

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076311.D
 Acq On : 19 Jan 2023 10:20
 Operator : JC\MD
 Sample : VN0119MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0119MBL01

Quant Time: Jan 20 00:50:19 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)

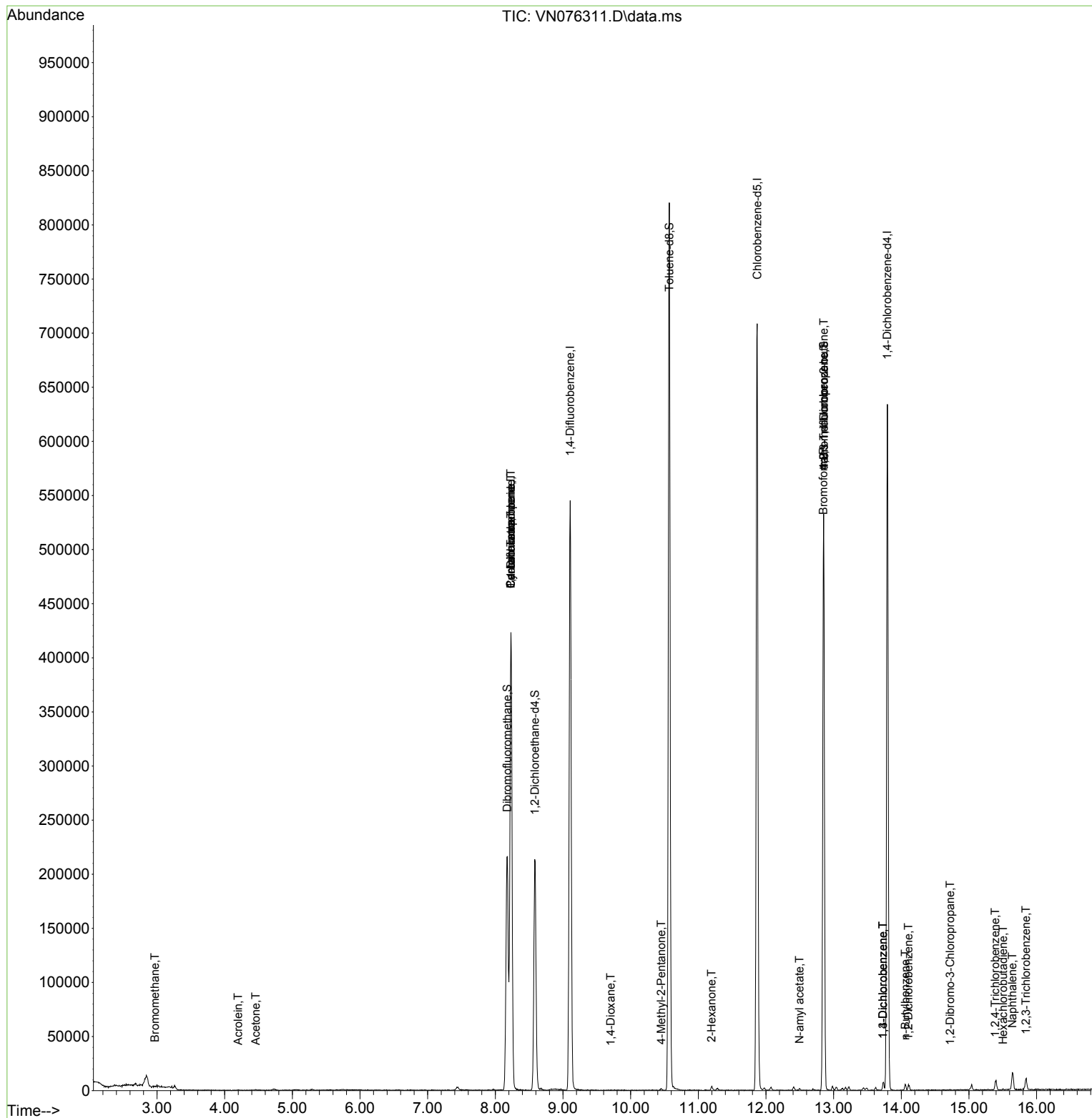
Internal Standards						
1) Pentafluorobenzene	8.229	168	327680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	516852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	435784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	175146	47.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.480%		
35) Dibromofluoromethane	8.177	113	158389	48.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.980%		
50) Toluene-d8	10.570	98	580632	48.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.853	95	178484	45.789	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.580%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	798	0.229	ug/l #	79
13) Acrolein	4.200	56	258	0.440	ug/l #	66
16) Acetone	4.459	43	692	0.515	ug/l #	79
20) Methylene Chloride	5.288	84	360	Below Cal	#	64
31) Cyclohexane	8.229	56	6080	1.079	ug/l #	18
36) 1,1-Dichloropropene	8.229	75	23389	5.091	ug/l #	49
38) Carbon Tetrachloride	8.229	117	32056	6.257	ug/l #	15
49) 1,4-Dioxane	9.706	88	70	1.169	ug/l #	31
51) 4-Methyl-2-Pentanone	10.453	43	1362	0.387	ug/l #	80
59) 2-Hexanone	11.194	43	2583	1.013	ug/l	96
71) Bromoform	12.847	173	1004	0.406	ug/l #	1
74) N-amyl acetate	12.494	43	903	0.227	ug/l #	75
76) 1,2,3-Trichloropropane	12.853	75	93542	28.361	ug/l #	1
77) Bromobenzene	12.976	156	1093	Below Cal		72
81) trans-1,4-Dichloro-2-b...	12.853	75	93542	87.208	ug/l #	11
87) 1,3-Dichlorobenzene	13.729	146	2824	0.434	ug/l	96
88) 1,4-Dichlorobenzene	13.729	146	2824	0.556	ug/l	96
89) n-Butylbenzene	14.058	91	3444	0.370	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	2486	0.384	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.723	75	152	0.220	ug/l #	40
93) 1,2,4-Trichlorobenzene	15.388	180	3803	2.488	ug/l	99
94) Hexachlorobutadiene	15.505	225	403	0.234	ug/l	77
95) Naphthalene	15.641	128	17245	3.630	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	4913	2.762	ug/l	97

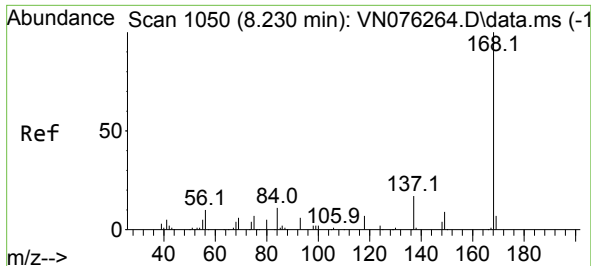
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
Data File : VN076311.D
Acq On : 19 Jan 2023 10:20
Operator : JC\MD
Sample : VN0119MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

Quant Time: Jan 20 00:50:19 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

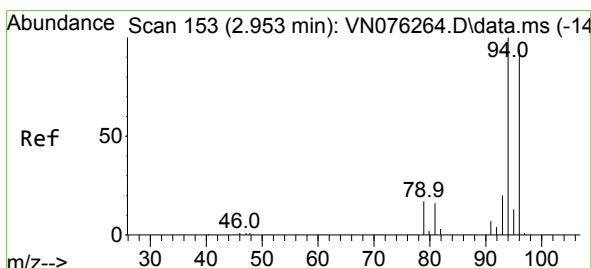
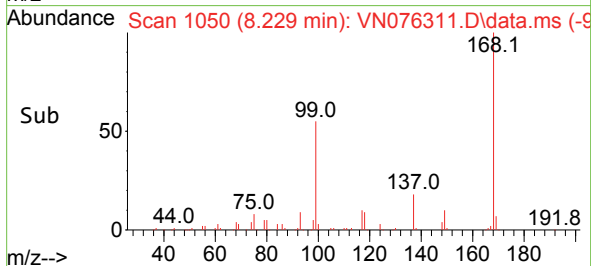
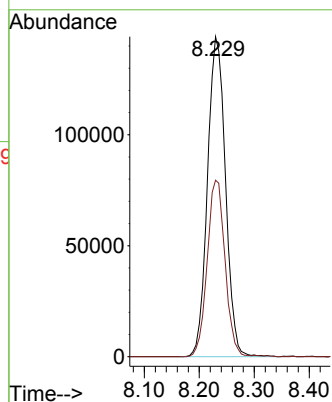
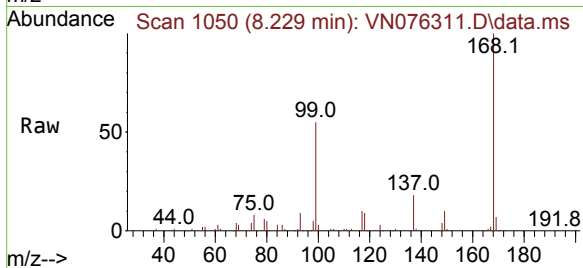




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

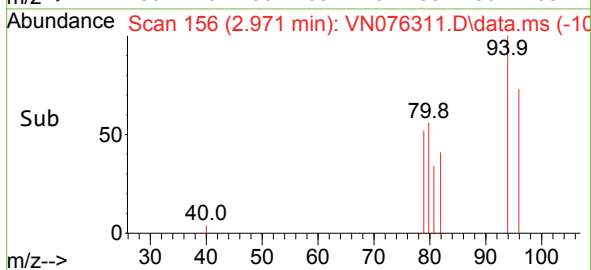
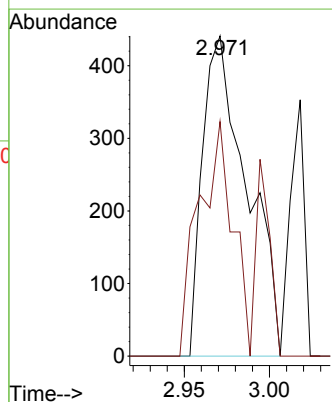
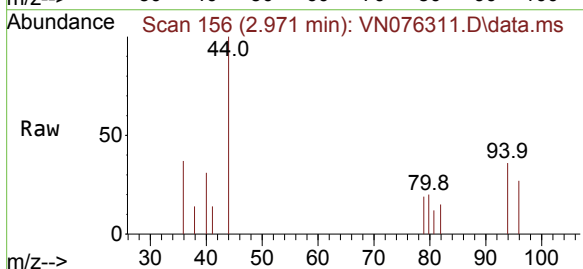
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

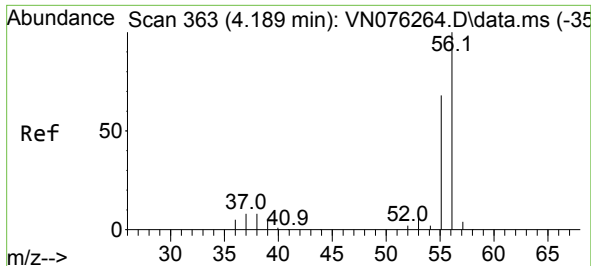
Tgt Ion:168 Resp: 327680
Ion Ratio Lower Upper
168 100
99 55.2 41.6 62.4



#5
Bromomethane
Concen: 0.229 ug/l
RT: 2.971 min Scan# 156
Delta R.T. 0.018 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 94 Resp: 798
Ion Ratio Lower Upper
94 100
96 73.2 75.1 112.7#





#13

Acrolein

Concen: 0.440 ug/l

RT: 4.200 min Scan# 3

Delta R.T. 0.011 min

Lab File: VN076311.D

Acq: 19 Jan 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

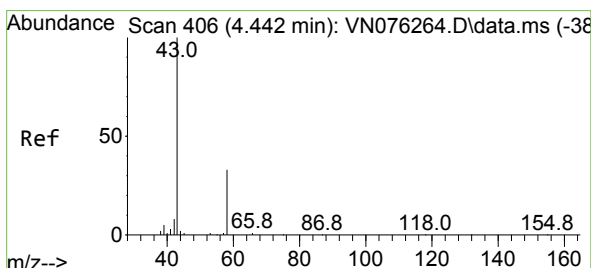
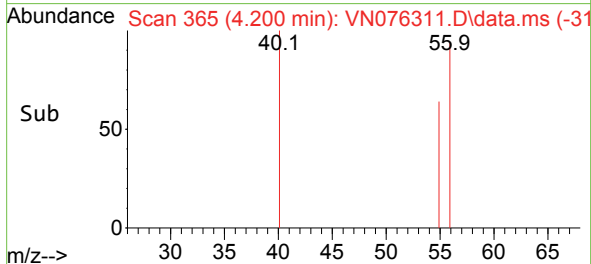
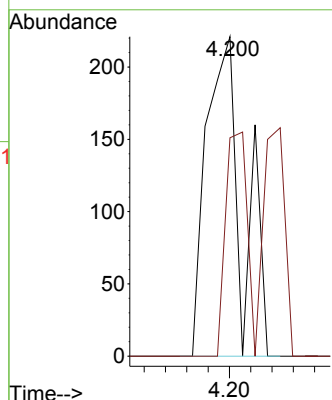
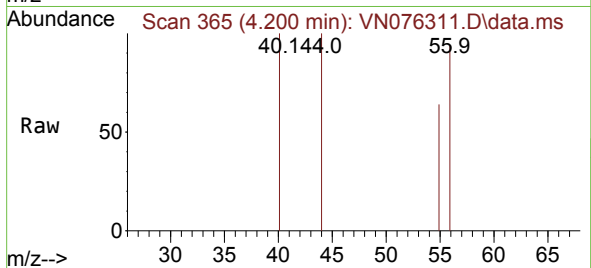
VN0119MBL01

Tgt Ion: 56 Resp: 258

Ion Ratio Lower Upper

56 100

55 41.9 55.8 83.6#



#16

Acetone

Concen: 0.515 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.017 min

Lab File: VN076311.D

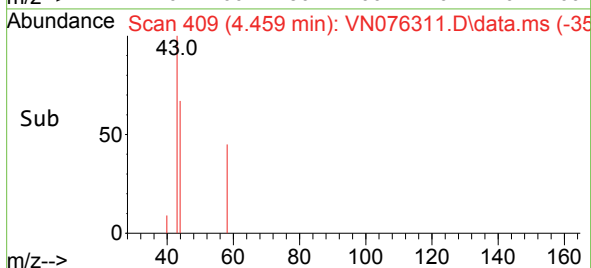
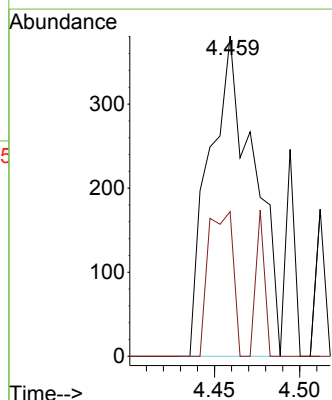
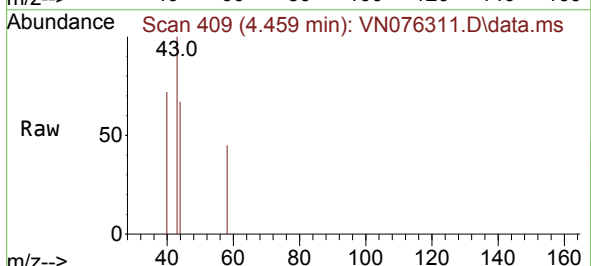
Acq: 19 Jan 2023 10:20

Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

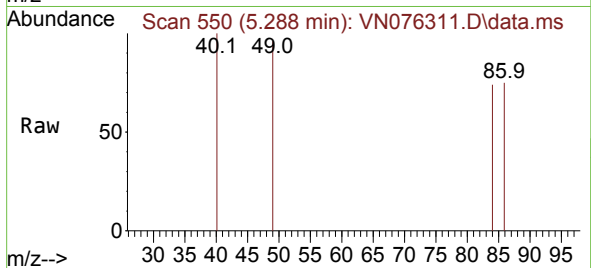
58 45.1 26.7 40.1#



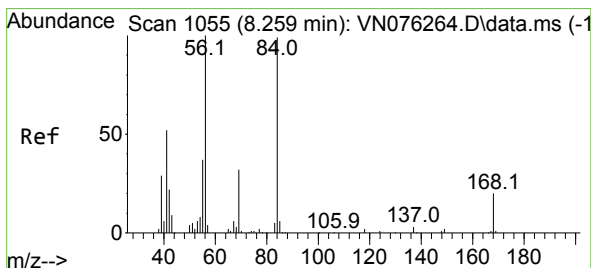
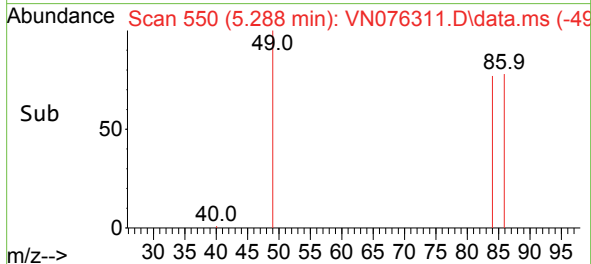
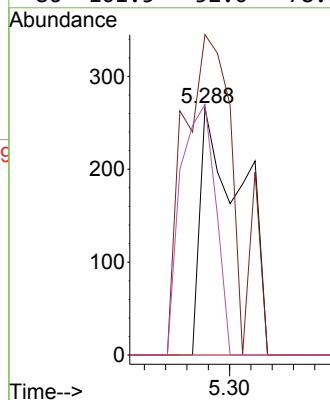


#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

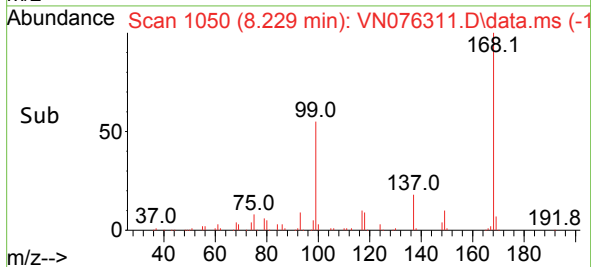
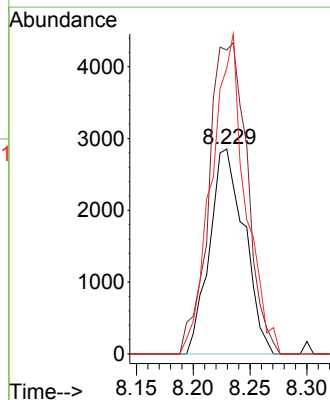
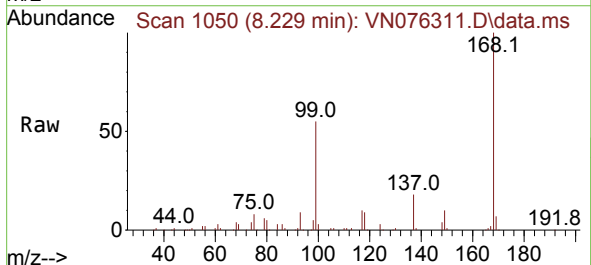


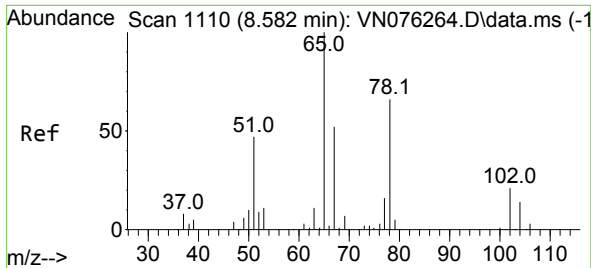
Tgt Ion: 84	Resp: 360
Ion Ratio	Lower Upper
84 100	
49 129.7	84.5 126.7#
51 0.0	26.0 39.0#
86 101.5	52.0 78.0#



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 56	Resp: 6080
Ion Ratio	Lower Upper
56 100	
69 148.3	25.8 38.8#
84 139.4	79.0 118.4#

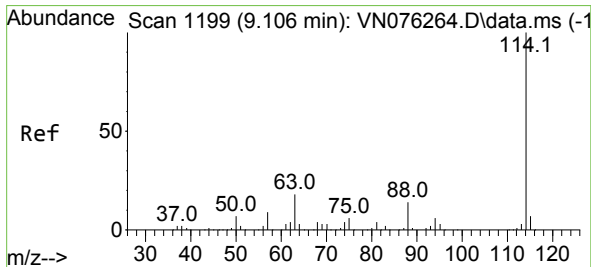
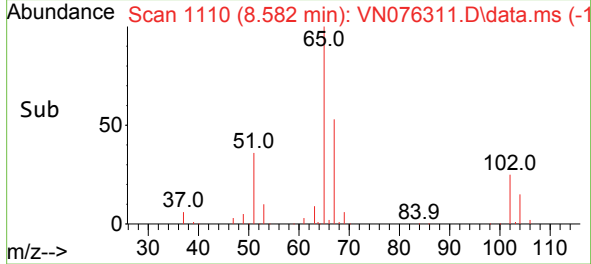
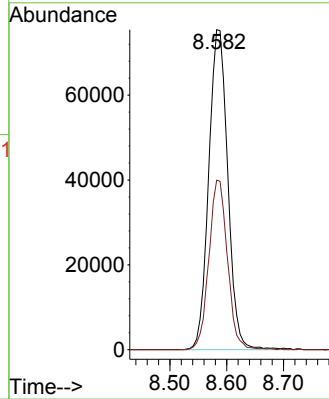
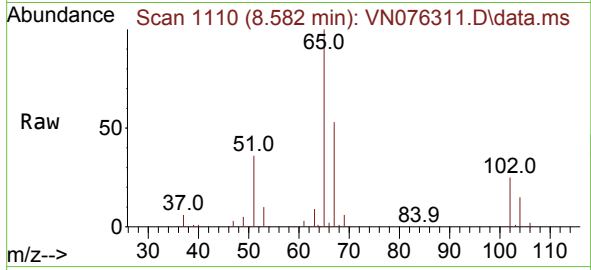




#33
1,2-Dichloroethane-d4
Concen: 47.737 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

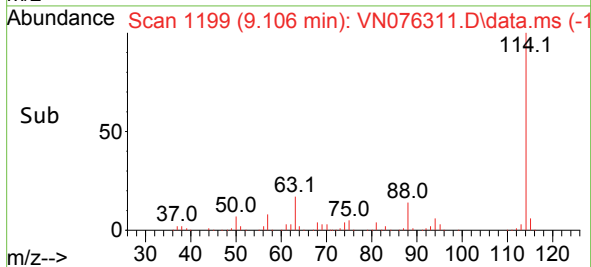
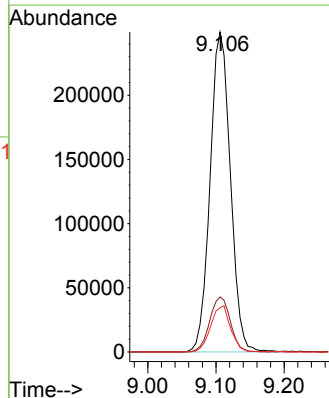
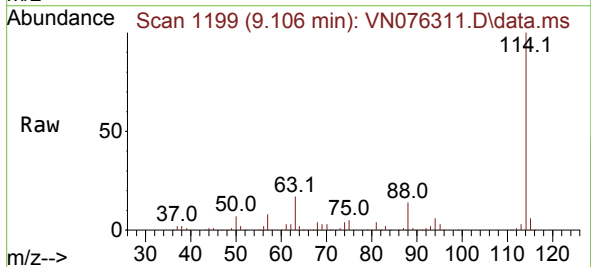
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

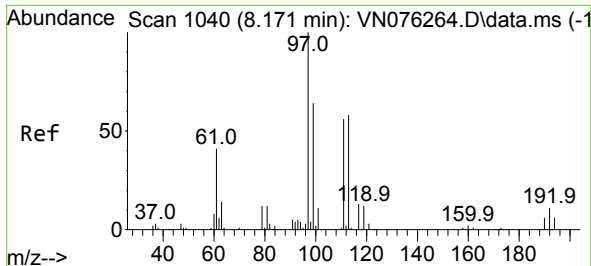
Tgt Ion: 65 Resp: 175146
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 114 Resp: 516852
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.8
88 13.8 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.989 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076311.D

Acq: 19 Jan 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0119MBL01

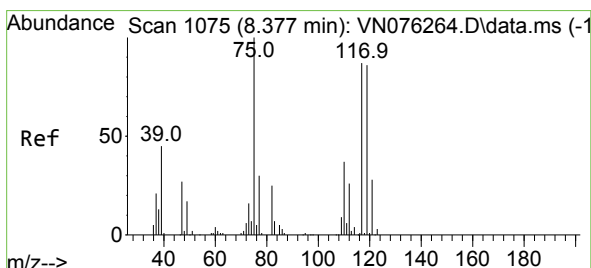
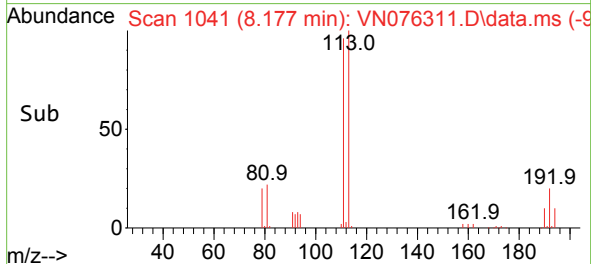
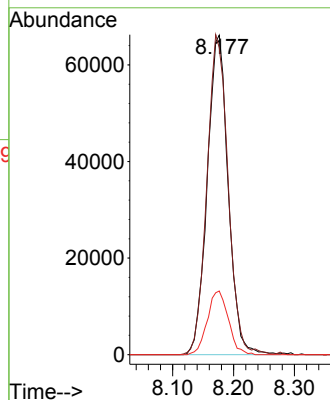
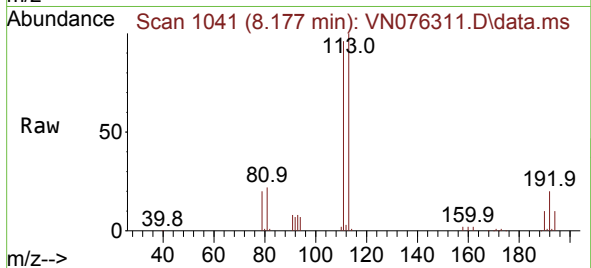
Tgt Ion:113 Resp: 158389

Ion Ratio Lower Upper

113 100

111 101.1 82.7 124.1

192 20.0 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.091 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076311.D

Acq: 19 Jan 2023 10:20

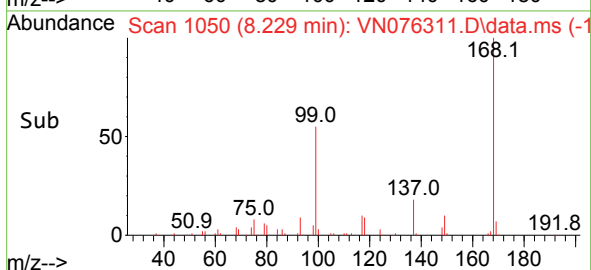
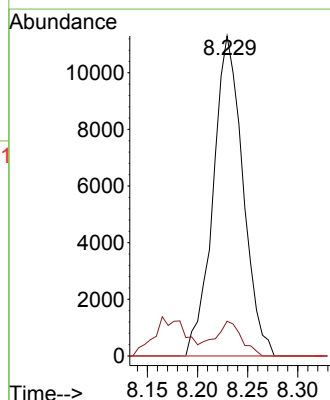
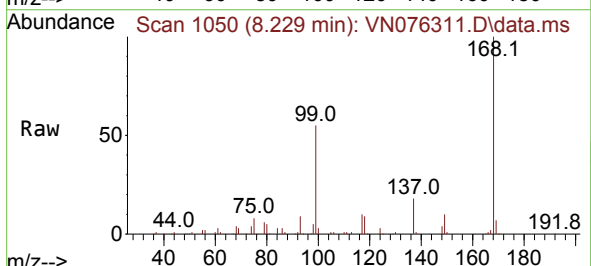
Tgt Ion: 75 Resp: 23389

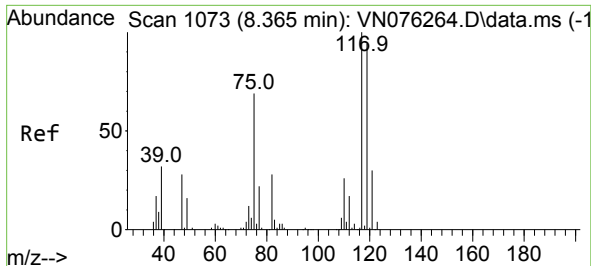
Ion Ratio Lower Upper

75 100

110 9.2 18.8 56.3#

77 0.0 25.0 37.4#

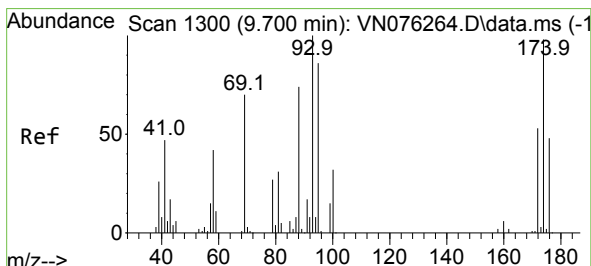
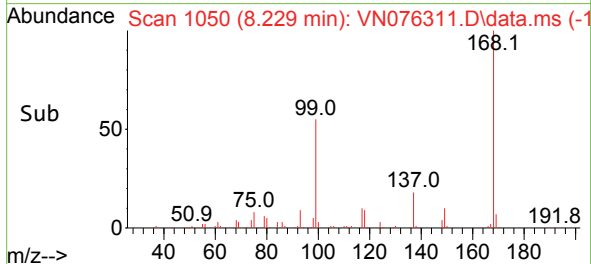
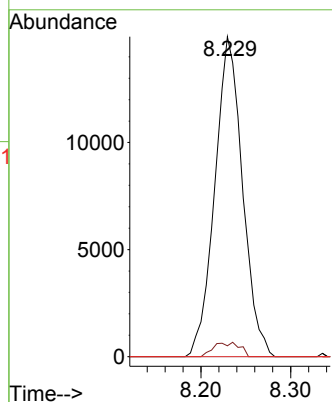
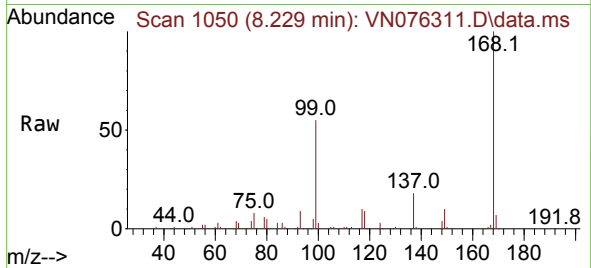




#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

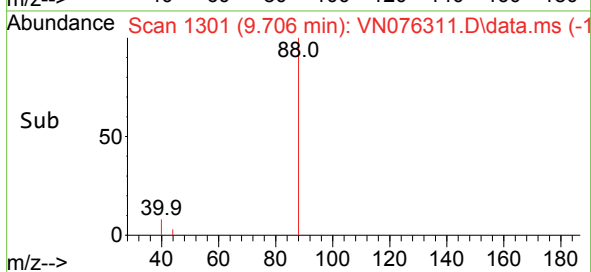
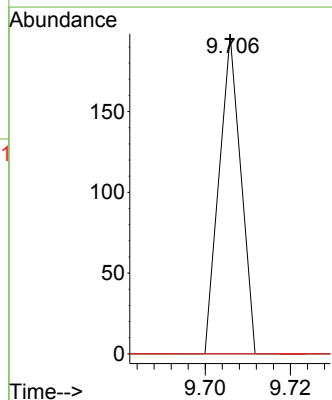
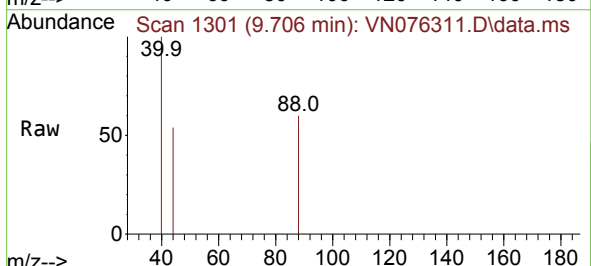
Instrument :
MSVOA_N
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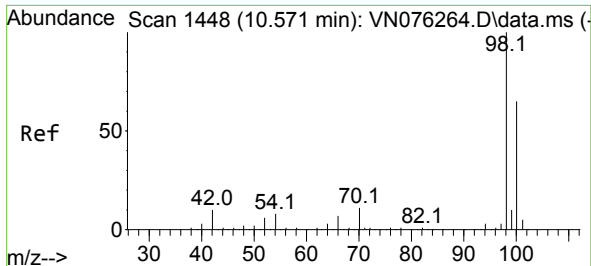
Tgt Ion:117 Resp: 32056
Ion Ratio Lower Upper
117 100
119 3.4 75.4 113.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 1.169 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 18.1 27.1#
58 0.0 46.5 69.7#

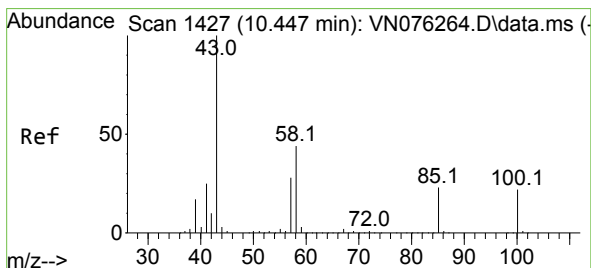
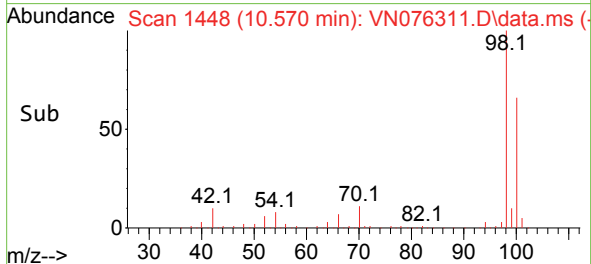
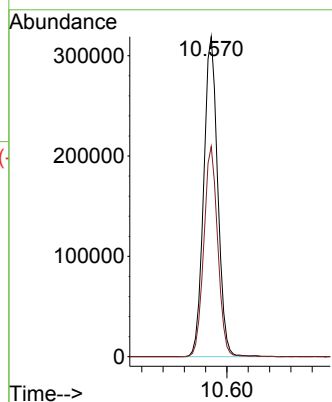
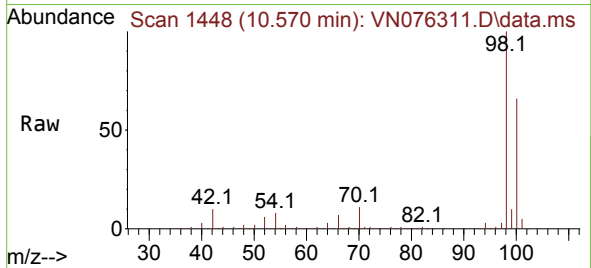




#50
Toluene-d8
Concen: 48.628 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

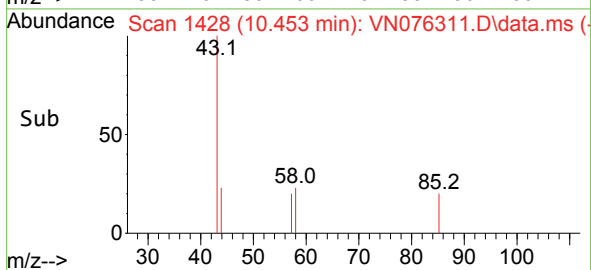
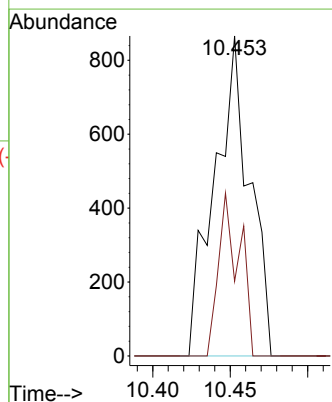
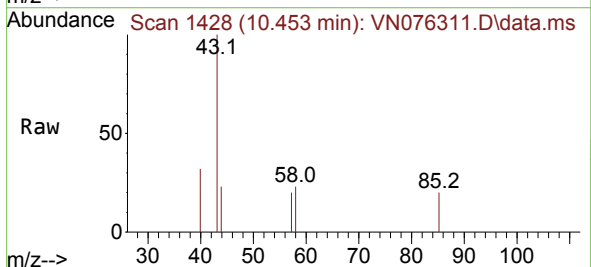
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VN0119MBL01

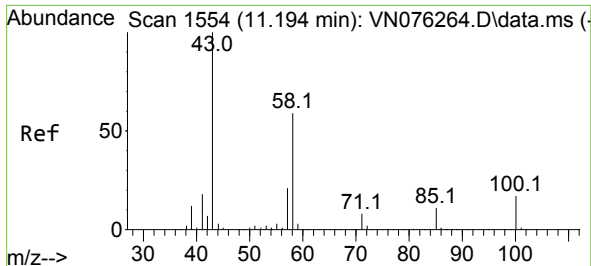
Tgt Ion: 98 Resp: 580632
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.387 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 30.7 35.1 52.7#

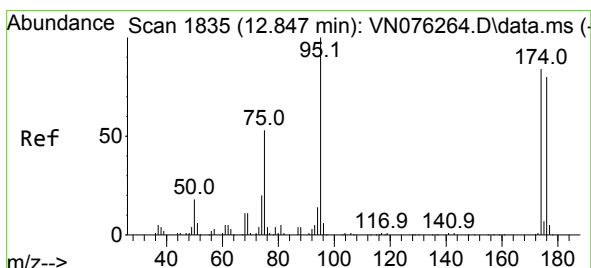
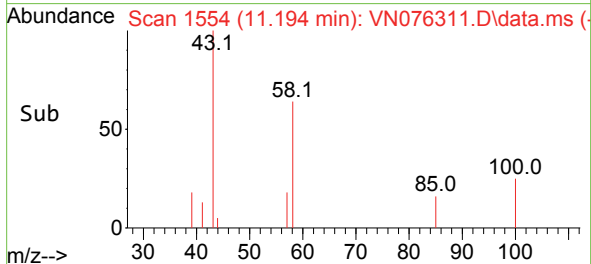
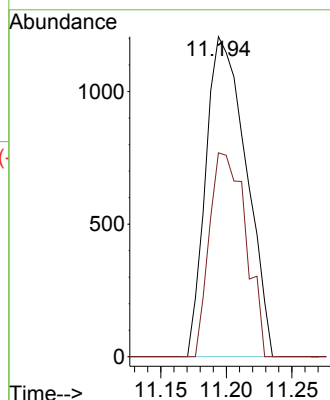
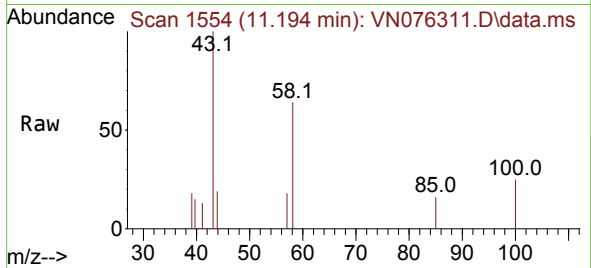




#59
2-Hexanone
Concen: 1.013 ug/l
RT: 11.194 min Scan# 11554
Delta R.T. -0.000 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

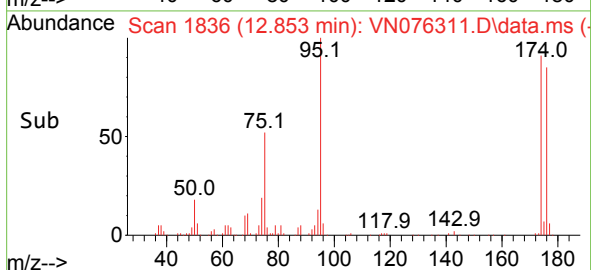
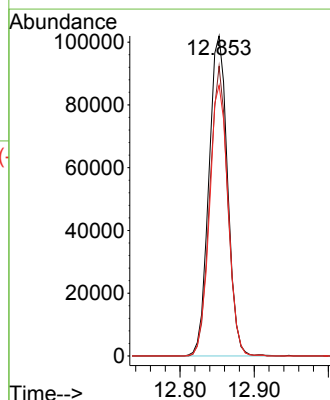
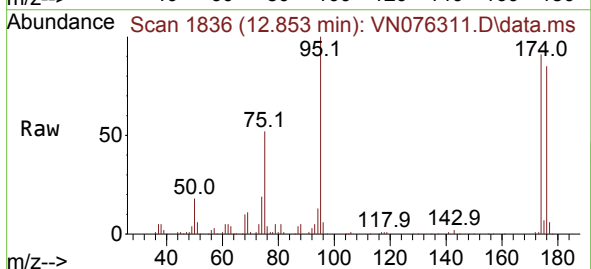
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

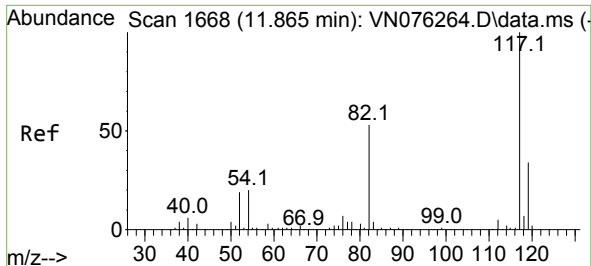
Tgt Ion: 43 Resp: 2583
Ion Ratio Lower Upper
43 100
58 57.4 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 45.789 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 95 Resp: 178484
Ion Ratio Lower Upper
95 100
174 86.5 0.0 174.6
176 84.4 0.0 167.8

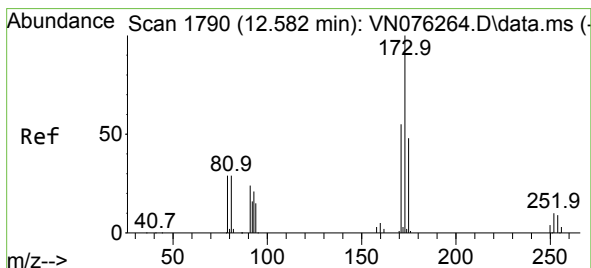
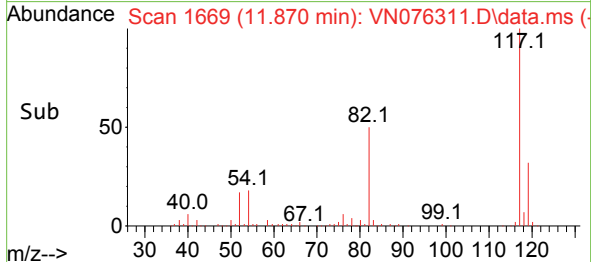
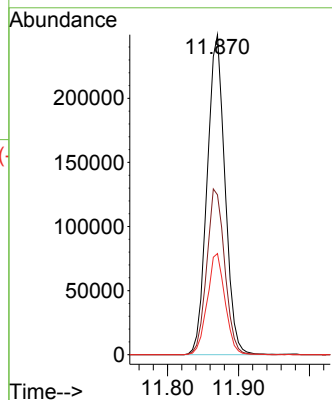
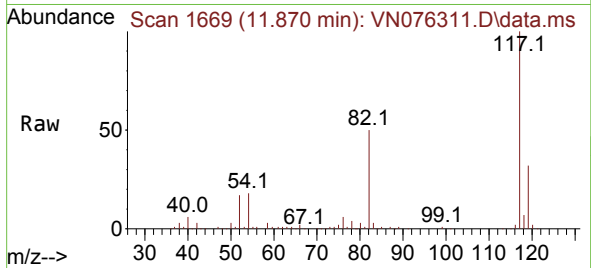




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

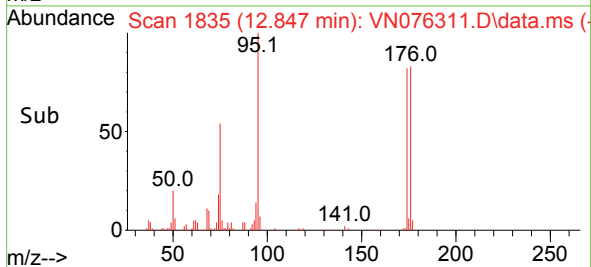
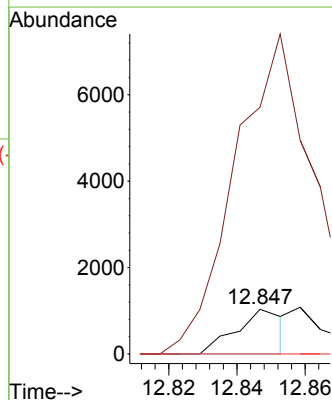
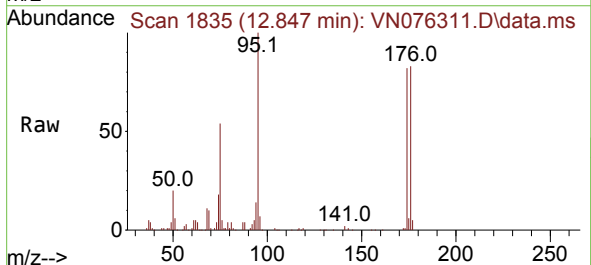
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

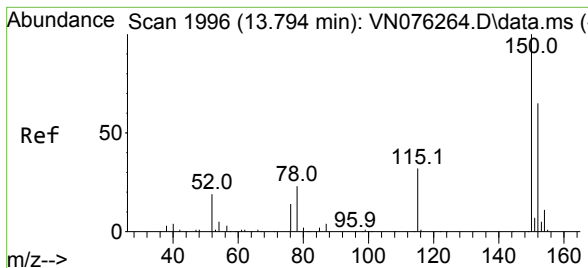
Tgt Ion:117 Resp: 435784
Ion Ratio Lower Upper
117 100
82 49.9 42.2 63.2
119 31.6 26.9 40.3



#71
Bromoform
Concen: 0.406 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion:173 Resp: 1004
Ion Ratio Lower Upper
173 100
175 959.0 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: VN076311.D

Acq: 19 Jan 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0119MBL01

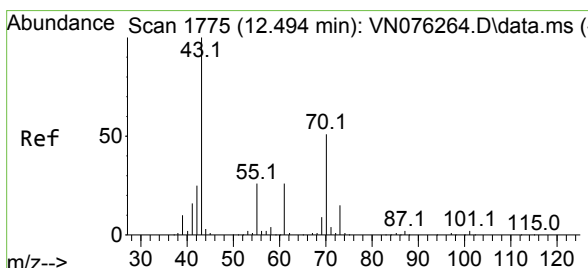
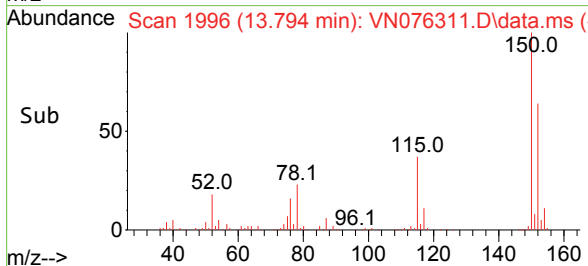
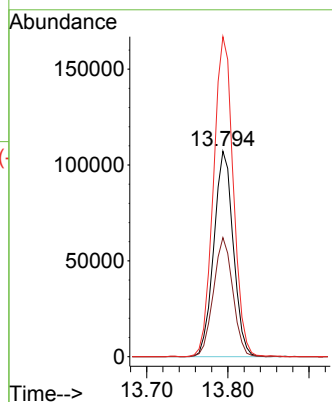
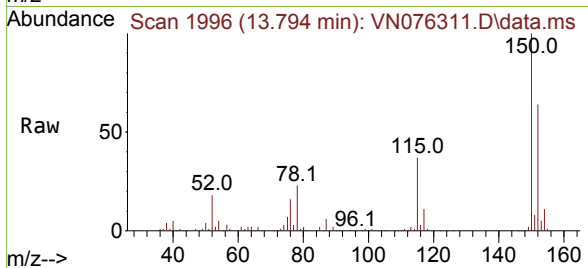
Tgt Ion:152 Resp: 178468

Ion Ratio Lower Upper

152 100

115 57.6 29.6 88.9

150 158.8 0.0 351.4



#74

N-ethyl acetate

Concen: 0.227 ug/l

RT: 12.494 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN076311.D

Acq: 19 Jan 2023 10:20

Tgt Ion: 43 Resp: 903

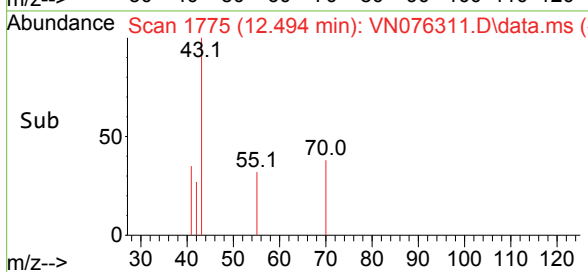
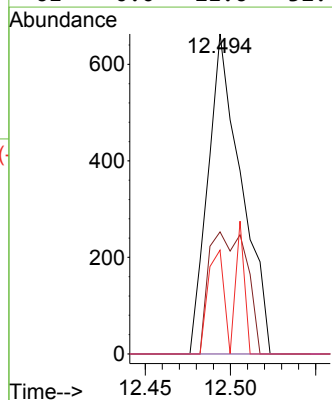
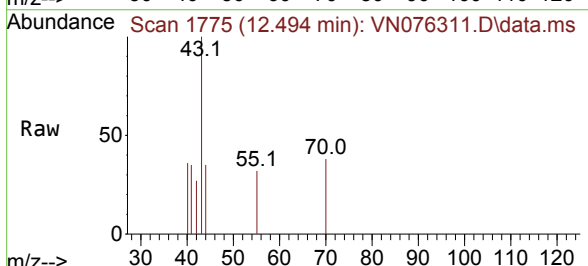
Ion Ratio Lower Upper

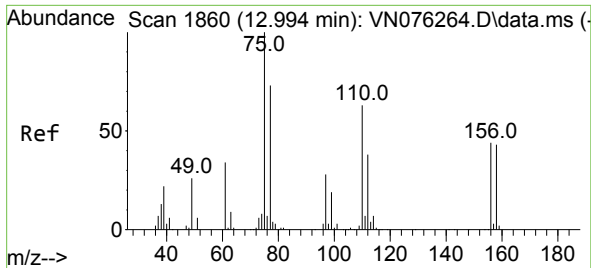
43 100

70 43.1 41.2 61.8

55 15.5 21.0 31.6#

61 0.0 21.6 32.4#

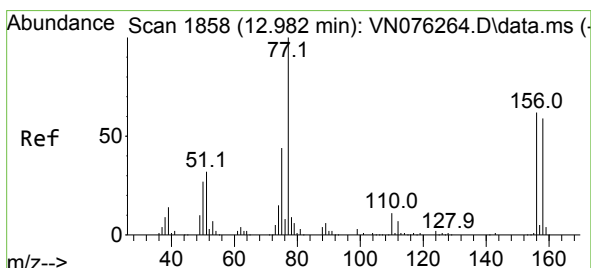
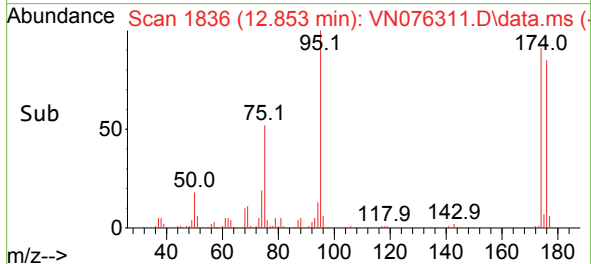
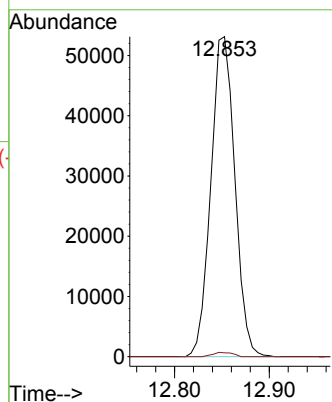
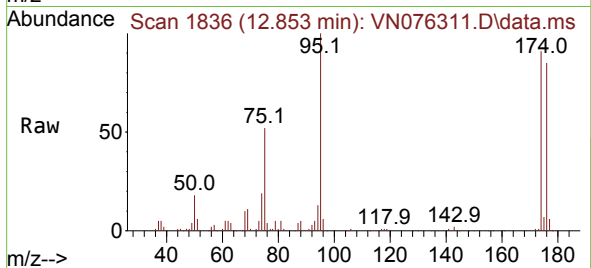




#76
1,2,3-Trichloropropane
Concen: 28.361 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

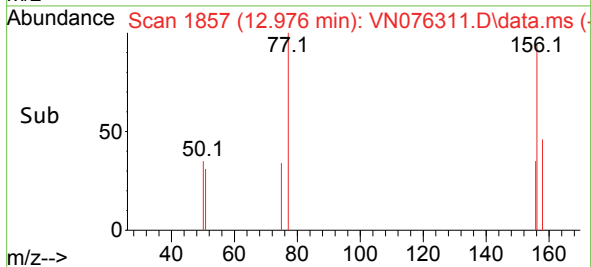
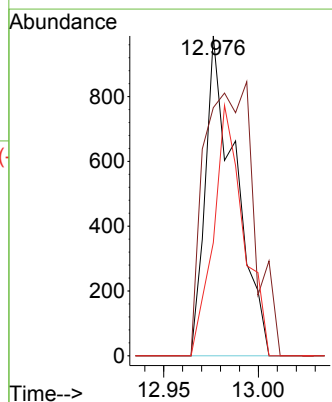
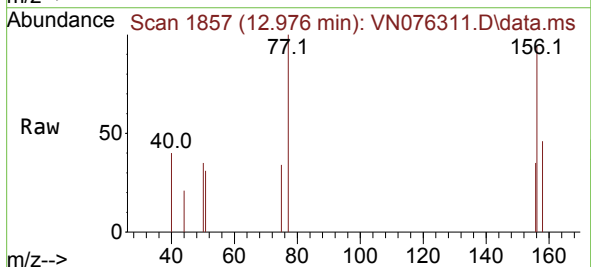
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

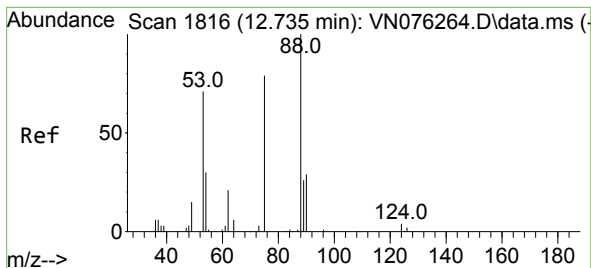
Tgt Ion: 75 Resp: 93542
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion:156 Resp: 1093
Ion Ratio Lower Upper
156 100
77 138.5 93.4 280.2
158 78.1 48.4 145.2

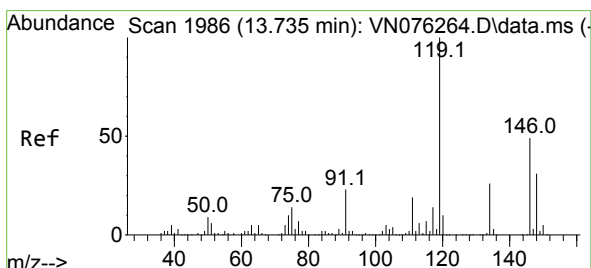
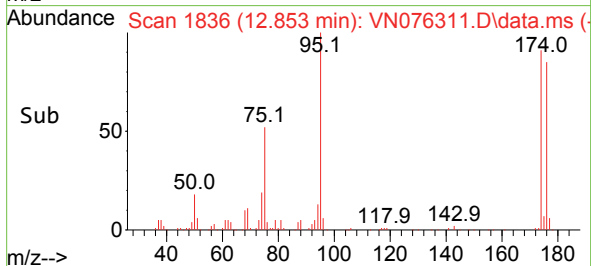
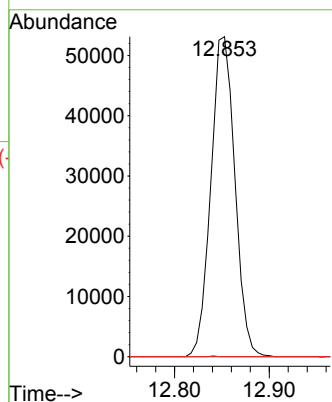
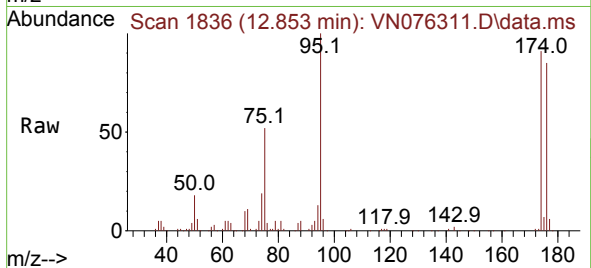




#81
trans-1,4-Dichloro-2-butene
Concen: 87.208 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

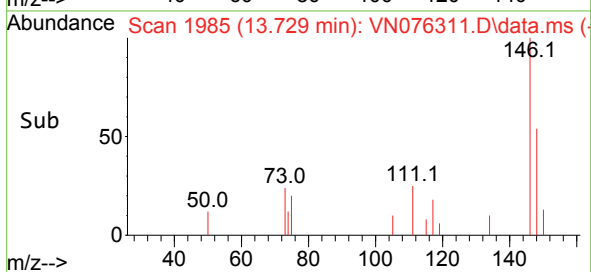
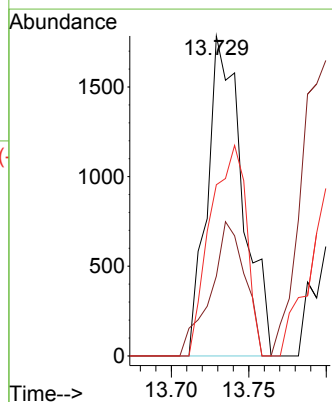
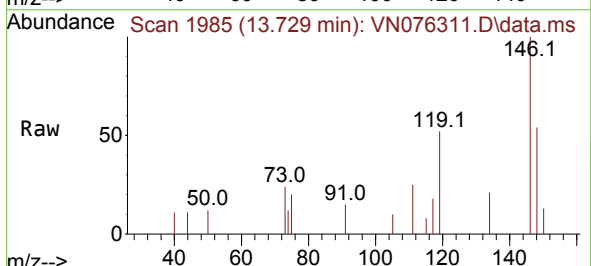
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

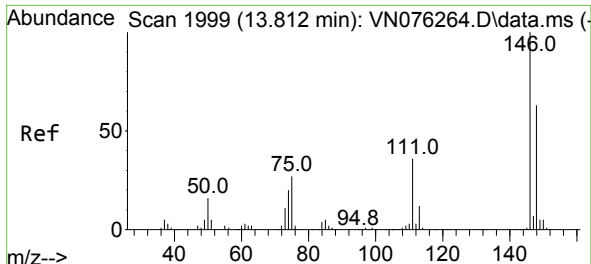
Tgt Ion: 75 Resp: 93542
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.434 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 146 Resp: 2824
Ion Ratio Lower Upper
146 100
111 41.0 19.9 59.7
148 67.4 31.6 94.8

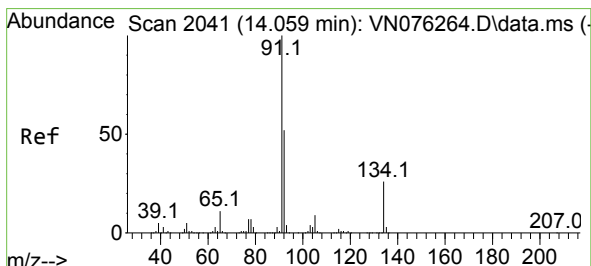
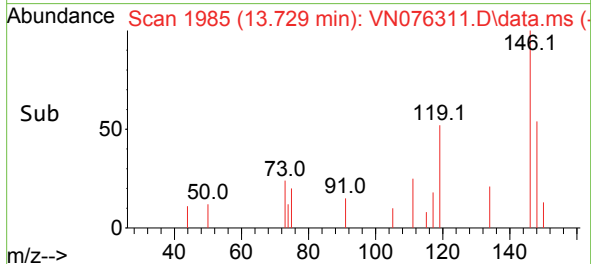
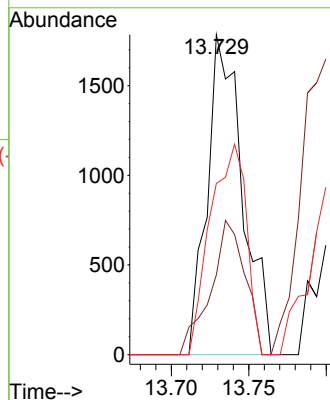
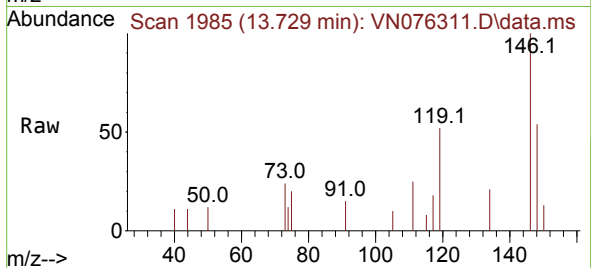




#88
1,4-Dichlorobenzene
Concen: 0.556 ug/l
RT: 13.729 min Scan# 1999
Delta R.T. -0.083 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

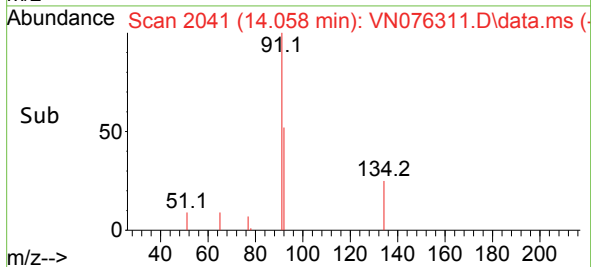
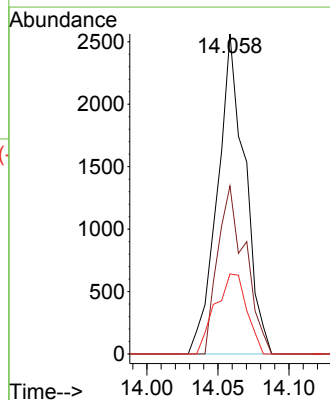
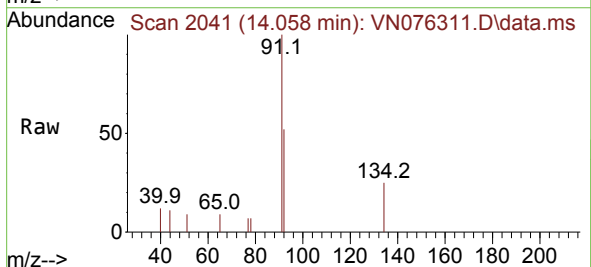
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

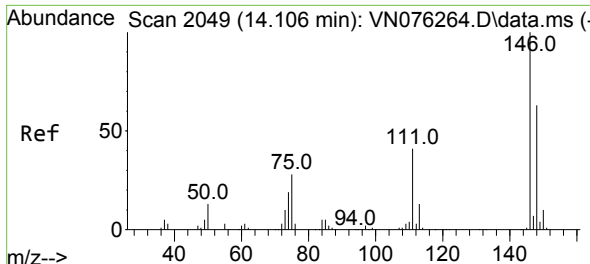
Tgt Ion:146 Resp: 2824
Ion Ratio Lower Upper
146 100
111 41.0 19.1 57.5
148 67.4 31.9 95.9



#89
n-Butylbenzene
Concen: 0.370 ug/l
RT: 14.058 min Scan# 2041
Delta R.T. -0.001 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 91 Resp: 3444
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 28.5 13.2 39.5

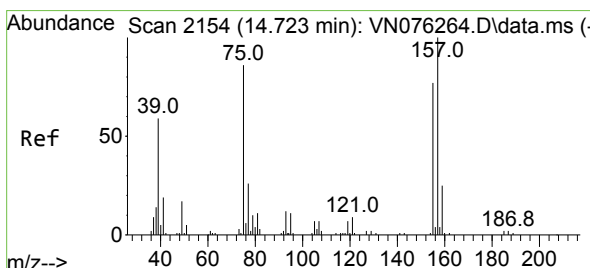
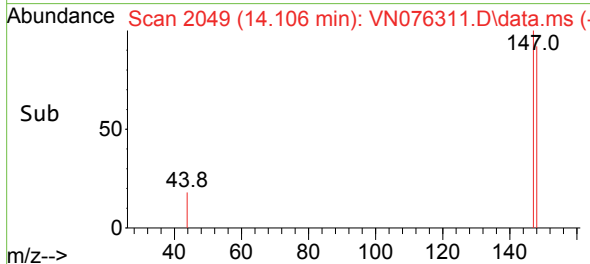
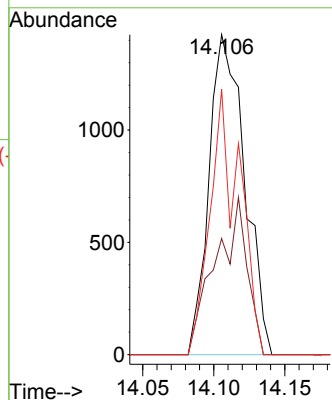
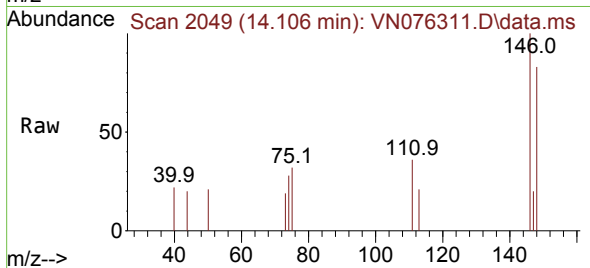




#91
1,2-Dichlorobenzene
Concen: 0.384 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

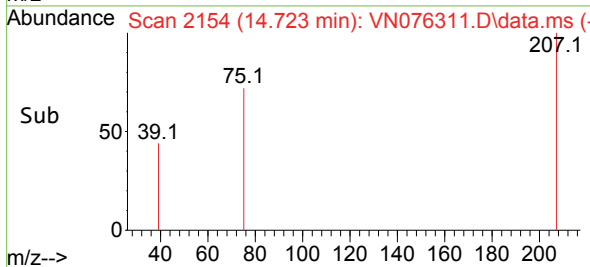
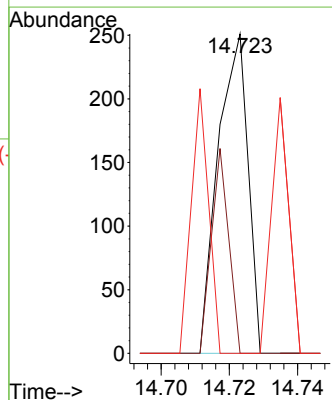
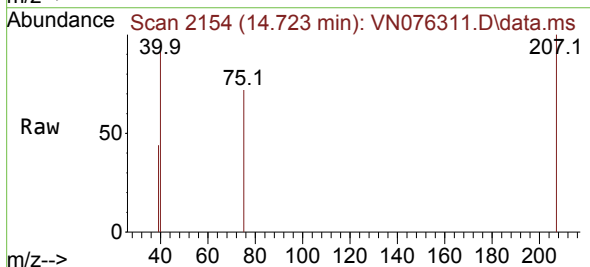
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

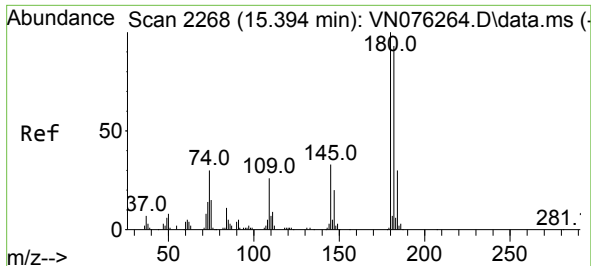
Tgt Ion:146 Resp: 2486
Ion Ratio Lower Upper
146 100
111 43.9 20.3 60.8
148 68.9 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.220 ug/l
RT: 14.723 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion: 75 Resp: 152
Ion Ratio Lower Upper
75 100
155 37.5 45.0 135.0#
157 48.0 58.3 174.9#

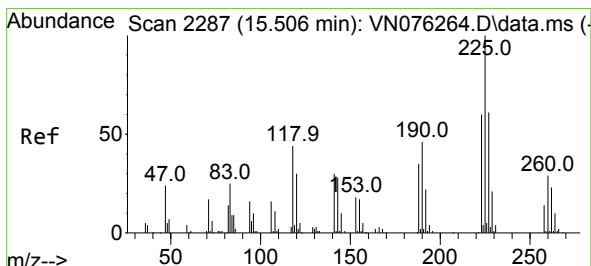
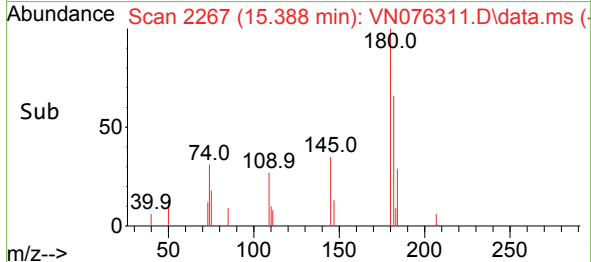
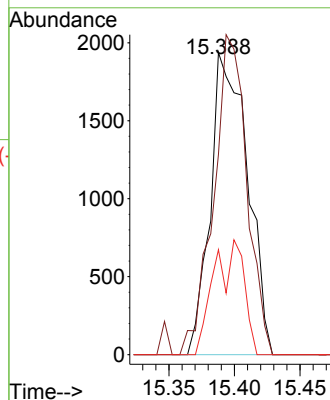
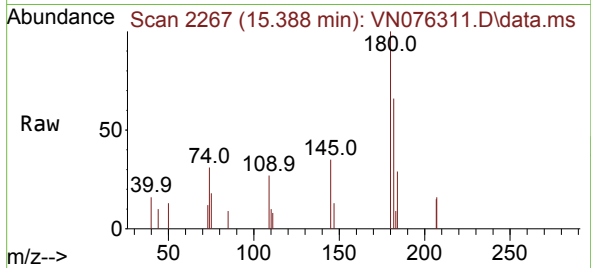




#93
1,2,4-Trichlorobenzene
Concen: 2.488 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

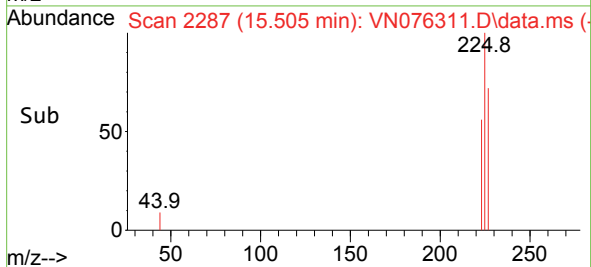
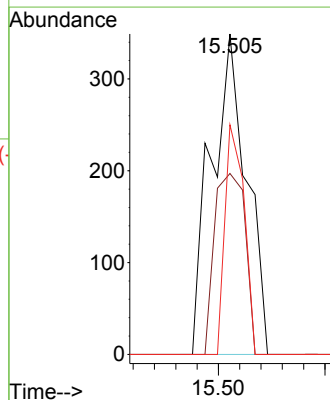
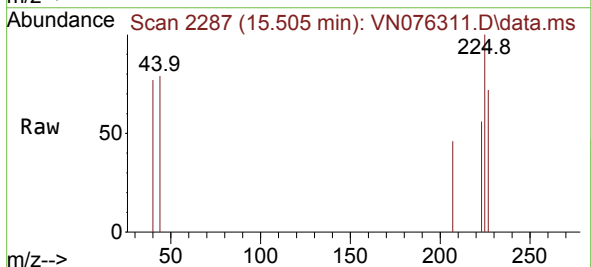
Instrument :
MSVOA_N
ClientSampleId :
VN0119MBL01

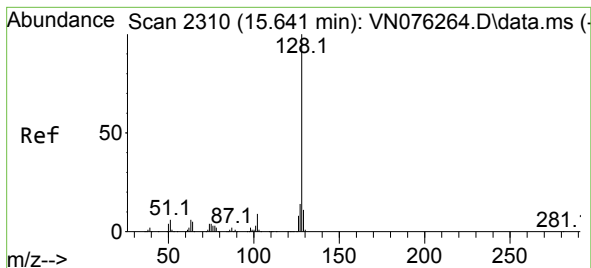
Tgt Ion:180 Resp: 3803
Ion Ratio Lower Upper
180 100
182 95.2 47.0 141.2
145 30.7 15.2 45.5



#94
Hexachlorobutadiene
Concen: 0.234 ug/l
RT: 15.505 min Scan# 2287
Delta R.T. -0.001 min
Lab File: VN076311.D
Acq: 19 Jan 2023 10:20

Tgt Ion:225 Resp: 403
Ion Ratio Lower Upper
225 100
223 48.9 30.8 92.3
227 38.7 30.9 92.8





#95

Naphthalene

Concen: 3.630 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076311.D

Acq: 19 Jan 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0119MBL01

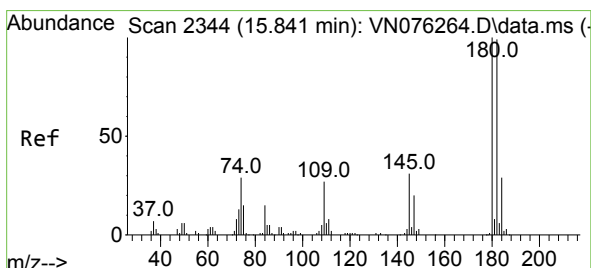
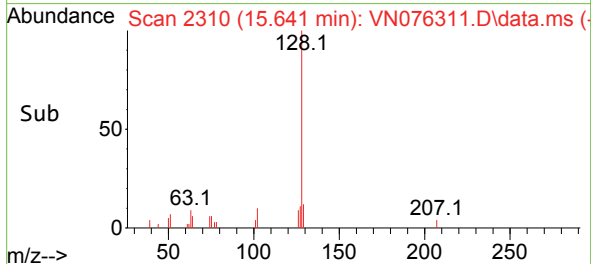
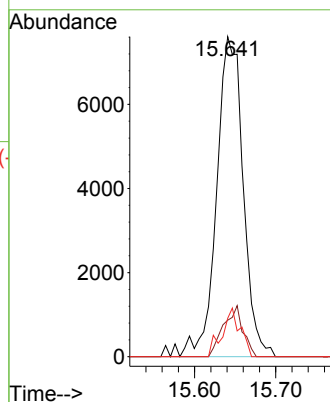
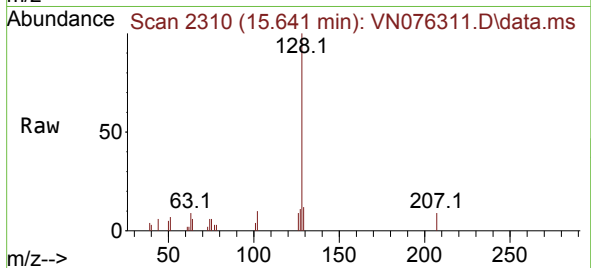
Tgt Ion:128 Resp: 17245

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

129 10.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.762 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076311.D

Acq: 19 Jan 2023 10:20

Tgt Ion:180 Resp: 4913

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.5

145 26.6 15.9 47.6

