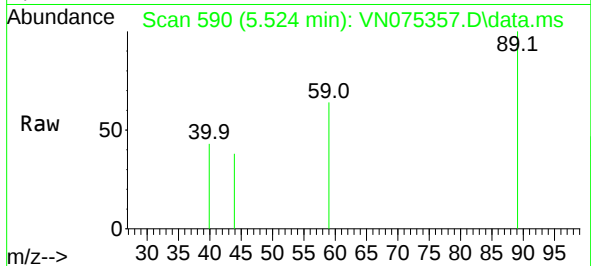




#11
Tert butyl alcohol
Concen: 2.605 ug/l
RT: 5.524 min Scan# 593
Delta R.T. -0.018 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

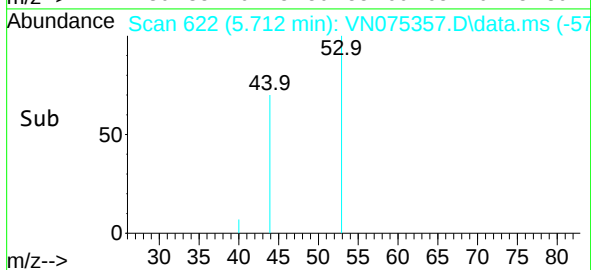
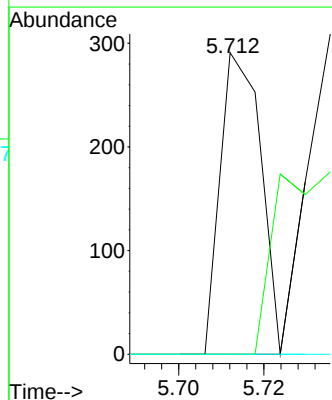
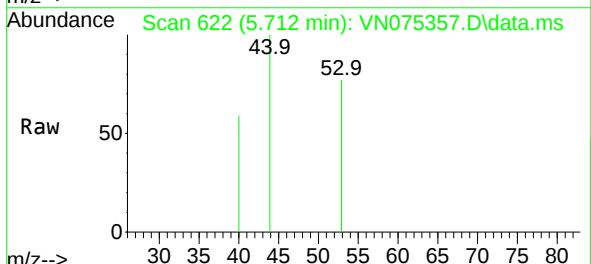
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

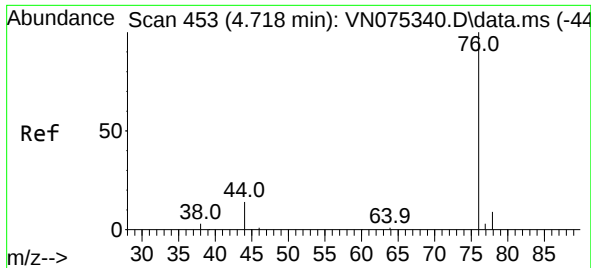
Tgt Ion: 59 Resp: 909
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#15
Acrylonitrile
Concen: 0.240 ug/l
RT: 5.712 min Scan# 622
Delta R.T. -0.012 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 53 Resp: 192
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 0.0 29.6 44.4#

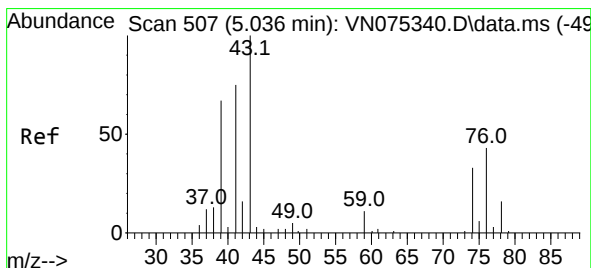
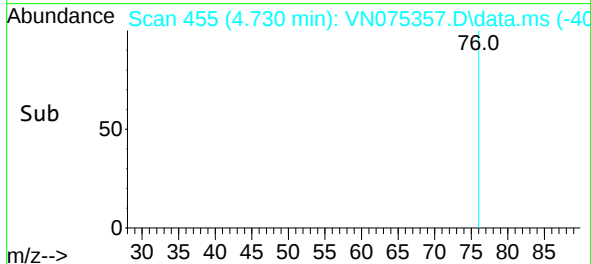
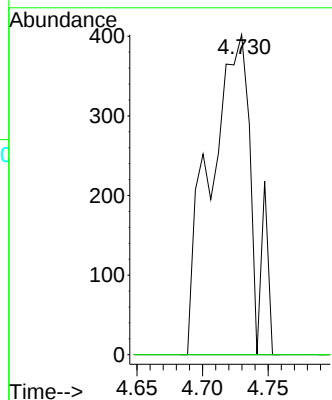
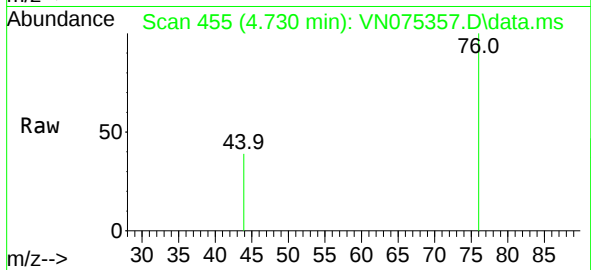




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.730 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

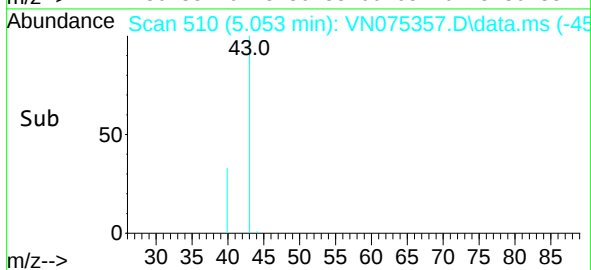
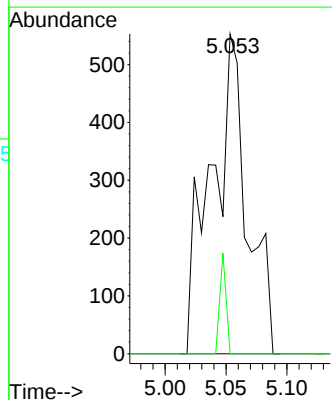
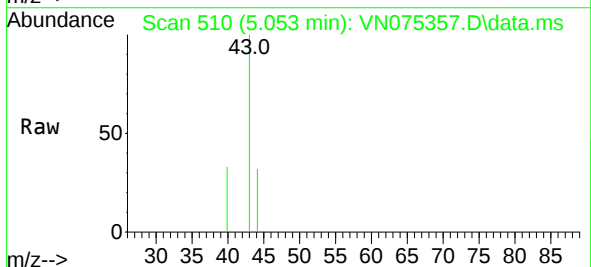
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

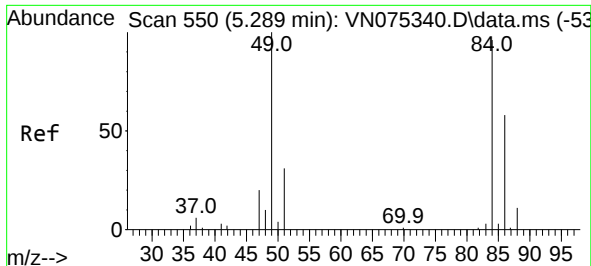
Tgt Ion: 76 Resp: 899
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

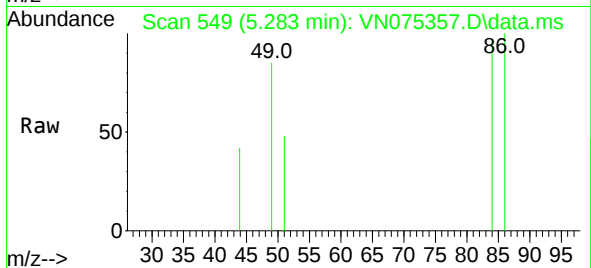
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
74 5.4 22.0 33.0#



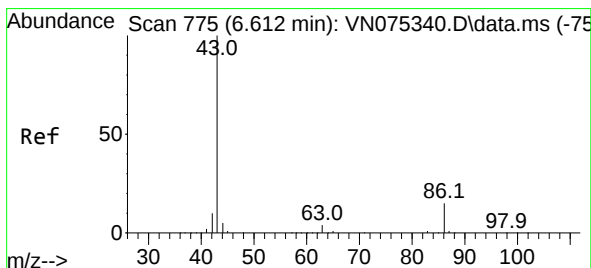
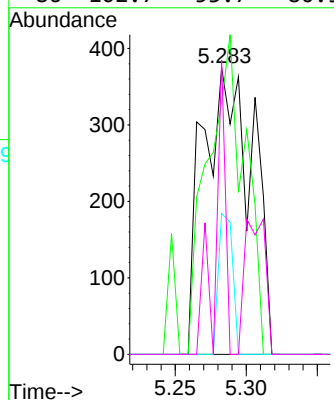


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

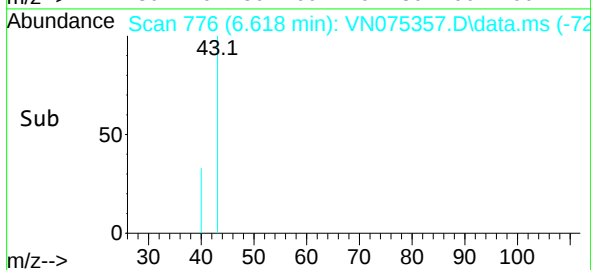
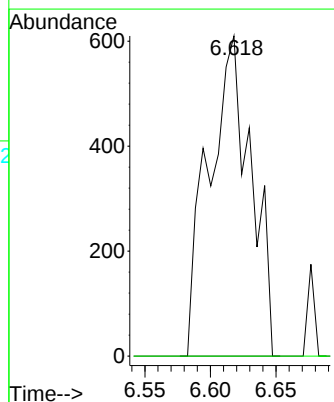
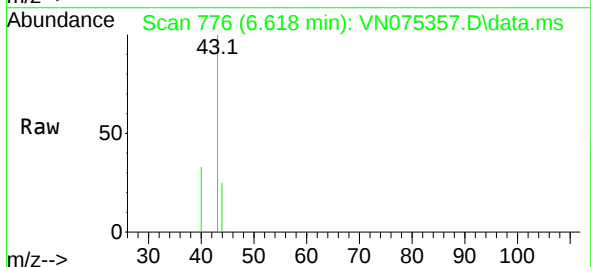


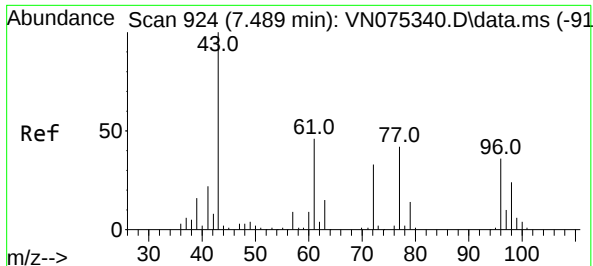
Tgt Ion:	84	Resp:	908
Ion	Ratio	Lower	Upper
84	100		
49	87.7	94.9	142.3#
51	49.1	26.8	40.2#
86	102.7	53.7	80.5#



#23
Vinyl Acetate
Concen: 0.405 ug/l
RT: 6.618 min Scan# 776
Delta R.T. 0.006 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion:	43	Resp:	1363
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.7	16.1#





#25

2-Butanone

Concen: 0.704 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

Instrument :

MSVOA_N

ClientSampleId :

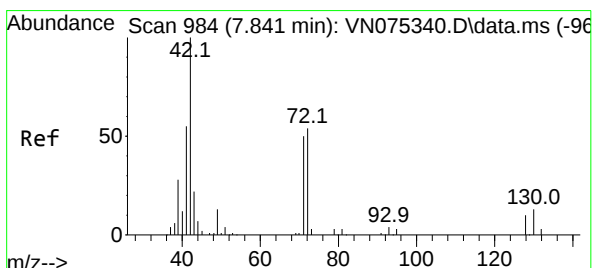
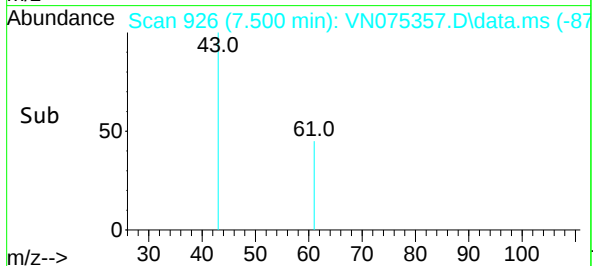
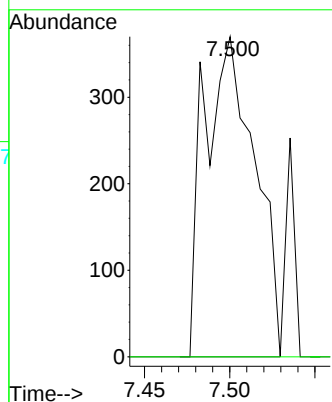
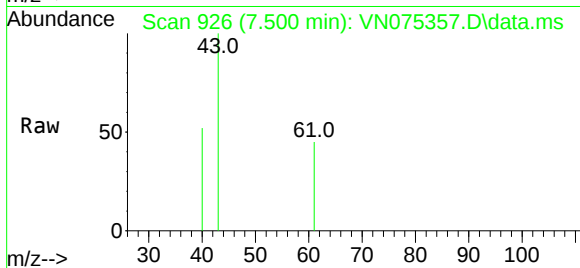
VN1122MBL01

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.325 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.018 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

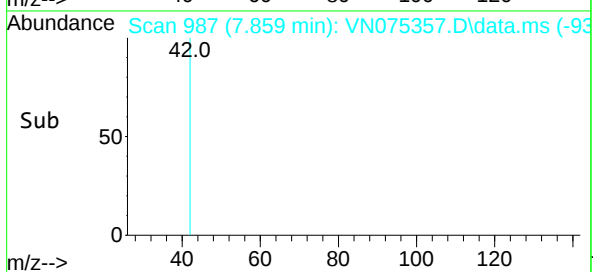
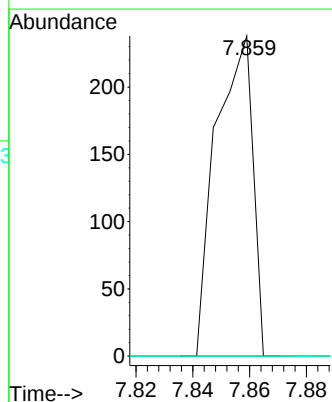
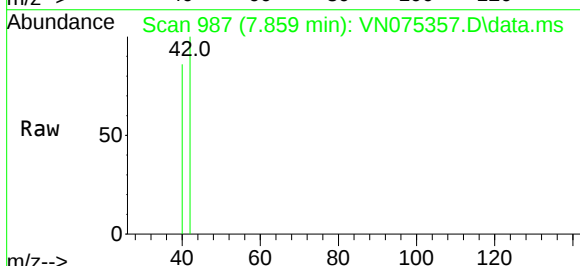
Tgt Ion: 42 Resp: 214

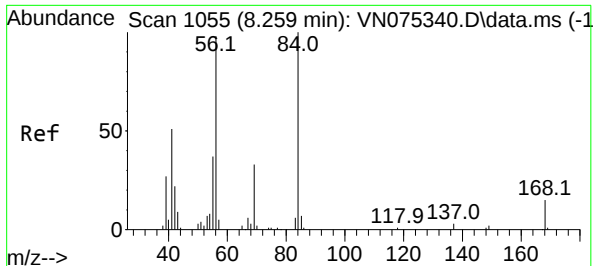
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

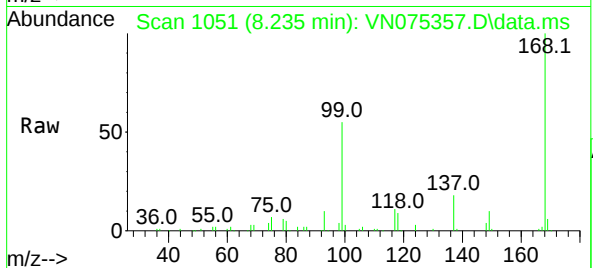
71 0.0 39.9 59.9#



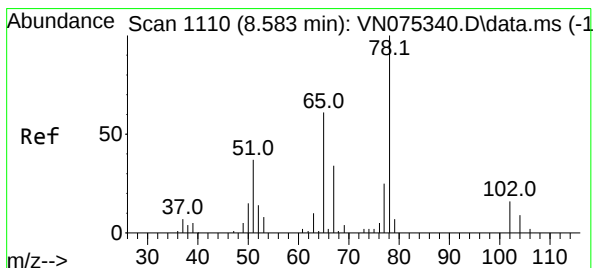
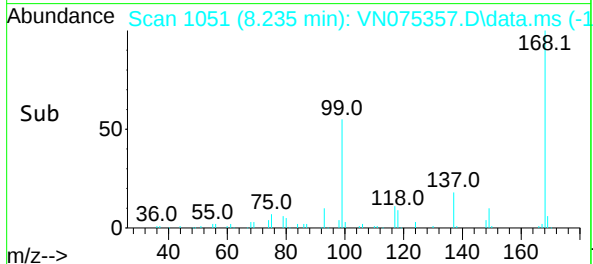
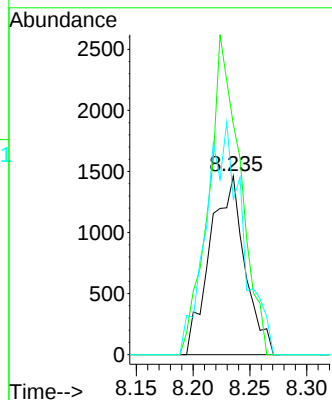


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075357.D
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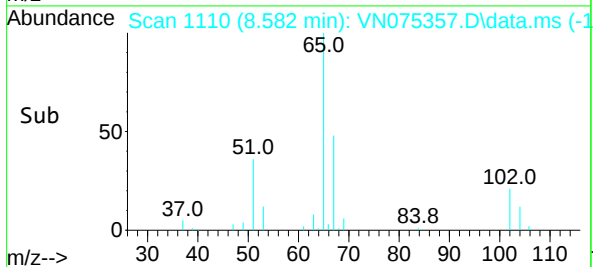
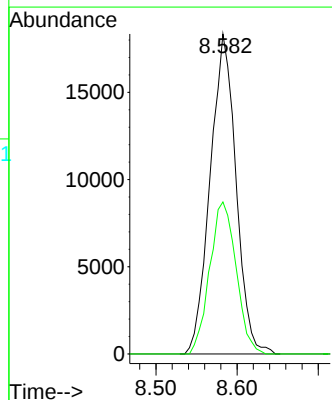
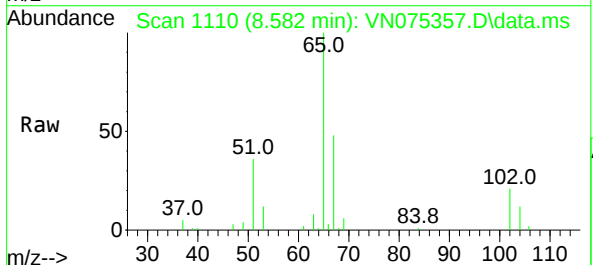


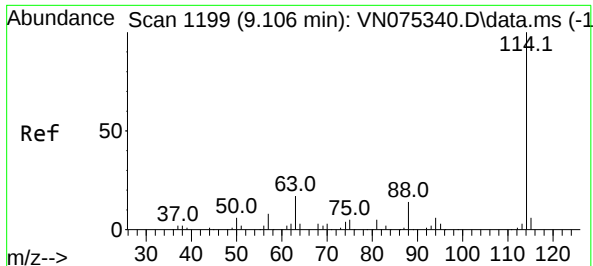
Tgt Ion: 56 Resp: 3113
Ion Ratio Lower Upper
56 100
69 128.9 25.2 37.8#
84 87.1 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 48.746 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 65 Resp: 40521
Ion Ratio Lower Upper
65 100
67 48.6 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: VN075357.D

Acq: 22 Nov 2022 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

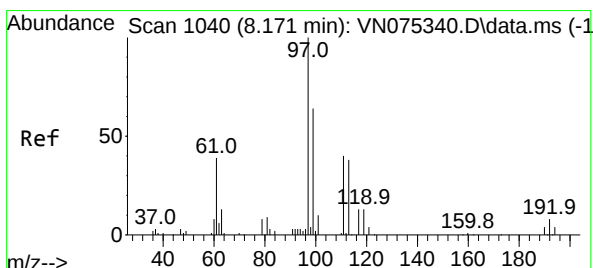
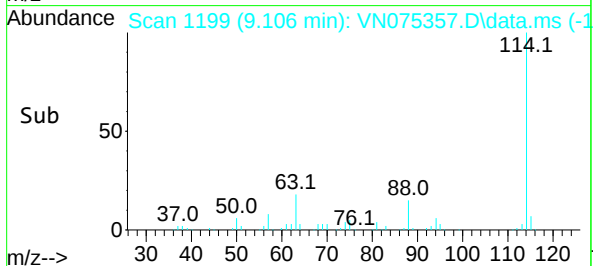
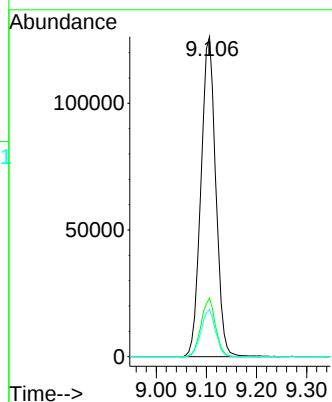
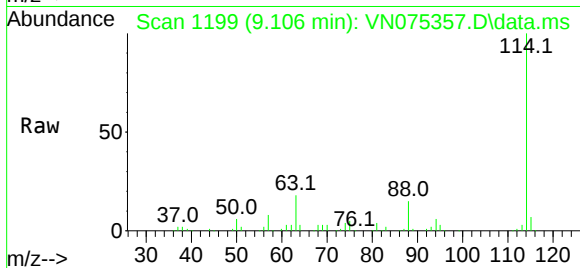
Tgt Ion:114 Resp: 259433

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.853 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

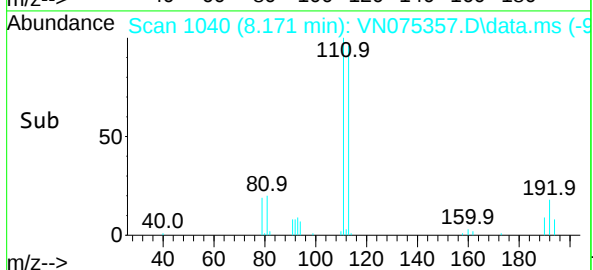
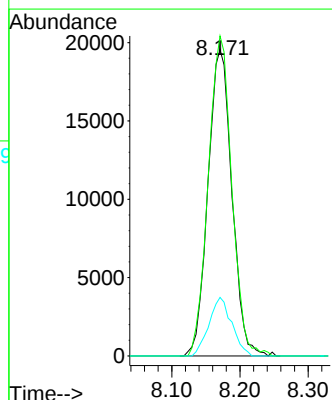
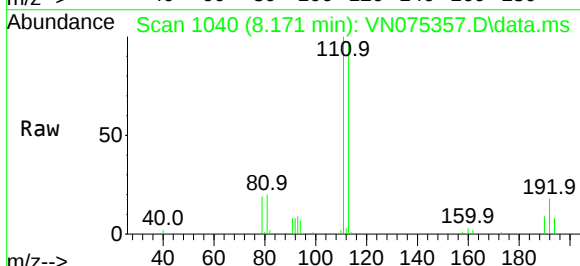
Tgt Ion:113 Resp: 47750

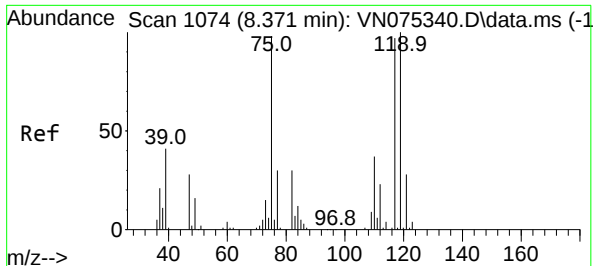
Ion Ratio Lower Upper

113 100

111 102.9 80.5 120.7

192 18.2 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

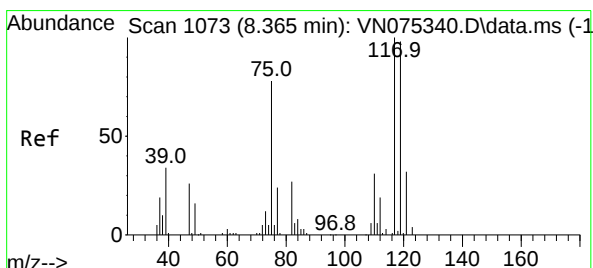
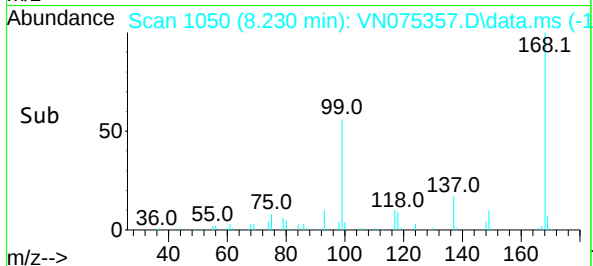
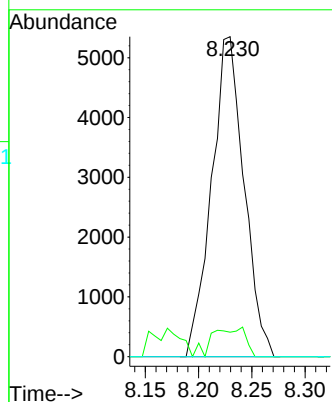
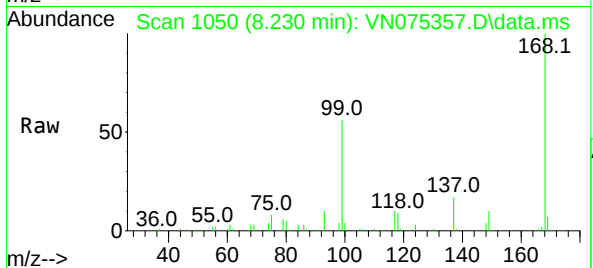
Tgt Ion: 75 Resp: 11329

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.514 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

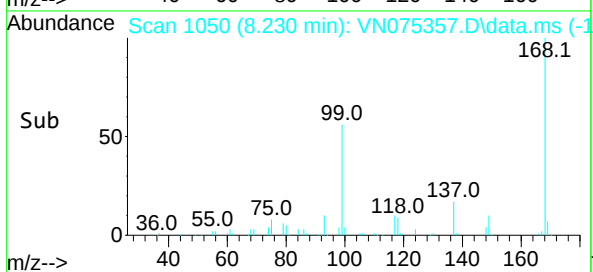
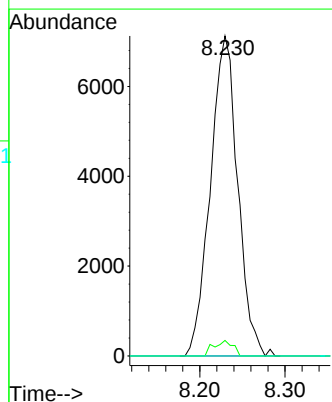
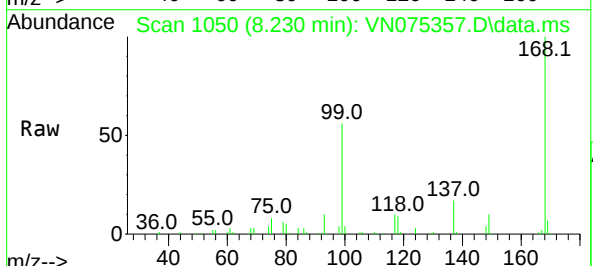
Tgt Ion: 117 Resp: 15903

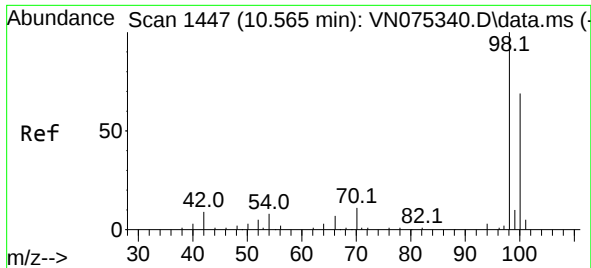
Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

121 0.0 23.9 35.9#

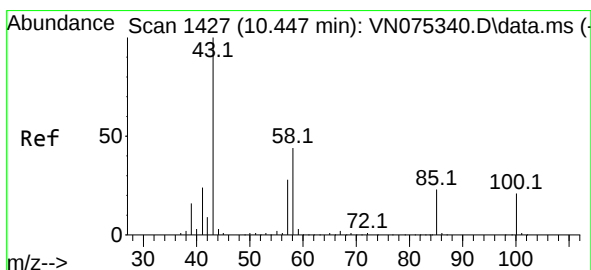
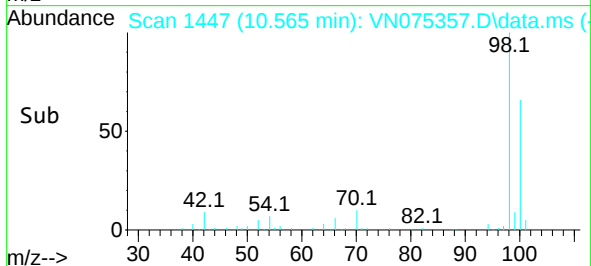
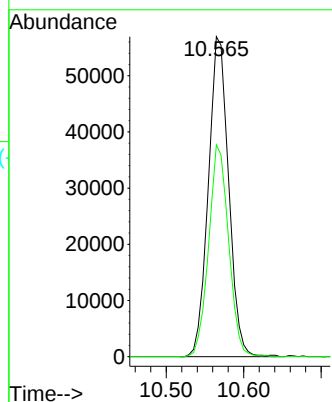
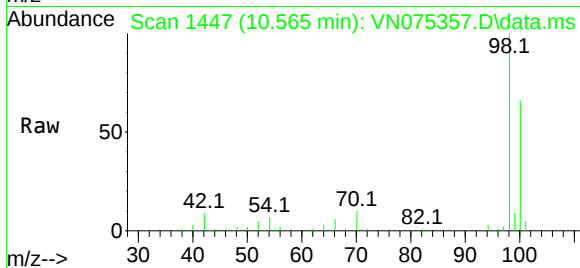




#50
Toluene-d8
Concen: 45.112 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

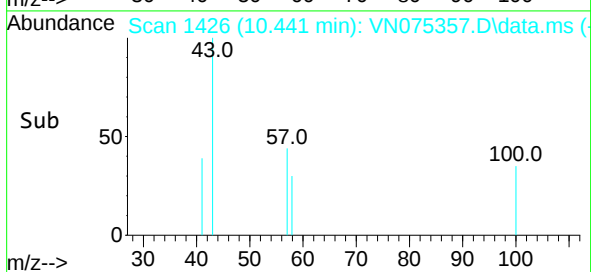
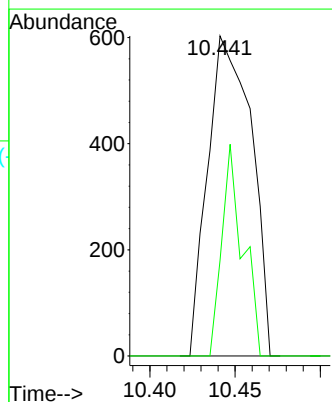
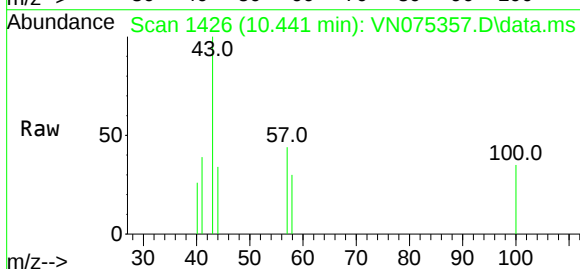
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

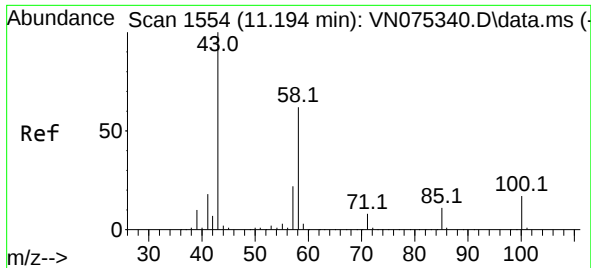
Tgt Ion: 98 Resp: 103549
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.525 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 31.8 33.6 50.4#

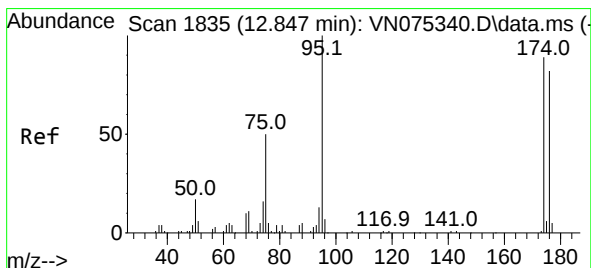
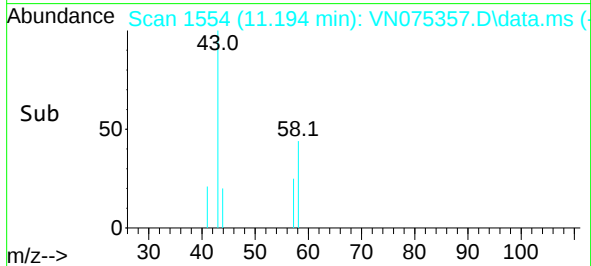
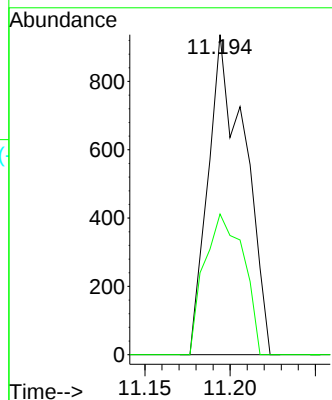
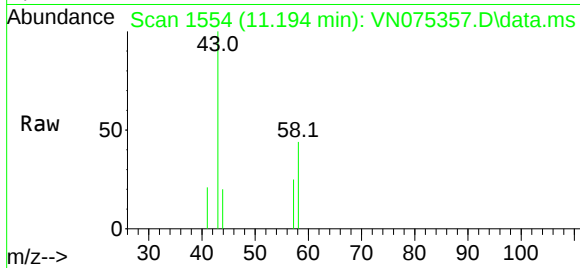




#59
2-Hexanone
Concen: 0.911 ug/l
RT: 11.194 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

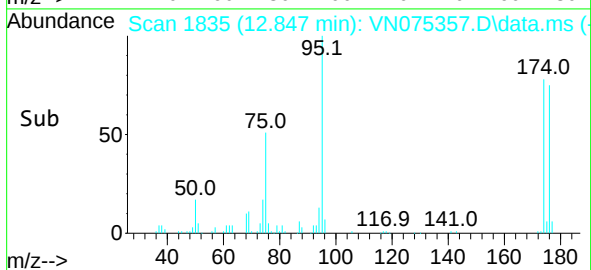
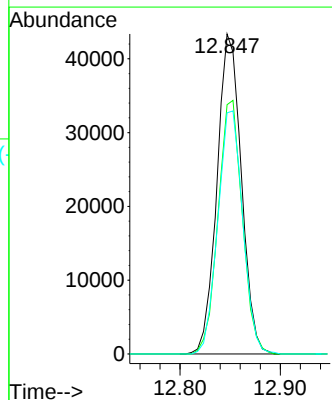
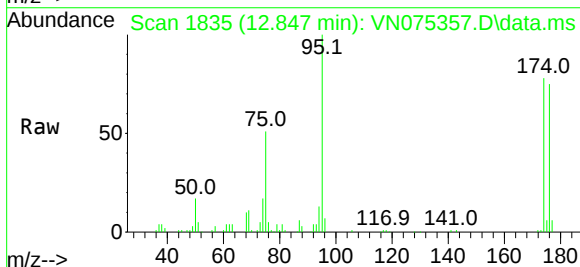
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

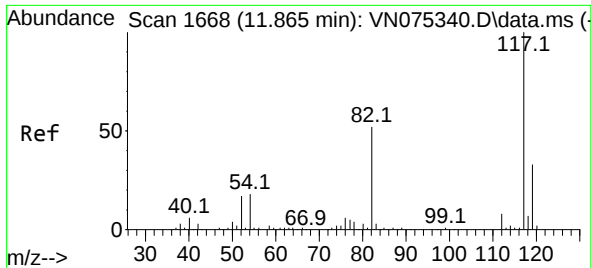
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 46.9 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 43.147 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 95 Resp: 73102
Ion Ratio Lower Upper
95 100
174 78.9 0.0 147.4
176 77.5 0.0 142.2

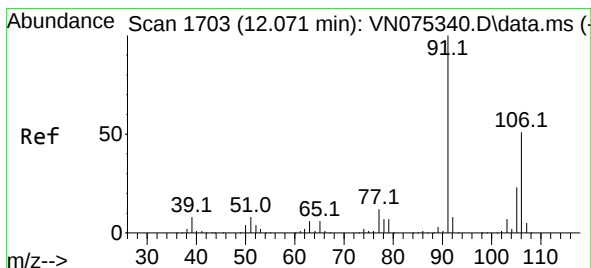
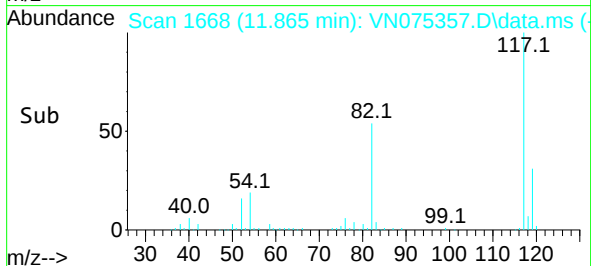
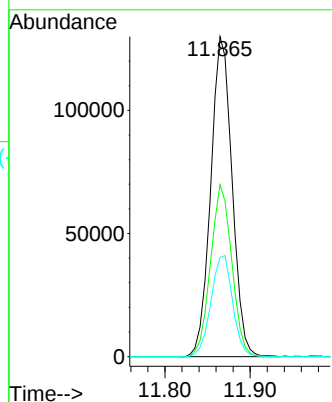
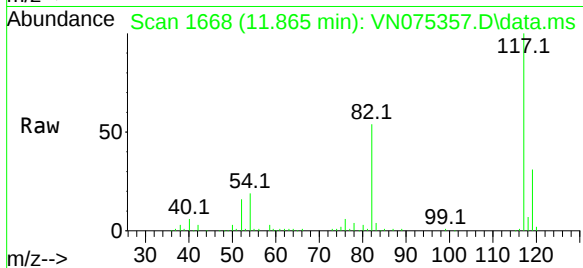




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

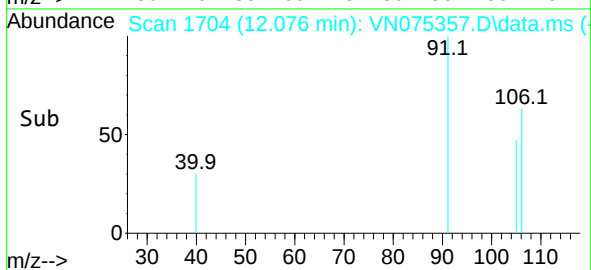
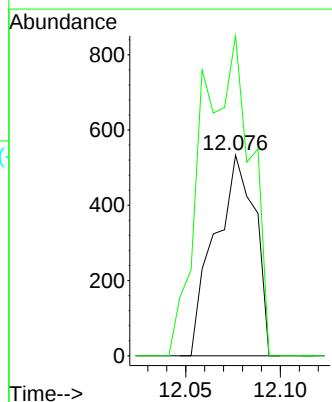
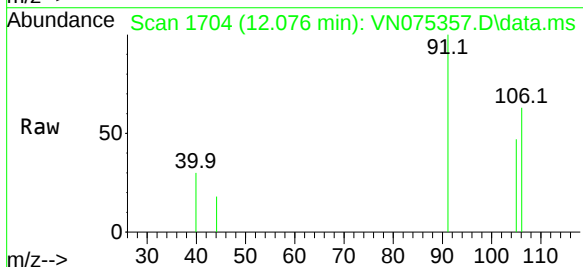
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

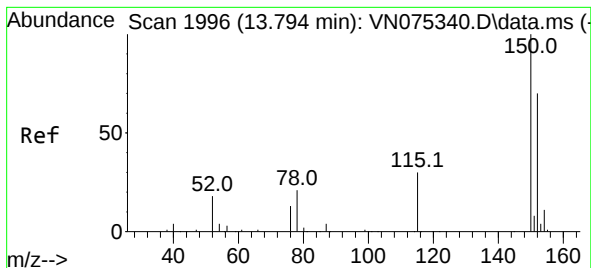
Tgt Ion:117 Resp: 226123
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 0.243 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.005 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion:106 Resp: 786
Ion Ratio Lower Upper
106 100
91 195.9 156.0 234.0

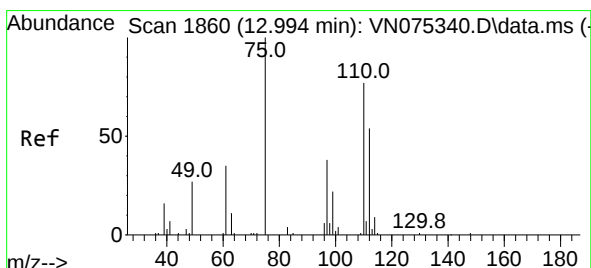
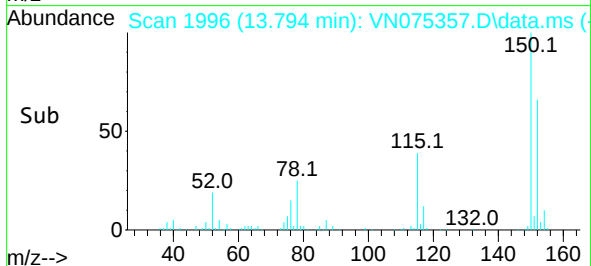
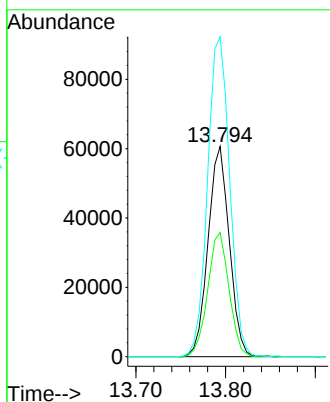
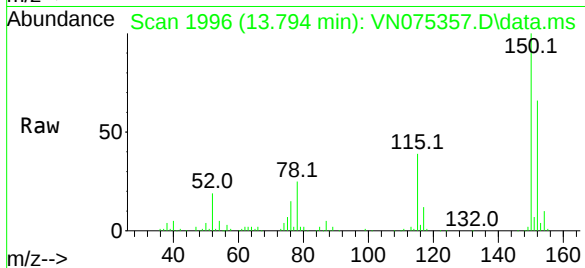




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075357.D
 Acq: 22 Nov 2022 10:55

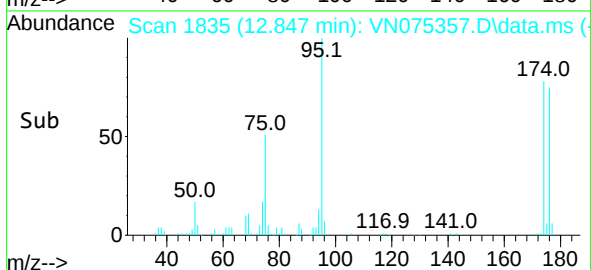
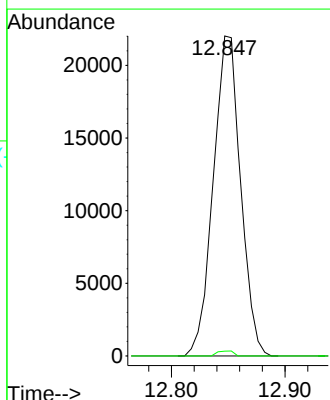
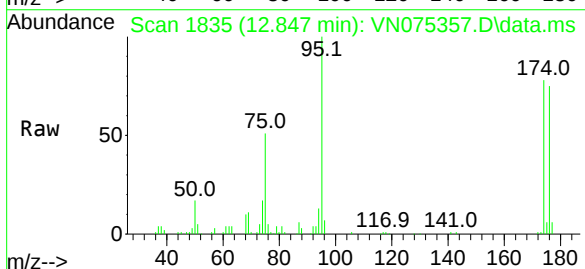
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122MBL01

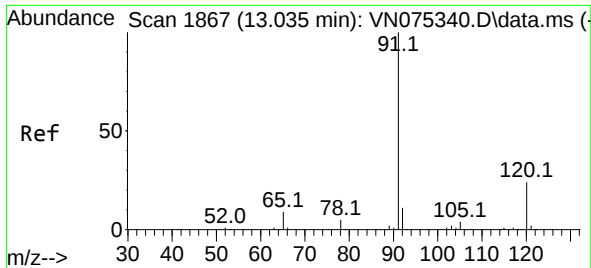
Tgt Ion:152 Resp: 99758
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.2 90.6
 150 158.3 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 19.531 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075357.D
 Acq: 22 Nov 2022 10:55

Tgt Ion: 75 Resp: 36838
 Ion Ratio Lower Upper
 75 100
 77 0.9 75.6 226.8#

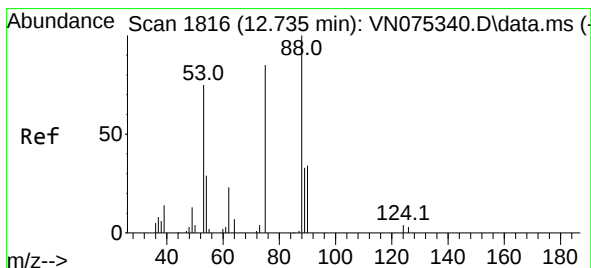
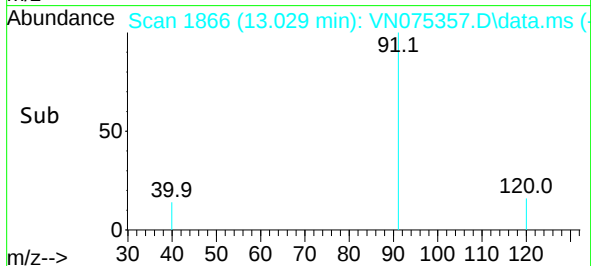
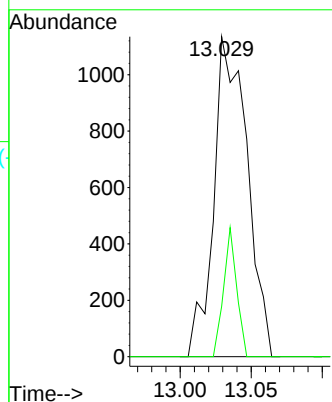
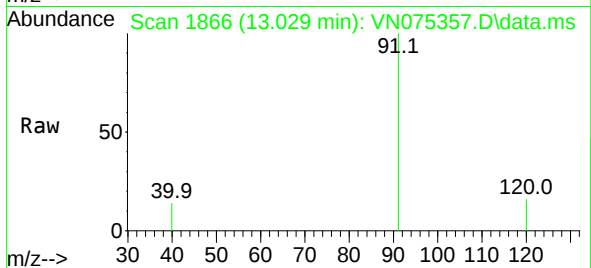




#78
n-propylbenzene
Concen: 0.228 ug/l
RT: 13.029 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

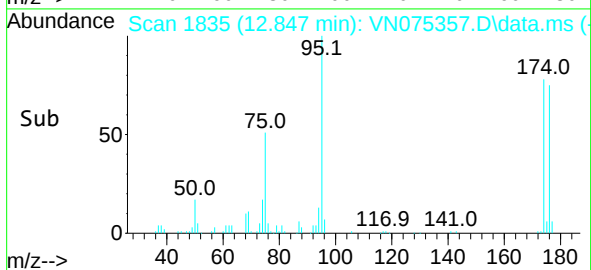
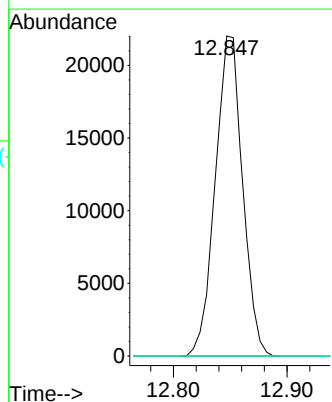
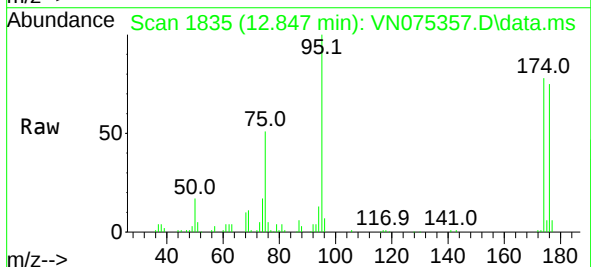
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

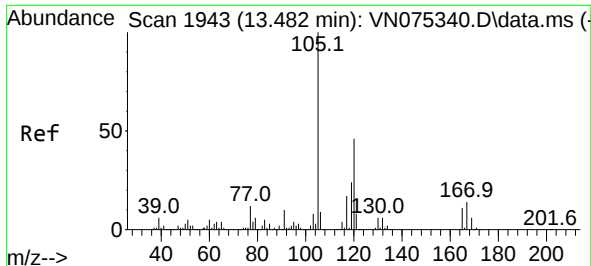
Tgt Ion: 91 Resp: 1856
Ion Ratio Lower Upper
91 100
120 15.7 11.9 35.5



#81
trans-1,4-Dichloro-2-butene
Concen: 57.787 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 75 Resp: 36838
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

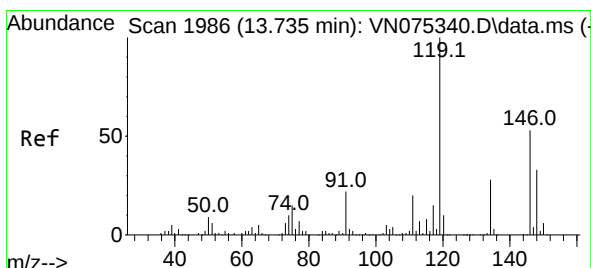
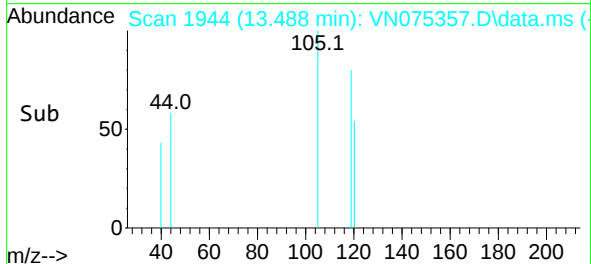
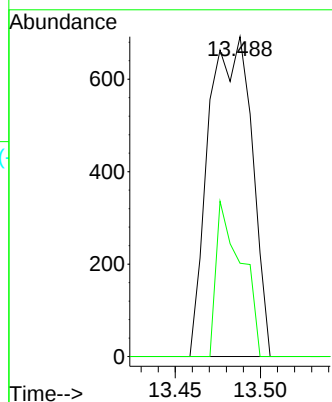
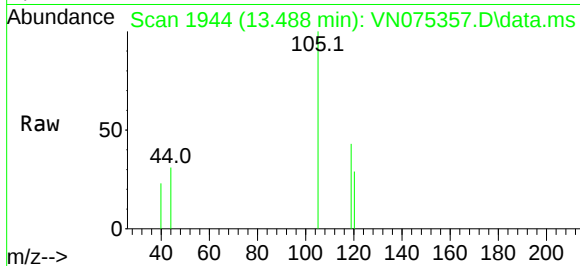




#84
1,2,4-Trimethylbenzene
Concen: 0.202 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

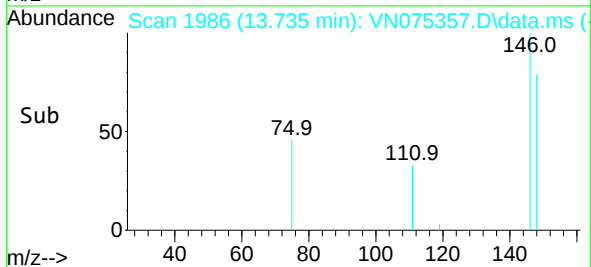
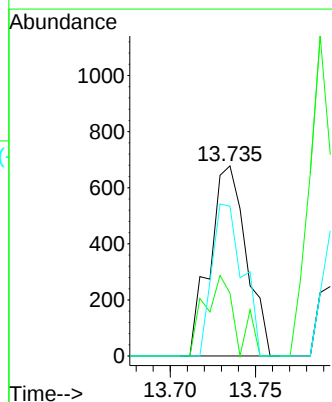
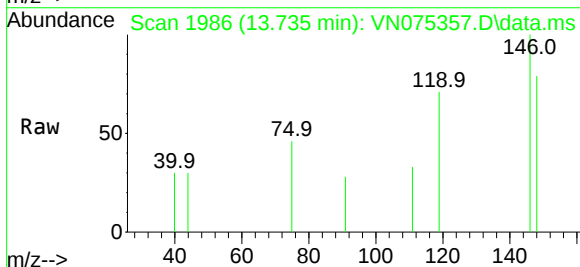
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

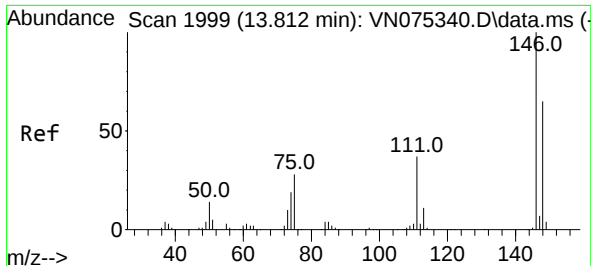
Tgt Ion:105 Resp: 1224
Ion Ratio Lower Upper
105 100
120 28.3 22.7 68.1



#87
1,3-Dichlorobenzene
Concen: 0.296 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion:146 Resp: 1010
Ion Ratio Lower Upper
146 100
111 36.2 20.8 62.5
148 67.1 31.1 93.5

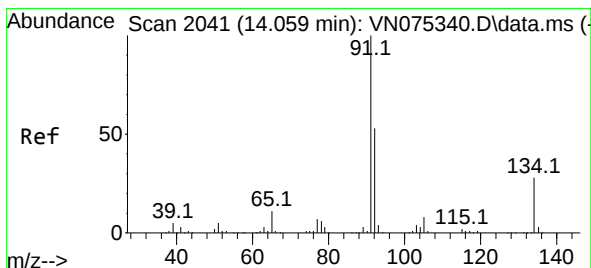
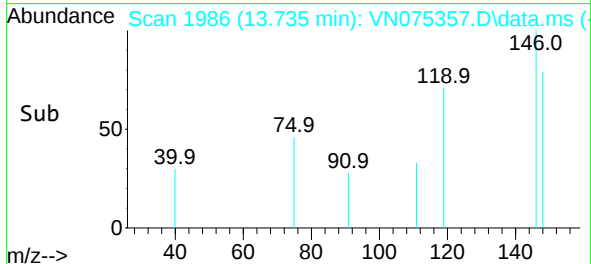
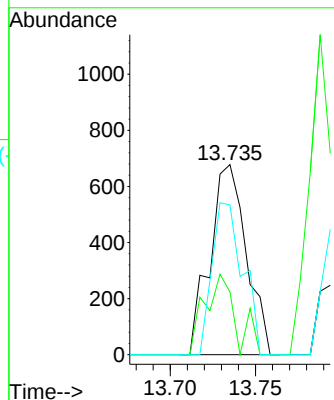
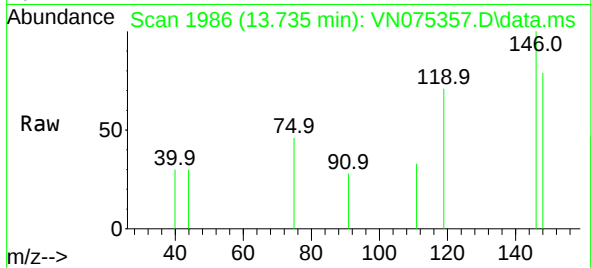




#88
1,4-Dichlorobenzene
Concen: 0.292 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

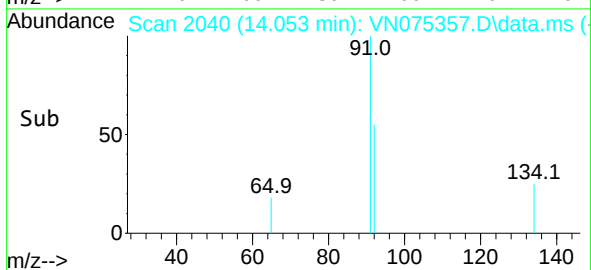
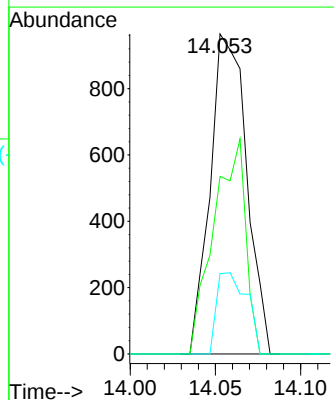
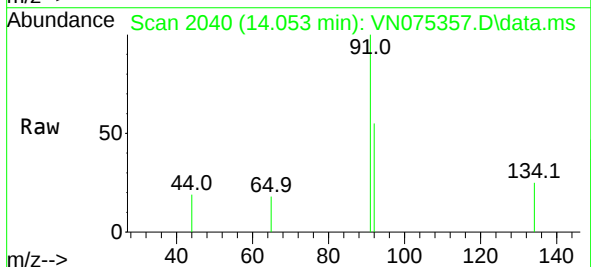
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

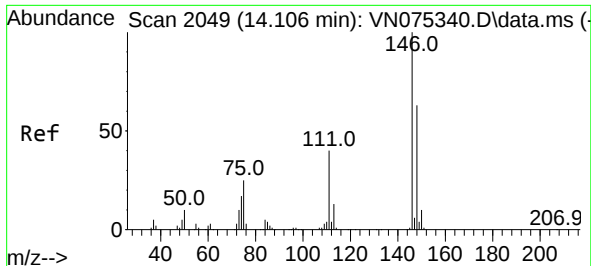
Tgt Ion:146 Resp: 1010
Ion Ratio Lower Upper
146 100
111 36.2 20.1 60.3
148 67.1 31.9 95.7



#89
n-Butylbenzene
Concen: 0.269 ug/l
RT: 14.053 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN075357.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 91 Resp: 1434
Ion Ratio Lower Upper
91 100
92 58.8 26.5 79.4
134 20.9 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.336 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

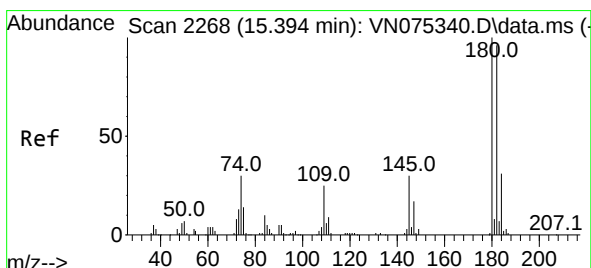
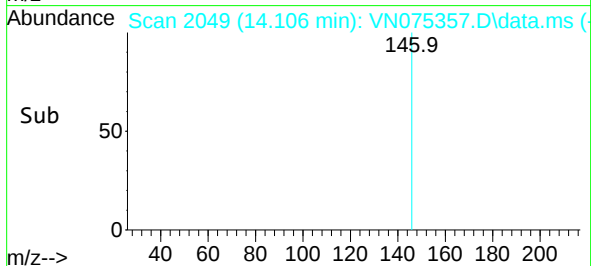
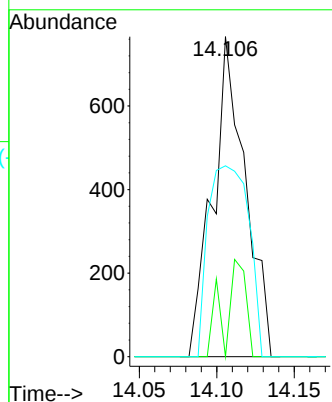
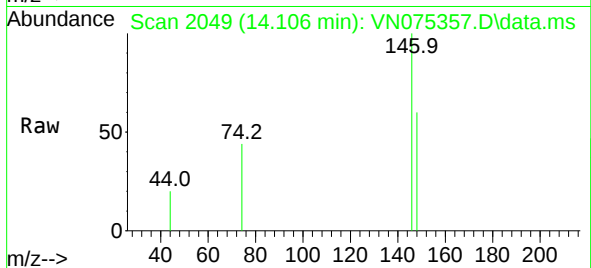
Tgt Ion:146 Resp: 1115

Ion Ratio Lower Upper

146 100

111 19.7 21.3 63.9#

148 75.0 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 0.832 ug/l

RT: 15.382 min Scan# 2266

Delta R.T. -0.012 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

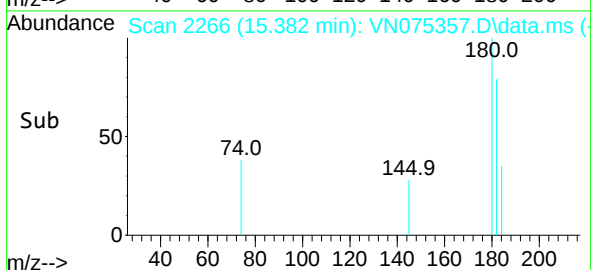
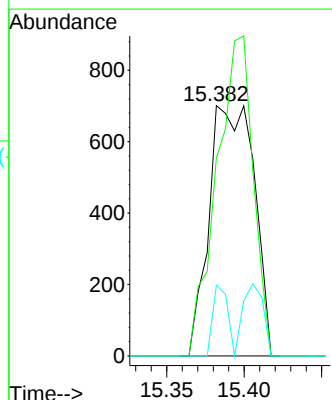
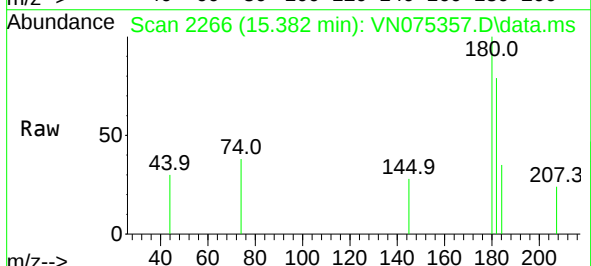
Tgt Ion:180 Resp: 1417

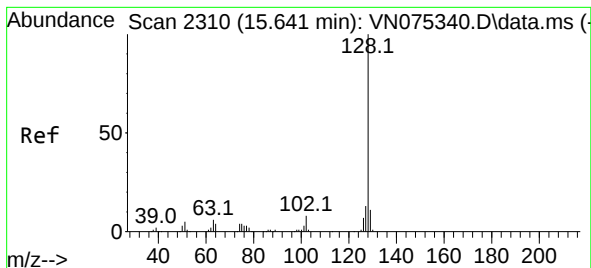
Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

145 9.2 16.8 50.3#





#95

Naphthalene

Concen: 1.358 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

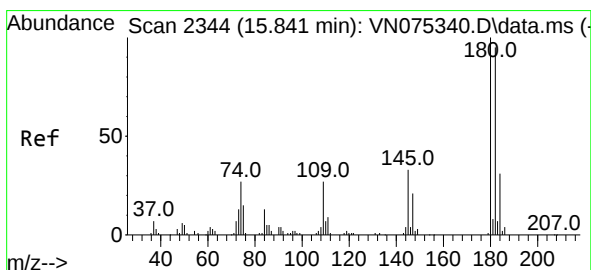
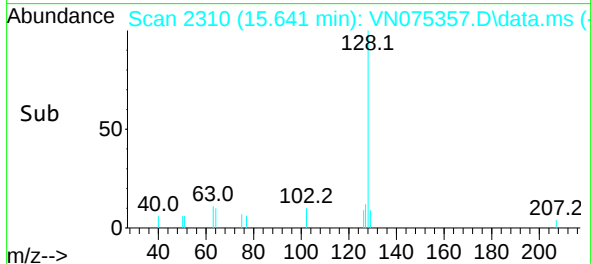
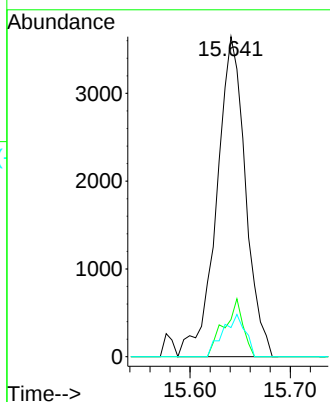
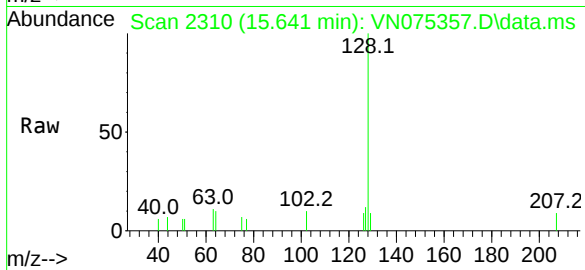
Tgt Ion:128 Resp: 7277

Ion Ratio Lower Upper

128 100

127 11.9 10.4 15.6

129 10.2 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 1.041 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN075357.D

Acq: 22 Nov 2022 10:55

Tgt Ion:180 Resp: 1743

Ion Ratio Lower Upper

180 100

182 86.6 47.3 141.8

145 20.6 17.6 52.9

