

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076430.D
 Acq On : 27 Jan 2023 10:42
 Operator : JC\MD
 Sample : VN0127WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBL01

Quant Time: Jan 27 22:33:41 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)

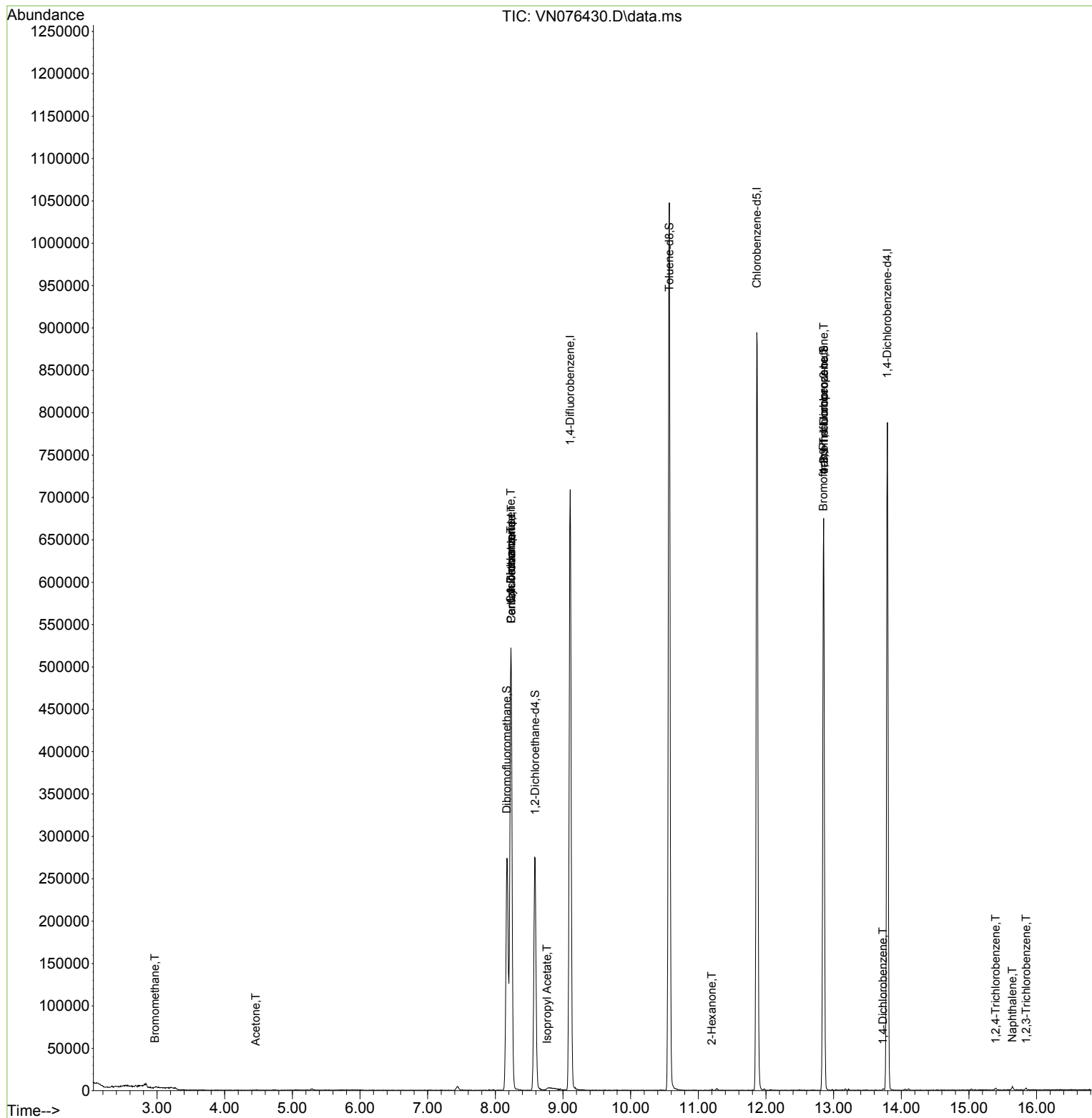
Internal Standards						
1) Pentafluorobenzene	8.236	168	387881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	636588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	542840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	229992	52.956	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.920%		
35) Dibromofluoromethane	8.171	113	195829	49.177	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.360%		
50) Toluene-d8	10.571	98	728218	49.517	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.040%		
62) 4-Bromofluorobenzene	12.853	95	222664	46.379	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.760%		
Target Compounds						
						Qvalue
5) Bromomethane	2.971	94	882	0.213	ug/l #	71
16) Acetone	4.459	43	758	0.471	ug/l #	41
20) Methylene Chloride	5.295	84	1368	Below Cal	#	66
31) Cyclohexane	8.230	56	7943	1.191	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	31079	5.492	ug/l #	49
38) Carbon Tetrachloride	8.236	117	40391	6.401	ug/l #	17
43) Isopropyl Acetate	8.765	43	1705	0.231	ug/l #	51
59) 2-Hexanone	11.200	43	965	0.307	ug/l #	56
71) Bromoform	12.847	173	1700	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	117609	29.510	ug/l #	1
77) Bromobenzene	12.976	156	95	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117609	90.625	ug/l #	11
88) 1,4-Dichlorobenzene	13.729	146	823	0.211	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	1130	1.596	ug/l	91
95) Naphthalene	15.641	128	4274	2.206	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	1124	1.458	ug/l #	89

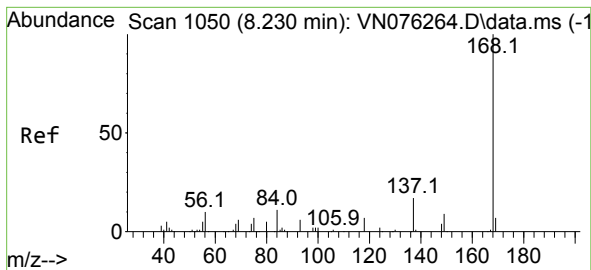
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

Instrument :

MSVOA_N

ClientSampleId :

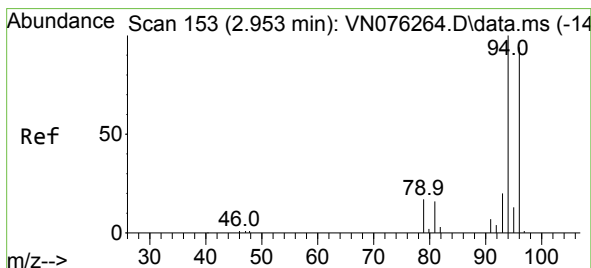
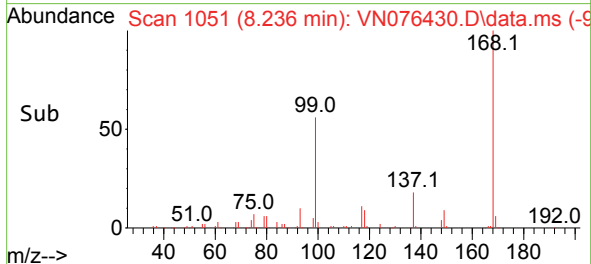
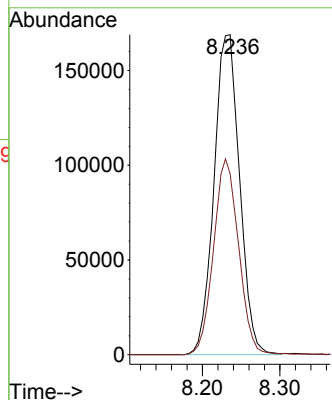
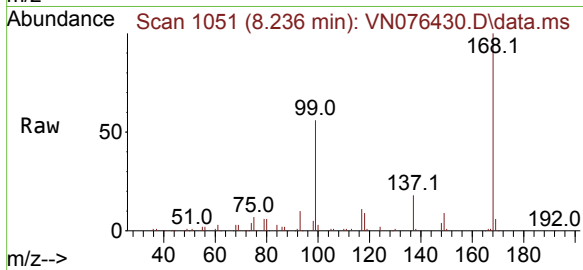
VN0127WBL01

Tgt Ion:168 Resp: 387881

Ion Ratio Lower Upper

168 100

99 56.5 41.6 62.4



#5

Bromomethane

Concen: 0.213 ug/l

RT: 2.971 min Scan# 156

Delta R.T. 0.018 min

Lab File: VN076430.D

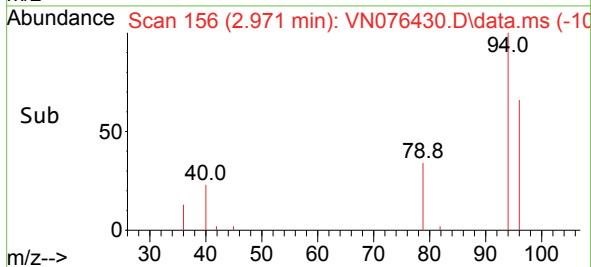
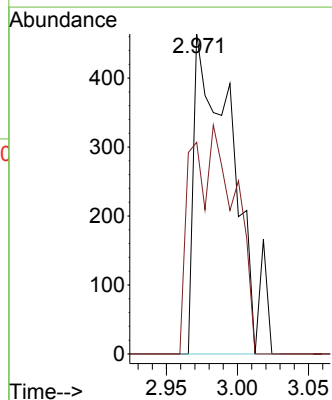
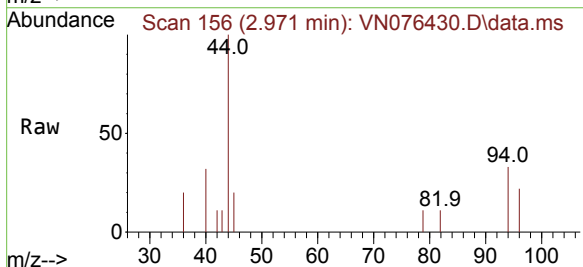
Acq: 27 Jan 2023 10:42

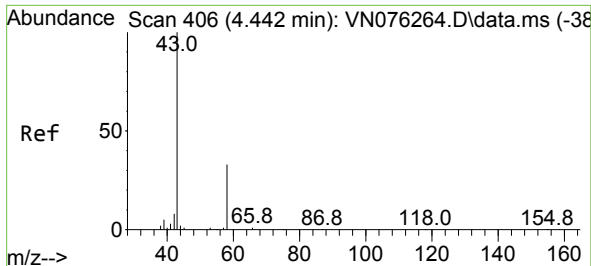
Tgt Ion: 94 Resp: 882

Ion Ratio Lower Upper

94 100

96 66.2 75.1 112.7#





#16

Acetone

Concen: 0.471 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.017 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

Instrument :

MSVOA_N

ClientSampleId :

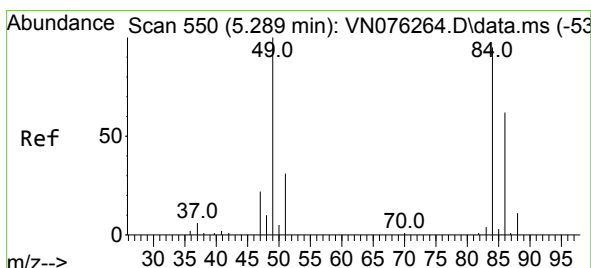
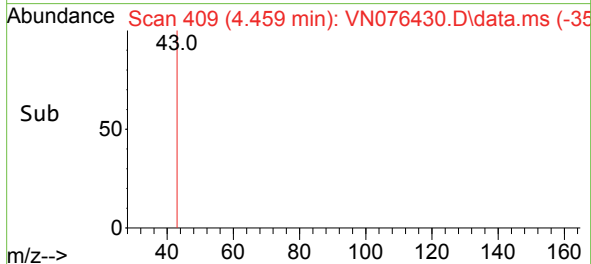
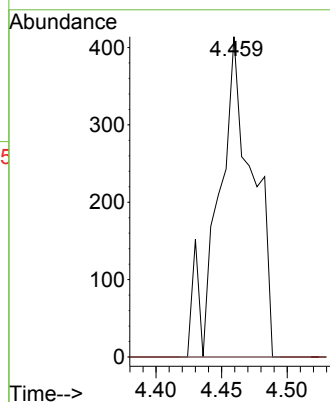
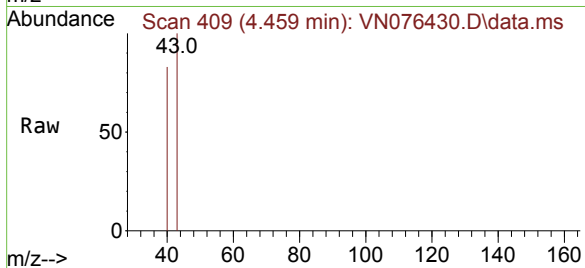
VN0127WBL01

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.295 min Scan# 551

Delta R.T. 0.006 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

Tgt Ion: 84 Resp: 1368

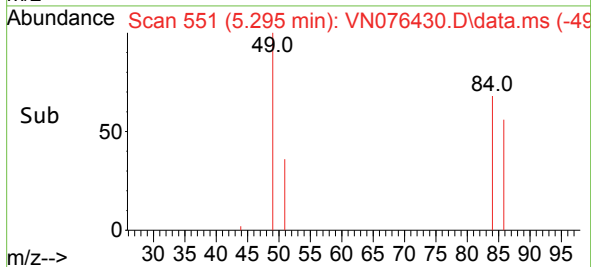
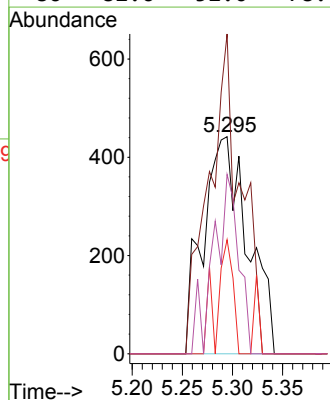
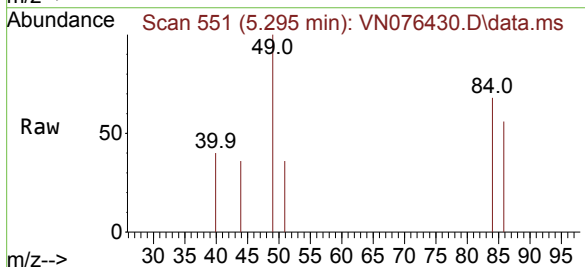
Ion Ratio Lower Upper

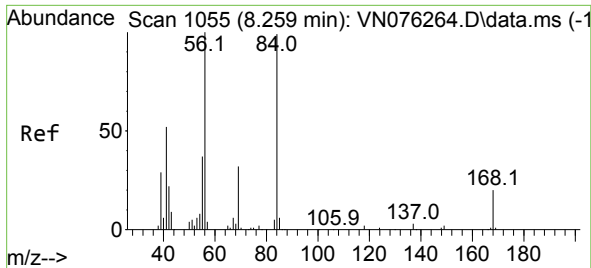
84 100

49 147.3 84.5 126.7#

51 52.5 26.0 39.0#

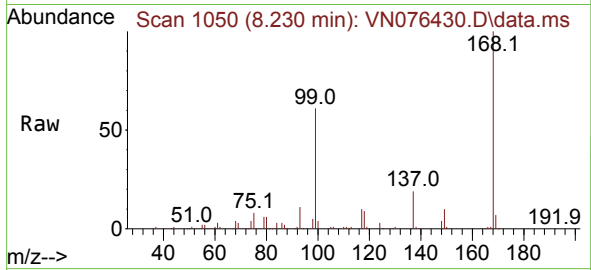
86 82.6 52.0 78.0#



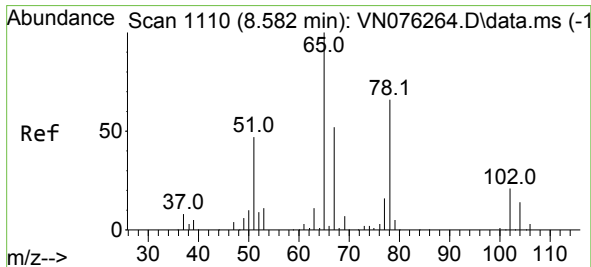
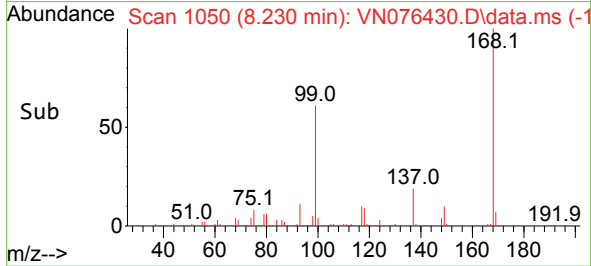
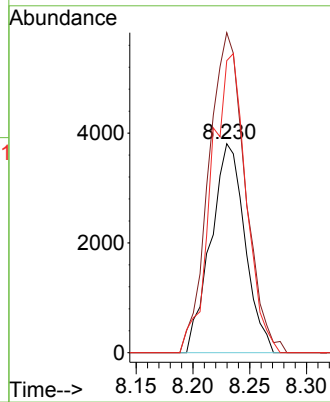


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.230 min Scan# 1055
Delta R.T. -0.029 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

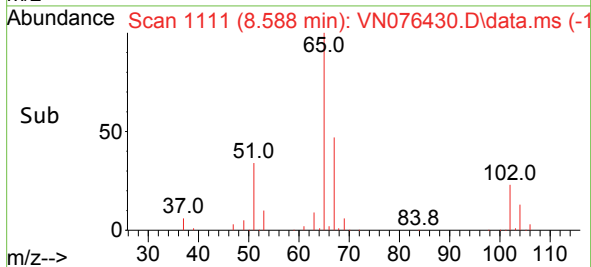
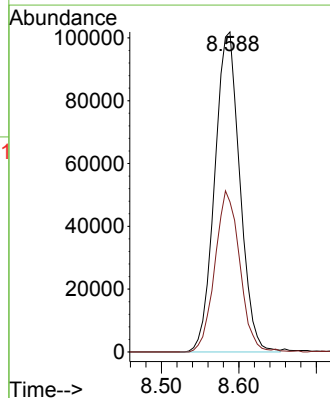
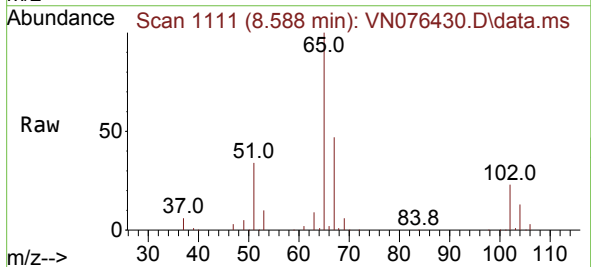


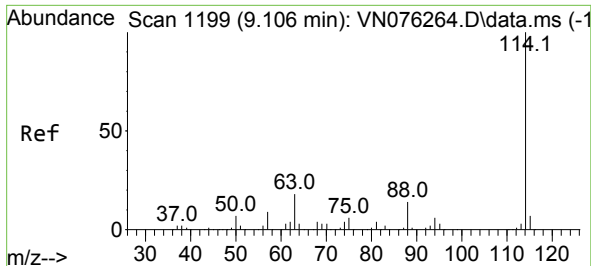
Tgt Ion: 56 Resp: 7943
Ion Ratio Lower Upper
56 100
69 153.2 25.8 38.8#
84 139.8 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 52.956 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

Tgt Ion: 65 Resp: 229992
Ion Ratio Lower Upper
65 100
67 50.0 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: VN076430.D

Acq: 27 Jan 2023 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBL01

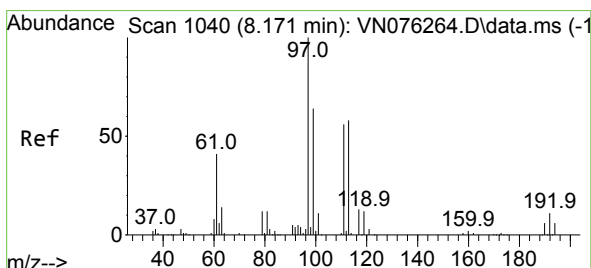
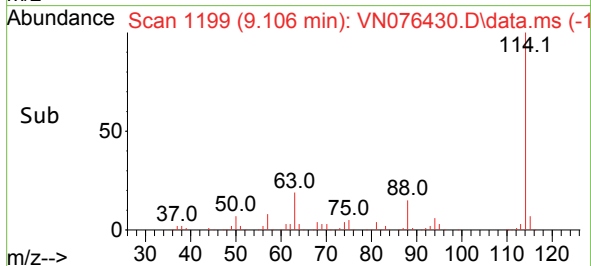
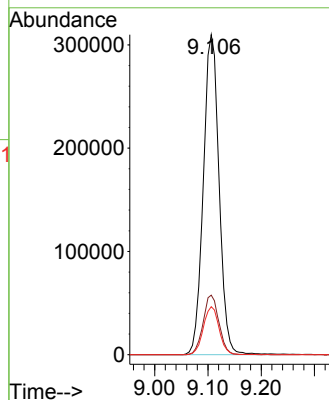
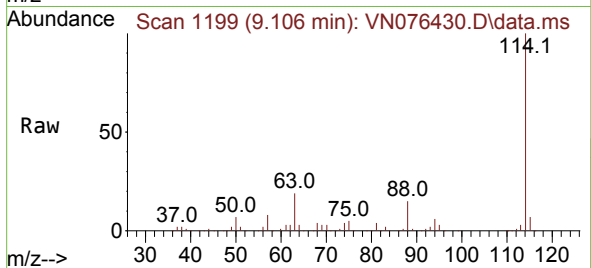
Tgt Ion:114 Resp: 636588

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

88 15.0 0.0 28.0



#35

Dibromofluoromethane

Concen: 49.177 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

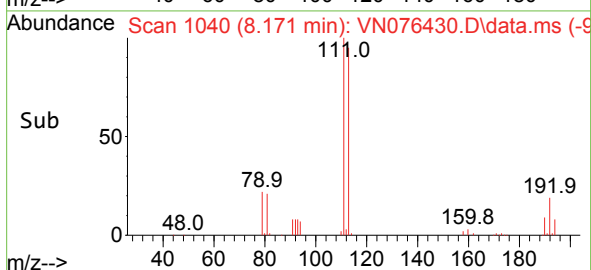
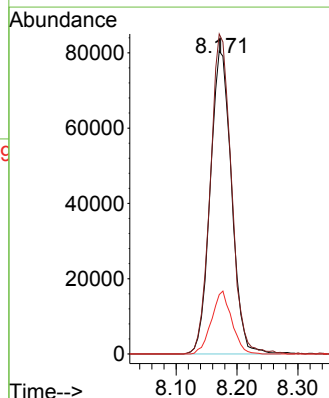
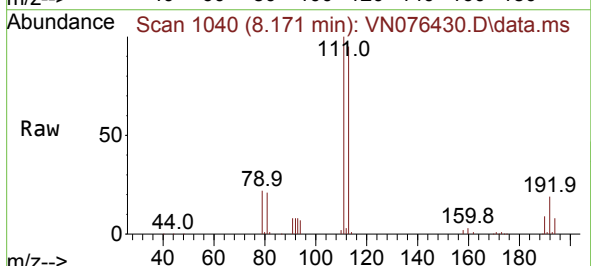
Tgt Ion:113 Resp: 195829

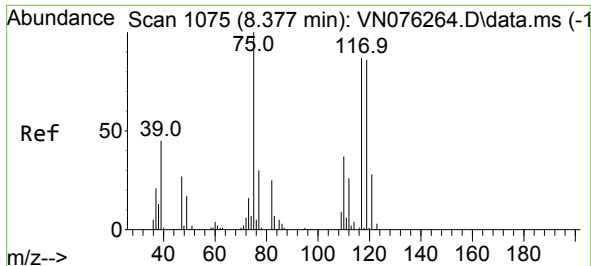
Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

192 19.7 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.492 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBL01

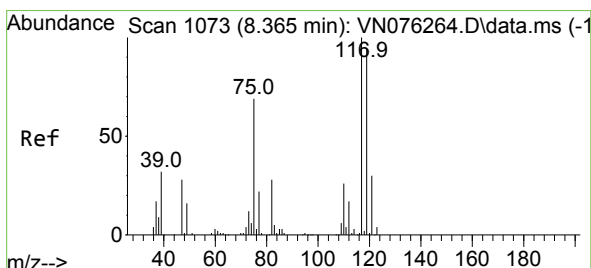
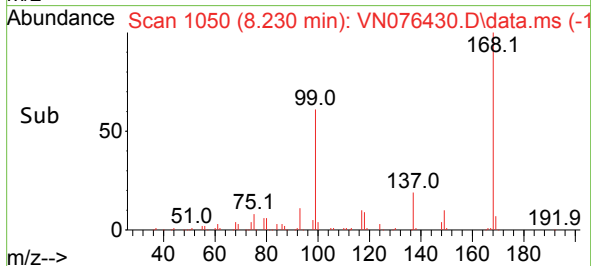
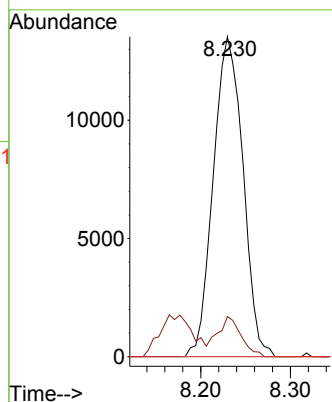
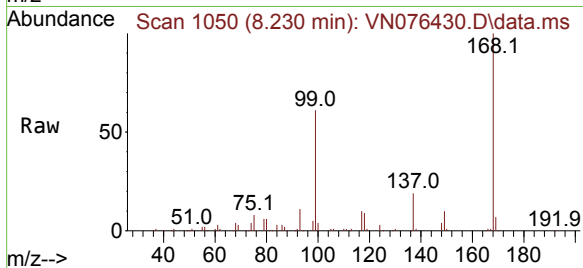
Tgt Ion: 75 Resp: 31079

Ion Ratio Lower Upper

75 100

110 10.0 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.401 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

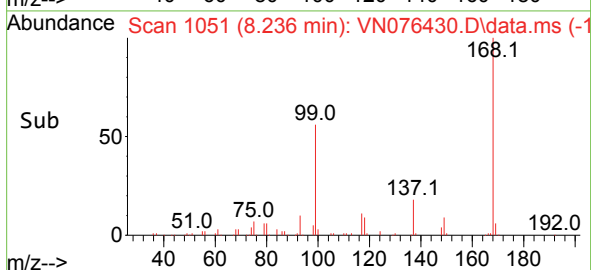
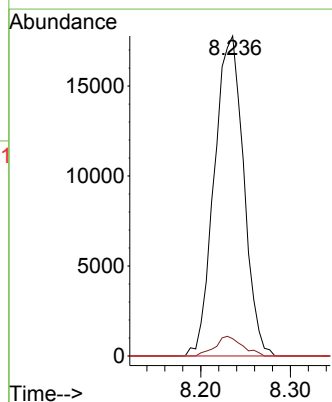
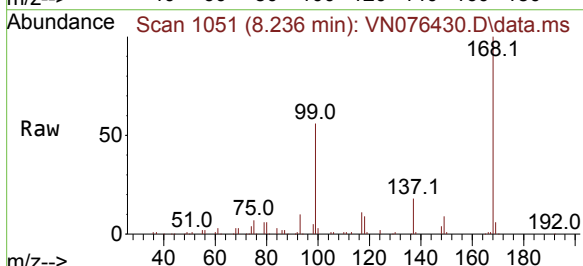
Tgt Ion: 117 Resp: 40391

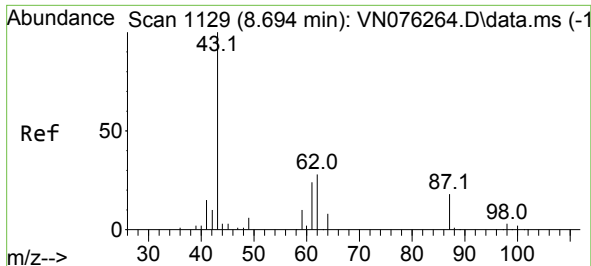
Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

121 0.0 24.2 36.2#

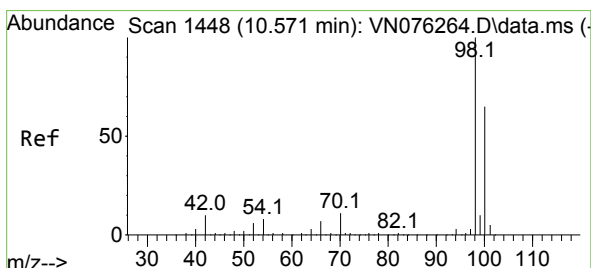
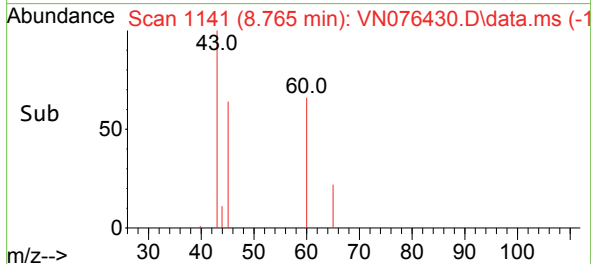
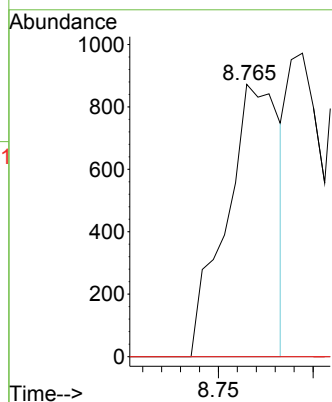
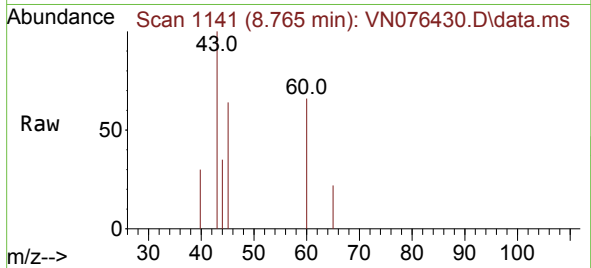




#43
Isopropyl Acetate
Concen: 0.231 ug/l
RT: 8.765 min Scan# 1129
Delta R.T. 0.071 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

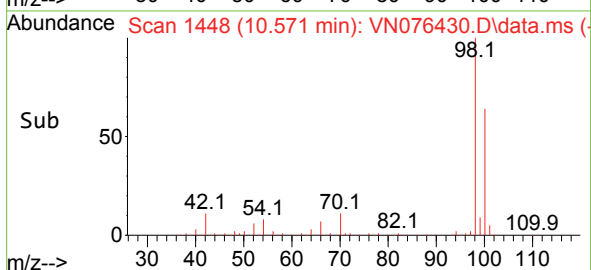
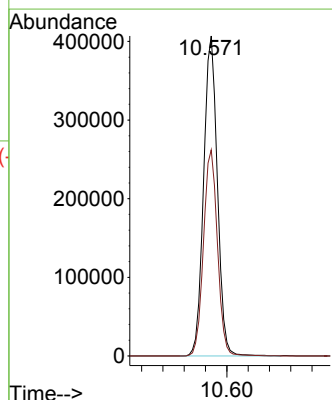
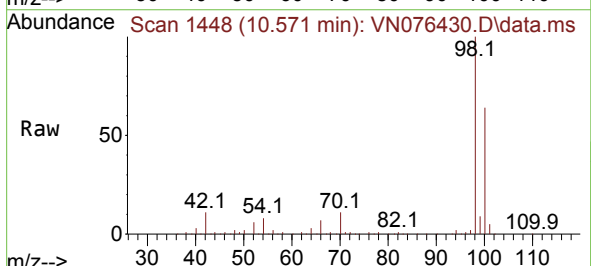
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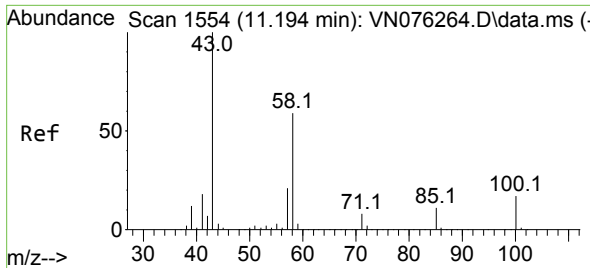
Tgt Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 49.517 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

Tgt Ion: 98 Resp: 728218
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

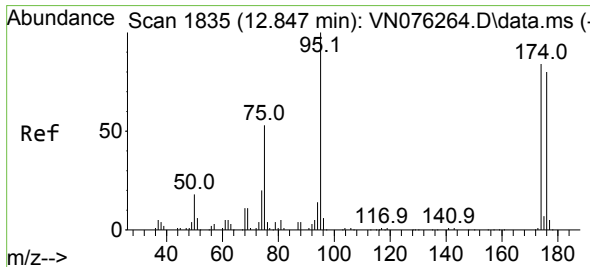
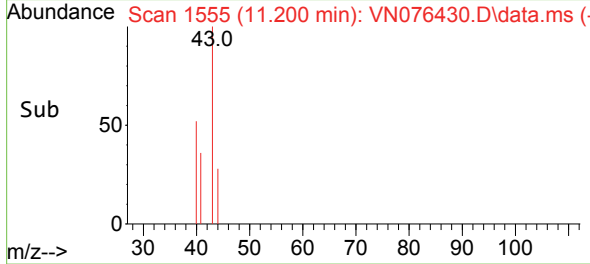
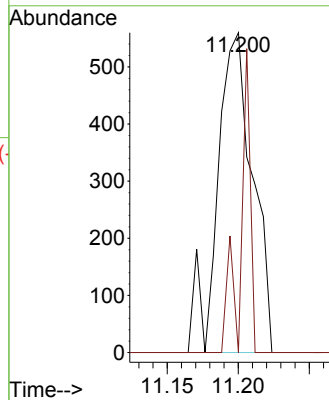
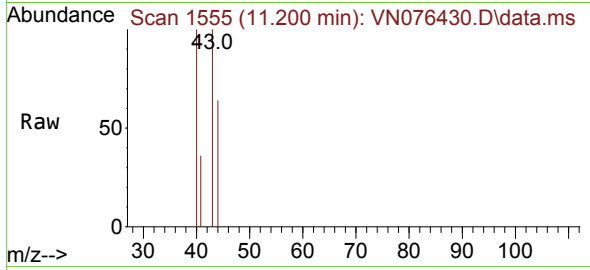




#59
2-Hexanone
Concen: 0.307 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

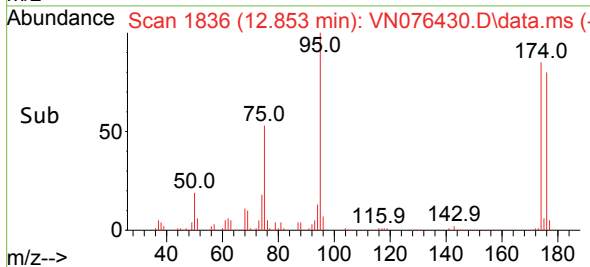
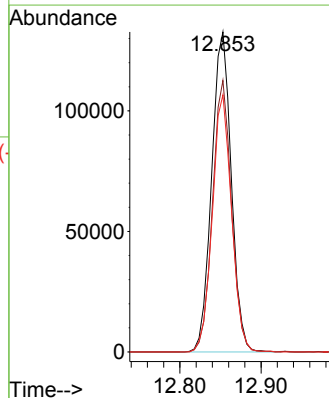
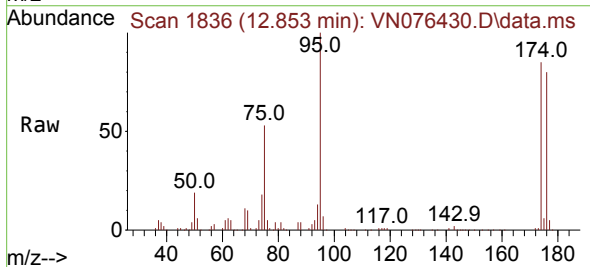
Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

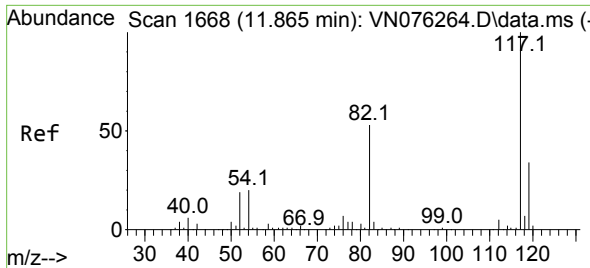
Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 26.9 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 46.379 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

Tgt Ion: 95 Resp: 222664
Ion Ratio Lower Upper
95 100
174 82.2 0.0 174.6
176 78.9 0.0 167.8

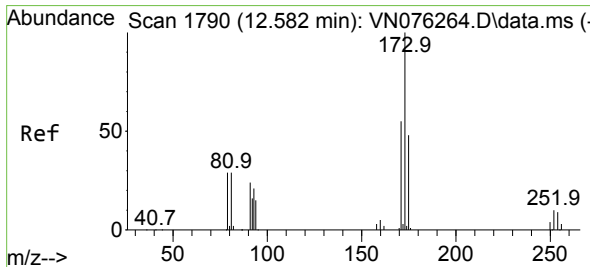
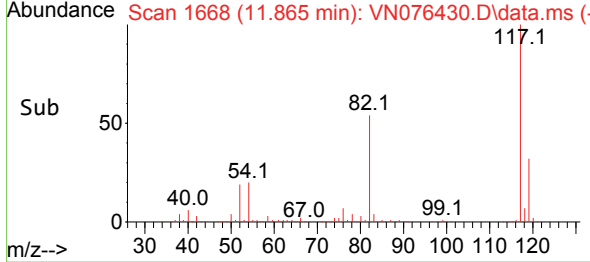
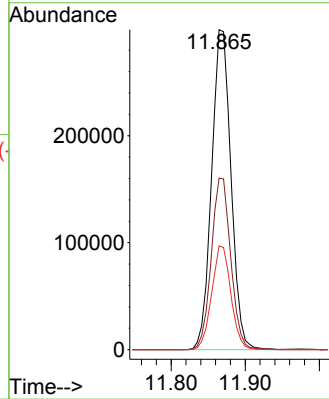
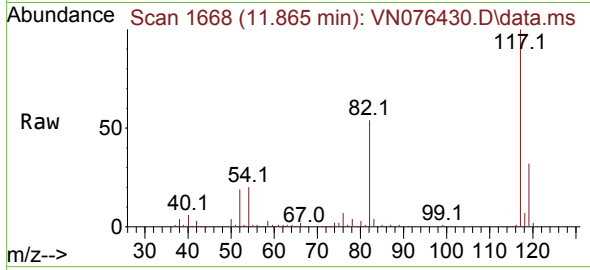




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

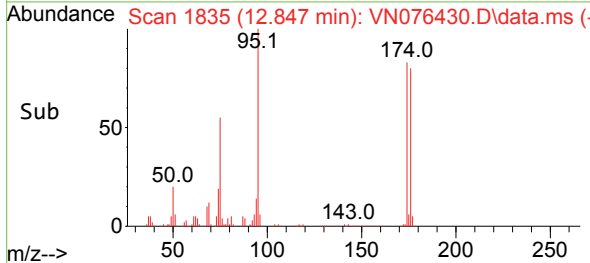
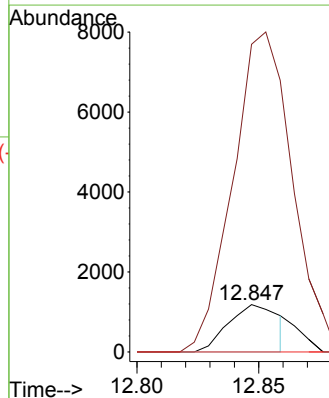
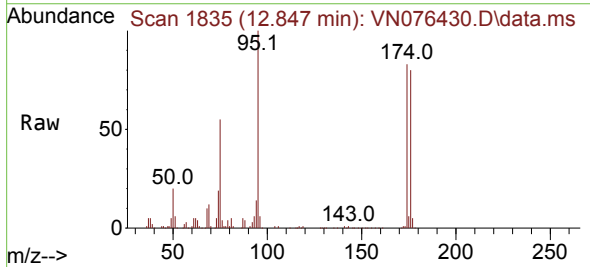
Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

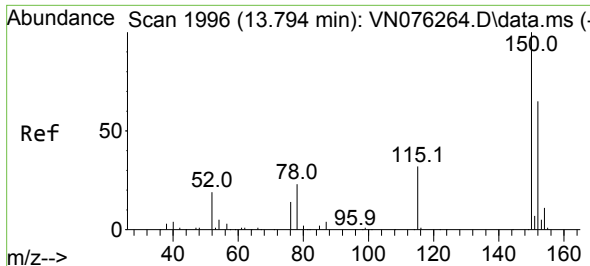
Tgt Ion:117 Resp: 542840
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.2
119 32.5 26.9 40.3



#71
Bromoform
Concen: 0.551 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

Tgt Ion:173 Resp: 1700
Ion Ratio Lower Upper
173 100
175 656.1 24.1 72.4#
254 0.0 0.0 0.0

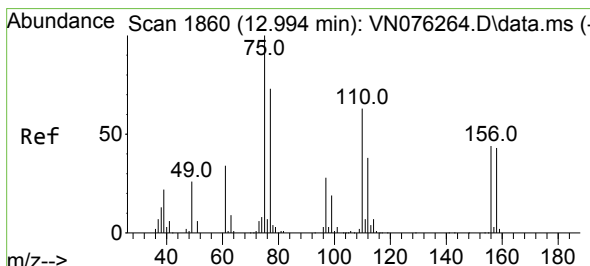
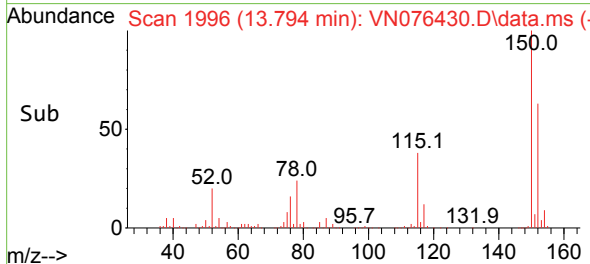
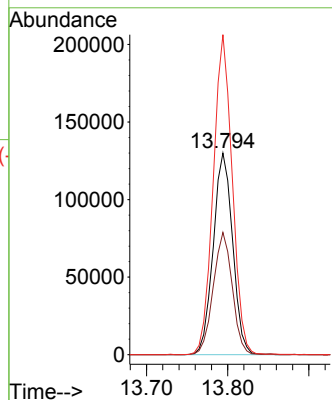
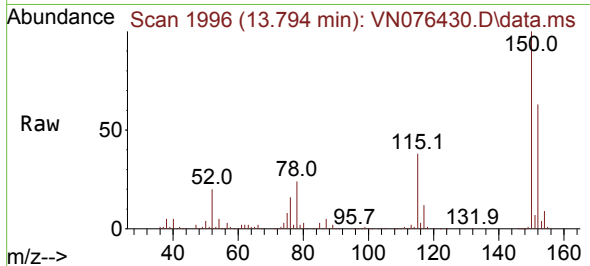




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN076430.D
 Acq: 27 Jan 2023 10:42

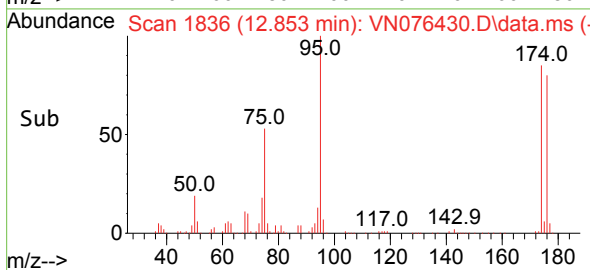
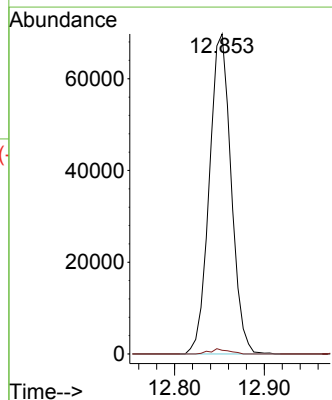
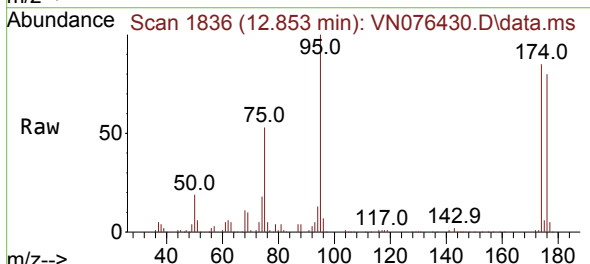
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBL01

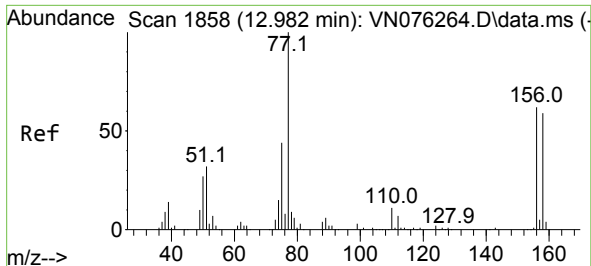
Tgt Ion:152 Resp: 215925
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.6 88.9
 150 155.7 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 29.510 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076430.D
 Acq: 27 Jan 2023 10:42

Tgt Ion: 75 Resp: 117609
 Ion Ratio Lower Upper
 75 100
 77 1.4 75.2 225.6#

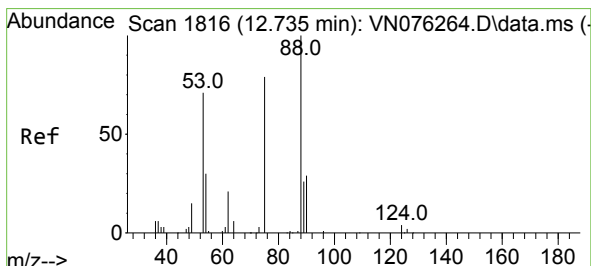
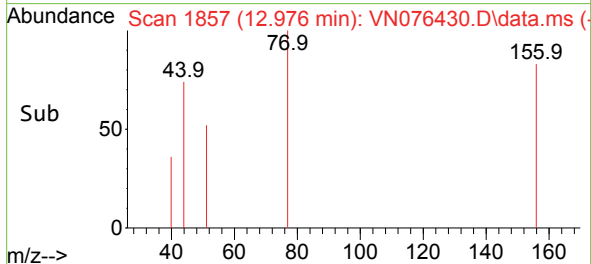
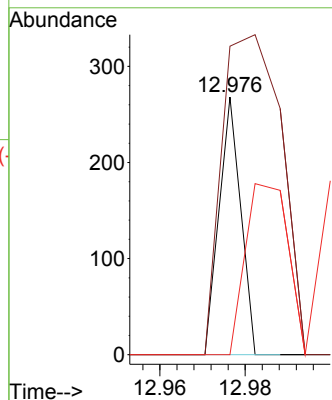
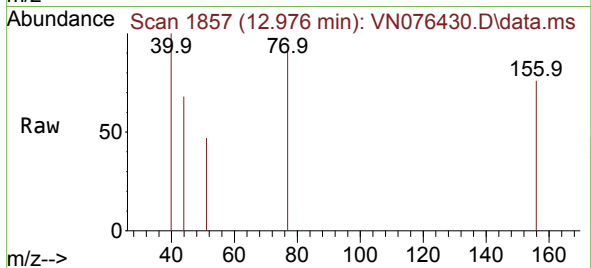




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

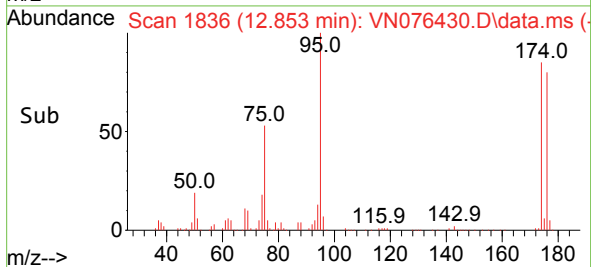
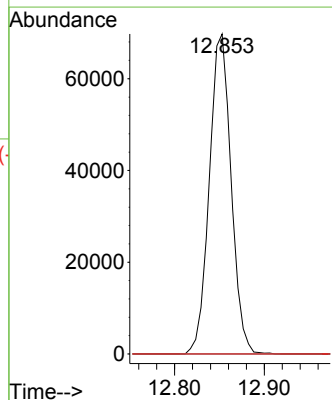
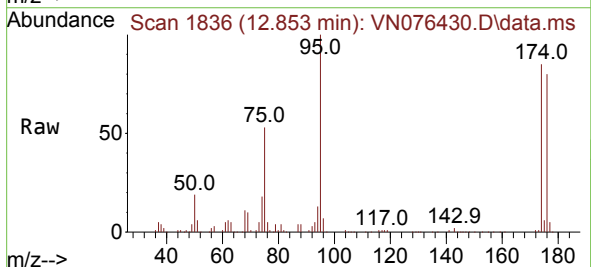
Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

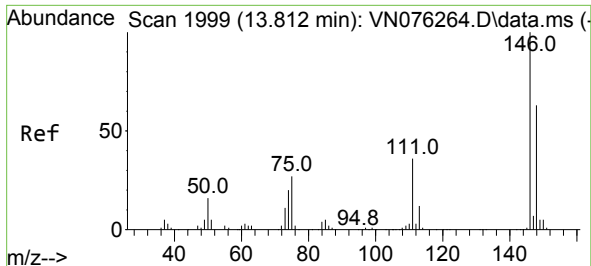
Tgt Ion:156 Resp: 95
Ion Ratio Lower Upper
156 100
77 337.9 93.4 280.2#
158 0.0 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.625 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076430.D
Acq: 27 Jan 2023 10:42

Tgt Ion: 75 Resp: 117609
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

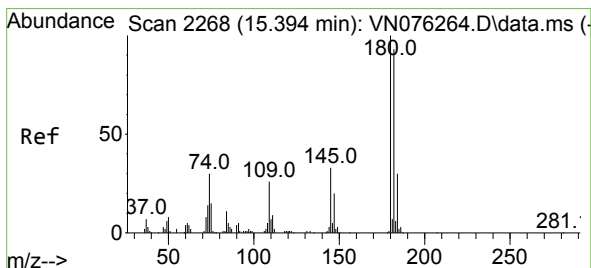
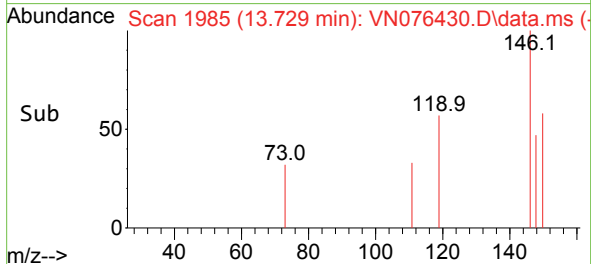
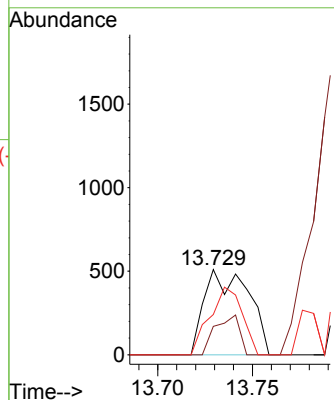
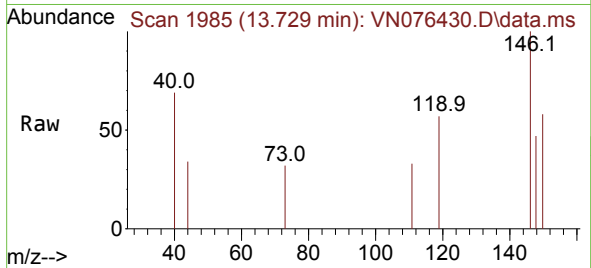




#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.729 min Scan# 1999
 Delta R.T. -0.083 min
 Lab File: VN076430.D
 Acq: 27 Jan 2023 10:42

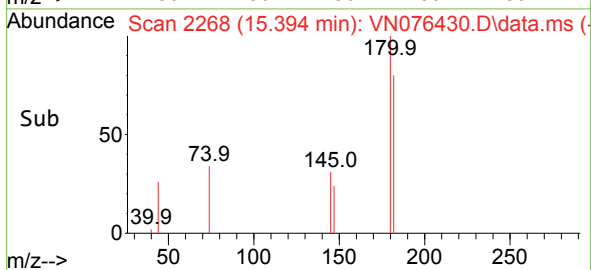
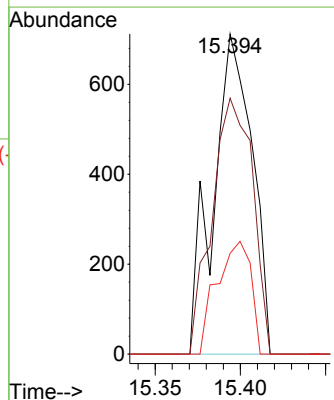
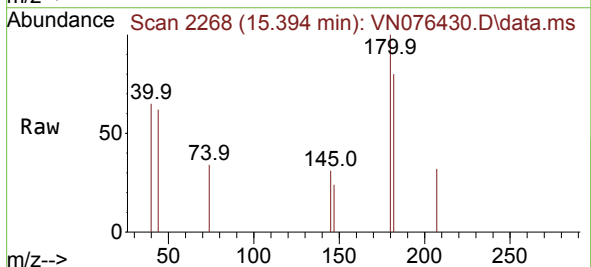
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBL01

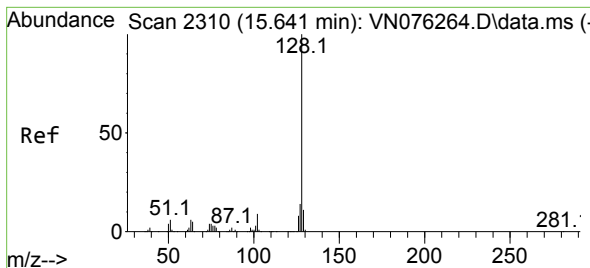
Tgt Ion:146 Resp: 823
 Ion Ratio Lower Upper
 146 100
 111 25.6 19.1 57.5
 148 58.3 31.9 95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 1.596 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076430.D
 Acq: 27 Jan 2023 10:42

Tgt Ion:180 Resp: 1130
 Ion Ratio Lower Upper
 180 100
 182 83.5 47.0 141.2
 145 30.9 15.2 45.5





#95

Naphthalene

Concen: 2.206 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBL01

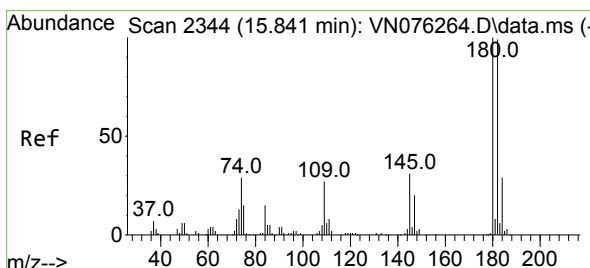
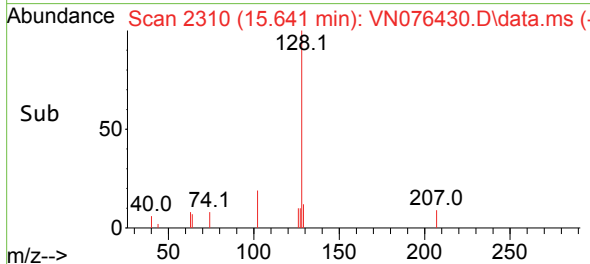
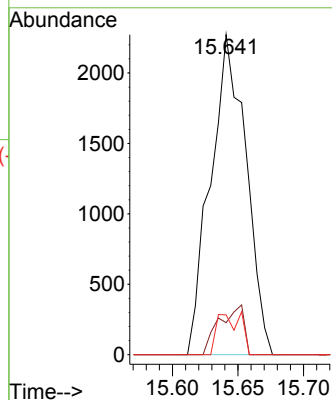
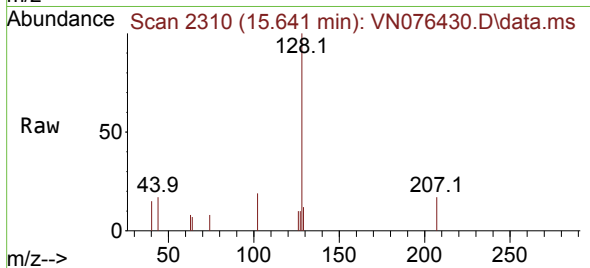
Tgt Ion:128 Resp: 4274

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 8.6 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.458 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076430.D

Acq: 27 Jan 2023 10:42

Tgt Ion:180 Resp: 1124

Ion Ratio Lower Upper

180 100

182 92.9 47.5 142.5

145 10.7 15.9 47.6#

