

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076631.D
 Acq On : 13 Feb 2023 16:22
 Operator : JC\MD
 Sample : VN0213WBL01
 Misc : 5.0mL/MSVOA_N/Water
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01

Quant Time: Feb 14 05:23:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

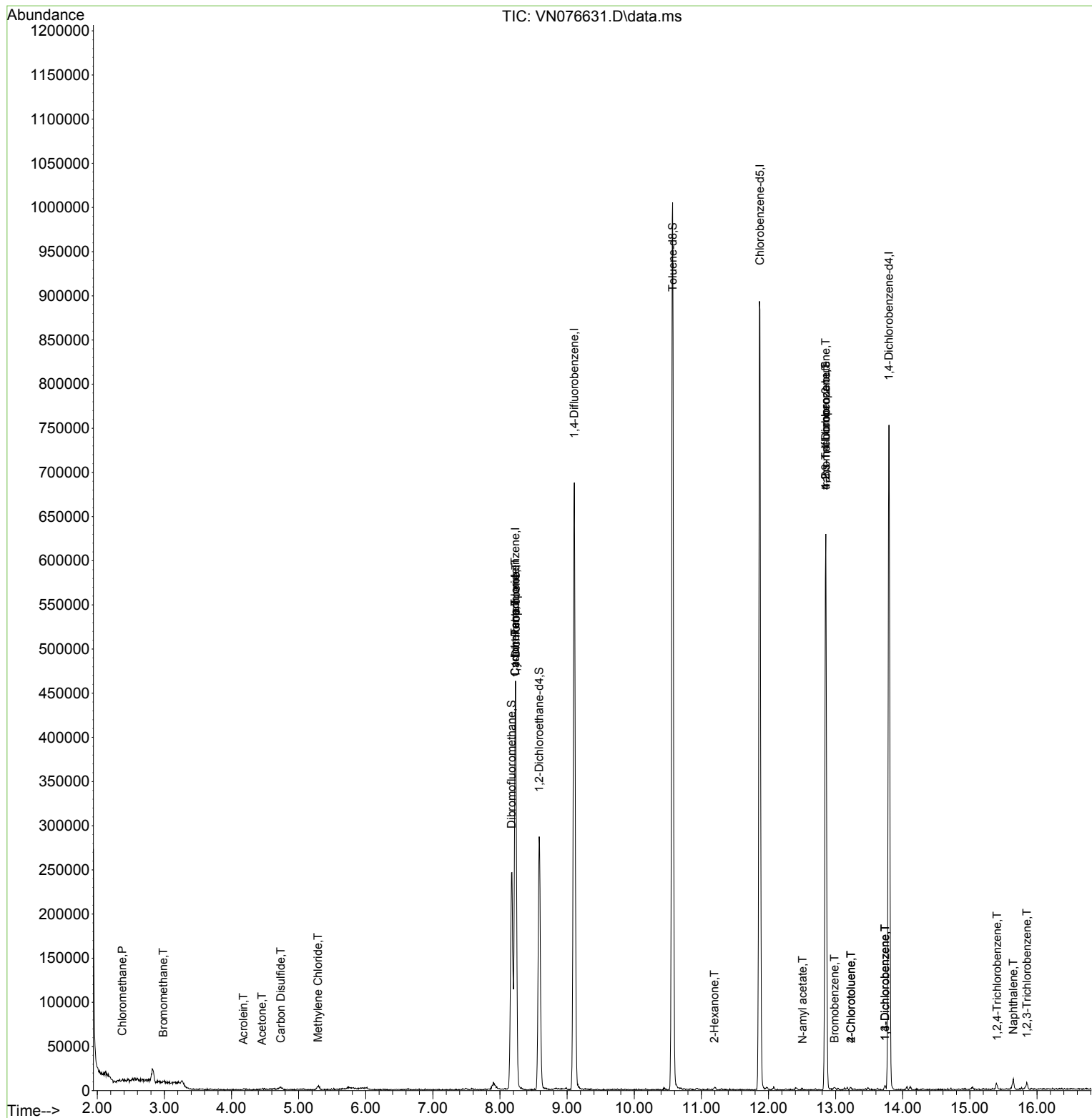
Internal Standards						
1) Pentafluorobenzene	8.231	168	326493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	573745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	508047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	202045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	222696	49.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.800%		
35) Dibromofluoromethane	8.172	113	177201	47.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.320%		
50) Toluene-d8	10.572	98	693126	49.396	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.800%		
62) 4-Bromofluorobenzene	12.854	95	203698	43.830	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.660%		
Target Compounds						Qvalue
3) Chloromethane	2.372	50	941	0.208	ug/l #	74
5) Bromomethane	2.984	94	890	0.330	ug/l	90
13) Acrolein	4.178	56	724	0.810	ug/l	97
16) Acetone	4.454	43	2145	1.065	ug/l #	42
17) Carbon Disulfide	4.737	76	3614	0.406	ug/l #	73
20) Methylene Chloride	5.290	84	1723	0.408	ug/l #	71
31) Cyclohexane	8.225	56	8208	1.161	ug/l #	47
36) 1,1-Dichloropropene	8.236	75	29115	5.363	ug/l #	52
38) Carbon Tetrachloride	8.225	117	33358	6.091	ug/l #	18
59) 2-Hexanone	11.195	43	2393	0.561	ug/l	84
74) N-amyl acetate	12.507	43	1413	0.212	ug/l #	52
76) 1,2,3-Trichloropropane	12.854	75	113742	27.845	ug/l #	1
77) Bromobenzene	12.983	156	878	0.238	ug/l	70
79) 2-Chlorotoluene	13.230	91	2138	0.201	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.854	75	113742	81.101	ug/l #	4
82) 4-Chlorotoluene	13.230	91	2138	0.201	ug/l	91
87) 1,3-Dichlorobenzene	13.736	146	2057	0.295	ug/l	89
88) 1,4-Dichlorobenzene	13.736	146	2057	0.296	ug/l	89
93) 1,2,4-Trichlorobenzene	15.407	180	2168	0.607	ug/l #	85
95) Naphthalene	15.648	128	9564	0.882	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.848	180	3138	0.907	ug/l	97

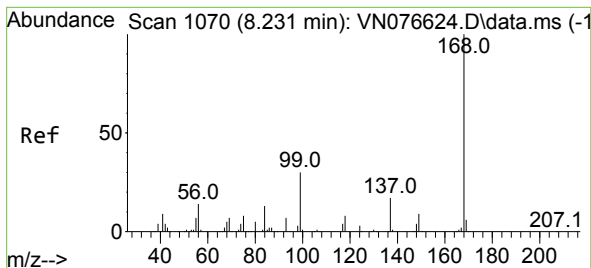
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration

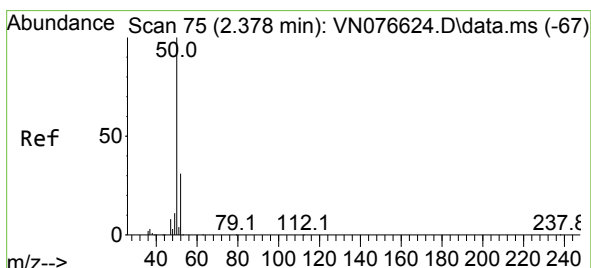
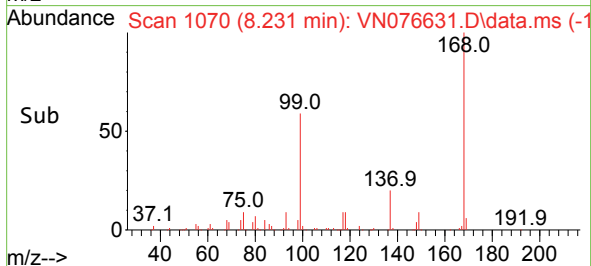
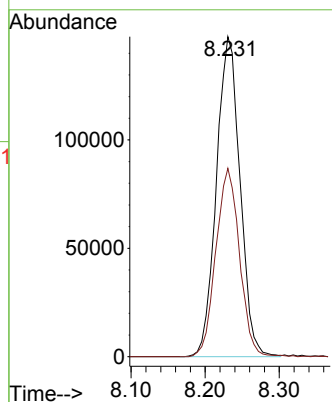
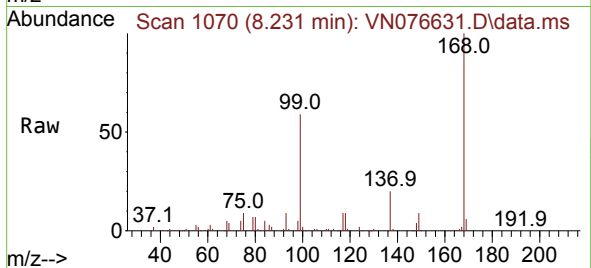




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

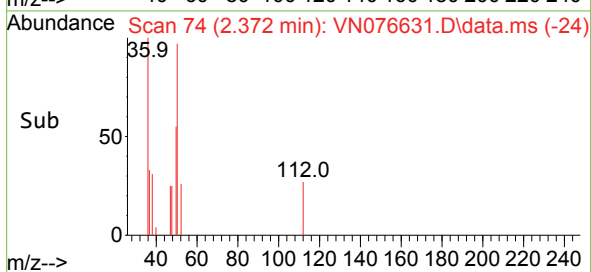
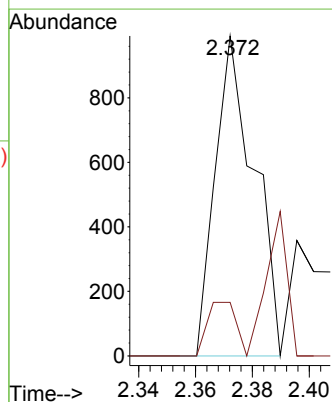
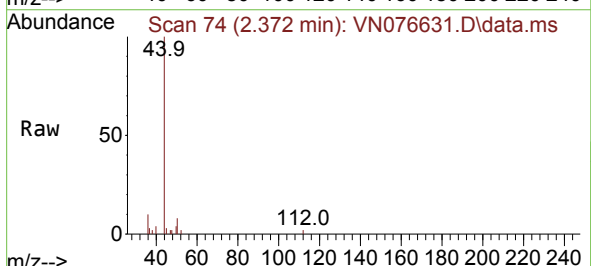
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

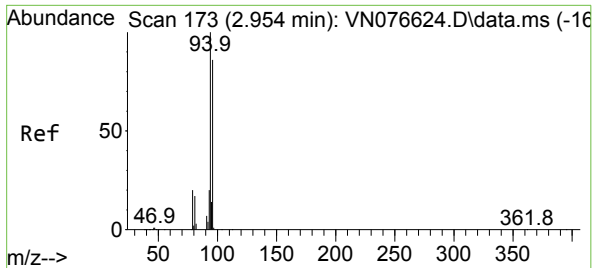
Tgt Ion:168 Resp: 326493
Ion Ratio Lower Upper
168 100
99 58.8 44.8 67.2



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion: 50 Resp: 941
Ion Ratio Lower Upper
50 100
52 16.7 24.7 37.1#

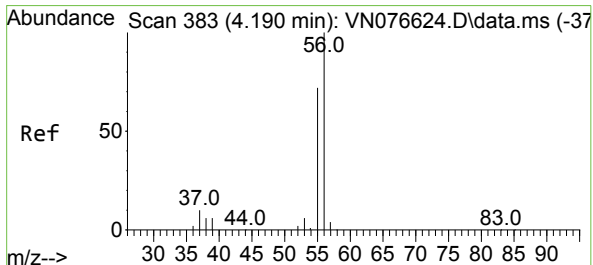
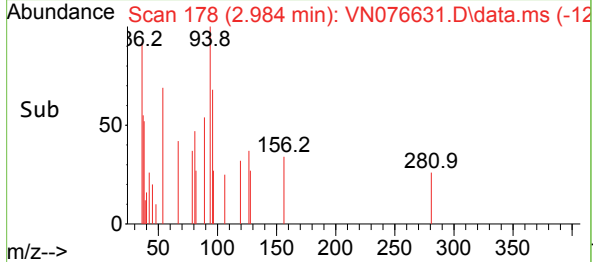
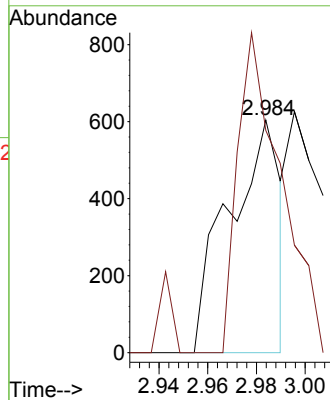
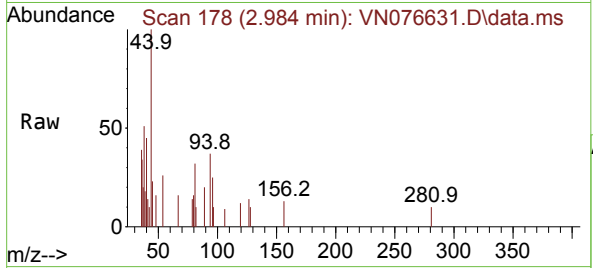




#5
Bromomethane
Concen: 0.330 ug/l
RT: 2.984 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

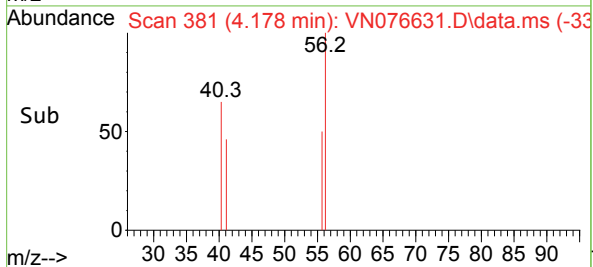
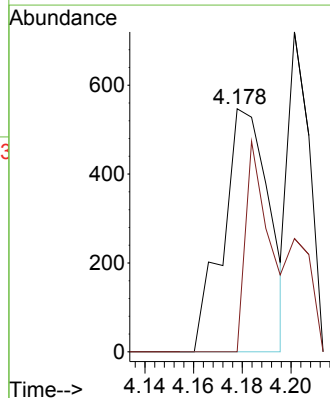
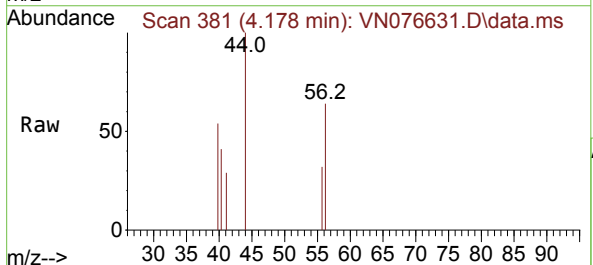
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

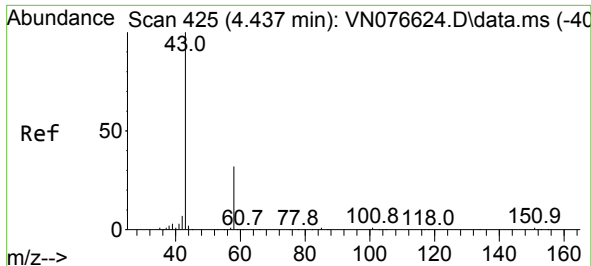
Tgt Ion: 94 Resp: 890
Ion Ratio Lower Upper
94 100
96 95.5 69.0 103.4



#13
Acrolein
Concen: 0.810 ug/l
RT: 4.178 min Scan# 381
Delta R.T. -0.012 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion: 56 Resp: 724
Ion Ratio Lower Upper
56 100
55 68.2 56.3 84.5

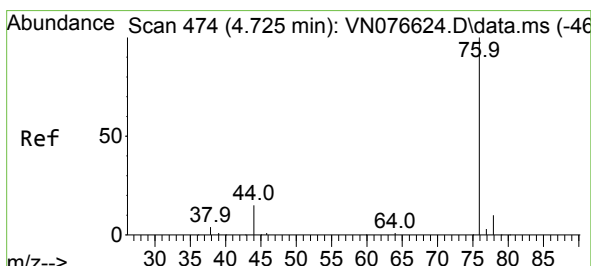
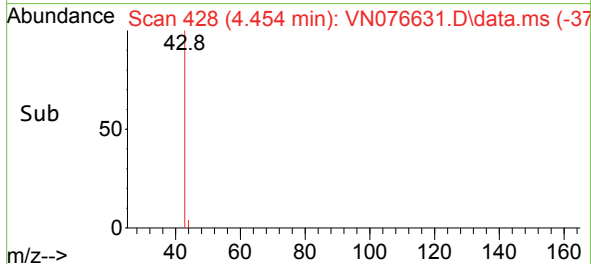
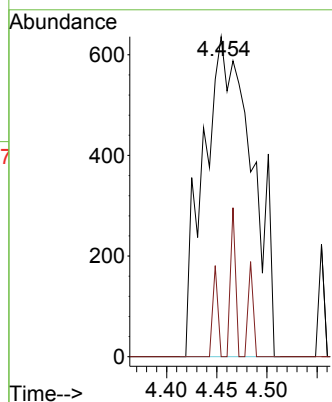
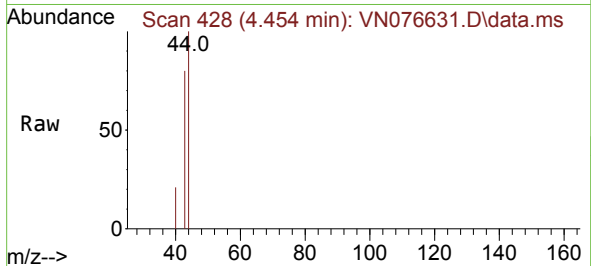




#16
Acetone
Concen: 1.065 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

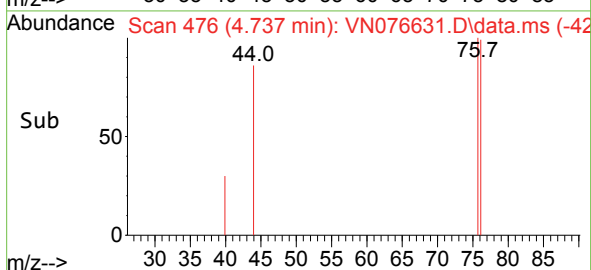
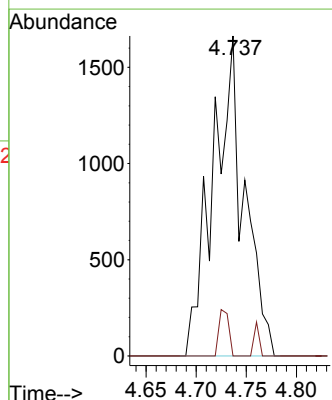
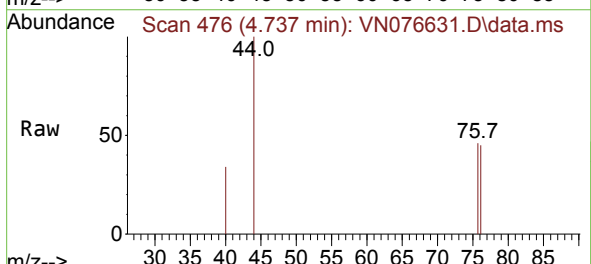
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

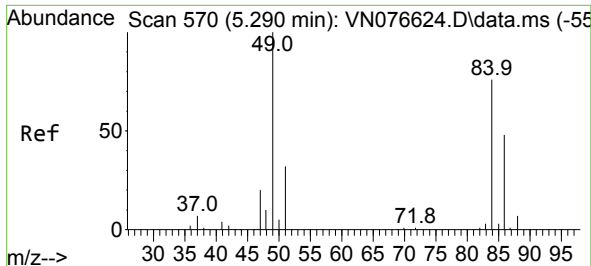
Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#17
Carbon Disulfide
Concen: 0.406 ug/l
RT: 4.737 min Scan# 476
Delta R.T. 0.012 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

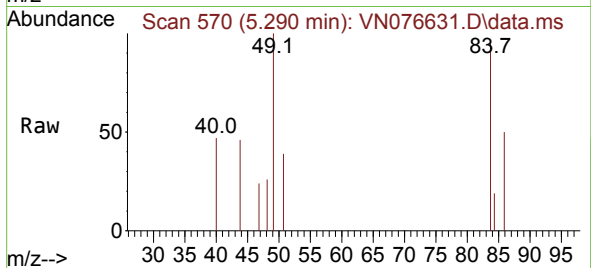
Tgt Ion: 76 Resp: 3614
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#





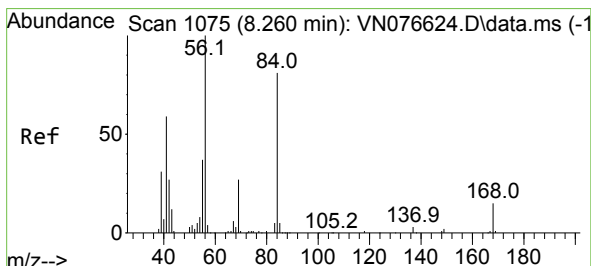
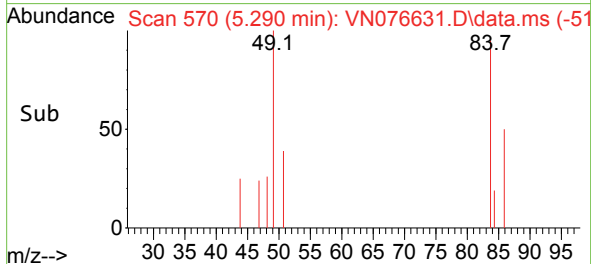
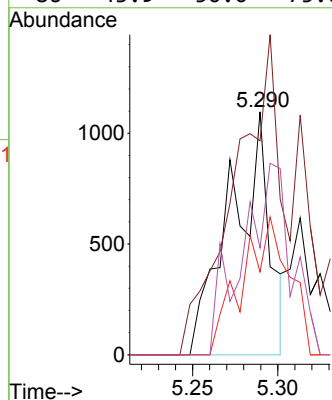
#20
Methylene Chloride
Concen: 0.408 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01



Tgt Ion: 84 Resp: 1723

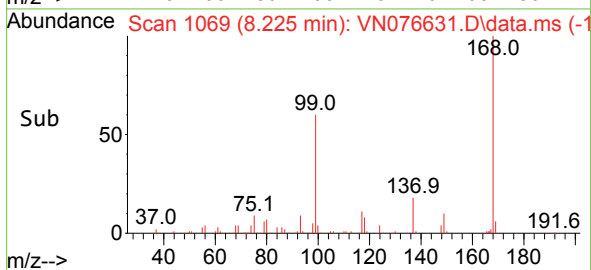
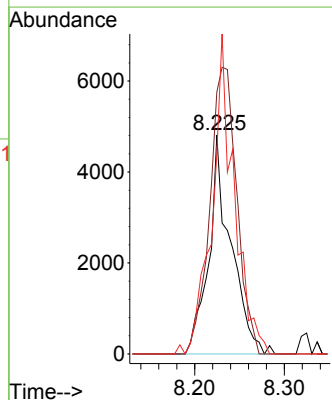
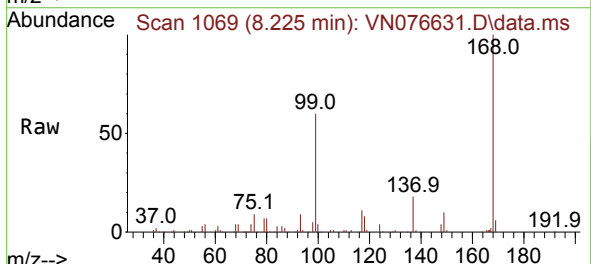
Ion	Ratio	Lower	Upper
84	100		
49	88.1	104.9	157.3#
51	34.1	33.8	50.8
86	43.9	50.0	75.0#

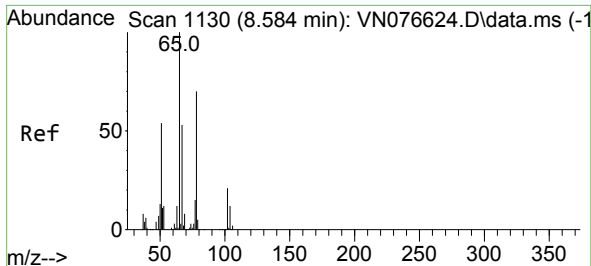


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion: 56 Resp: 8208

Ion	Ratio	Lower	Upper
56	100		
69	119.6	21.6	32.4#
84	91.6	65.1	97.7





#33

1,2-Dichloroethane-d4

Concen: 49.396 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076631.D

Acq: 13 Feb 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

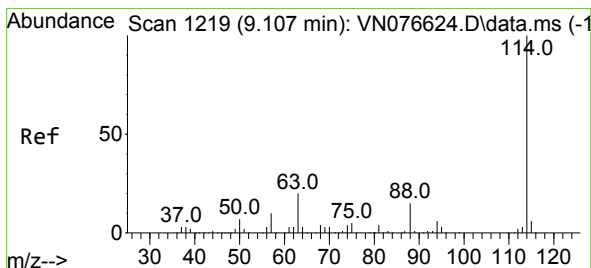
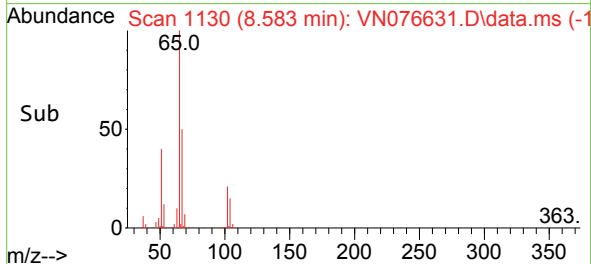
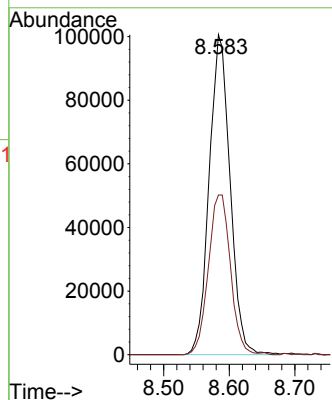
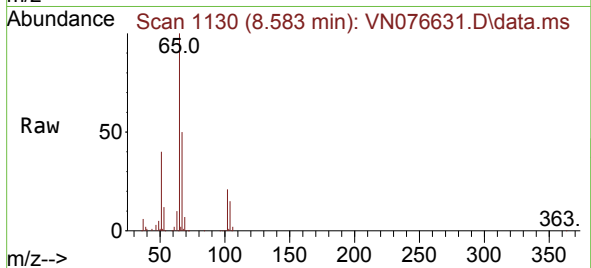
VN0213WBL01

Tgt Ion: 65 Resp: 222696

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076631.D

Acq: 13 Feb 2023 16:22

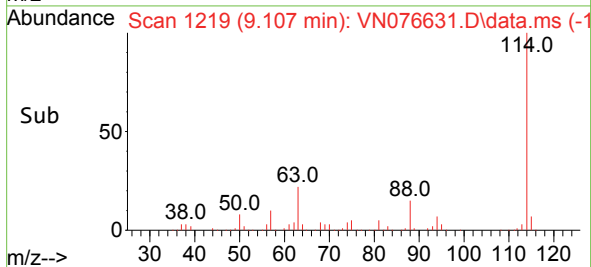
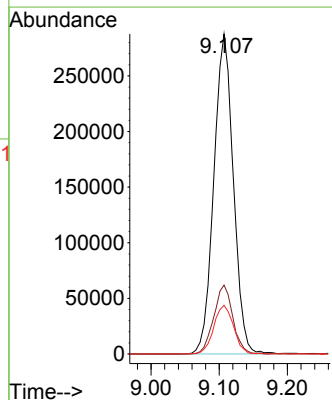
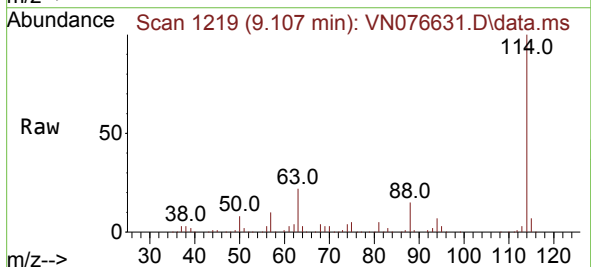
Tgt Ion: 114 Resp: 573745

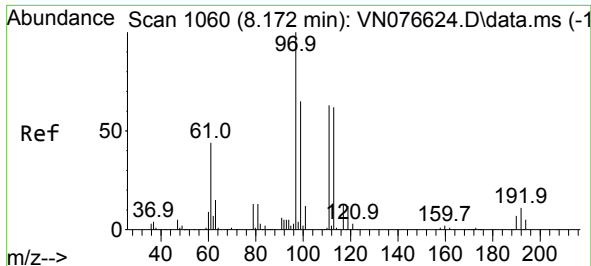
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.2 0.0 29.6

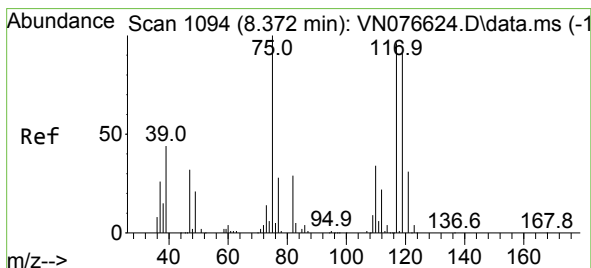
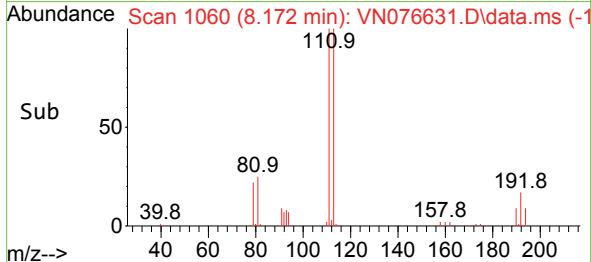
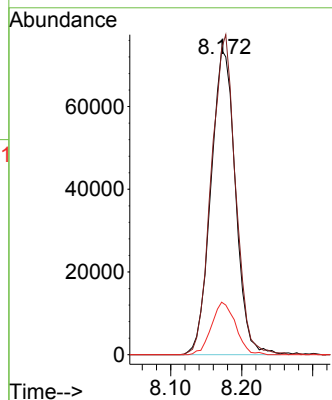
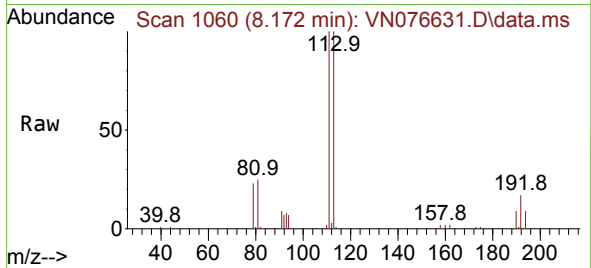




#35
 Dibromofluoromethane
 Concen: 47.161 ug/l
 RT: 8.172 min Scan# 1070
 Delta R.T. -0.000 min
 Lab File: VN076631.D
 Acq: 13 Feb 2023 16:22

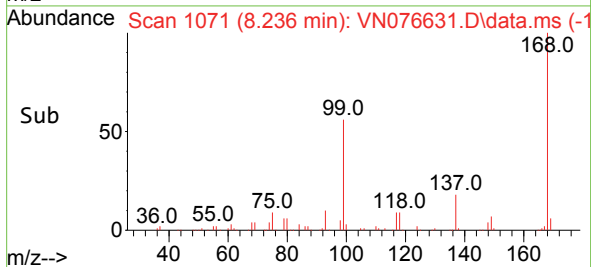
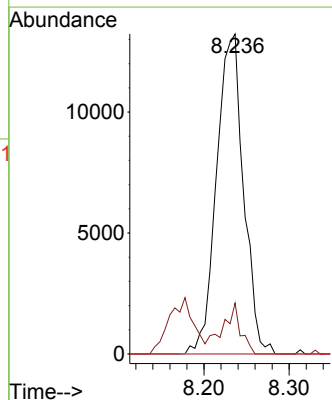
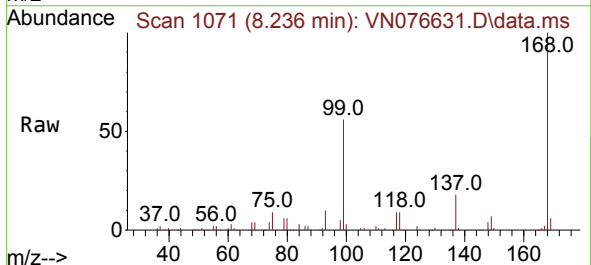
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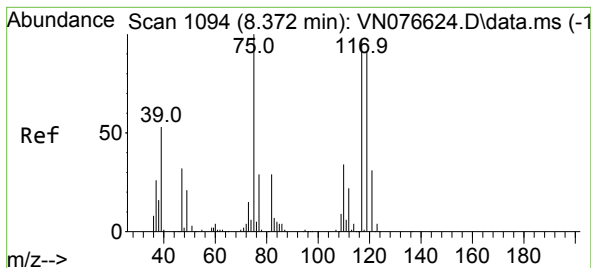
Tgt Ion:113 Resp: 177201
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.1 124.7
 192 16.9 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 5.363 ug/l
 RT: 8.236 min Scan# 1071
 Delta R.T. -0.135 min
 Lab File: VN076631.D
 Acq: 13 Feb 2023 16:22

Tgt Ion: 75 Resp: 29115
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.5 52.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.091 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.147 min

Lab File: VN076631.D

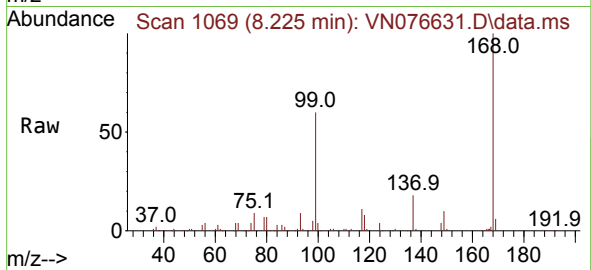
Acq: 13 Feb 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBL01



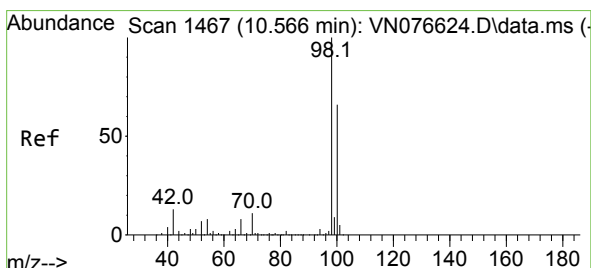
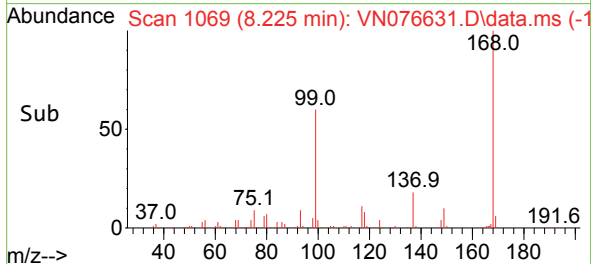
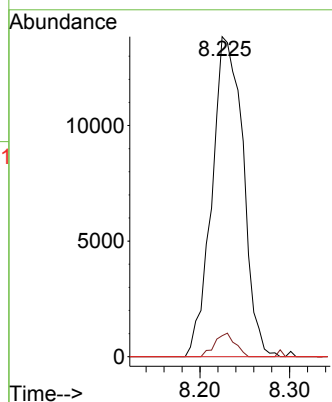
Tgt Ion:117 Resp: 33358

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.0#

121 0.0 26.0 39.0#



#50

Toluene-d8

Concen: 49.396 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076631.D

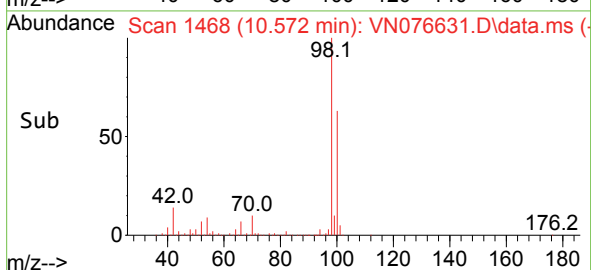
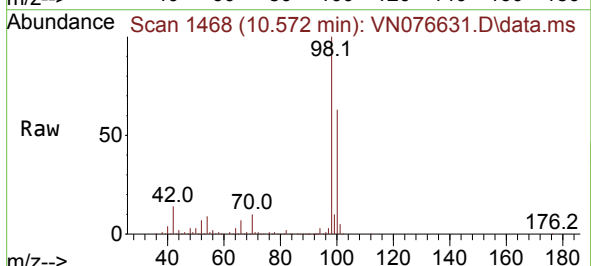
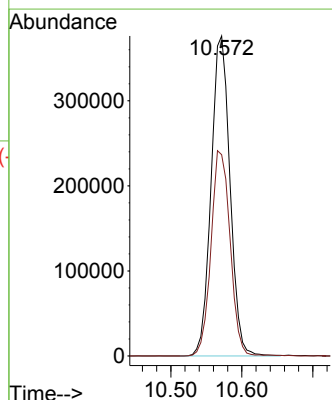
Acq: 13 Feb 2023 16:22

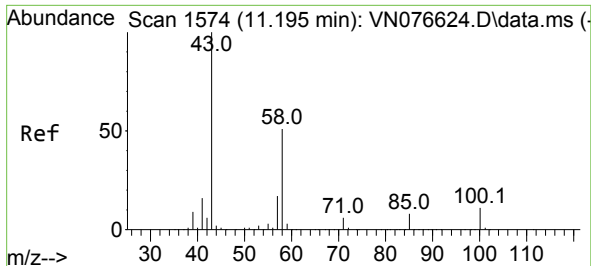
Tgt Ion: 98 Resp: 693126

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3





#59

2-Hexanone

Concen: 0.561 ug/l

RT: 11.195 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076631.D

Acq: 13 Feb 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

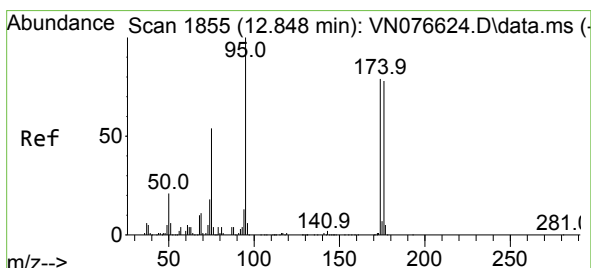
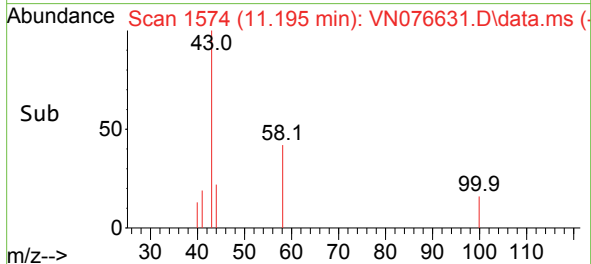
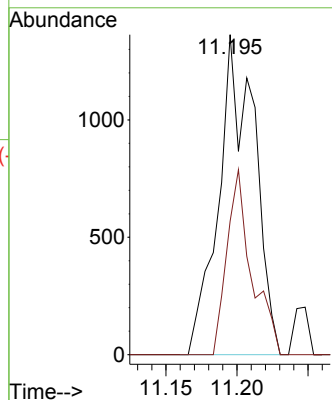
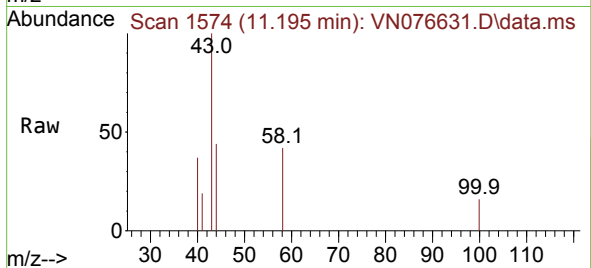
VN0213WBL01

Tgt Ion: 43 Resp: 2393

Ion Ratio Lower Upper

43 100

58 39.7 25.4 76.0



#62

4-Bromofluorobenzene

Concen: 43.830 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN076631.D

Acq: 13 Feb 2023 16:22

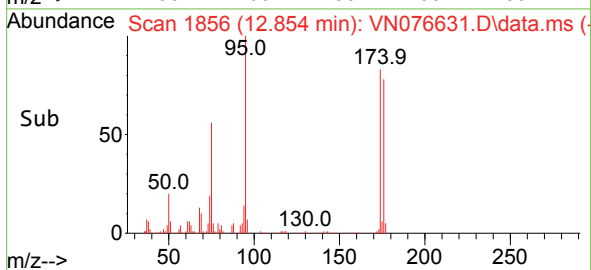
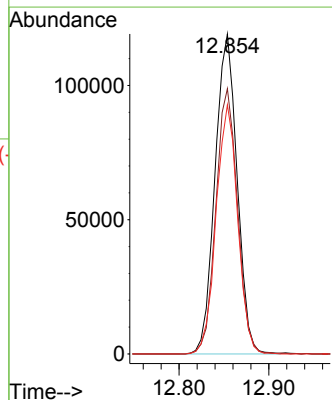
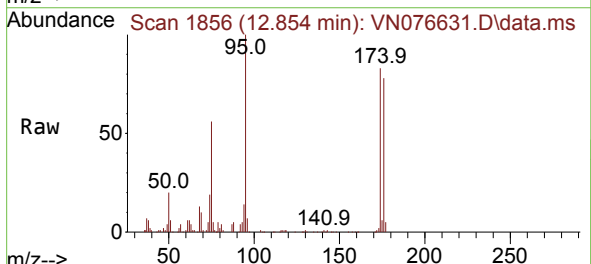
Tgt Ion: 95 Resp: 203698

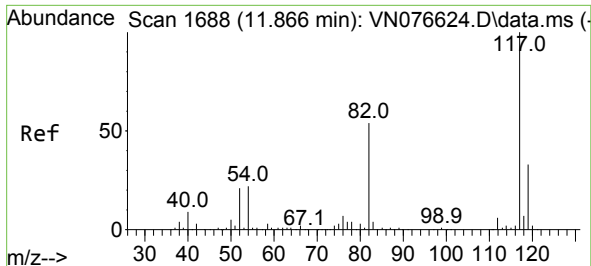
Ion Ratio Lower Upper

95 100

174 81.2 0.0 169.2

176 75.9 0.0 163.4

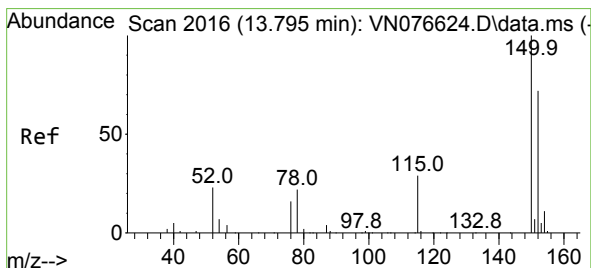
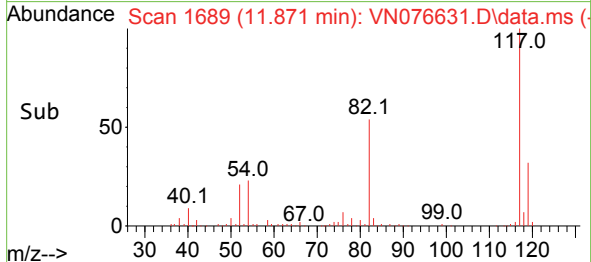
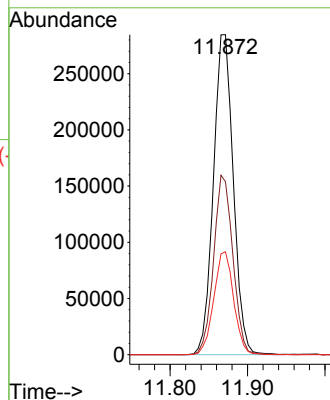
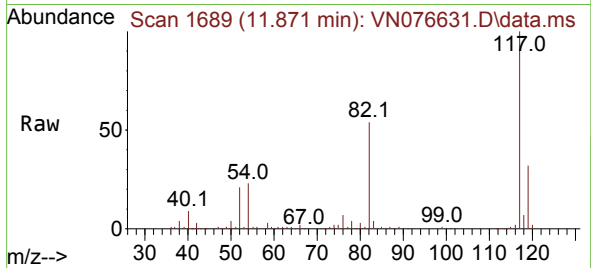




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

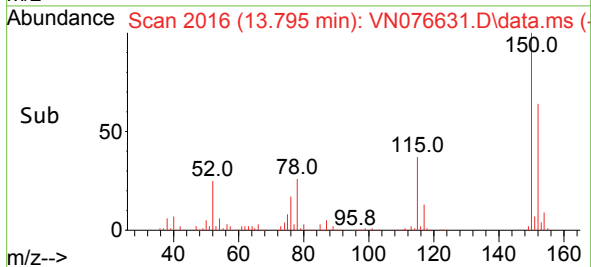
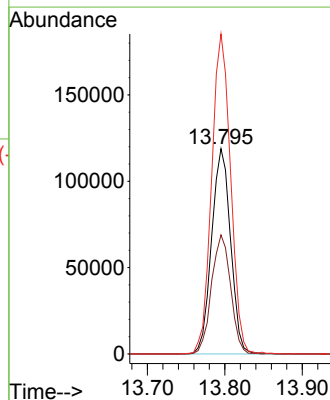
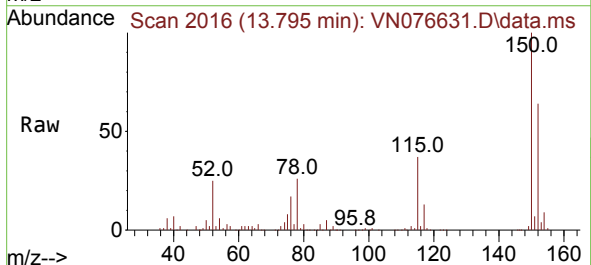
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

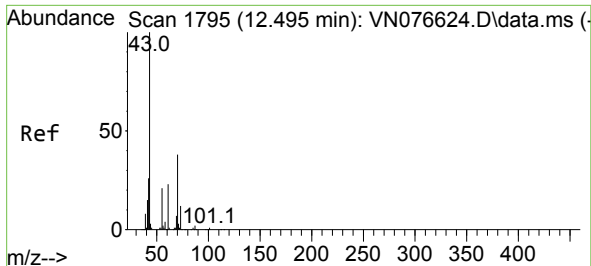
Tgt Ion:117 Resp: 508047
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.2
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion:152 Resp: 202045
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.9
150 156.1 0.0 349.8

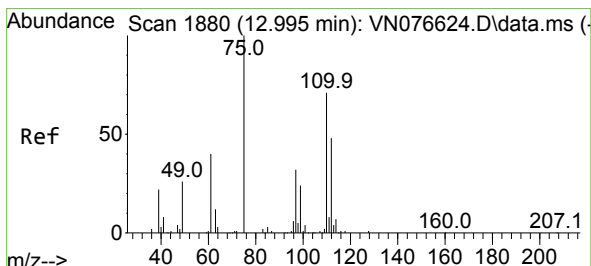
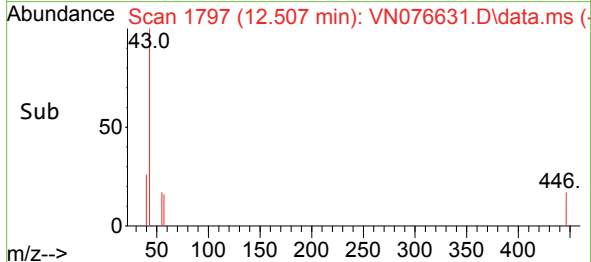
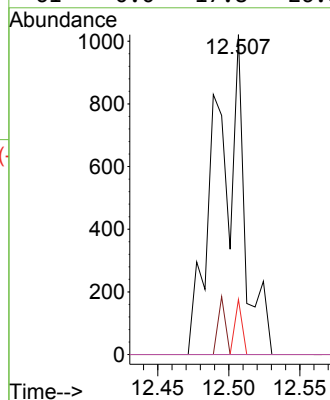
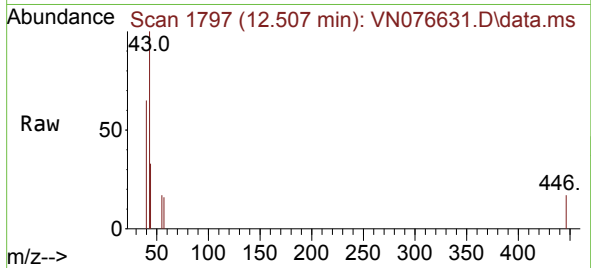




#74
N-amy1 acetate
Concen: 0.212 ug/l
RT: 12.507 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

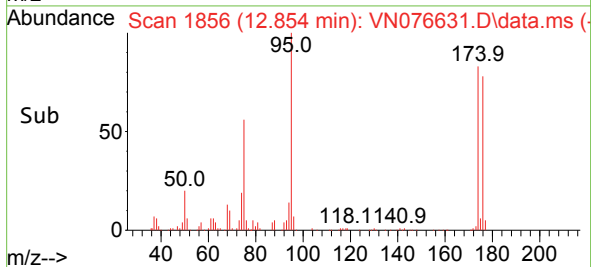
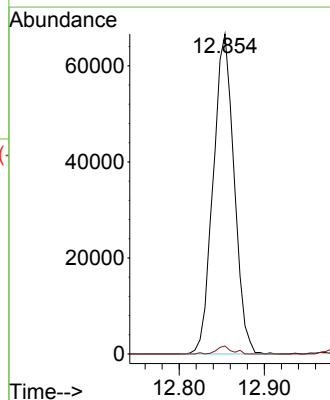
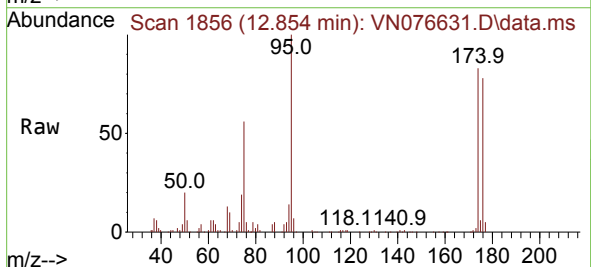
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

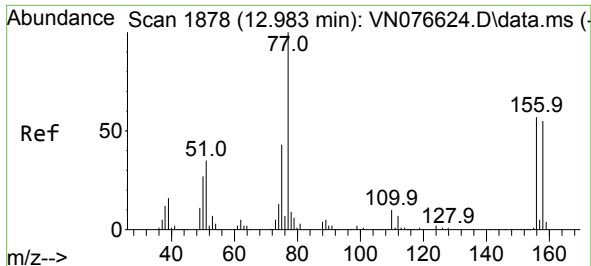
Tgt Ion: 43	Resp: 1413
Ion Ratio	Lower Upper
43	100
70	4.6 30.5 45.7#
55	4.4 17.8 26.8#
61	0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 27.845 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion: 75	Resp: 113742
Ion Ratio	Lower Upper
75	100
77	1.8 93.1 279.3#

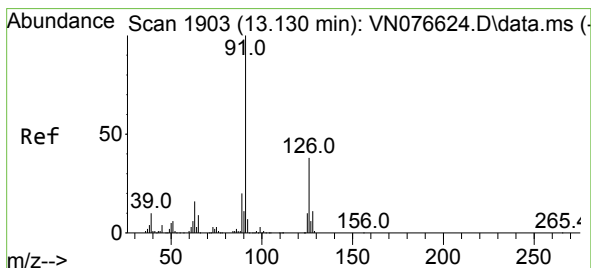
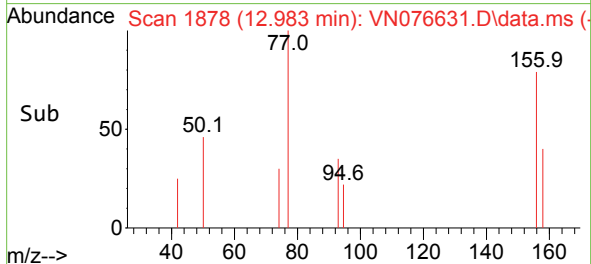
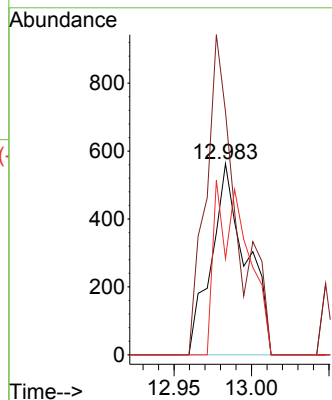
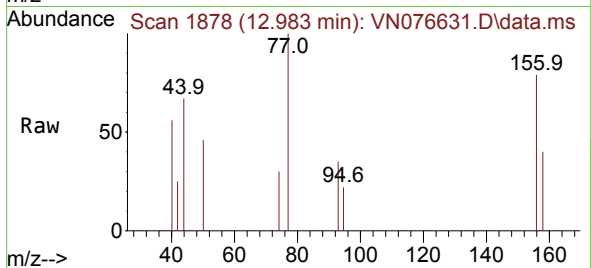




#77
Bromobenzene
Concen: 0.238 ug/l
RT: 12.983 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

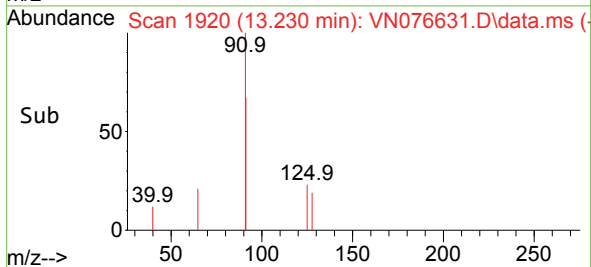
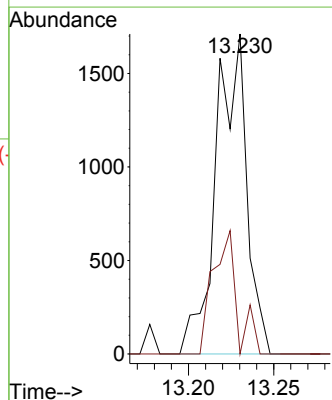
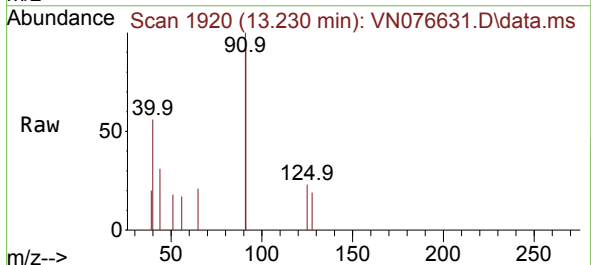
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

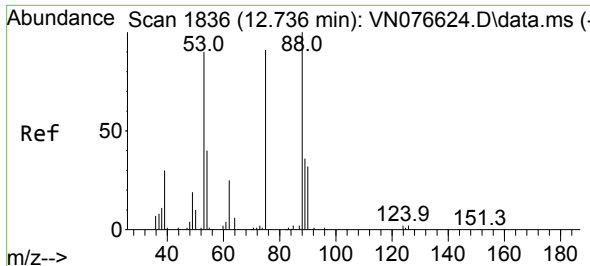
Tgt Ion:156 Resp: 878
Ion Ratio Lower Upper
156 100
77 147.7 102.8 308.4
158 83.9 48.9 146.6



#79
2-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.230 min Scan# 1920
Delta R.T. 0.100 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion: 91 Resp: 2138
Ion Ratio Lower Upper
91 100
126 30.4 17.7 53.1

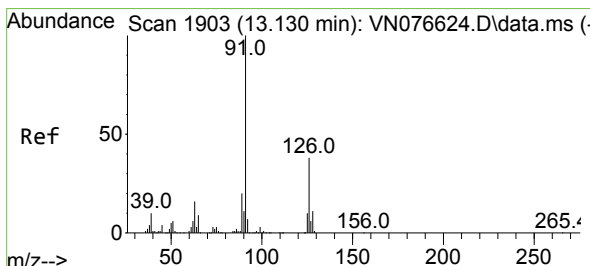
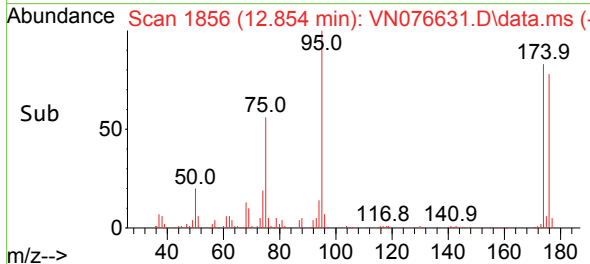
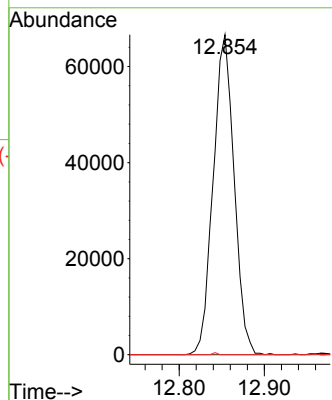
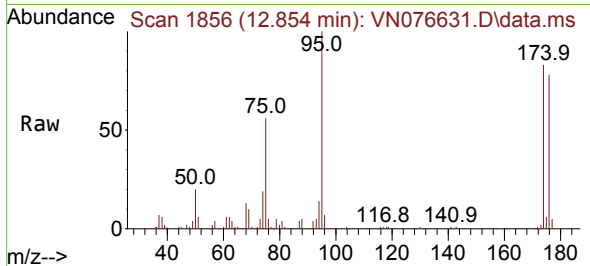




#81
trans-1,4-Dichloro-2-butene
Concen: 81.101 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

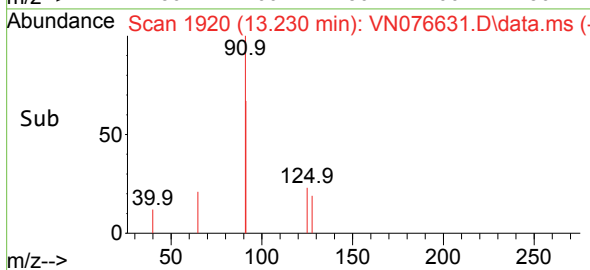
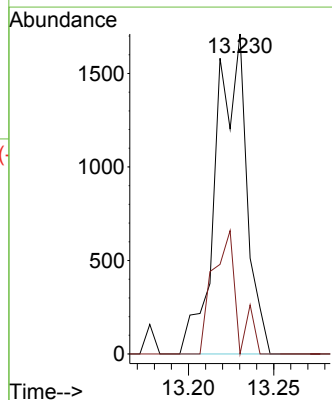
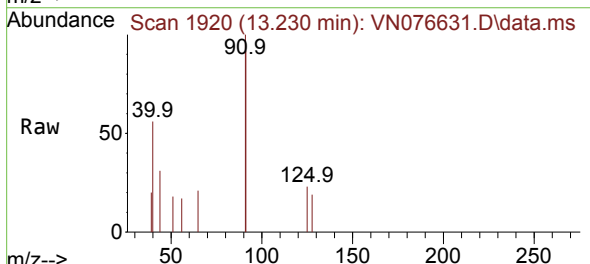
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

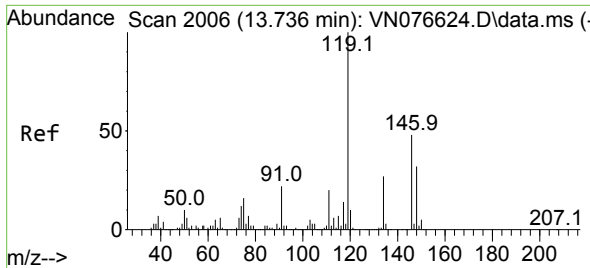
Tgt Ion: 75 Resp: 113742
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.1 37.5 56.3#



#82
4-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.230 min Scan# 1920
Delta R.T. 0.100 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion: 91 Resp: 2138
Ion Ratio Lower Upper
91 100
126 30.4 17.7 53.1

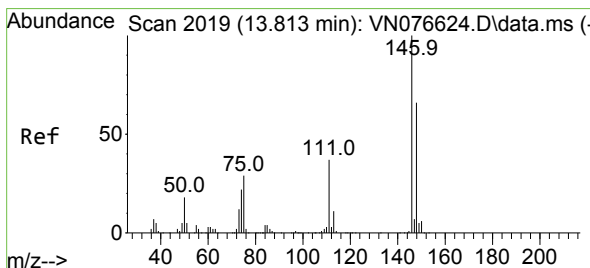
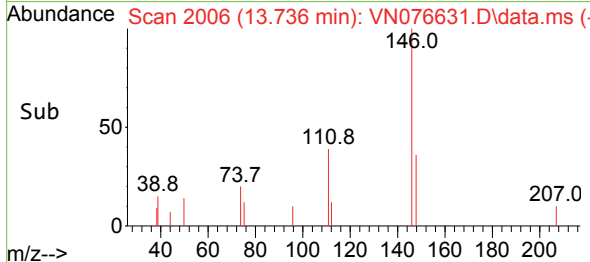
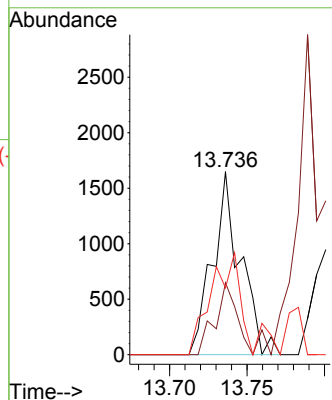
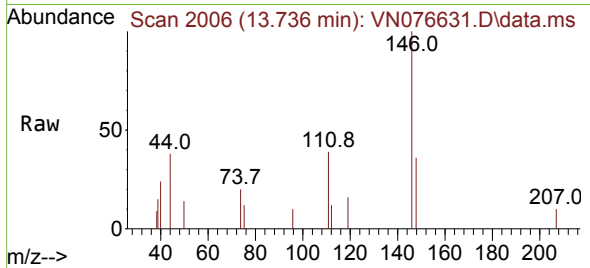




#87
1,3-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

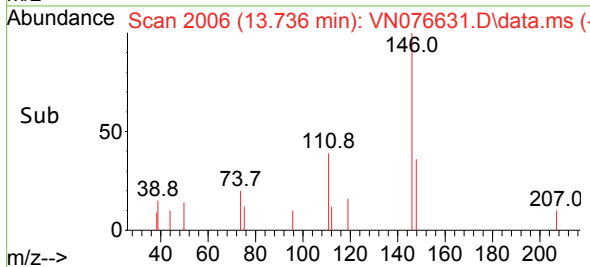
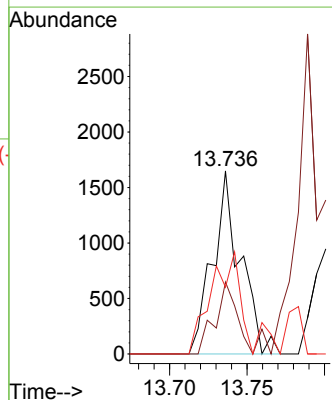
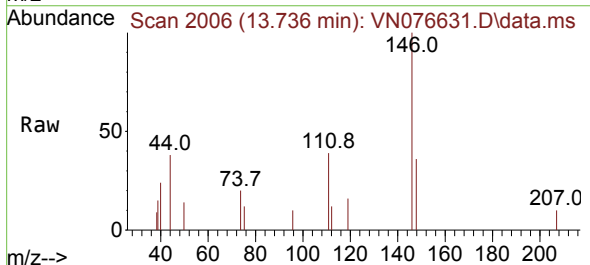
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

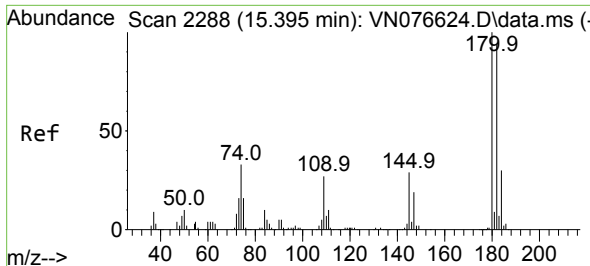
Tgt Ion:146 Resp: 2057
Ion Ratio Lower Upper
146 100
111 30.5 19.8 59.4
148 57.3 32.0 96.2



#88
1,4-Dichlorobenzene
Concen: 0.296 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.077 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

Tgt Ion:146 Resp: 2057
Ion Ratio Lower Upper
146 100
111 30.5 19.4 58.1
148 57.3 32.7 98.1

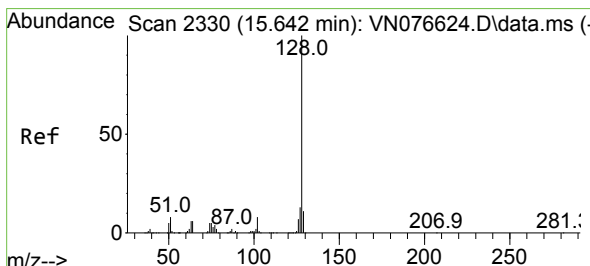
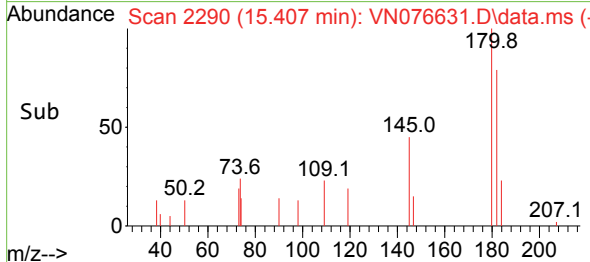
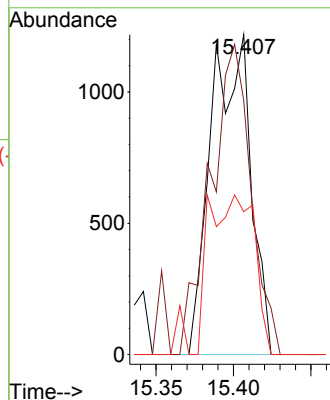
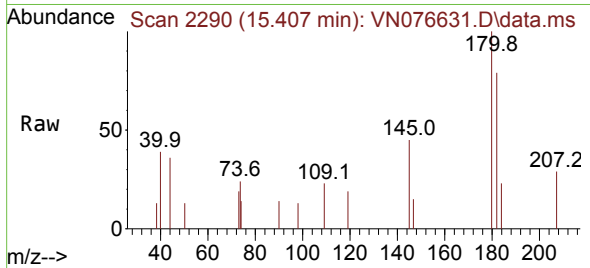




#93
1,2,4-Trichlorobenzene
Concen: 0.607 ug/l
RT: 15.407 min Scan# 2168
Delta R.T. 0.012 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

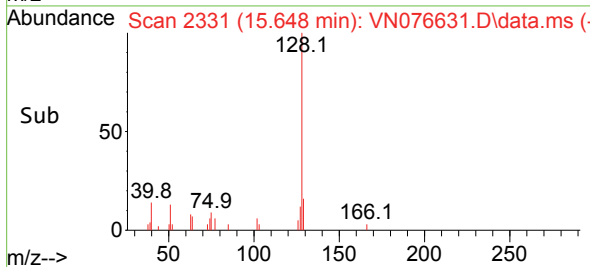
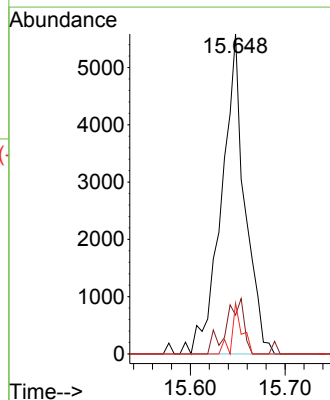
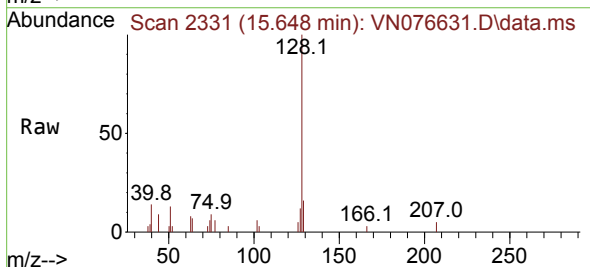
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

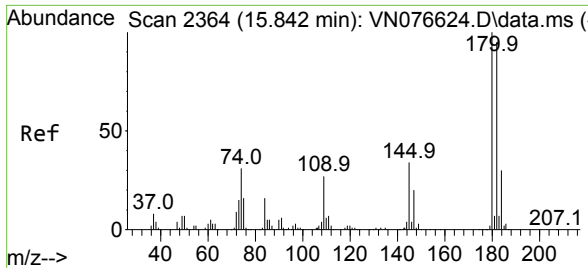
Tgt Ion:180 Resp: 2168
Ion Ratio Lower Upper
180 100
182 98.9 48.0 144.0
145 60.2 15.2 45.6#



#95
Naphthalene
Concen: 0.882 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN076631.D
Acq: 13 Feb 2023 16:22

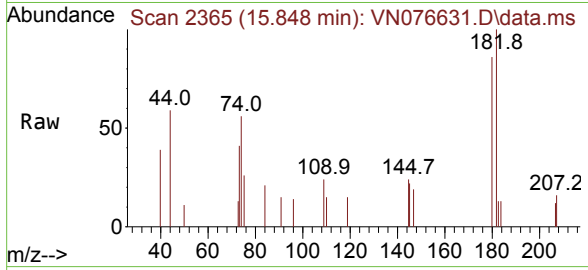
Tgt Ion:128 Resp: 9564
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 6.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.907 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076631.D
 Acq: 13 Feb 2023 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01



Tgt Ion:	180	Resp:	3138
Ion Ratio	Lower	Upper	
180	100		
182	97.1	46.7	140.1
145	31.4	16.0	47.9

