

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076220.D
 Acq On : 12 Jan 2023 10:51
 Operator : JC\MD
 Sample : VN0112WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0112WBL01

Quant Time: Jan 13 01:54:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

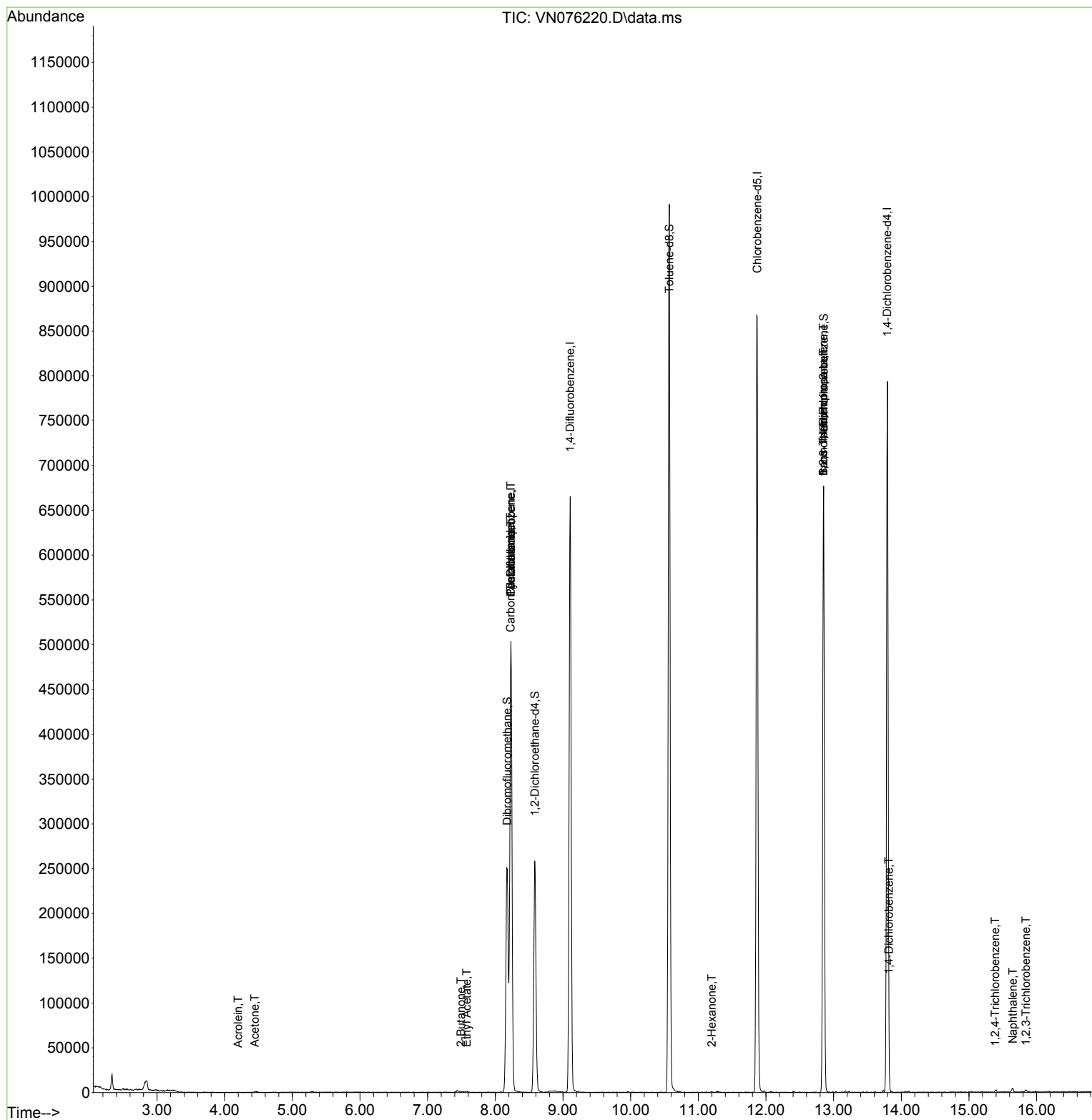
Internal Standards						
1) Pentafluorobenzene	8.230	168	391564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	616131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	543070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	205263	48.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.380%		
35) Dibromofluoromethane	8.177	113	184726	48.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.820%		
50) Toluene-d8	10.571	98	717764	50.312	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.853	95	224518	47.516	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.040%		
Target Compounds			Qvalue			
13) Acrolein	4.200	56	163	0.221	ug/l #	16
16) Acetone	4.448	43	2195	1.495	ug/l #	39
20) Methylene Chloride	5.265	84	250	Below Cal	#	12
25) 2-Butanone	7.494	43	1457	0.709	ug/l	90
31) Cyclohexane	8.230	56	7492	1.228	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	27767	5.478	ug/l #	49
37) Ethyl Acetate	7.577	43	2421	0.595	ug/l #	80
38) Carbon Tetrachloride	8.224	117	38894	6.856	ug/l #	16
59) 2-Hexanone	11.200	43	1016	0.343	ug/l #	51
71) Bromoform	12.847	173	1126	0.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	116037	25.276	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	116037	90.980	ug/l #	12
88) 1,4-Dichlorobenzene	13.818	146	1615	0.205	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.388	180	1126	0.300	ug/l	85
95) Naphthalene	15.647	128	5302	2.587	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	1179	0.336	ug/l #	88

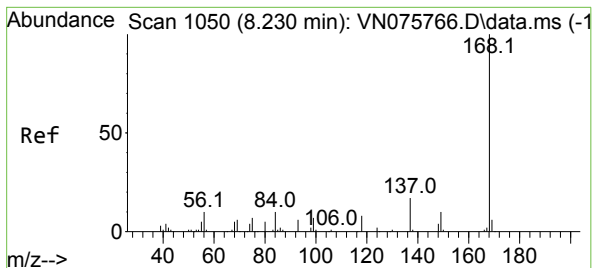
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :

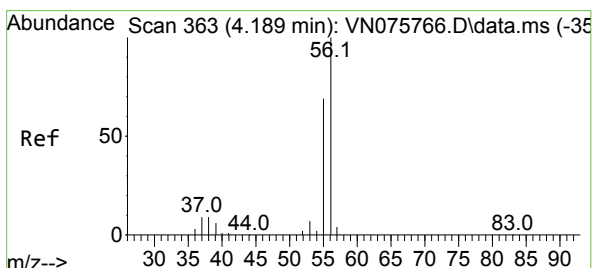
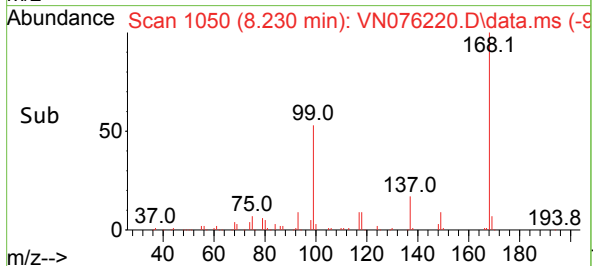
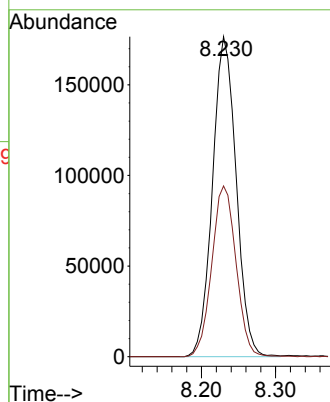
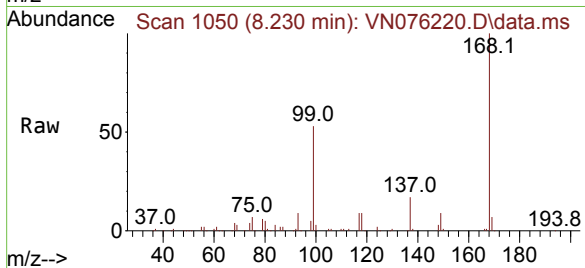
VN0112WBL01

Tgt Ion:168 Resp: 391564

Ion Ratio Lower Upper

168 100

99 53.3 44.2 66.4



#13

Acrolein

Concen: 0.221 ug/l

RT: 4.200 min Scan# 365

Delta R.T. 0.012 min

Lab File: VN076220.D

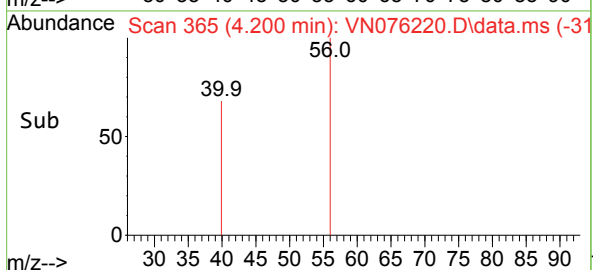
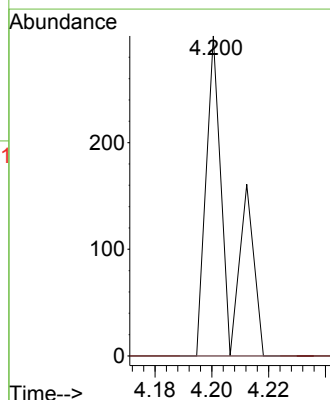
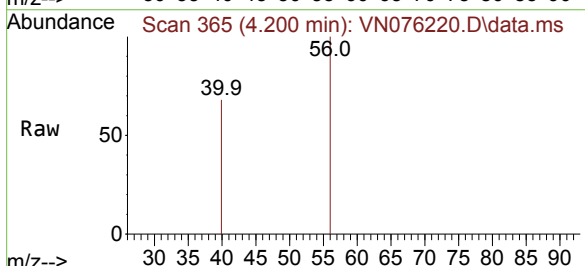
Acq: 12 Jan 2023 10:51

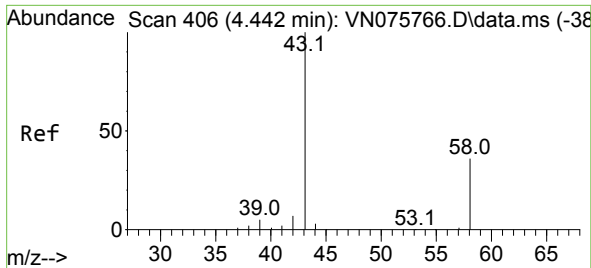
Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#





#16

Acetone

Concen: 1.495 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :

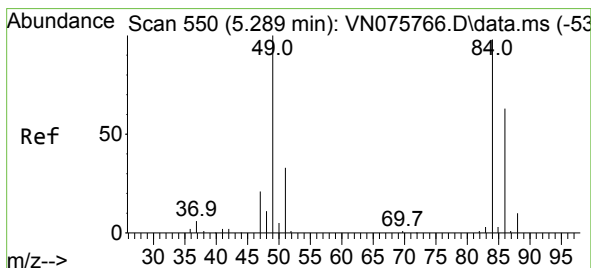
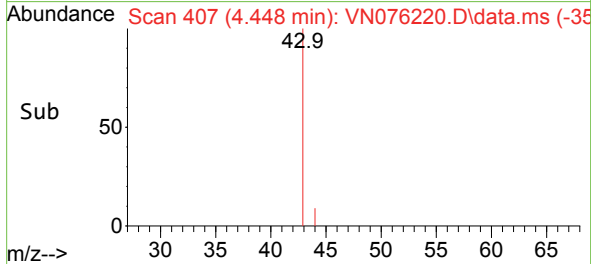
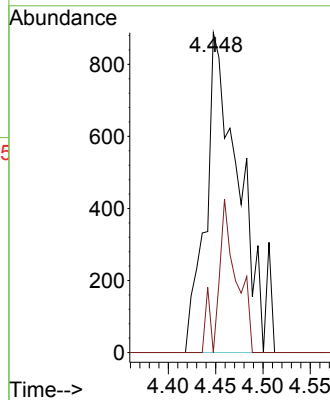
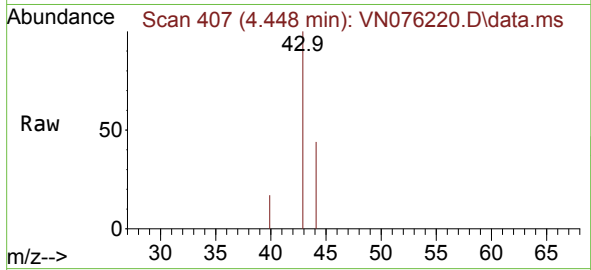
VN0112WBL01

Tgt Ion: 43 Resp: 2195

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.265 min Scan# 546

Delta R.T. -0.024 min

Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

Tgt Ion: 84 Resp: 250

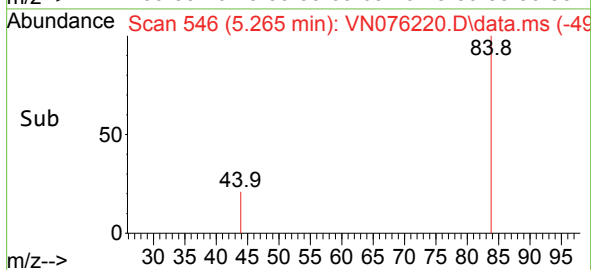
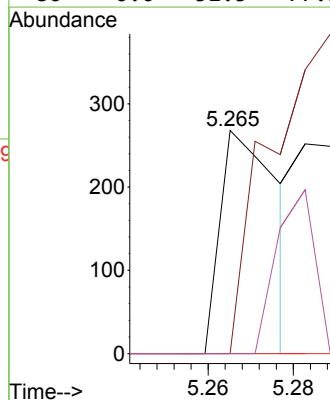
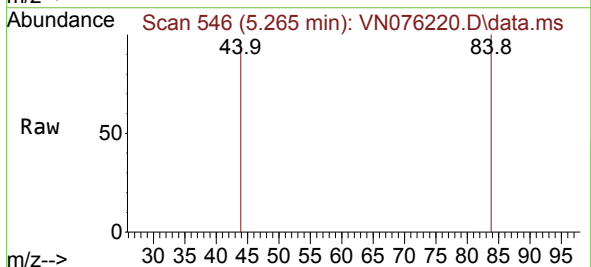
Ion Ratio Lower Upper

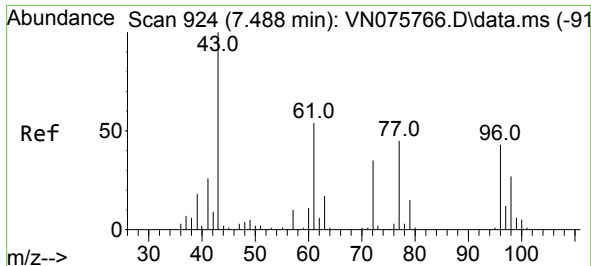
84 100

49 0.0 81.8 122.6#

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#

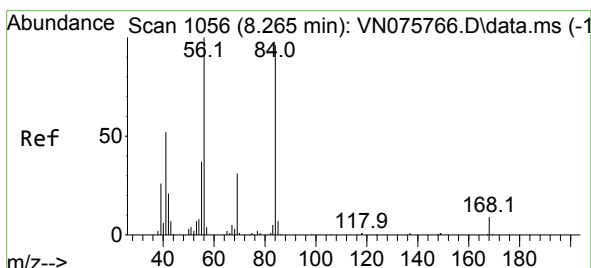
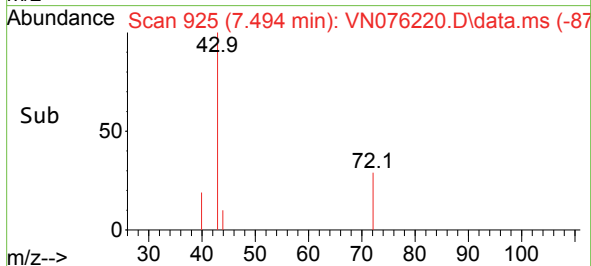
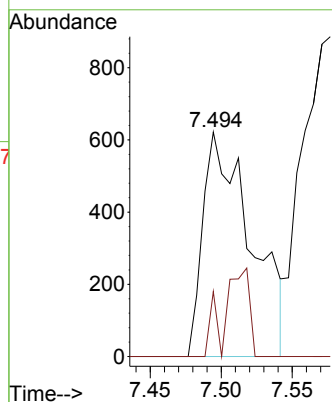
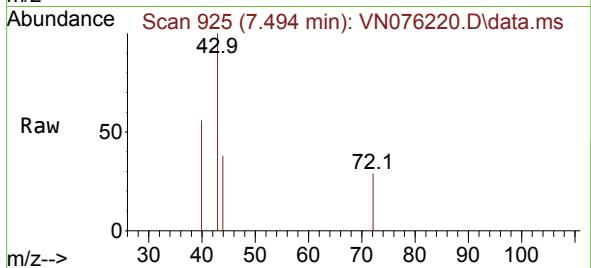




#25
2-Butanone
Concen: 0.709 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

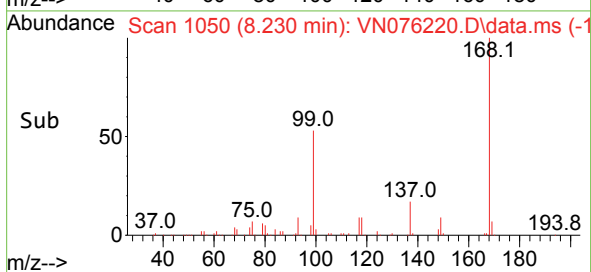
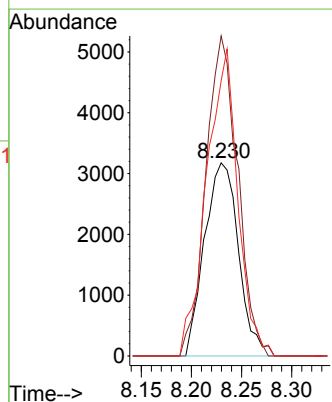
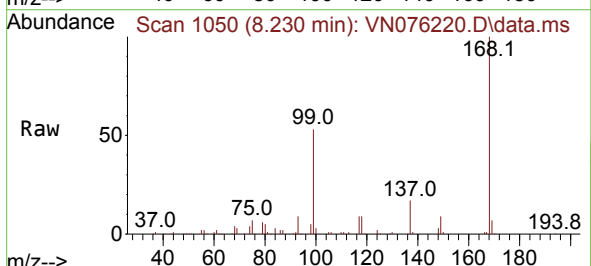
Instrument :
MSVOA_N
ClientSampleId :
VN0112WBL01

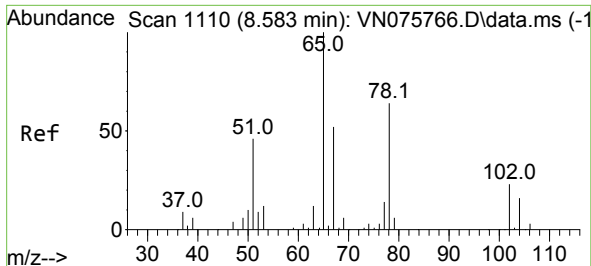
Tgt Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
72 28.9 28.0 42.0



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion: 56 Resp: 7492
Ion Ratio Lower Upper
56 100
69 165.7 24.7 37.1#
84 142.5 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 48.185 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :

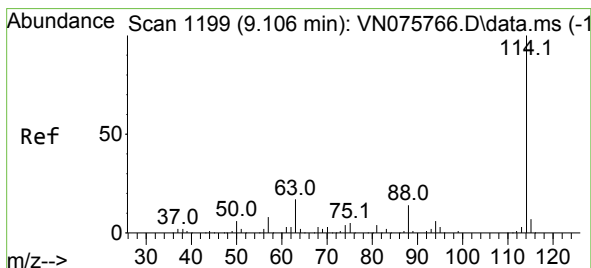
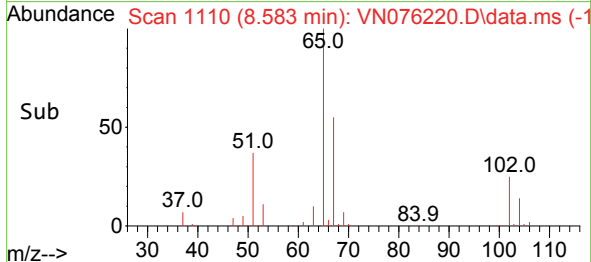
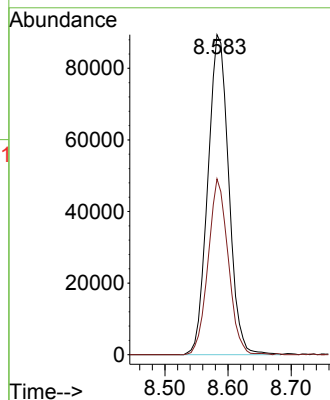
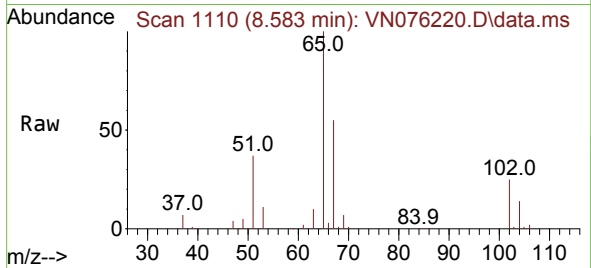
VN0112WBL01

Tgt Ion: 65 Resp: 205263

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

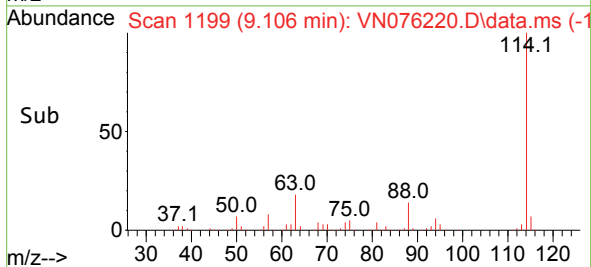
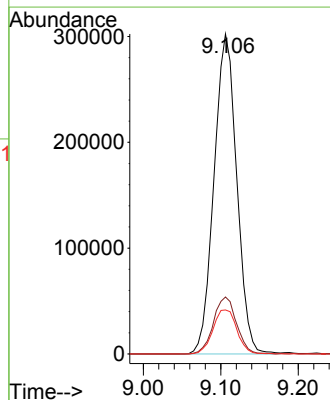
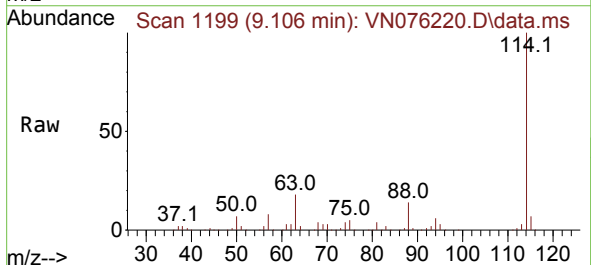
Tgt Ion: 114 Resp: 616131

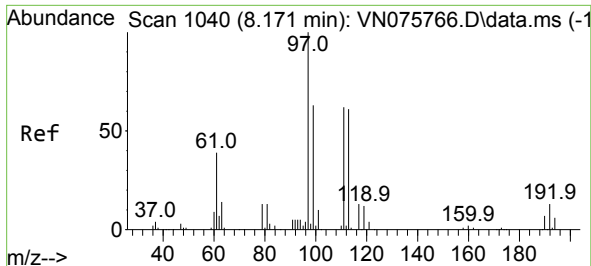
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 13.8 0.0 28.8

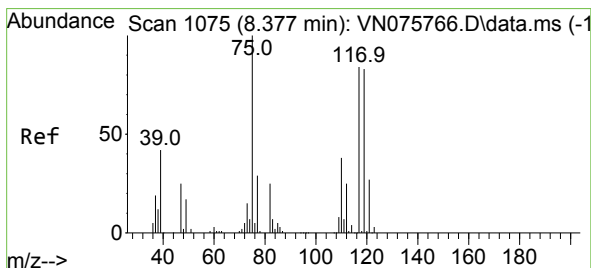
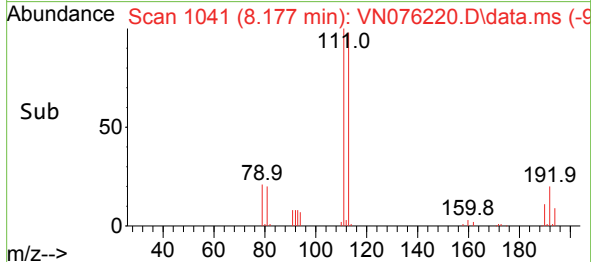
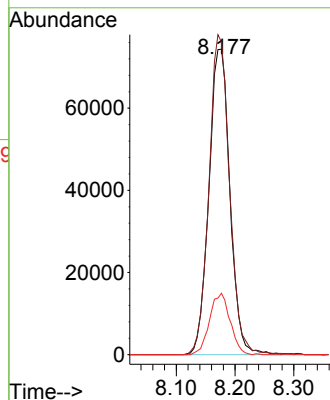
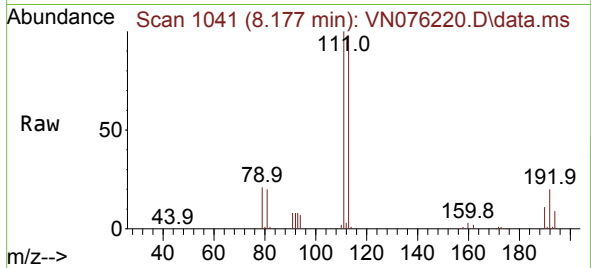




#35
Dibromofluoromethane
Concen: 48.413 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

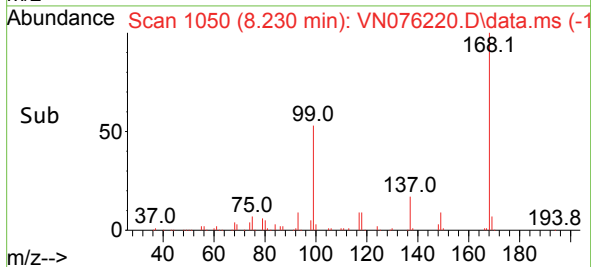
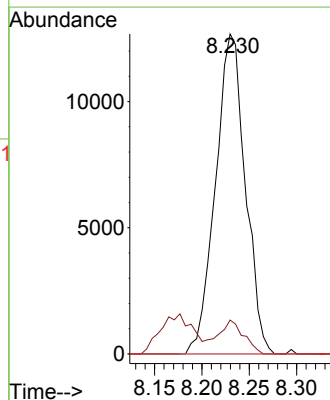
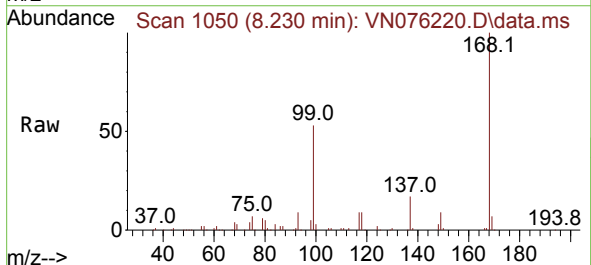
Instrument :
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VN0112WBL01

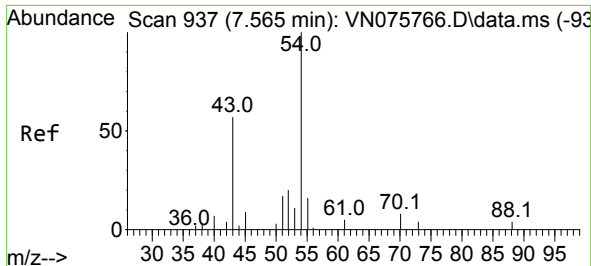
Tgt Ion:113 Resp: 184726
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.478 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion: 75 Resp: 27767
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 24.1 36.1#

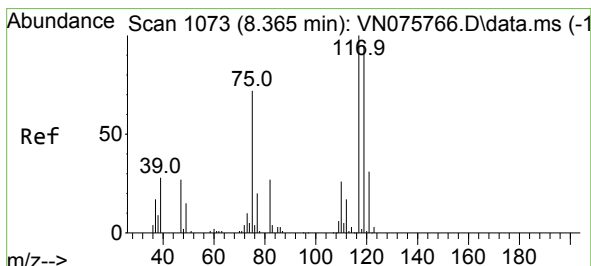
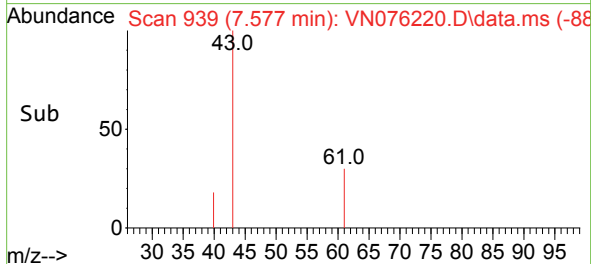
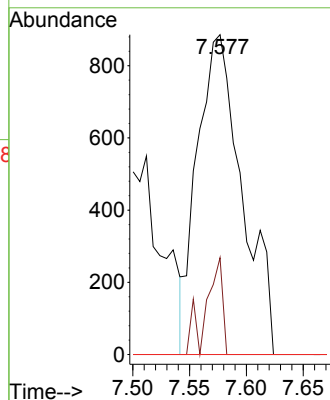
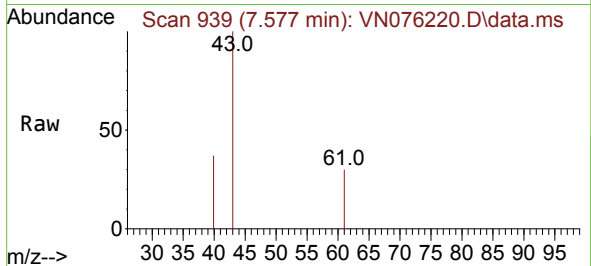




#37
Ethyl Acetate
Concen: 0.595 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

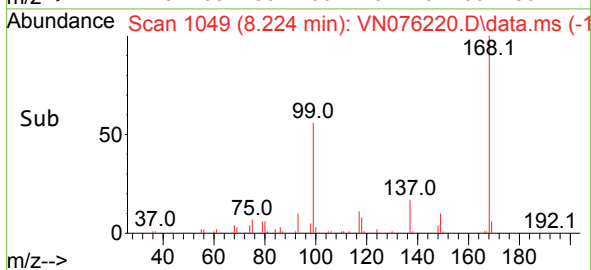
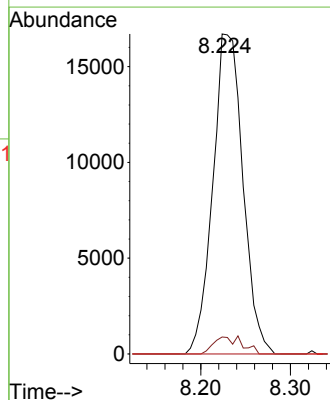
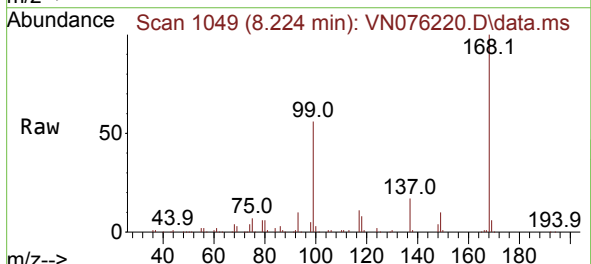
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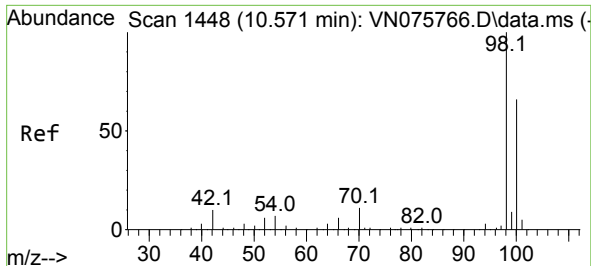
Tgt Ion: 43 Resp: 2421
Ion Ratio Lower Upper
43 100
61 11.2 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.856 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion: 117 Resp: 38894
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.5 36.7#

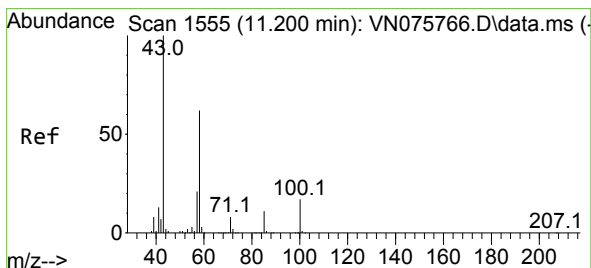
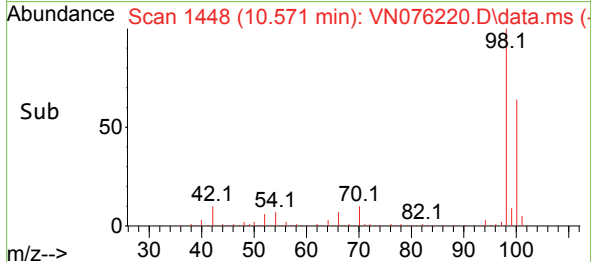
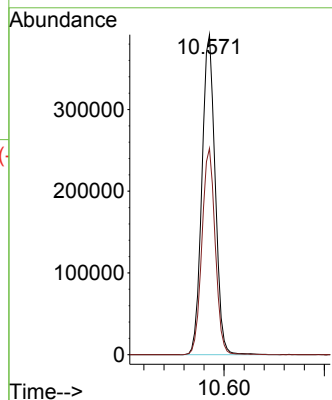
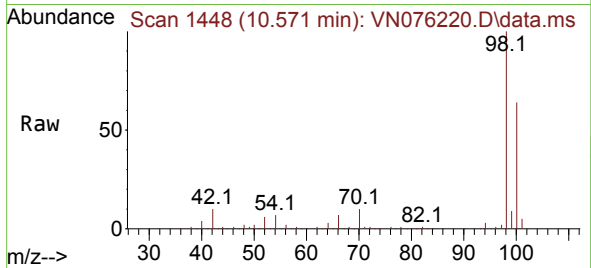




#50
Toluene-d8
Concen: 50.312 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

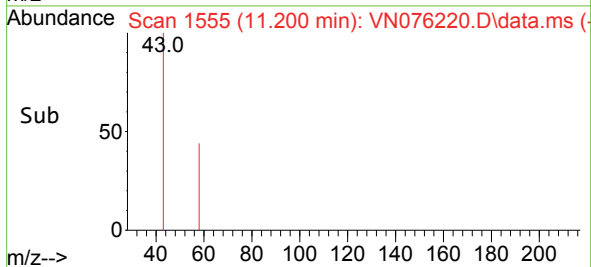
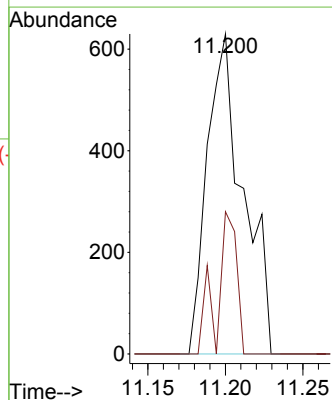
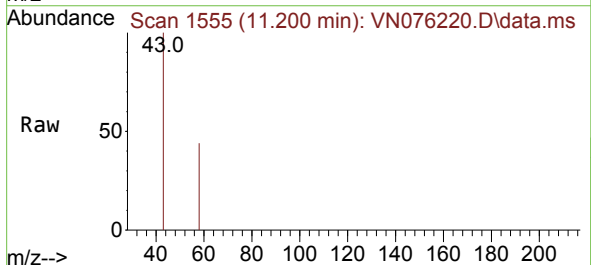
Instrument :
MSVOA_N
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VN0112WBL01

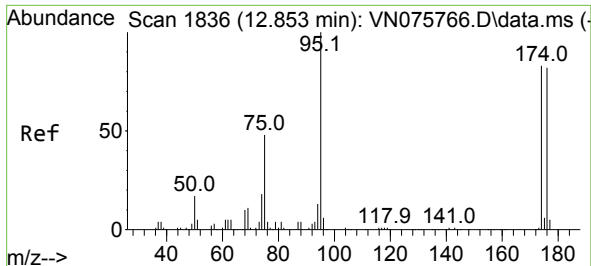
Tgt Ion: 98 Resp: 717764
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#59
2-Hexanone
Concen: 0.343 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 24.1 30.6 92.0#

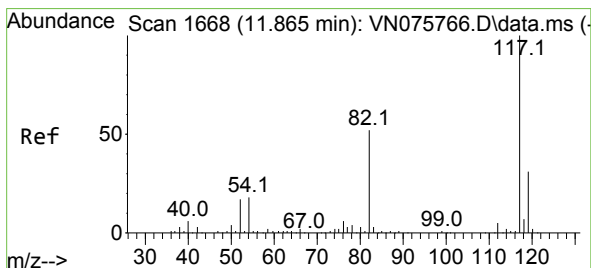
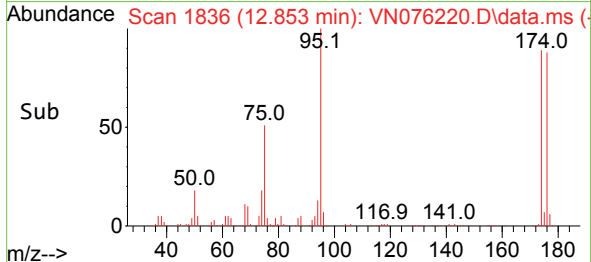
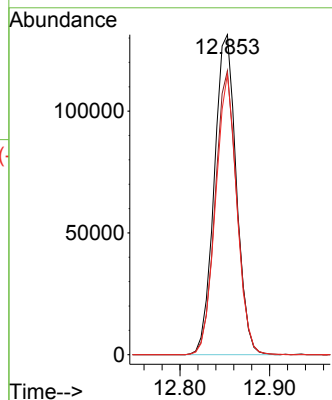
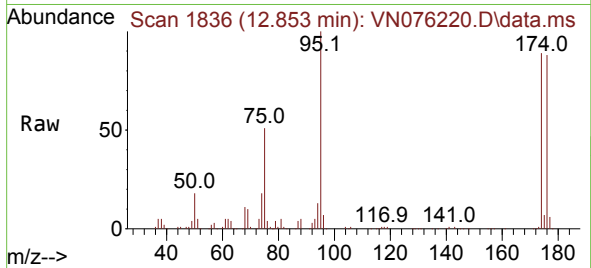




#62
4-Bromofluorobenzene
Concen: 47.516 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

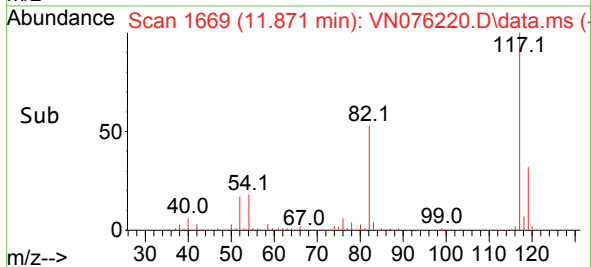
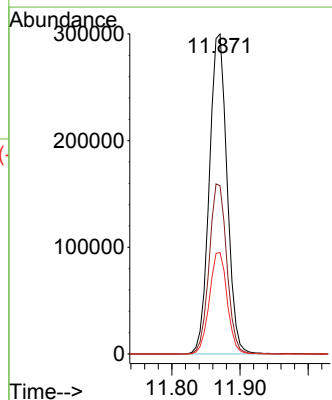
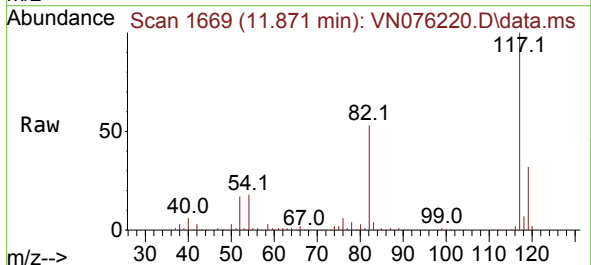
Instrument :
MSVOA_N
ClientSampleId :
VN0112WBL01

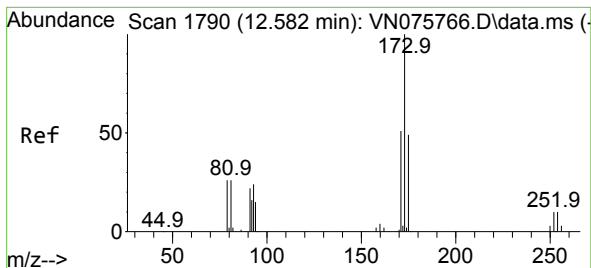
Tgt Ion: 95 Resp: 224518
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.4 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion: 117 Resp: 543070
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 31.7 24.6 37.0





#71

Bromoform

Concen: 0.375 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

Instrument :

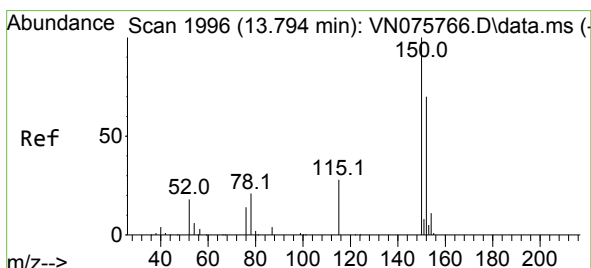
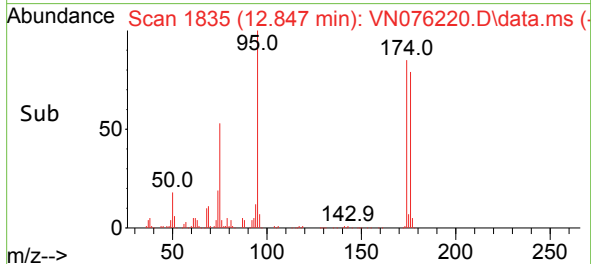
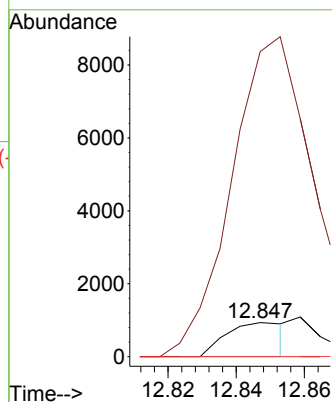
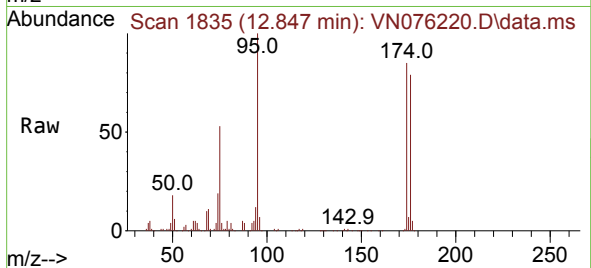
MSVOA_N

ClientSampleId :

VN0112WBL01

Tgt Ion:173 Resp: 1126

Ion	Ratio	Lower	Upper
173	100		
175	1084.5	24.3	72.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

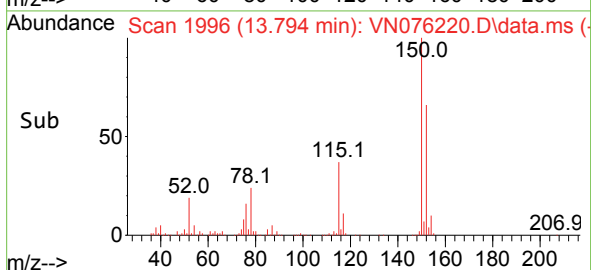
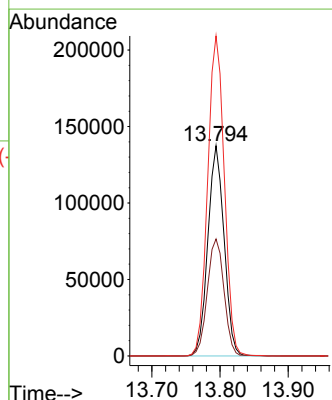
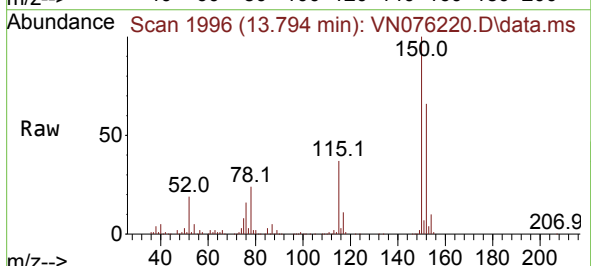
Delta R.T. 0.000 min

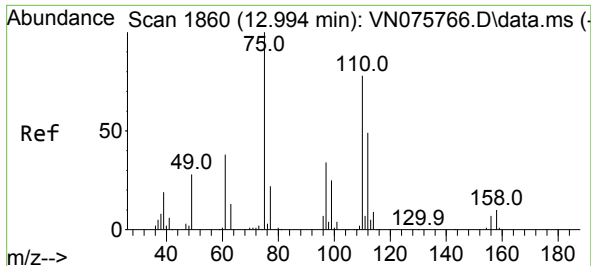
Lab File: VN076220.D

Acq: 12 Jan 2023 10:51

Tgt Ion:152 Resp: 227749

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.1	87.4
150	156.1	0.0	347.0

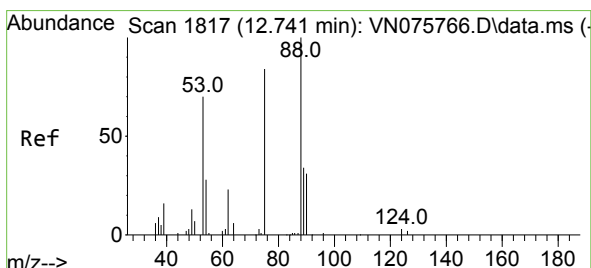
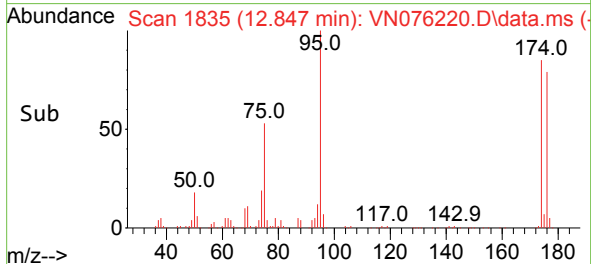
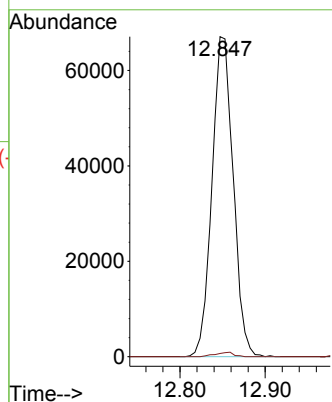
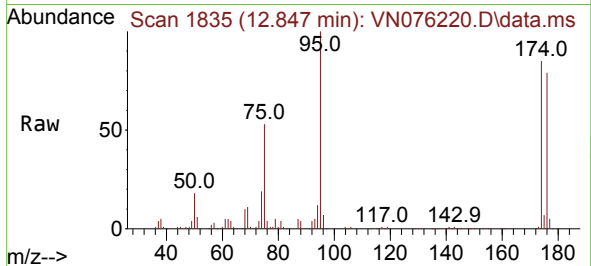




#76
1,2,3-Trichloropropane
Concen: 25.276 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

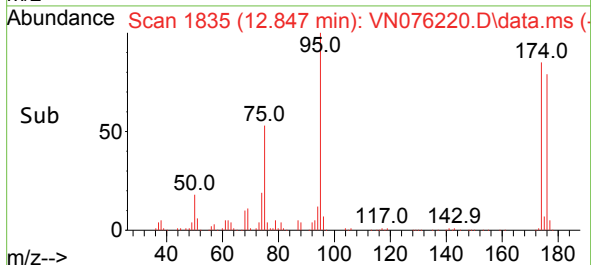
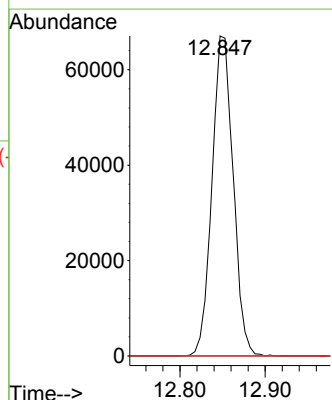
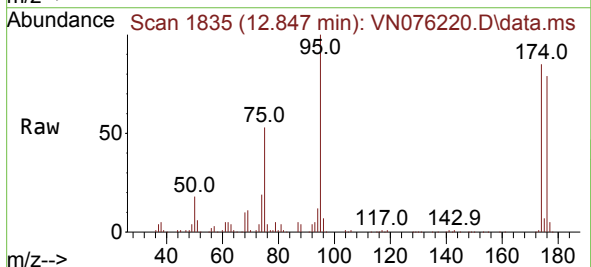
Instrument :
MSVOA_N
ClientSampleId :
VN0112WBL01

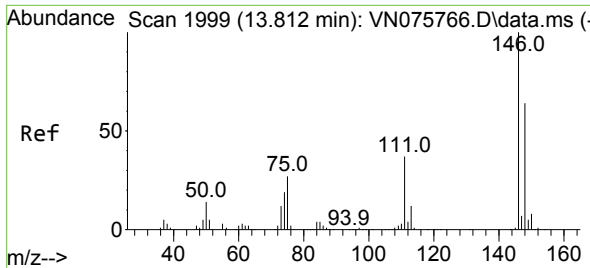
Tgt Ion: 75 Resp: 116037
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.980 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion: 75 Resp: 116037
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

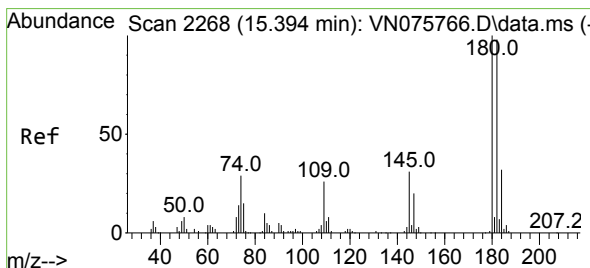
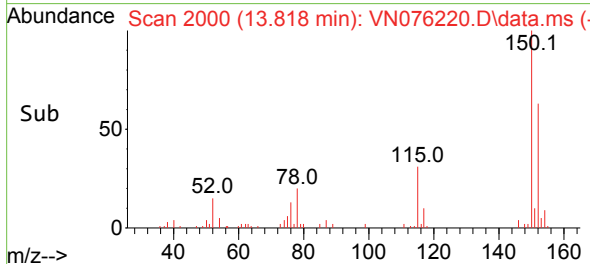
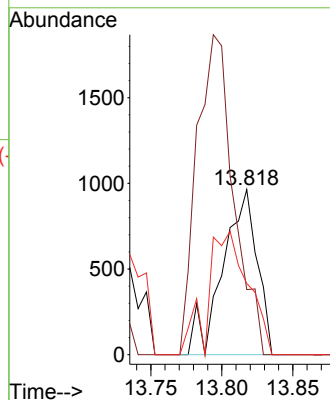
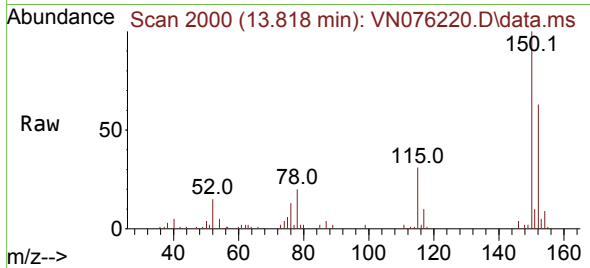




#88
 1,4-Dichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.818 min Scan# 2000
 Delta R.T. 0.006 min
 Lab File: VN076220.D
 Acq: 12 Jan 2023 10:51

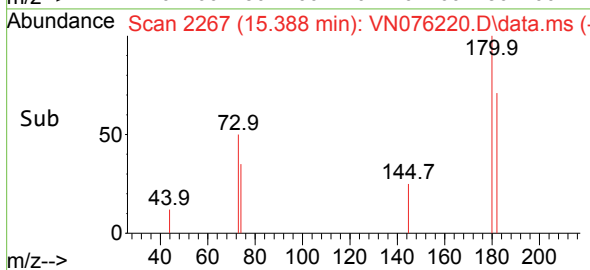
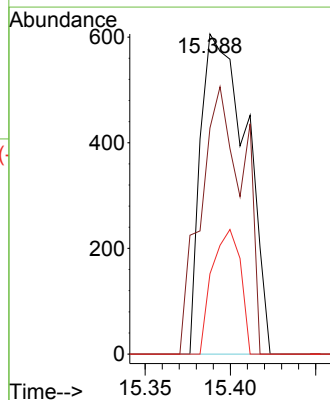
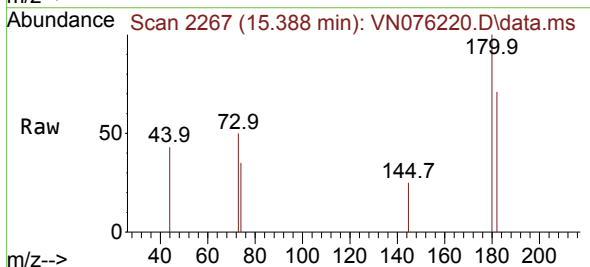
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0112WBL01

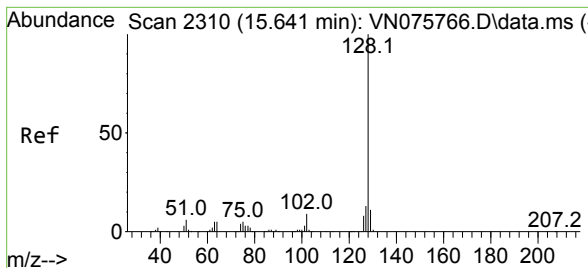
Tgt Ion:146 Resp: 1615
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.1#
 148 88.2 32.0 96.2



#93
 1,2,4-Trichlorobenzene
 Concen: 0.300 ug/l
 RT: 15.388 min Scan# 2267
 Delta R.T. -0.006 min
 Lab File: VN076220.D
 Acq: 12 Jan 2023 10:51

Tgt Ion:180 Resp: 1126
 Ion Ratio Lower Upper
 180 100
 182 78.9 47.5 142.5
 145 24.2 15.3 45.8

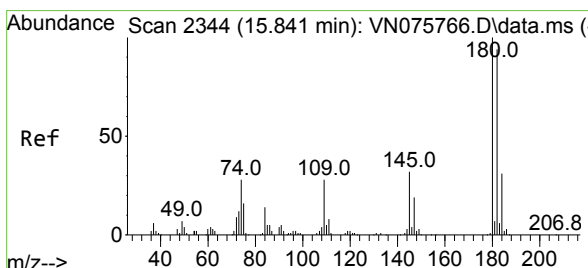
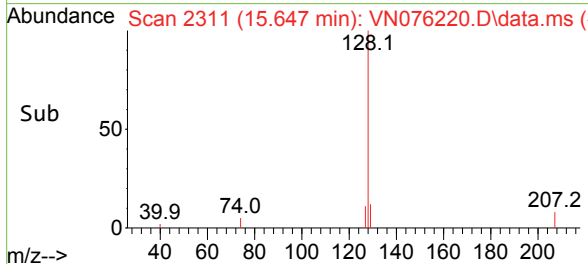
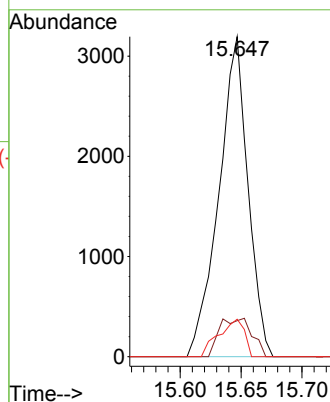
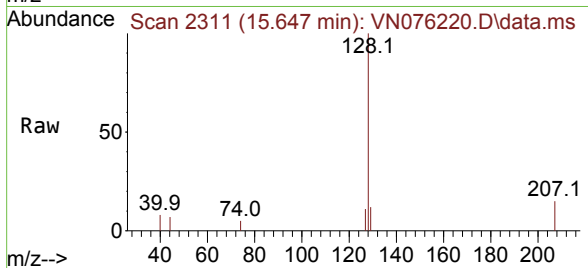




#95
Naphthalene
Concen: 2.587 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0112WBL01

Tgt Ion:128 Resp: 5302
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.336 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN076220.D
Acq: 12 Jan 2023 10:51

Tgt Ion:180 Resp: 1179
Ion Ratio Lower Upper
180 100
182 89.7 47.0 141.0
145 12.8 16.0 47.9#

