

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
 Data File : VN076338.D
 Acq On : 20 Jan 2023 11:01
 Operator : JC\MD
 Sample : VN0120MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBL01

Quant Time: Jan 20 22:11:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

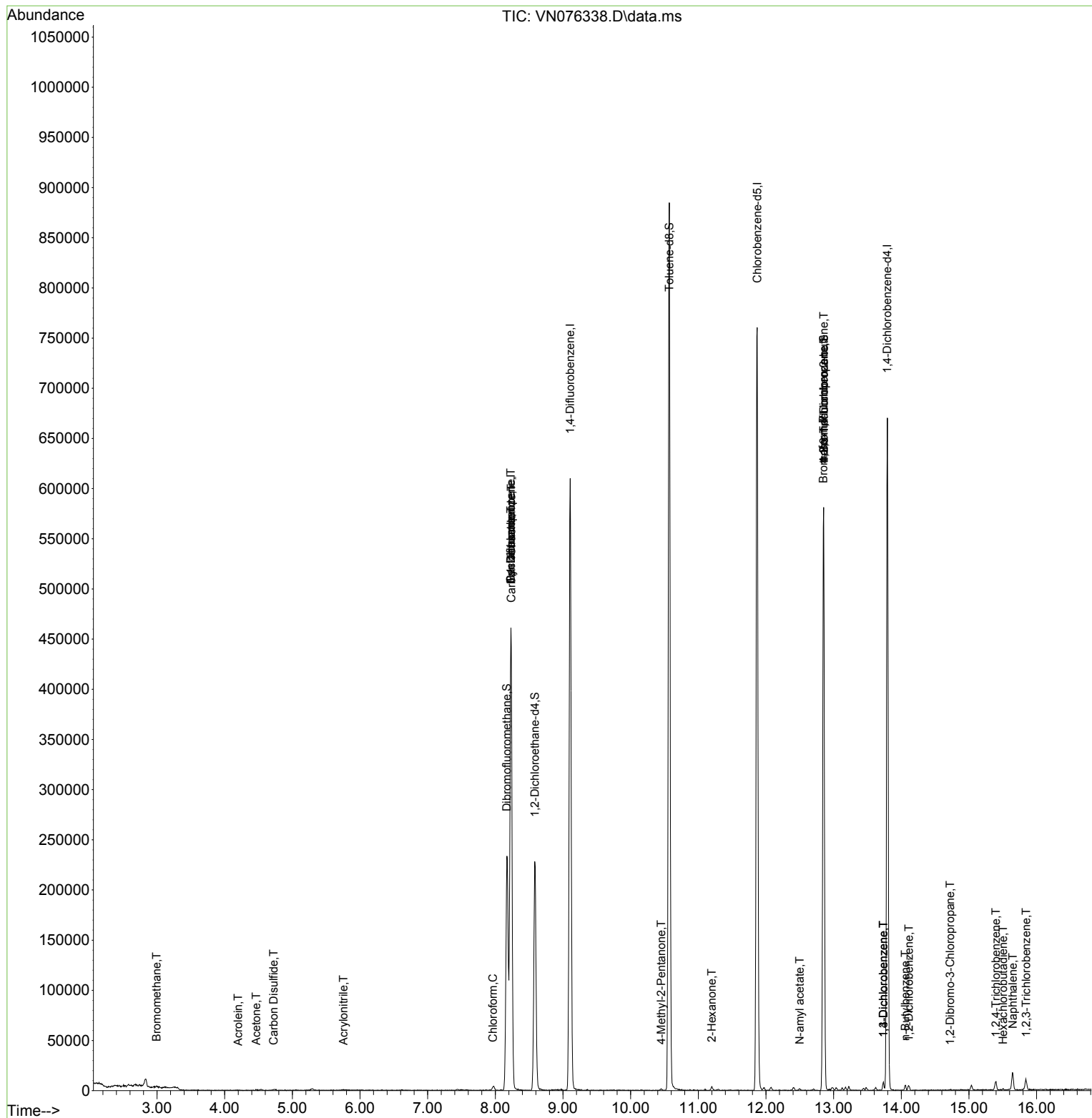
Internal Standards						
1) Pentafluorobenzene	8.230	168	356885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	563440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	473770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	187829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	188929	47.280	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.560%		
35) Dibromofluoromethane	8.171	113	168437	47.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	10.571	98	636557	48.904	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.853	95	195749	46.066	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.140%		
Target Compounds						Qvalue
5) Bromomethane	2.995	94	1053	0.277	ug/l	88
13) Acrolein	4.201	56	164	0.257	ug/l #	15
15) Acrylonitrile	5.753	53	855	0.562	ug/l #	68
16) Acetone	4.465	43	781	0.536	ug/l #	75
17) Carbon Disulfide	4.724	76	1992	0.234	ug/l #	73
20) Methylene Chloride	5.295	84	976	Below Cal	#	67
30) Chloroform	7.965	83	4343	0.627	ug/l	87
31) Cyclohexane	8.230	56	7069	1.152	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	25029	4.997	ug/l #	49
38) Carbon Tetrachloride	8.236	117	35711	6.394	ug/l #	17
51) 4-Methyl-2-Pentanone	10.453	43	1131	0.295	ug/l #	69
59) 2-Hexanone	11.200	43	2577	0.927	ug/l	89
71) Bromoform	12.847	173	1030	0.383	ug/l #	1
74) N-amyl acetate	12.500	43	1162	0.278	ug/l #	78
76) 1,2,3-Trichloropropane	12.853	75	100702	29.032	ug/l #	1
77) Bromobenzene	12.982	156	854	Below Cal		95
81) trans-1,4-Dichloro-2-b...	12.853	75	100702	89.204	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	2710	0.396	ug/l	100
88) 1,4-Dichlorobenzene	13.735	146	2710	0.516	ug/l	99
89) n-Butylbenzene	14.059	91	3555	0.363	ug/l	97
91) 1,2-Dichlorobenzene	14.112	146	2467	0.362	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	186	0.256	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.400	180	3799	2.428	ug/l	93
94) Hexachlorobutadiene	15.506	225	402	0.222	ug/l #	65
95) Naphthalene	15.647	128	17371	3.553	ug/l	95
96) 1,2,3-Trichlorobenzene	15.847	180	4409	2.525	ug/l	94

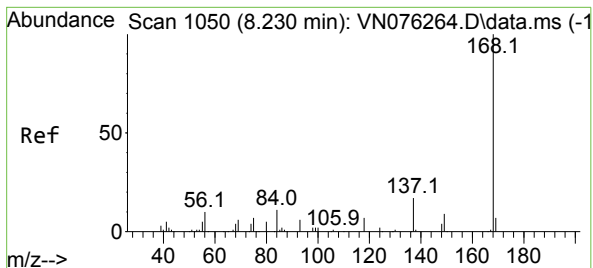
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
Data File : VN076338.D
Acq On : 20 Jan 2023 11:01
Operator : JC\MD
Sample : VN0120MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

Quant Time: Jan 20 22:11:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

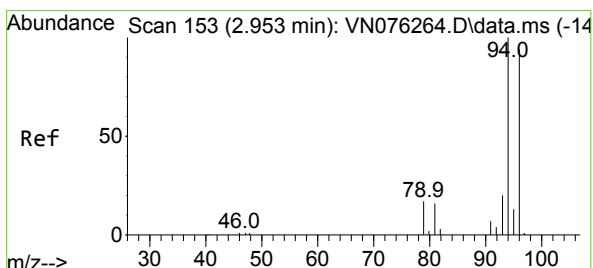
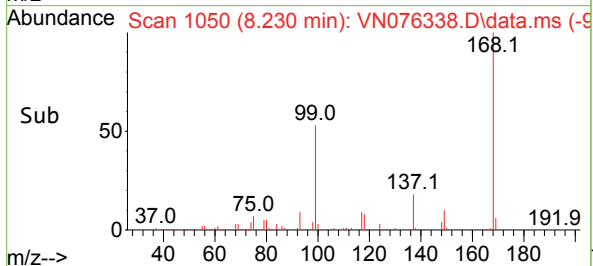
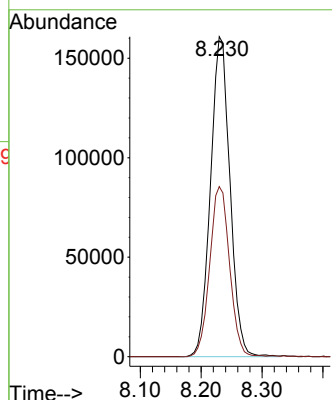
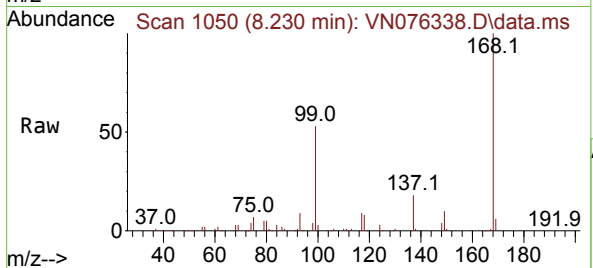




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

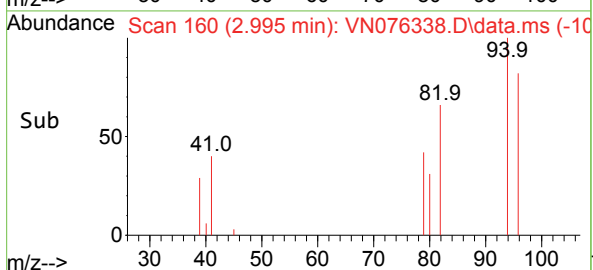
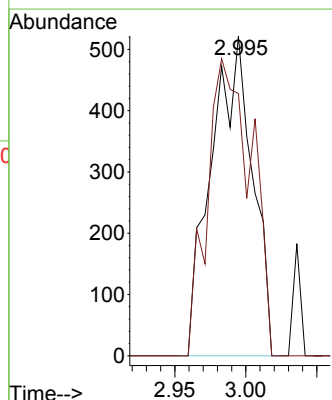
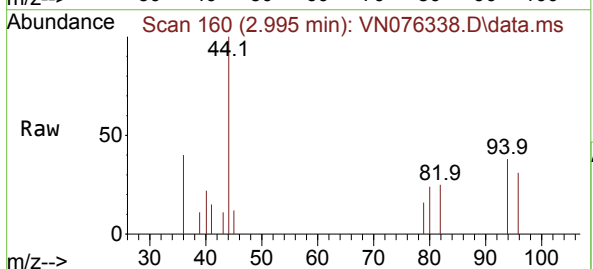
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

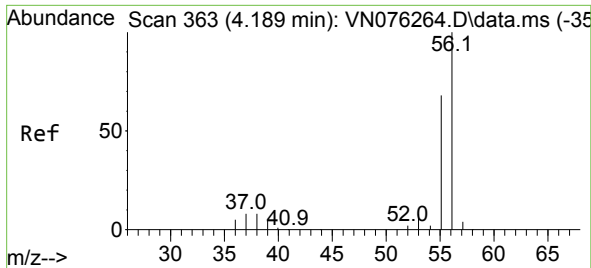
Tgt Ion:168 Resp: 356885
Ion Ratio Lower Upper
168 100
99 53.1 41.6 62.4



#5
Bromomethane
Concen: 0.277 ug/l
RT: 2.995 min Scan# 160
Delta R.T. 0.042 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion: 94 Resp: 1053
Ion Ratio Lower Upper
94 100
96 82.0 75.1 112.7





#13

Acrolein

Concen: 0.257 ug/l

RT: 4.201 min Scan# 3

Delta R.T. 0.012 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

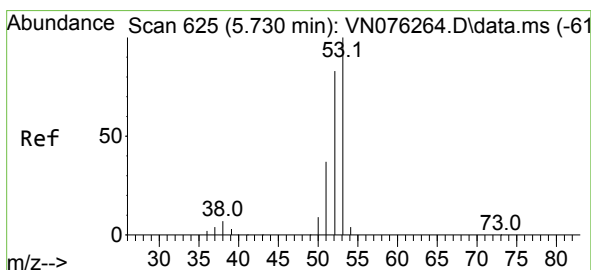
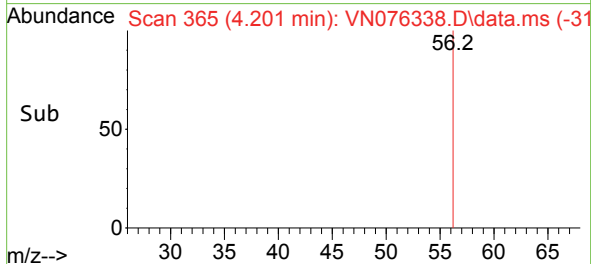
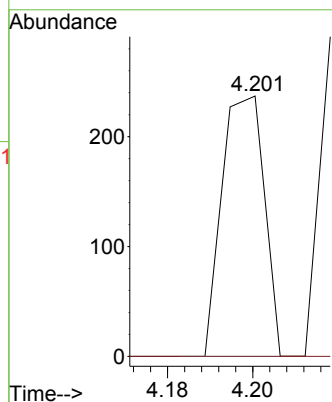
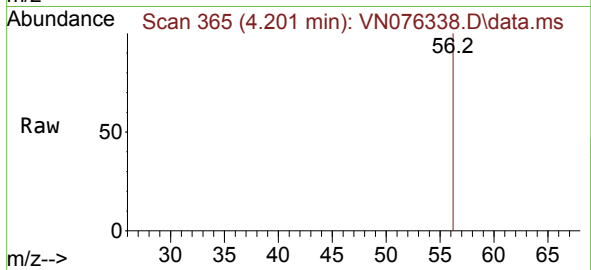
VN0120MBL01

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



#15

Acrylonitrile

Concen: 0.562 ug/l

RT: 5.753 min Scan# 629

Delta R.T. 0.023 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

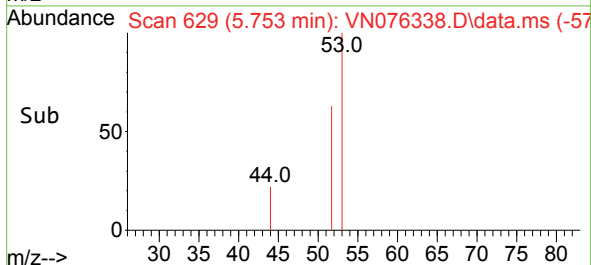
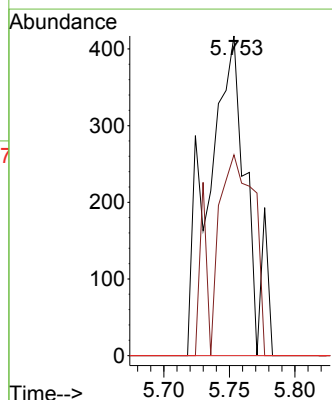
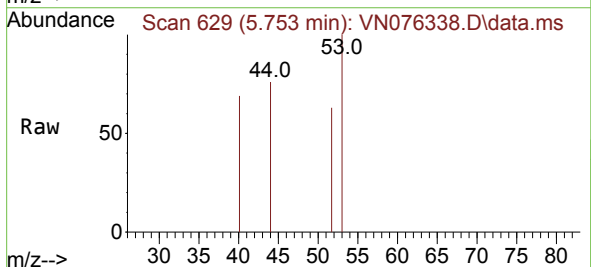
Tgt Ion: 53 Resp: 855

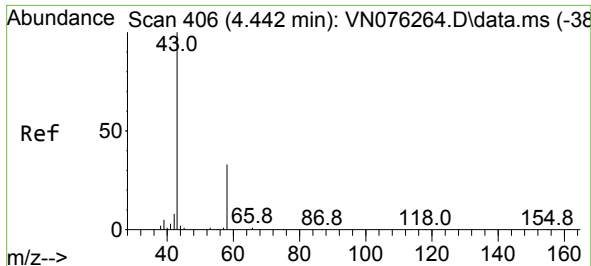
Ion Ratio Lower Upper

53 100

52 64.8 64.7 97.1

51 0.0 29.2 43.8#

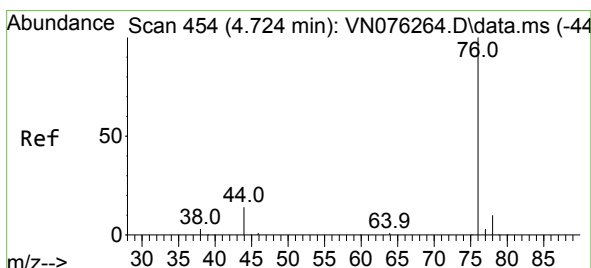
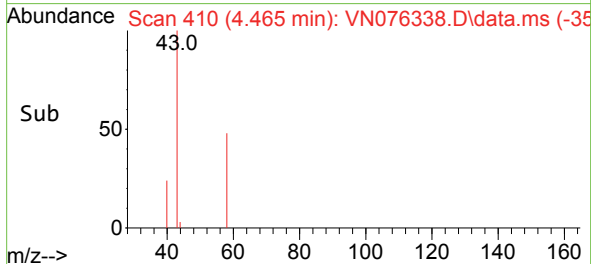
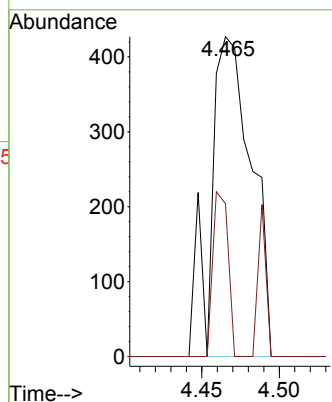
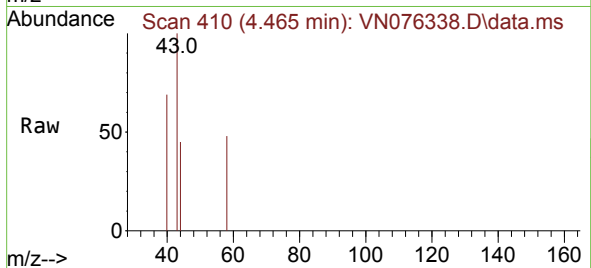




#16
Acetone
Concen: 0.536 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

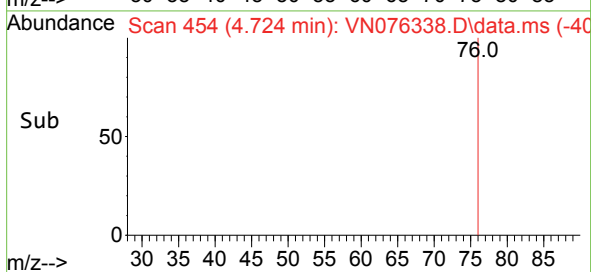
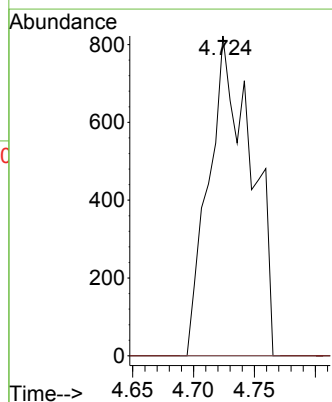
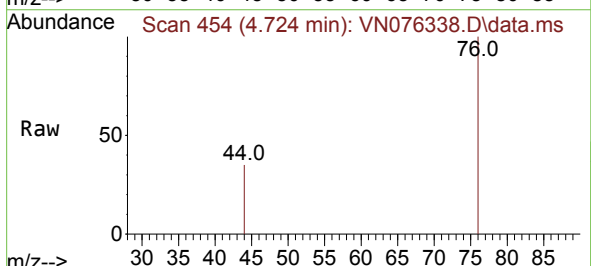
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

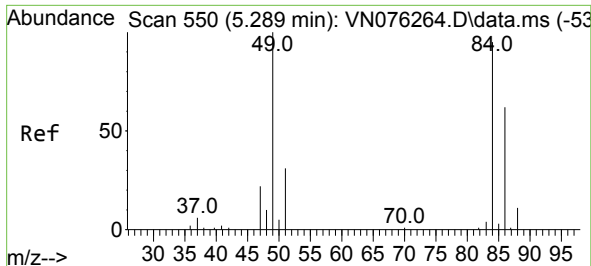
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 47.8 26.7 40.1#



#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 4.724 min Scan# 454
Delta R.T. 0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

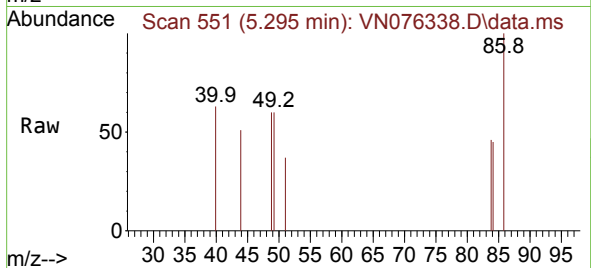
Tgt Ion: 76 Resp: 1992
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



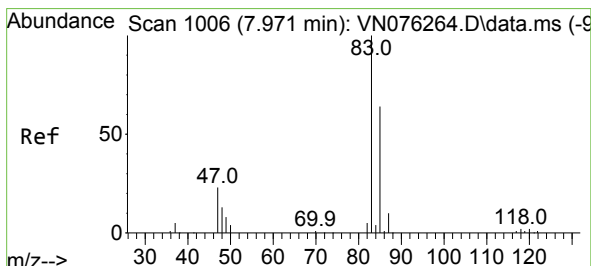
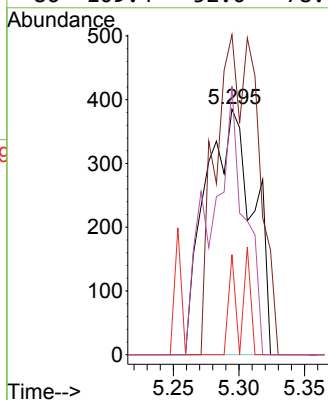
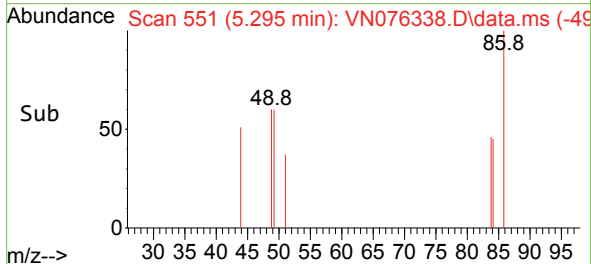


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

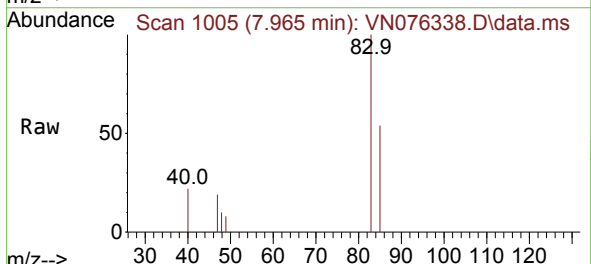
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01



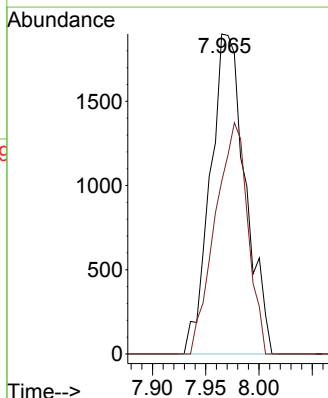
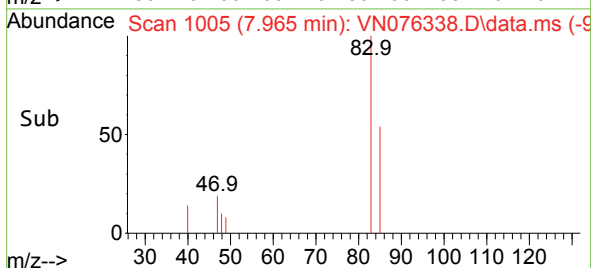
Tgt Ion: 84 Resp: 976
Ion Ratio Lower Upper
84 100
49 130.4 84.5 126.7#
51 40.8 26.0 39.0#
86 109.4 52.0 78.0#

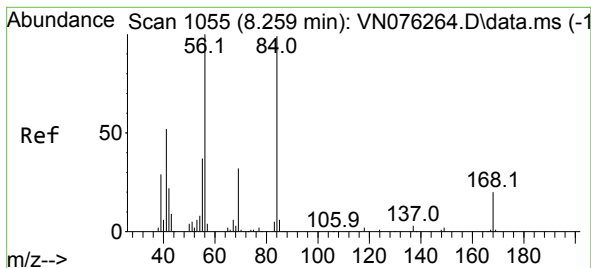


#30
Chloroform
Concen: 0.627 ug/l
RT: 7.965 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01



Tgt Ion: 83 Resp: 4343
Ion Ratio Lower Upper
83 100
85 53.9 51.0 76.6





#31

Cyclohexane

Concen: 1.152 ug/l

RT: 8.230 min Scan# 1105

Delta R.T. -0.029 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBL01

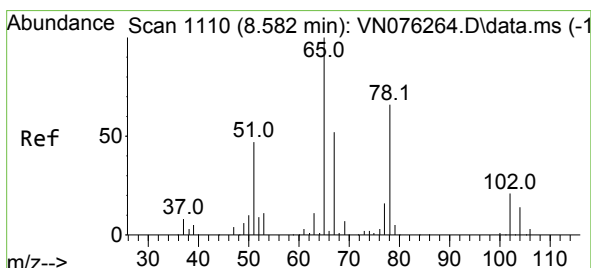
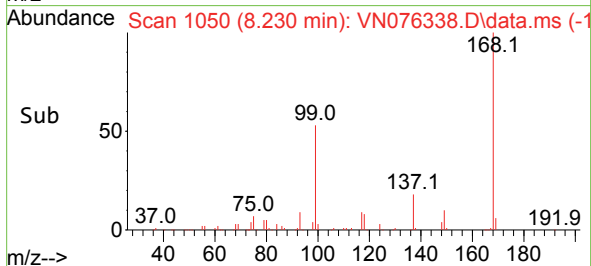
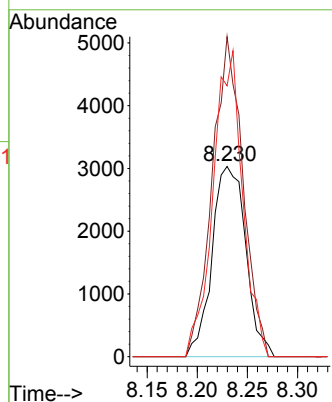
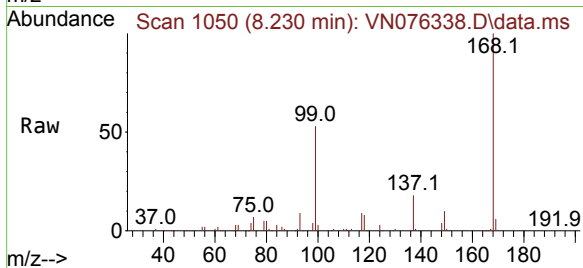
Tgt Ion: 56 Resp: 7069

Ion Ratio Lower Upper

56 100

69 168.2 25.8 38.8#

84 142.3 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 47.280 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076338.D

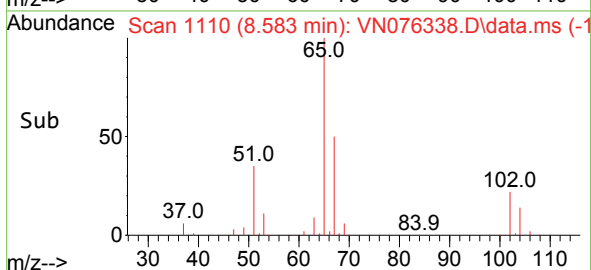
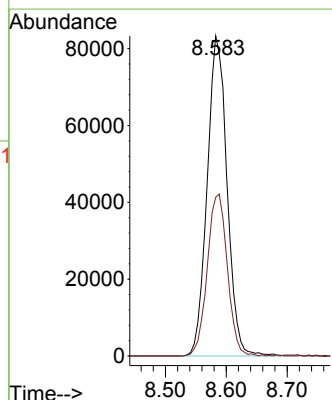
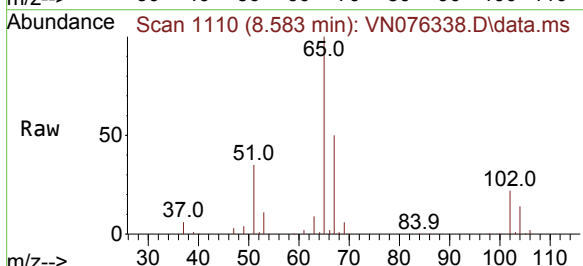
Acq: 20 Jan 2023 11:01

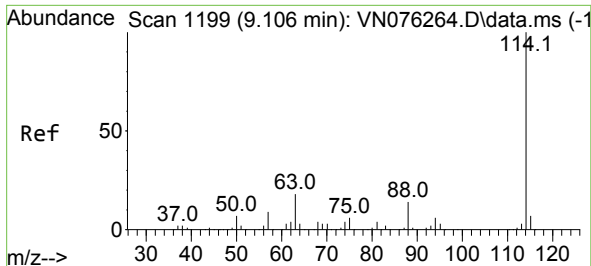
Tgt Ion: 65 Resp: 188929

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBL01

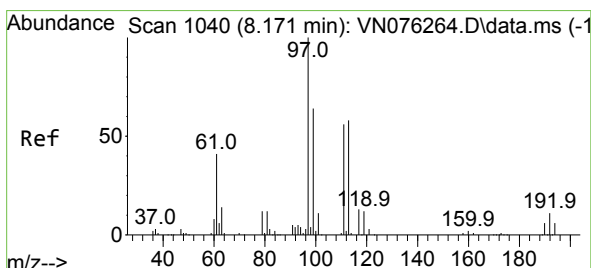
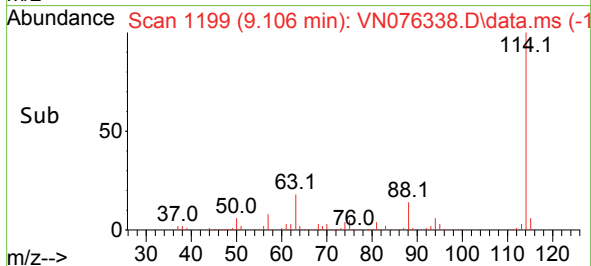
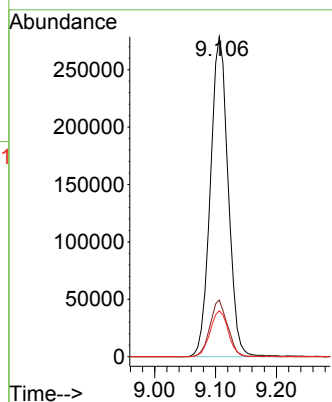
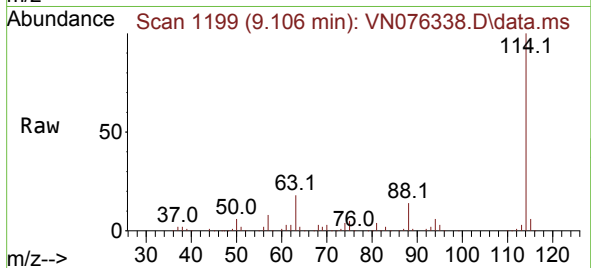
Tgt Ion:114 Resp: 563440

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.8

88 14.4 0.0 28.0



#35

Dibromofluoromethane

Concen: 47.790 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

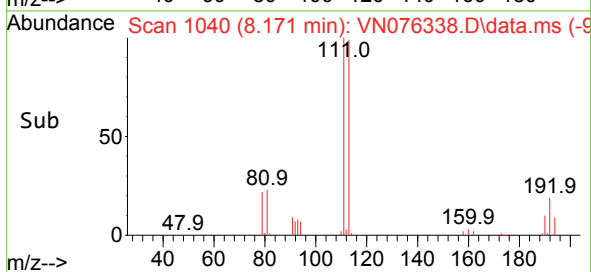
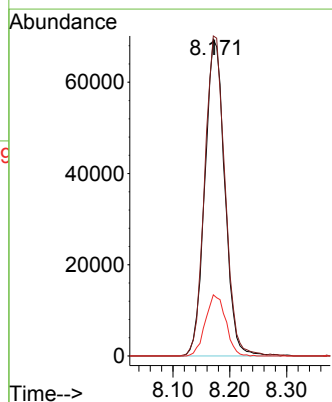
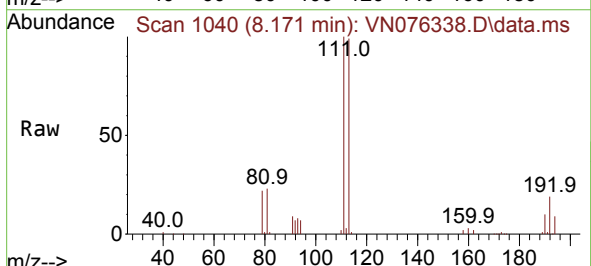
Tgt Ion:113 Resp: 168437

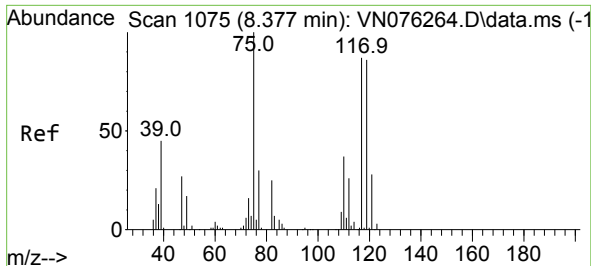
Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

192 19.7 15.6 23.4

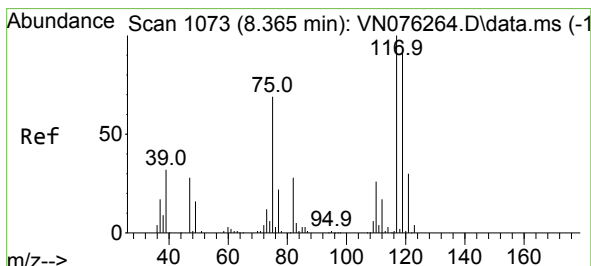
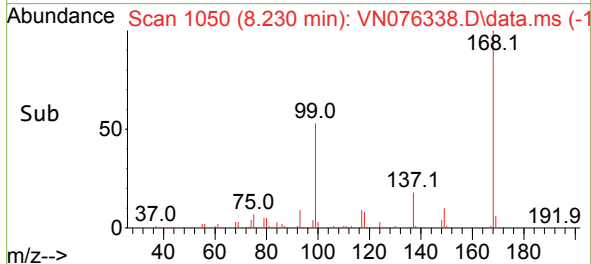
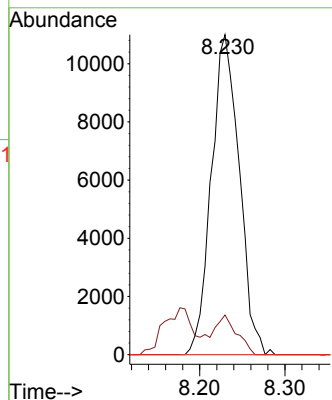
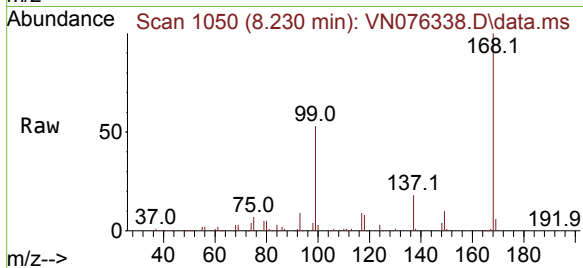




#36
1,1-Dichloropropene
Concen: 4.997 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

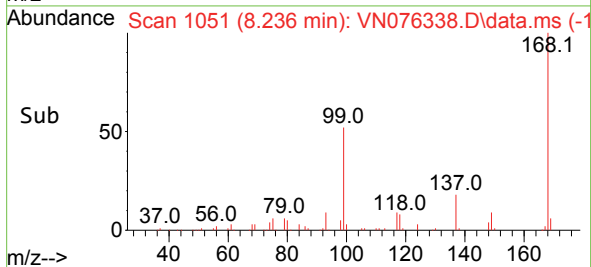
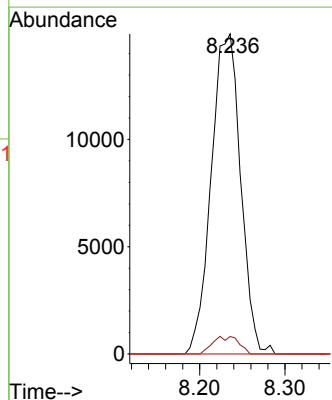
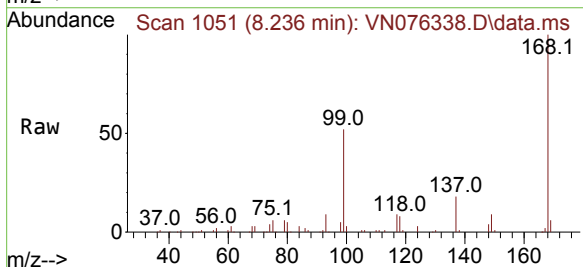
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

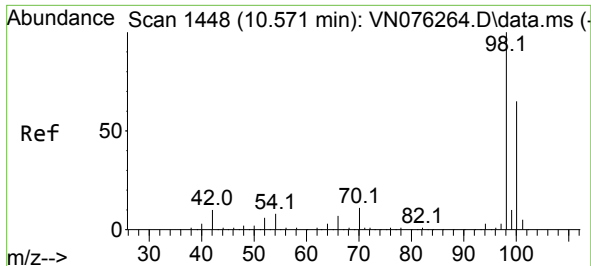
Tgt Ion: 75 Resp: 25029
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.394 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion: 117 Resp: 35711
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.0#
121 0.0 24.2 36.2#

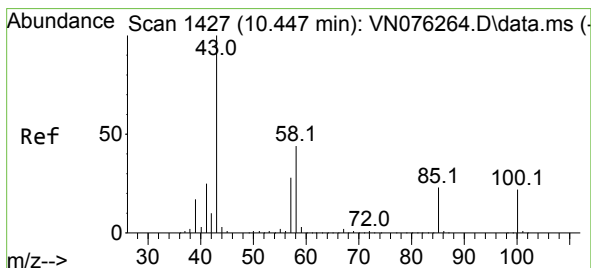
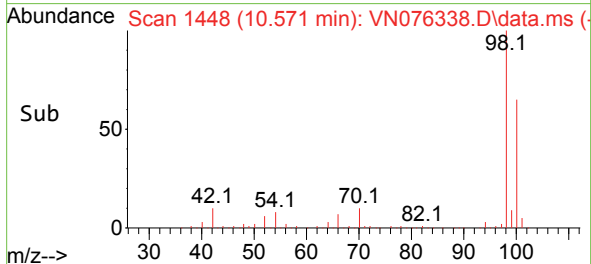
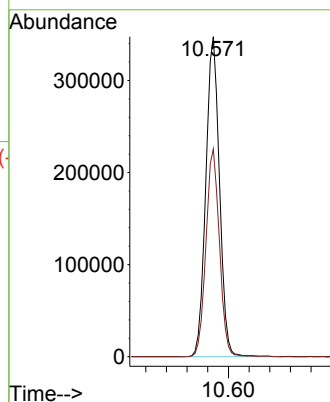
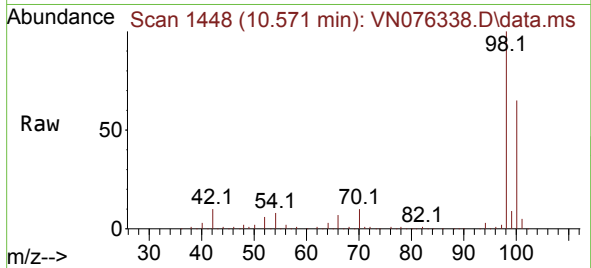




#50
Toluene-d8
Concen: 48.904 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

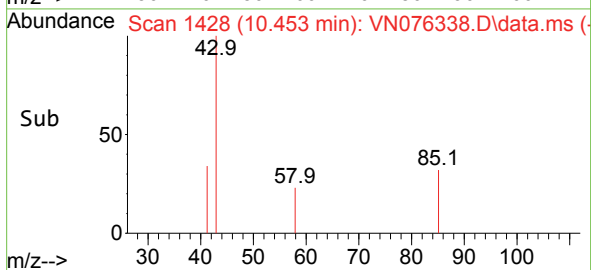
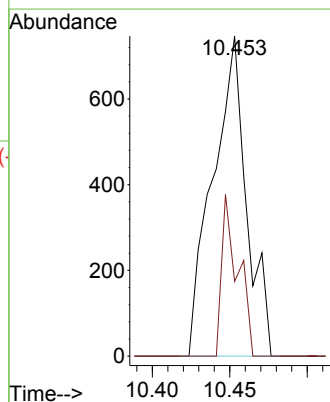
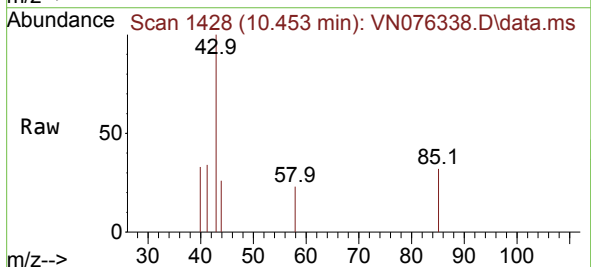
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

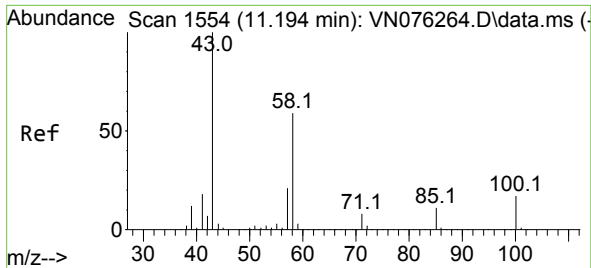
Tgt Ion: 98 Resp: 636557
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
58 24.1 35.1 52.7#

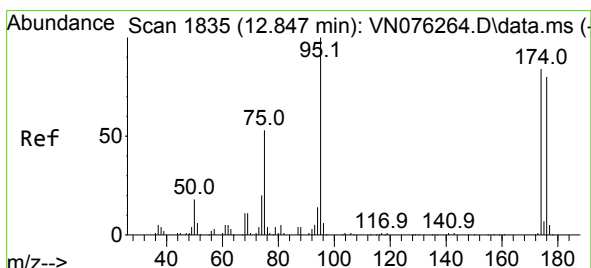
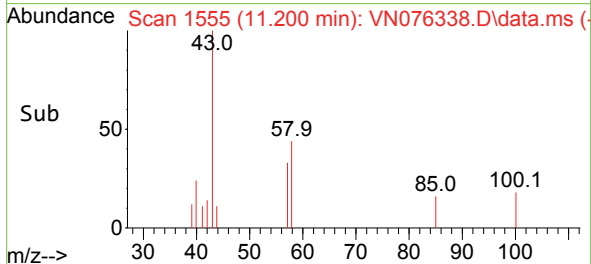
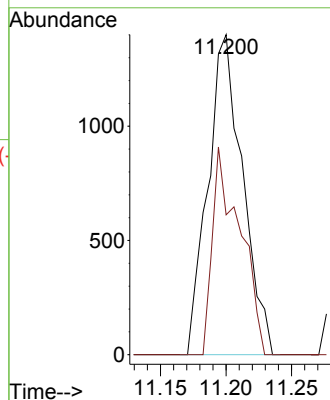
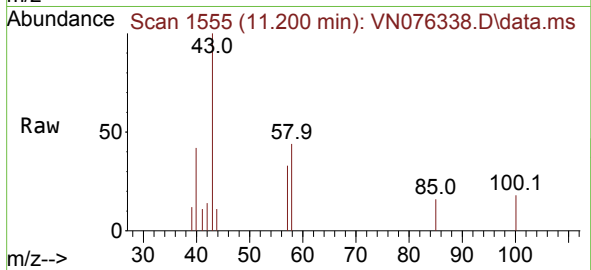




#59
2-Hexanone
Concen: 0.927 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

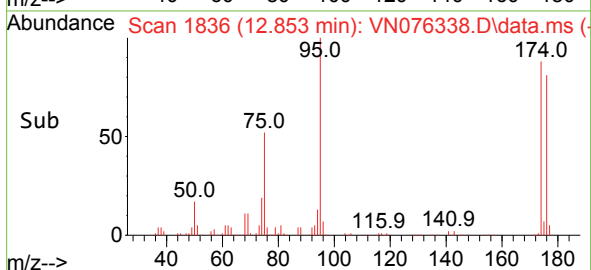
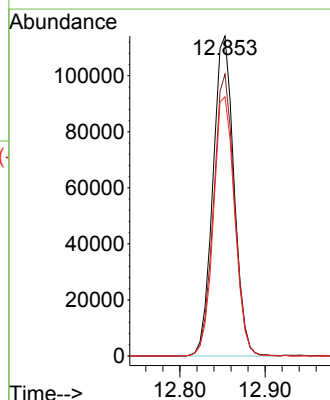
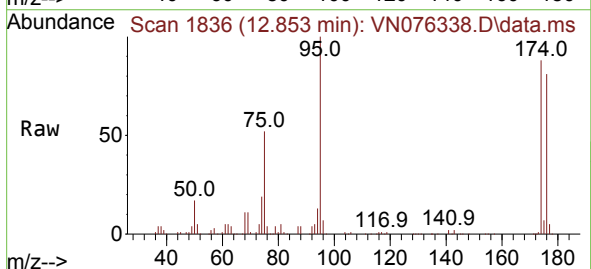
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

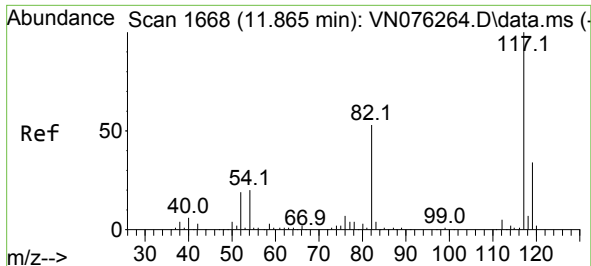
Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
58 51.5 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 46.066 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion: 95 Resp: 195749
Ion Ratio Lower Upper
95 100
174 87.9 0.0 174.6
176 81.8 0.0 167.8

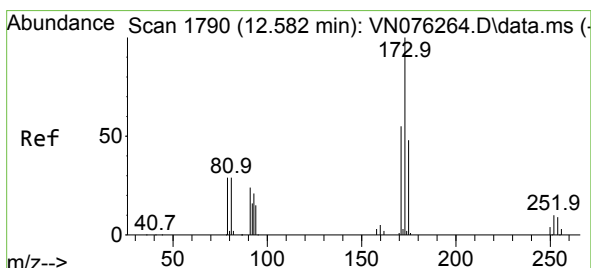
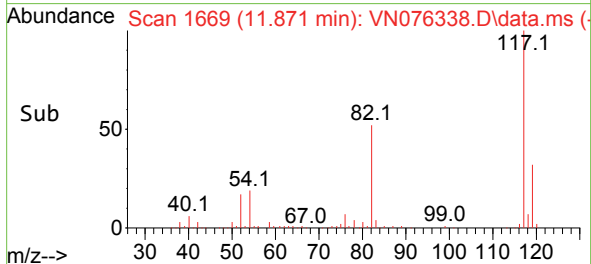
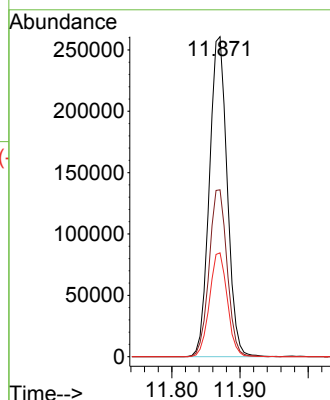
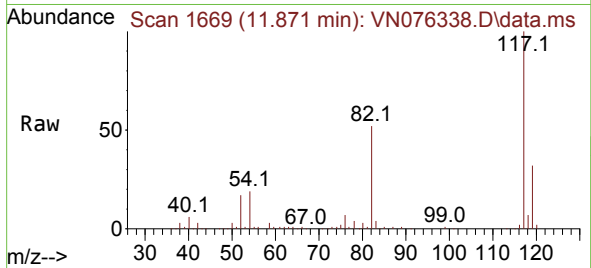




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

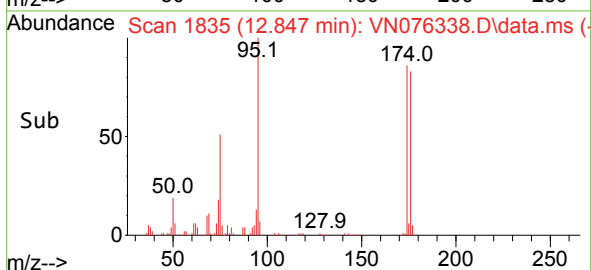
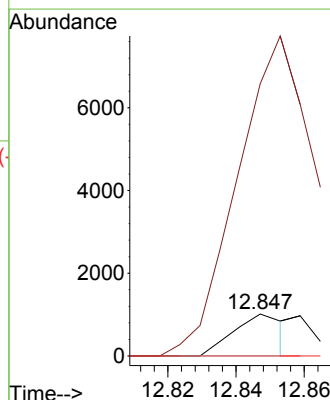
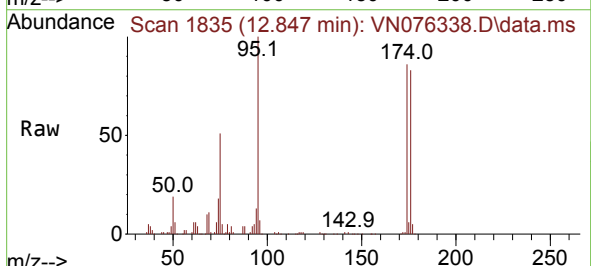
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

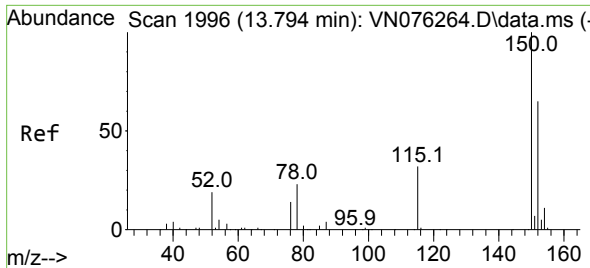
Tgt Ion:117 Resp: 473770
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 32.4 26.9 40.3



#71
Bromoform
Concen: 0.383 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion:173 Resp: 1030
Ion Ratio Lower Upper
173 100
175 979.6 24.1 72.4#
254 0.0 0.0 0.0

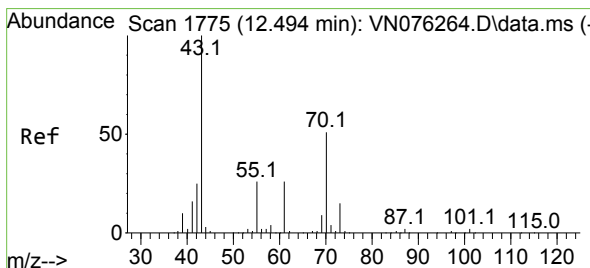
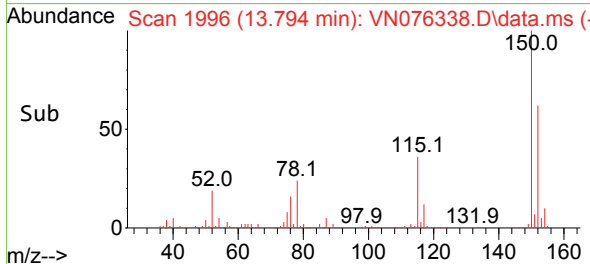
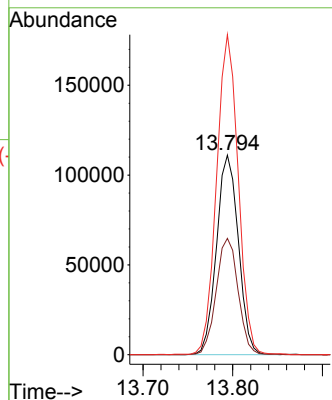
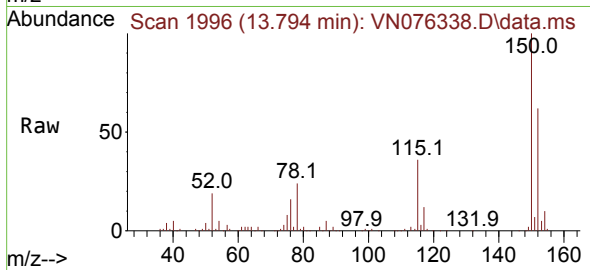




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

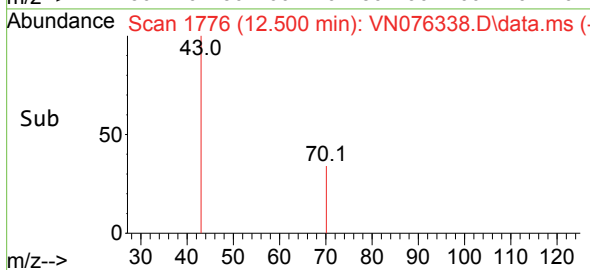
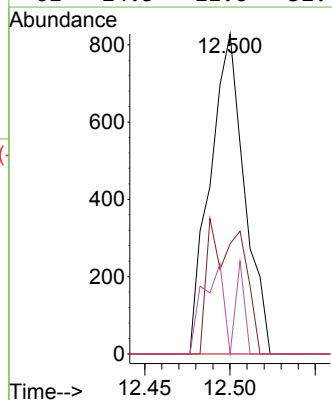
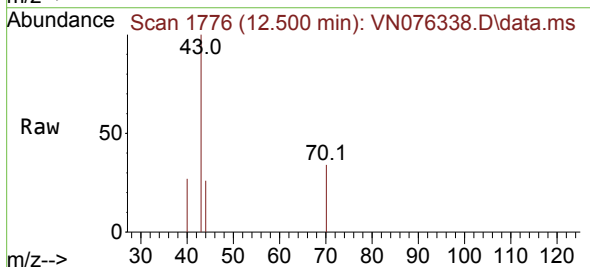
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

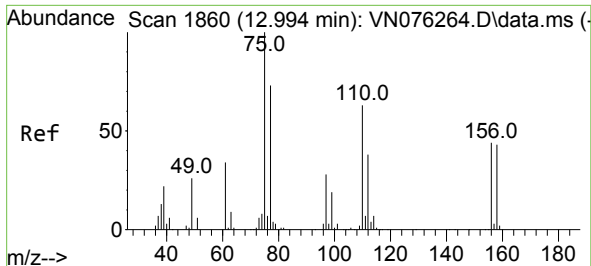
Tgt Ion:152 Resp: 187829
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.9
150 159.1 0.0 351.4



#74
N-ethyl acetate
Concen: 0.278 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
70 40.9 41.2 61.8#
55 0.0 21.0 31.6#
61 24.5 21.6 32.4

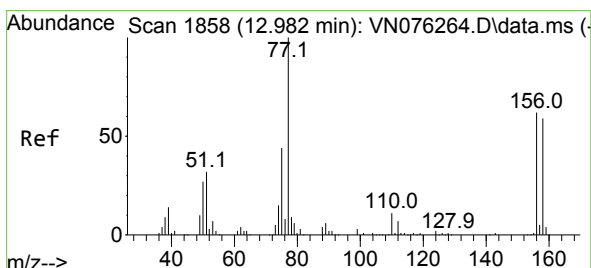
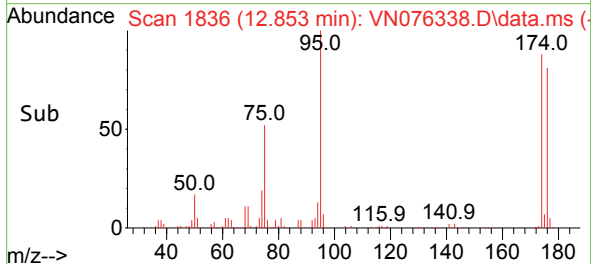
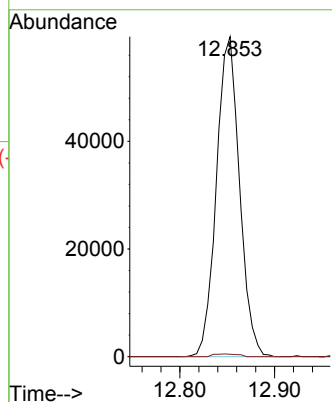
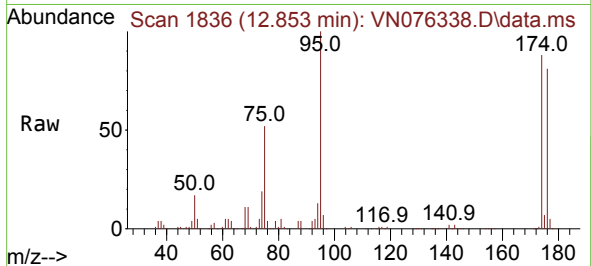




#76
1,2,3-Trichloropropane
Concen: 29.032 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

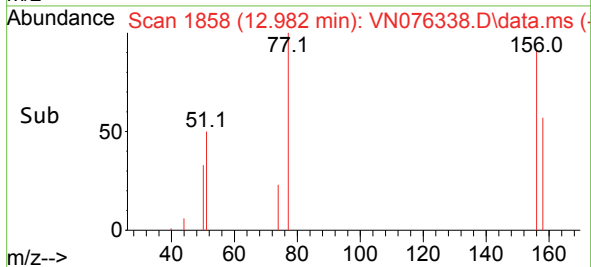
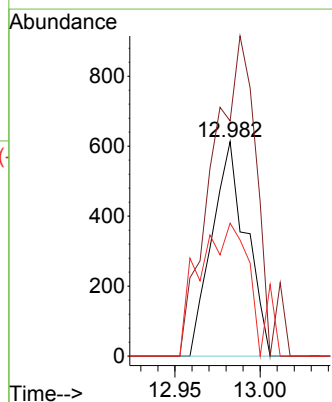
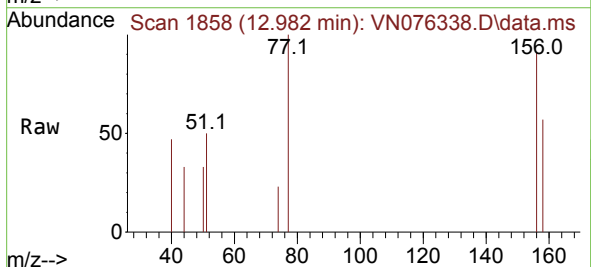
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

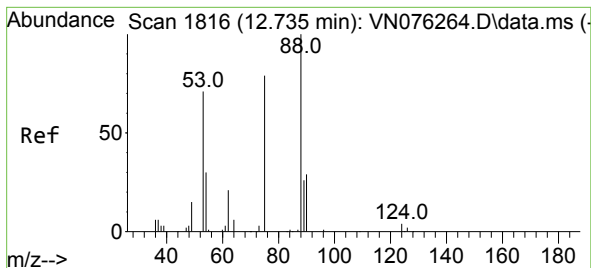
Tgt Ion: 75 Resp: 100702
Ion Ratio Lower Upper
75 100
77 0.9 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion:156 Resp: 854
Ion Ratio Lower Upper
156 100
77 196.1 93.4 280.2
158 95.6 48.4 145.2

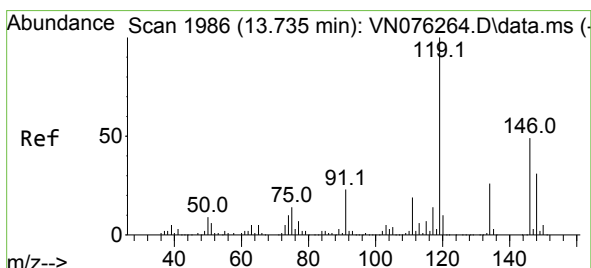
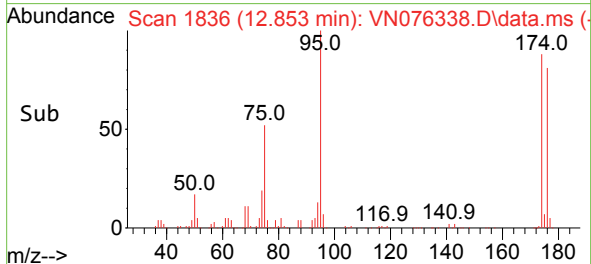
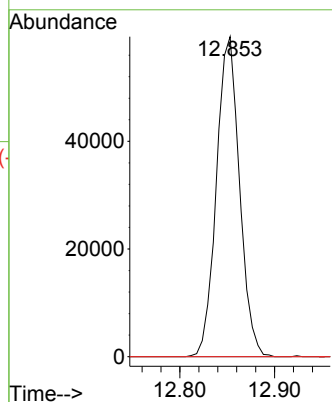
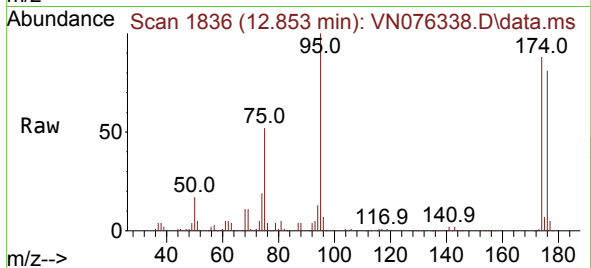




#81
trans-1,4-Dichloro-2-butene
Concen: 89.204 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

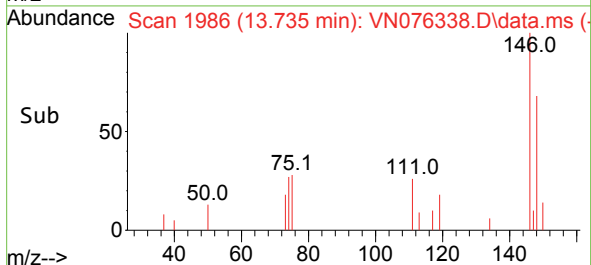
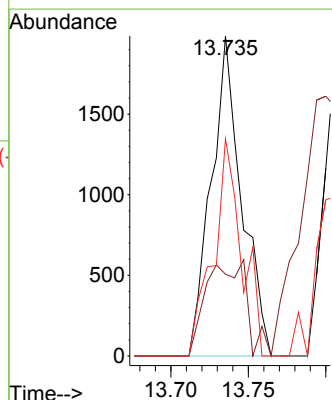
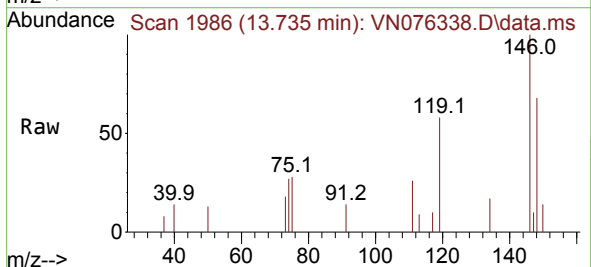
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

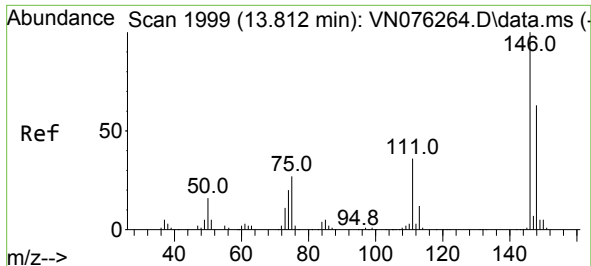
Tgt Ion: 75 Resp: 100702
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.396 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion:146 Resp: 2710
Ion Ratio Lower Upper
146 100
111 39.3 19.9 59.7
148 63.4 31.6 94.8

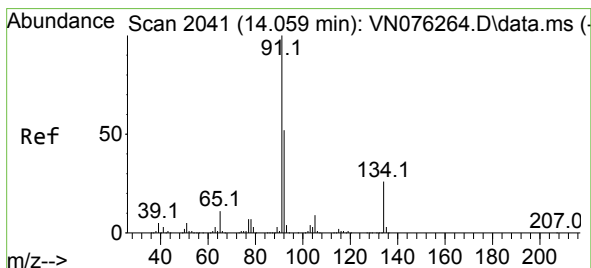
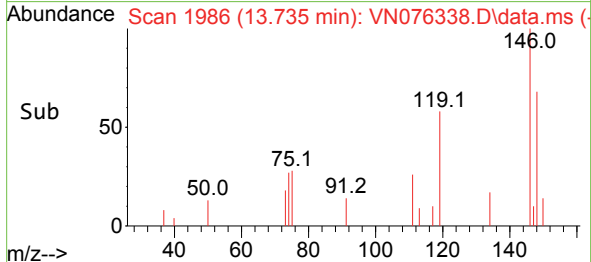
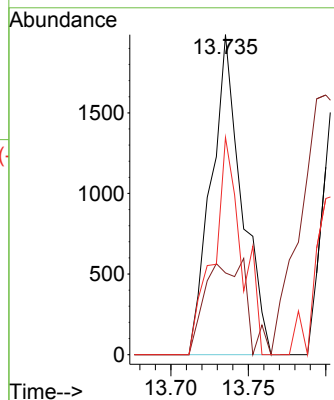
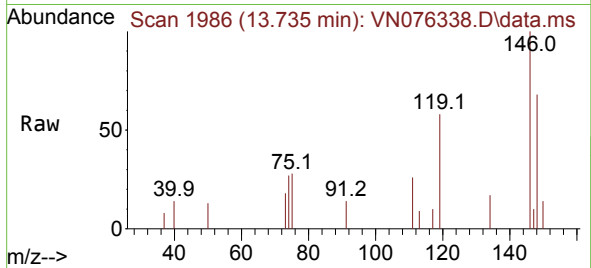




#88
1,4-Dichlorobenzene
Concen: 0.516 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

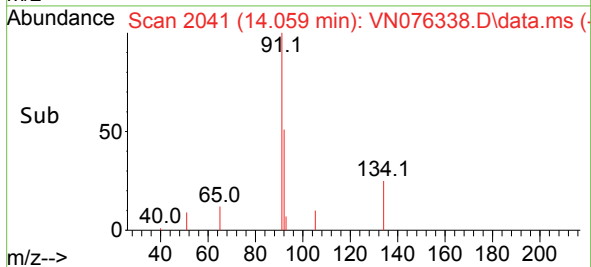
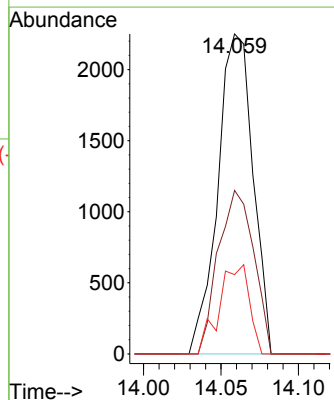
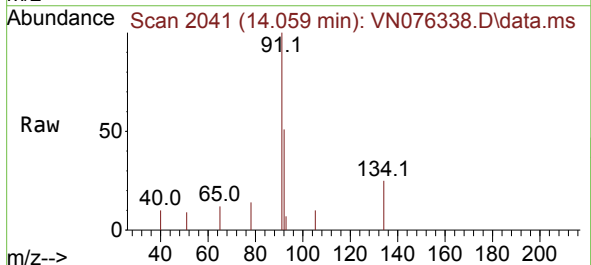
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

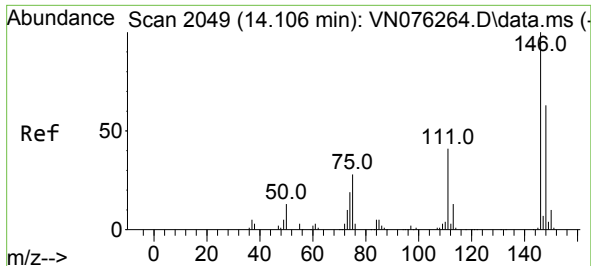
Tgt Ion:146 Resp: 2710
Ion Ratio Lower Upper
146 100
111 39.3 19.1 57.5
148 63.4 31.9 95.9



#89
n-Butylbenzene
Concen: 0.363 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion: 91 Resp: 3555
Ion Ratio Lower Upper
91 100
92 51.4 26.3 78.9
134 23.9 13.2 39.5





#91

1,2-Dichlorobenzene

Concen: 0.362 ug/l

RT: 14.112 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBL01

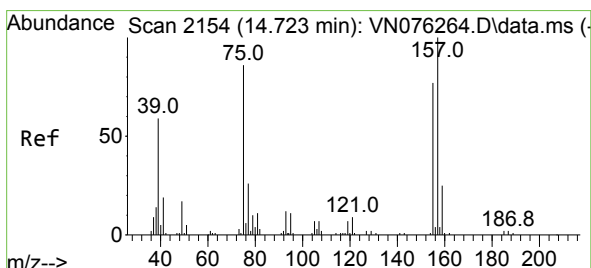
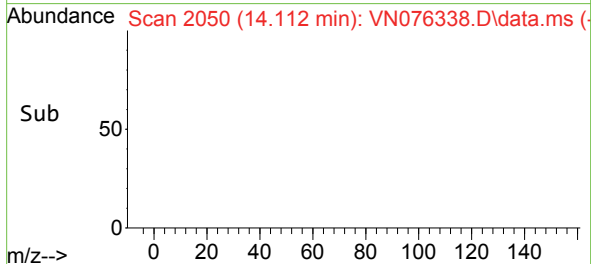
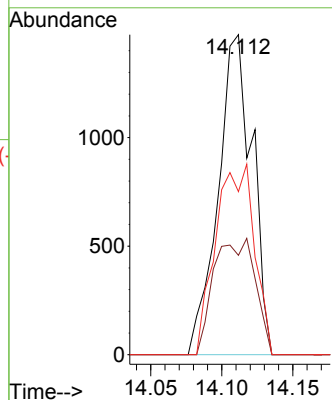
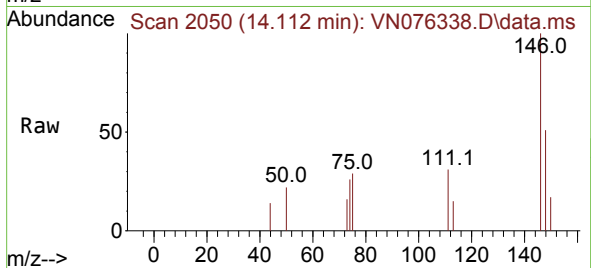
Tgt Ion:146 Resp: 2467

Ion Ratio Lower Upper

146 100

111 43.9 20.3 60.8

148 66.9 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.256 ug/l

RT: 14.723 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

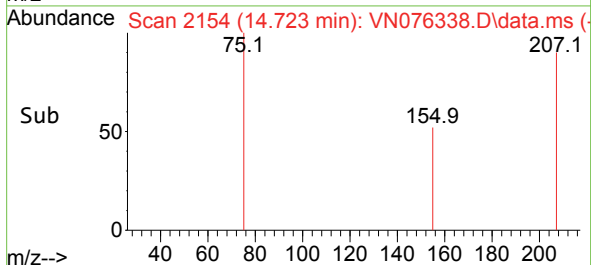
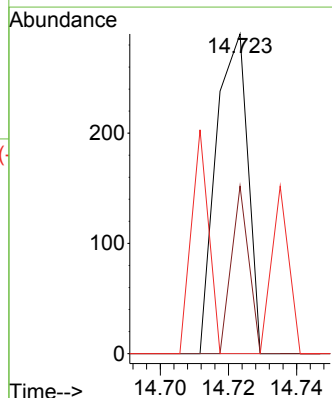
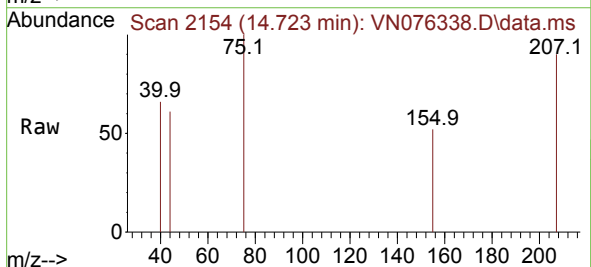
Tgt Ion: 75 Resp: 186

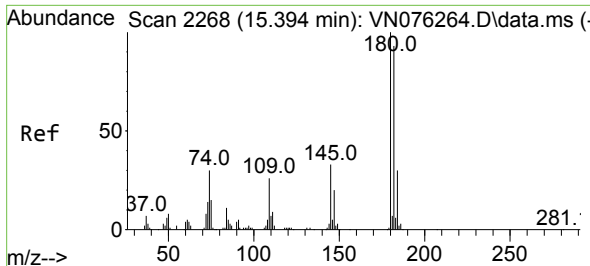
Ion Ratio Lower Upper

75 100

155 29.0 45.0 135.0#

157 29.0 58.3 174.9#

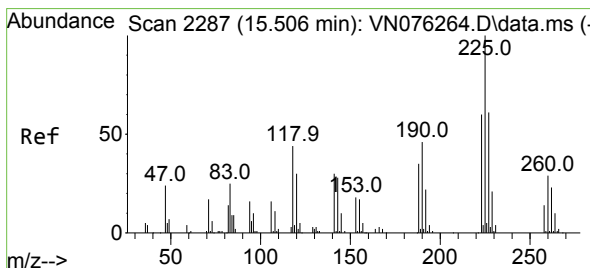
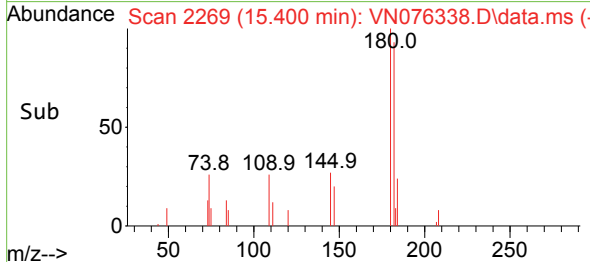
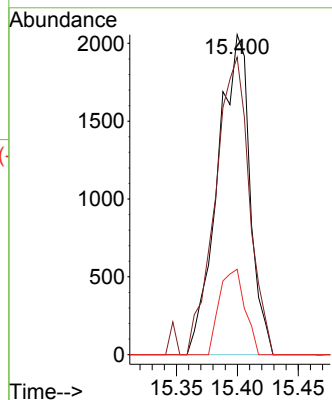
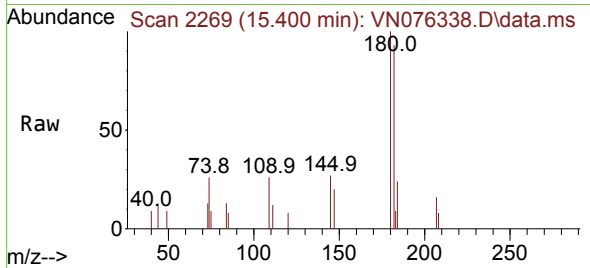




#93
1,2,4-Trichlorobenzene
Concen: 2.428 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

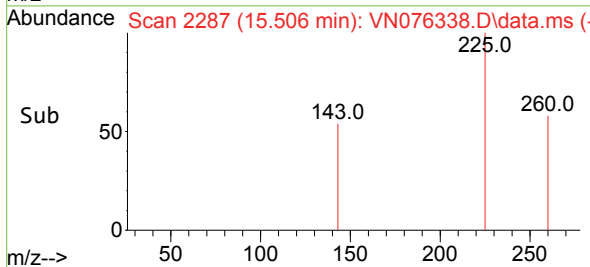
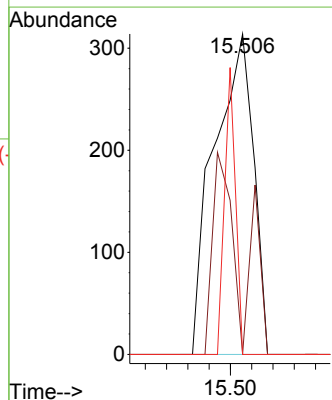
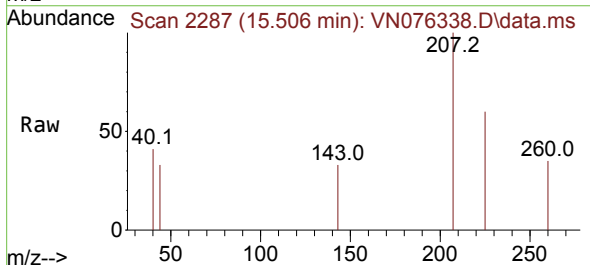
Instrument :
MSVOA_N
ClientSampleId :
VN0120MBL01

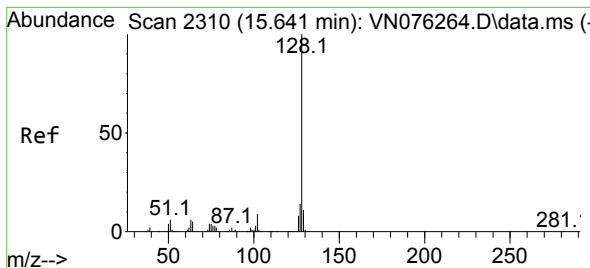
Tgt Ion:180 Resp: 3799
Ion Ratio Lower Upper
180 100
182 97.9 47.0 141.2
145 21.1 15.2 45.5



#94
Hexachlorobutadiene
Concen: 0.222 ug/l
RT: 15.506 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VN076338.D
Acq: 20 Jan 2023 11:01

Tgt Ion:225 Resp: 402
Ion Ratio Lower Upper
225 100
223 45.3 30.8 92.3
227 24.6 30.9 92.8#





#95

Naphthalene

Concen: 3.553 ug/l

RT: 15.647 min Scan# 2310

Delta R.T. 0.006 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBL01

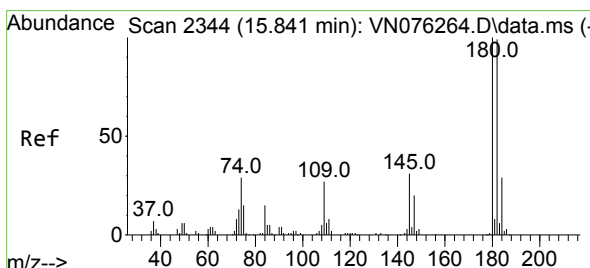
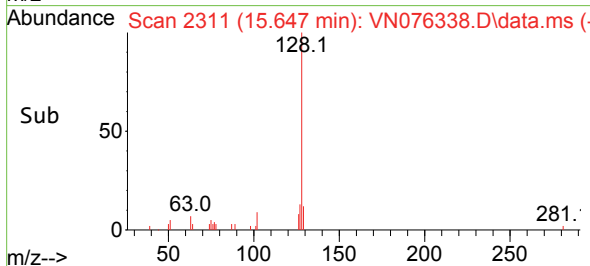
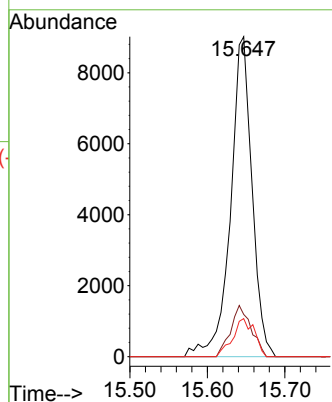
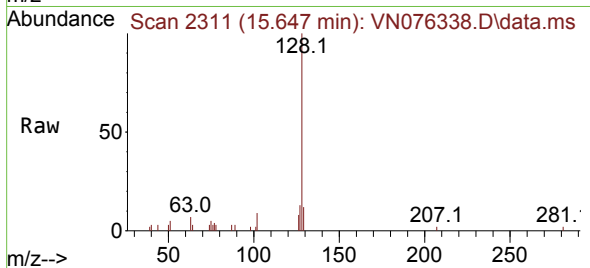
Tgt Ion:128 Resp: 17371

Ion Ratio Lower Upper

128 100

127 15.3 10.3 15.5

129 12.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.525 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076338.D

Acq: 20 Jan 2023 11:01

Tgt Ion:180 Resp: 4409

Ion Ratio Lower Upper

180 100

182 99.5 47.5 142.5

145 36.4 15.9 47.6

