

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076449.D
 Acq On : 30 Jan 2023 11:55
 Operator : JC\MD
 Sample : VN0130WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:35:25 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)

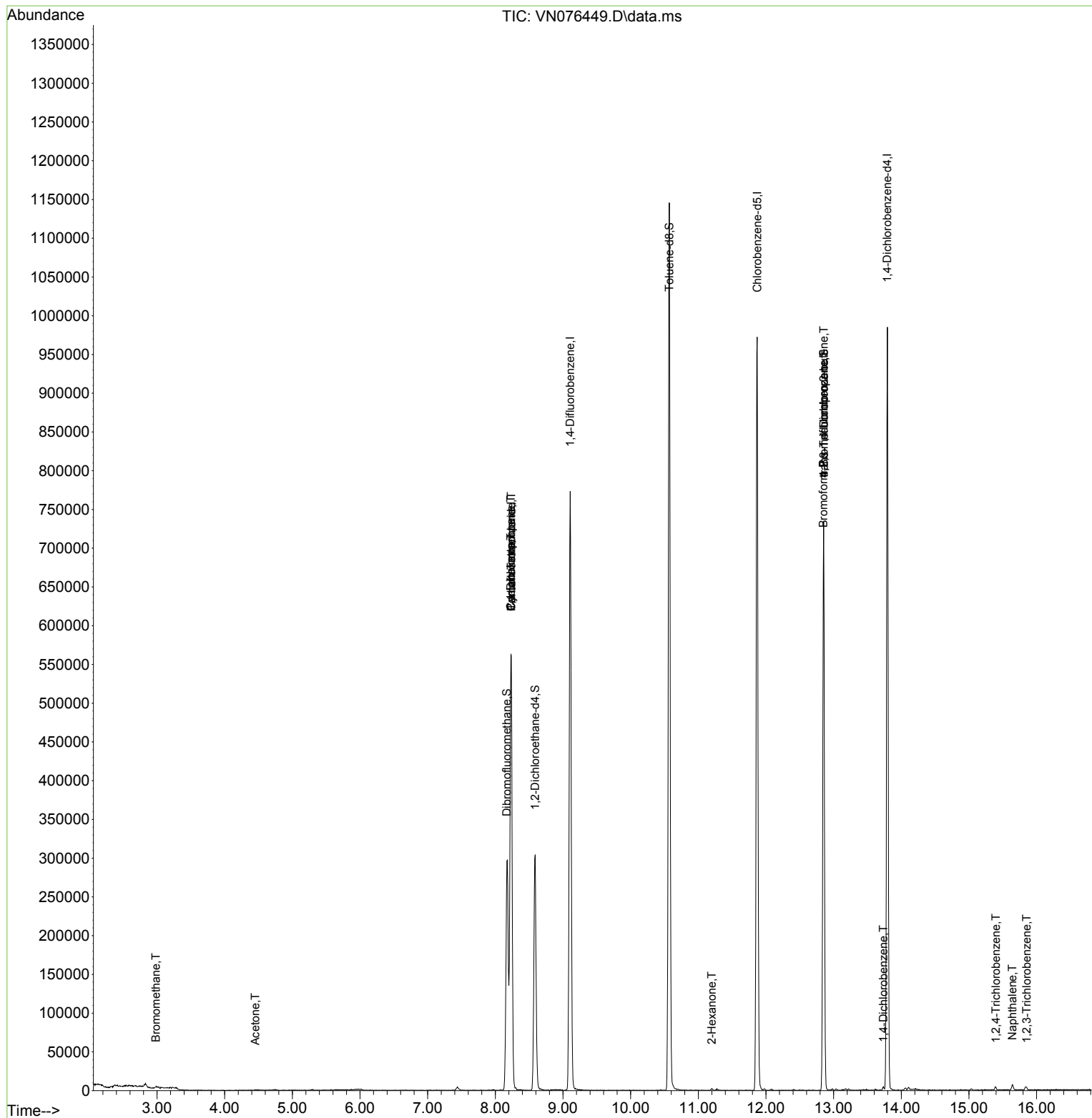
Internal Standards						
1) Pentafluorobenzene	8.235	168	425433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	584978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	265225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255329	53.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.200%			
35) Dibromofluoromethane	8.171	113	214987	49.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.840%			
50) Toluene-d8	10.571	98	798654	50.213	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.420%			
62) 4-Bromofluorobenzene	12.853	95	241806	46.570	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.140%			
Target Compounds			Qvalue			
5) Bromomethane	2.983	94	1293	0.285	ug/l	83
16) Acetone	4.453	43	1041	0.608	ug/l #	41
20) Methylene Chloride	5.294	84	516	Below Cal	#	25
31) Cyclohexane	8.230	56	8976	1.227	ug/l #	5
36) 1,1-Dichloropropene	8.230	75	34326	5.609	ug/l #	49
38) Carbon Tetrachloride	8.235	117	43605	6.389	ug/l #	16
59) 2-Hexanone	11.200	43	1730	0.509	ug/l	86
71) Bromoform	12.847	173	742	0.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	130259	26.514	ug/l #	1
77) Bromobenzene	12.982	156	428	Below Cal		89
81) trans-1,4-Dichloro-2-b...	12.853	75	130259	81.715	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	1550	0.269	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	2089	1.742	ug/l	73
95) Naphthalene	15.641	128	7204	2.342	ug/l	96
96) 1,2,3-Trichlorobenzene	15.853	180	1872	1.566	ug/l	98

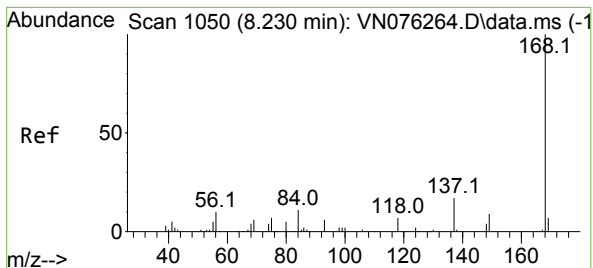
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
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QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1050

Delta R.T. 0.005 min

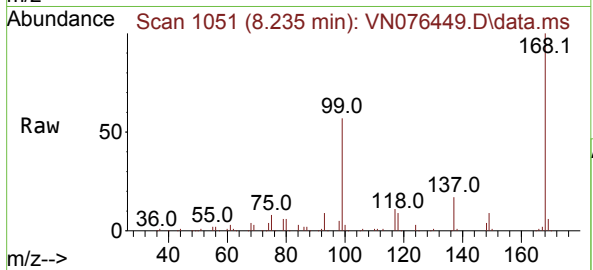
Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :

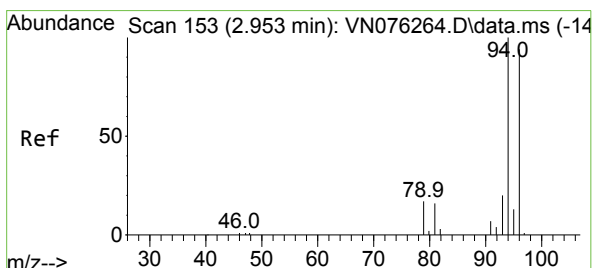
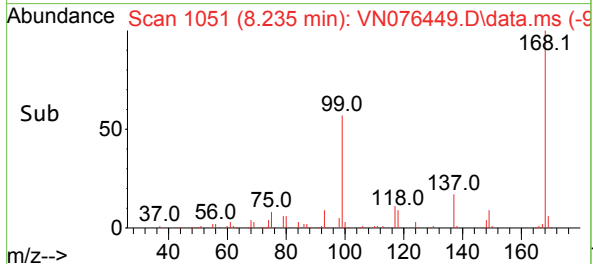
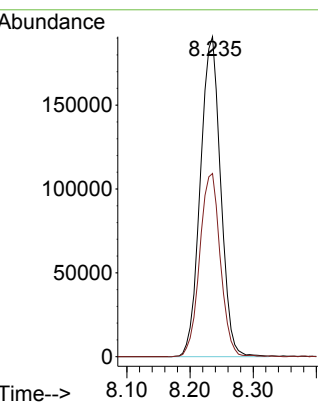


Tgt Ion:168 Resp: 425433

Ion Ratio Lower Upper

168 100

99 57.3 41.6 62.4



#5

Bromomethane

Concen: 0.285 ug/l

RT: 2.983 min Scan# 158

Delta R.T. 0.030 min

Lab File: VN076449.D

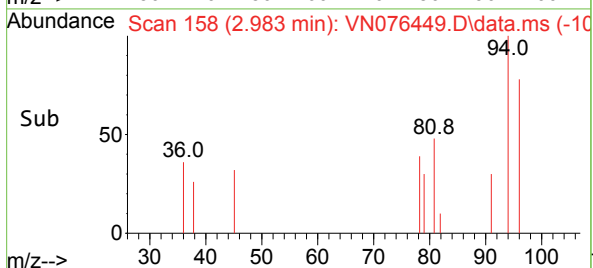
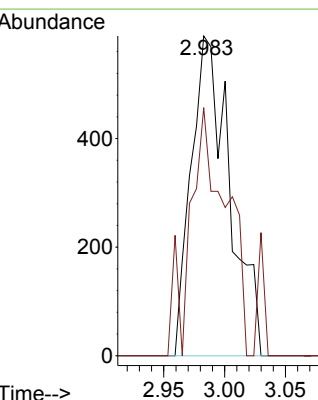
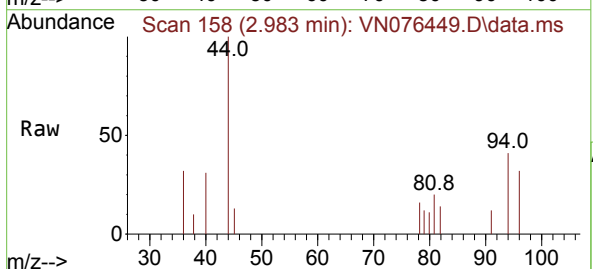
Acq: 30 Jan 2023 11:55

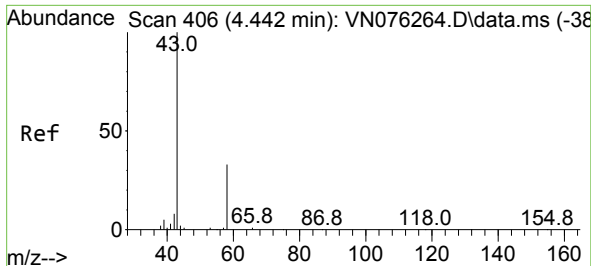
Tgt Ion: 94 Resp: 1293

Ion Ratio Lower Upper

94 100

96 77.6 75.1 112.7





#16

Acetone

Concen: 0.608 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.011 min

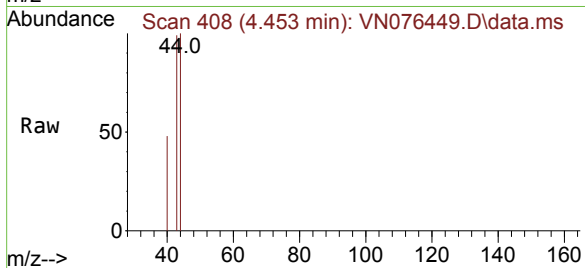
Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :

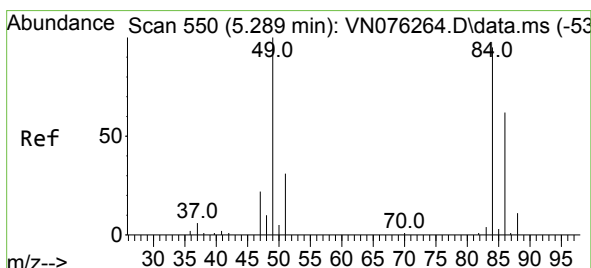
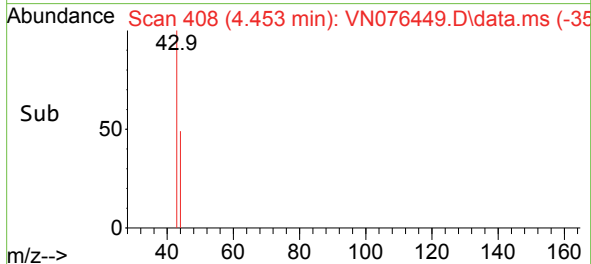
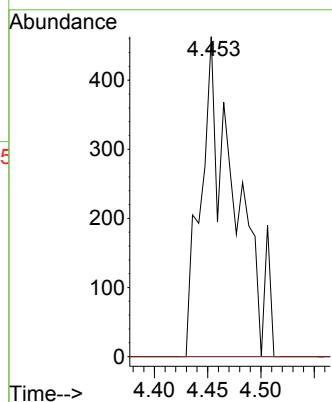


Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 551

Delta R.T. 0.005 min

Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

Tgt Ion: 84 Resp: 516

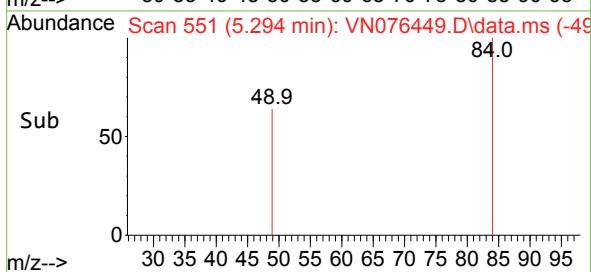
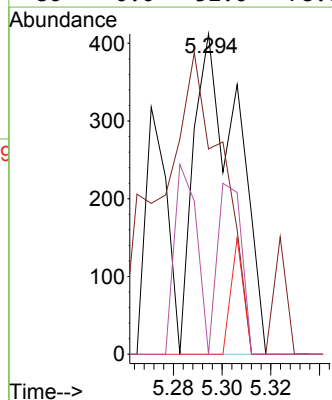
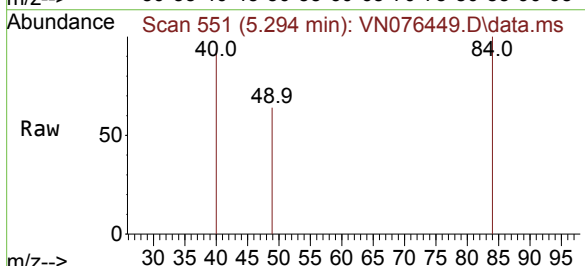
Ion Ratio Lower Upper

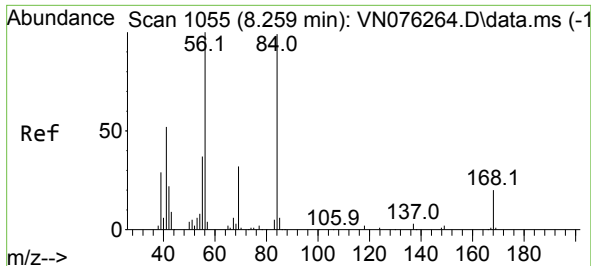
84 100

49 27.4 84.5 126.7#

51 0.0 26.0 39.0#

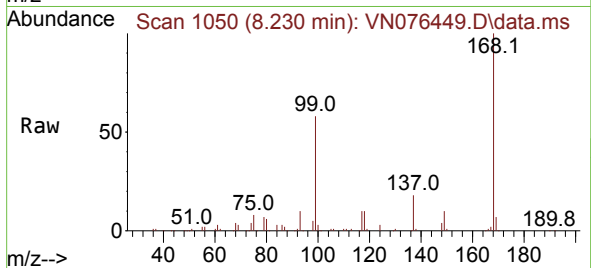
86 0.0 52.0 78.0#



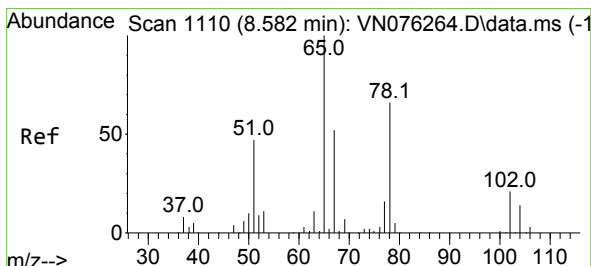
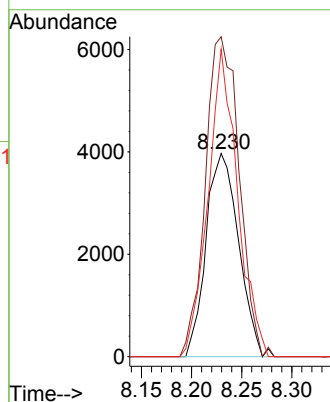
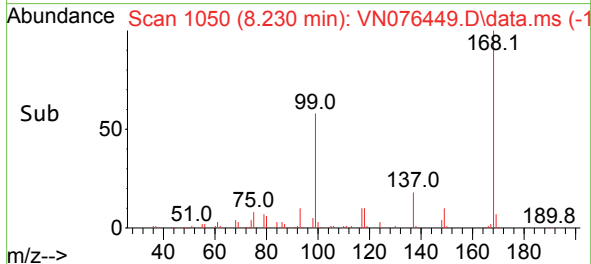


#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

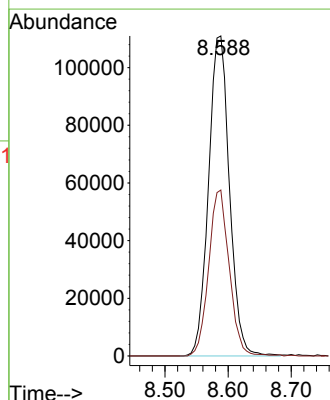
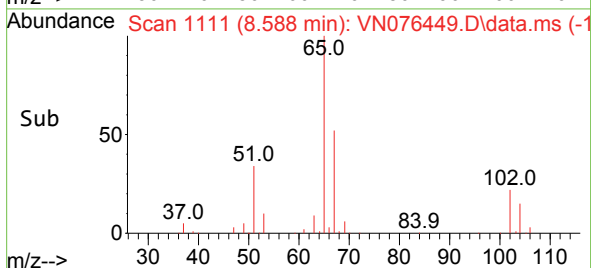
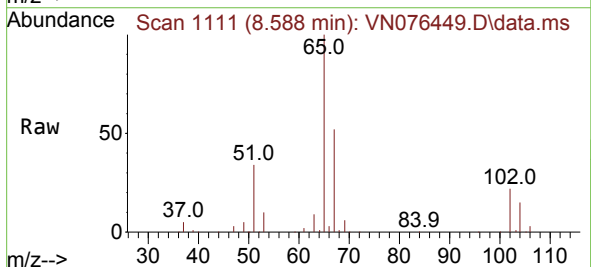


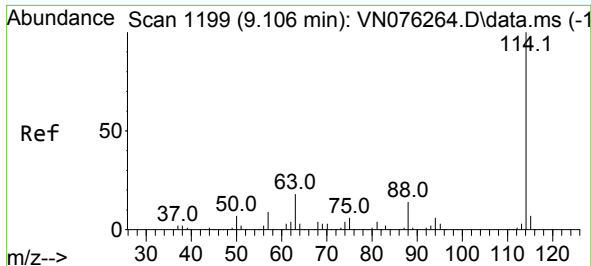
Tgt Ion: 56 Resp: 8976
Ion Ratio Lower Upper
56 100
69 157.5 25.8 38.8#
84 151.2 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 53.601 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Tgt Ion: 65 Resp: 255329
Ion Ratio Lower Upper
65 100
67 50.9 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: VN076449.D

Acq: 30 Jan 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :

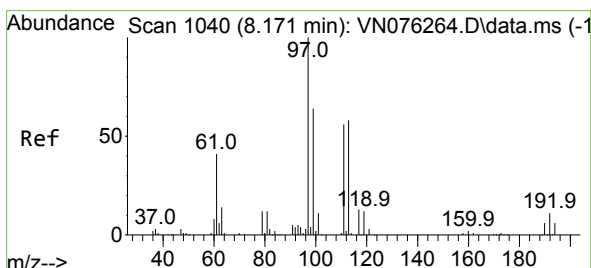
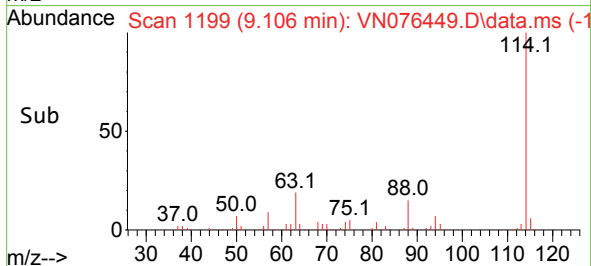
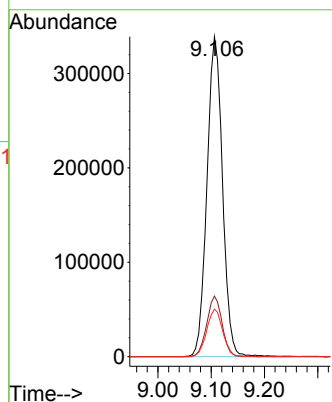
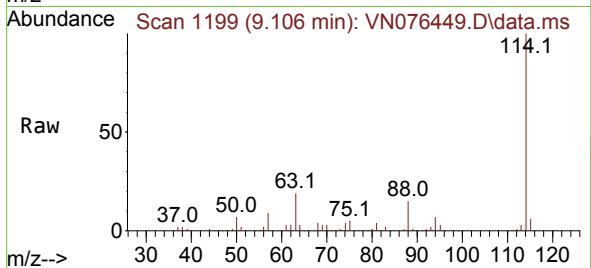
Tgt Ion:114 Resp: 688481

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.8

88 14.8 0.0 28.0



#35

Dibromofluoromethane

Concen: 49.919 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

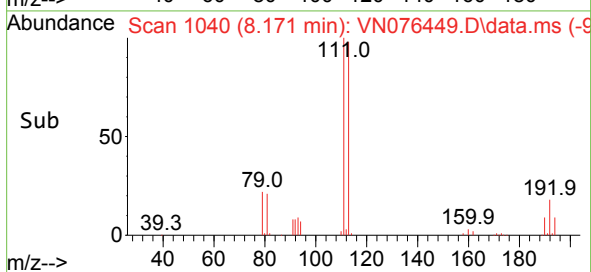
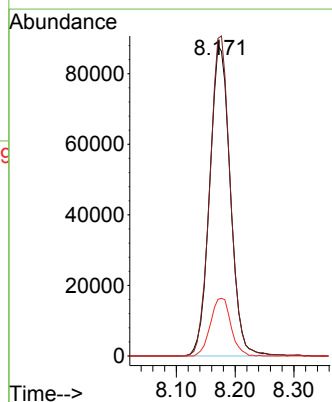
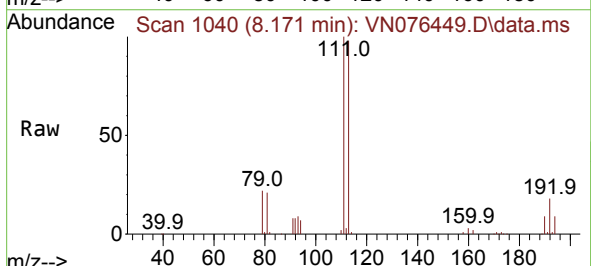
Tgt Ion:113 Resp: 214987

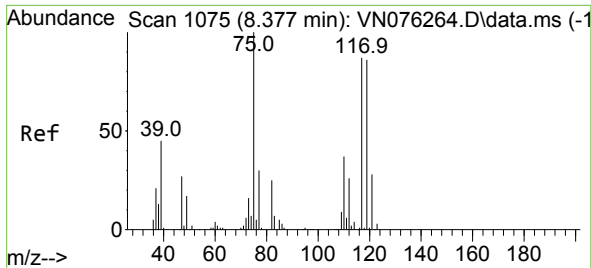
Ion Ratio Lower Upper

113 100

111 101.8 82.7 124.1

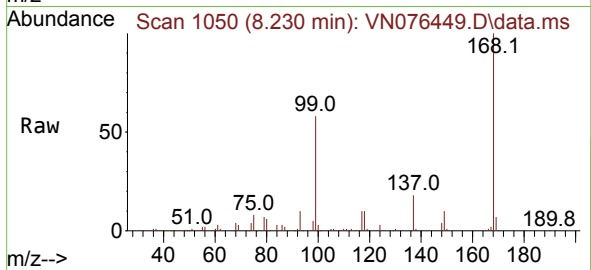
192 18.4 15.6 23.4



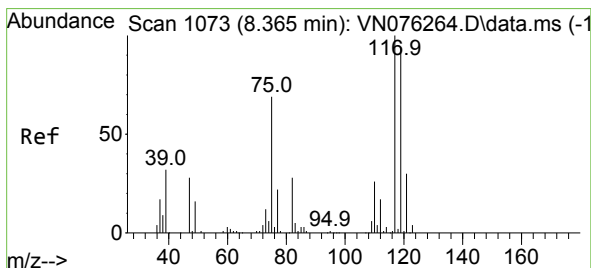
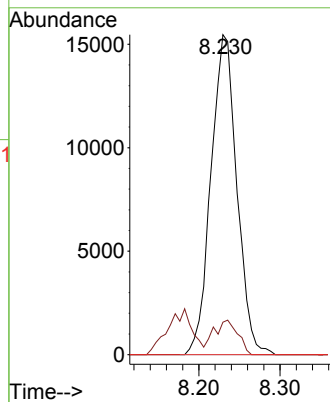
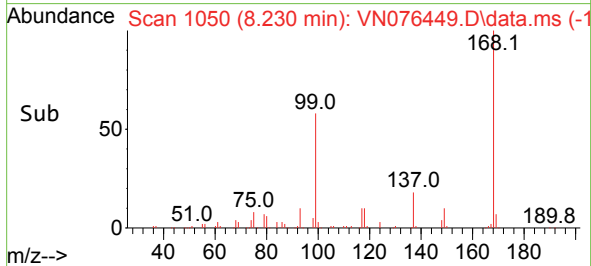


#36
1,1-Dichloropropene
Concen: 5.609 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Instrument :
MSVOA_N
ClientSampleId :

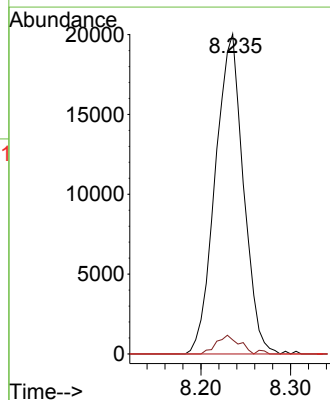
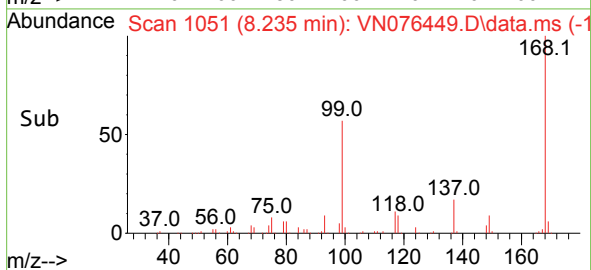
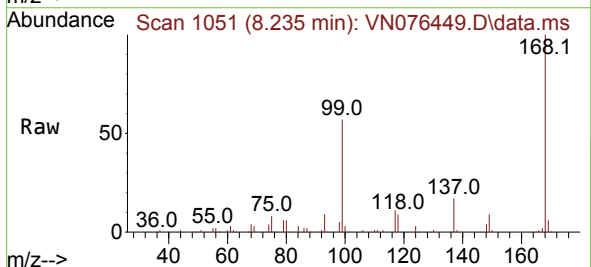


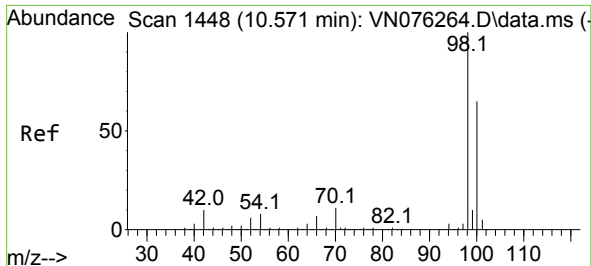
Tgt Ion: 75 Resp: 34326
Ion Ratio Lower Upper
75 100
110 10.0 18.8 56.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Tgt Ion: 117 Resp: 43605
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.0#
121 0.0 24.2 36.2#

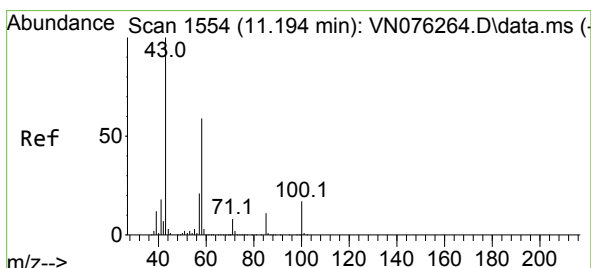
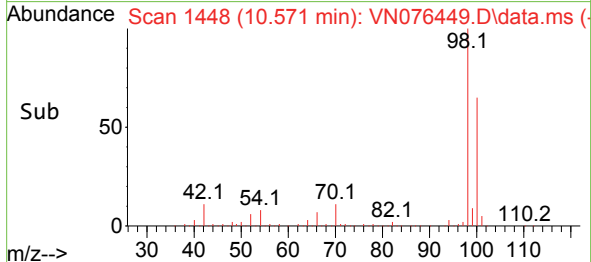
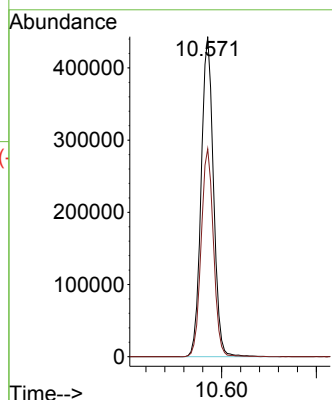
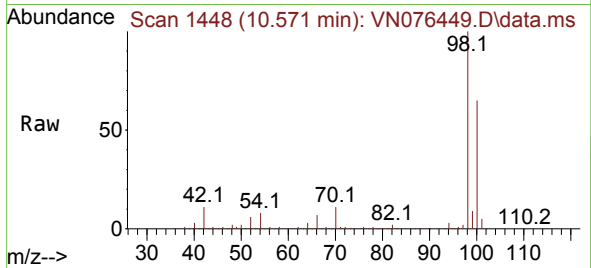




#50
Toluene-d8
Concen: 50.213 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

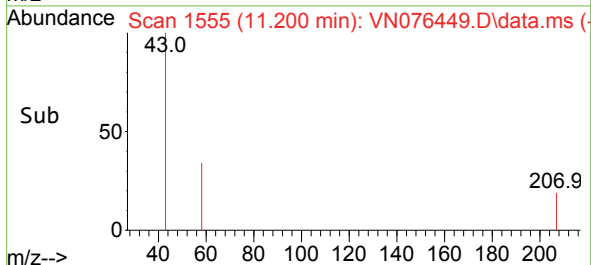
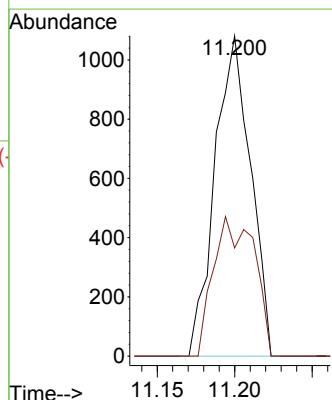
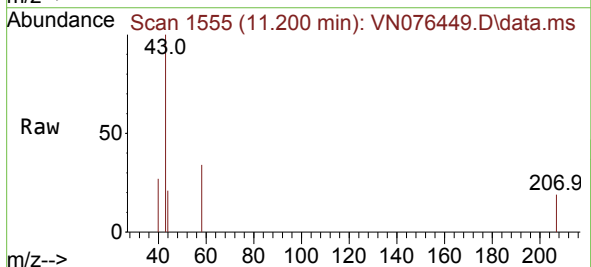
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MSVOA_N
ClientSampleId :

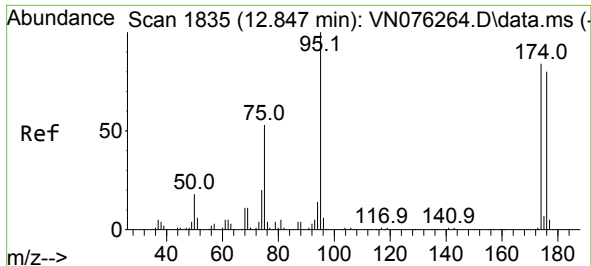
Tgt Ion: 98 Resp: 798654
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#59
2-Hexanone
Concen: 0.509 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 49.8 30.1 90.3

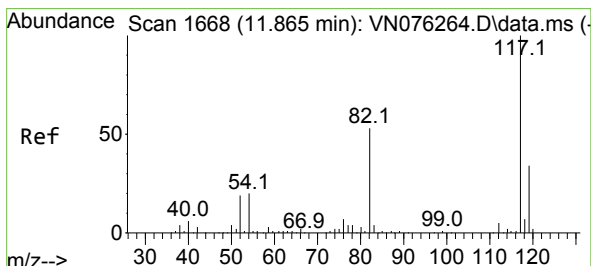
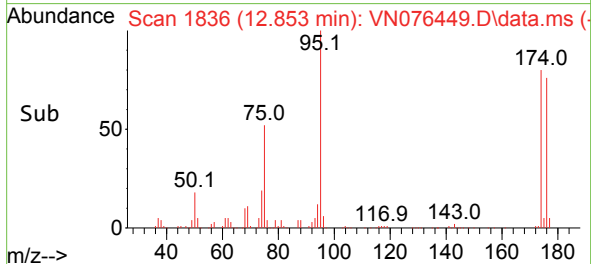
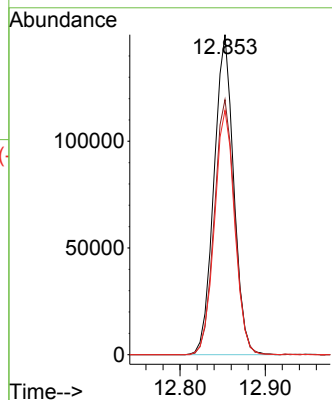
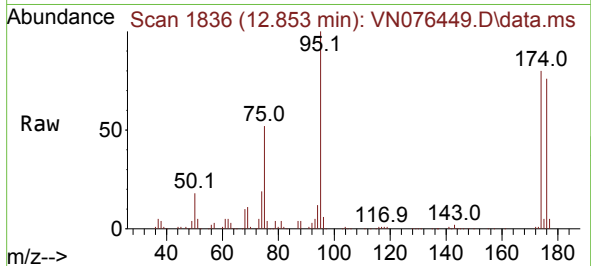




#62
4-Bromofluorobenzene
Concen: 46.570 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

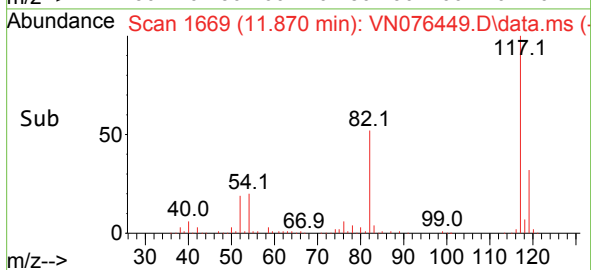
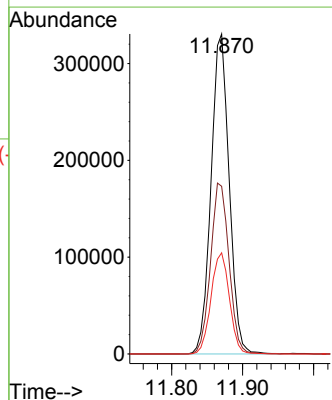
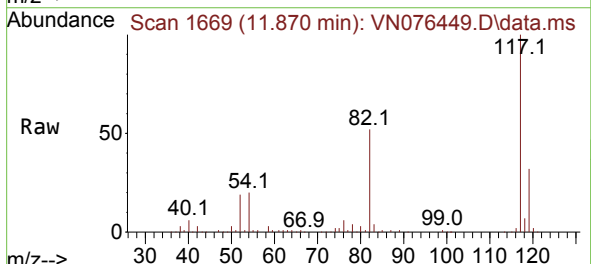
Instrument :
MSVOA_N
ClientSampleId :

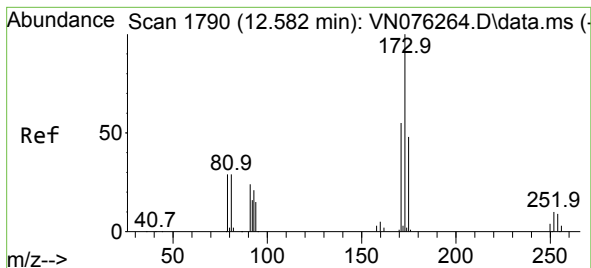
Tgt Ion: 95 Resp: 241806
Ion Ratio Lower Upper
95 100
174 82.5 0.0 174.6
176 78.4 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Tgt Ion: 117 Resp: 584978
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.2
119 31.6 26.9 40.3





#71

Bromoform

Concen: 0.223 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

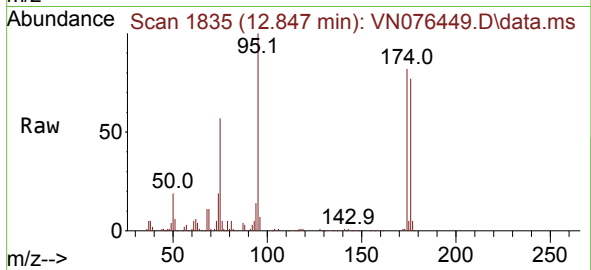
Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

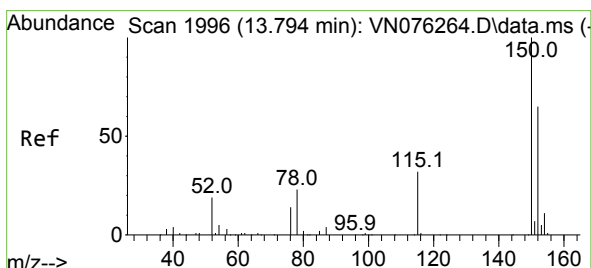
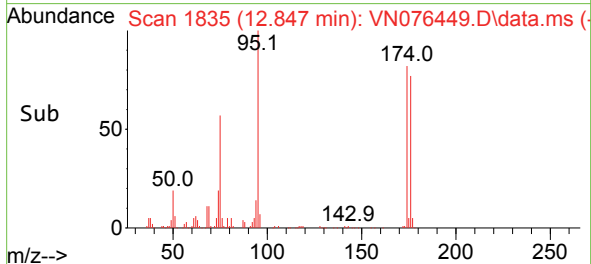
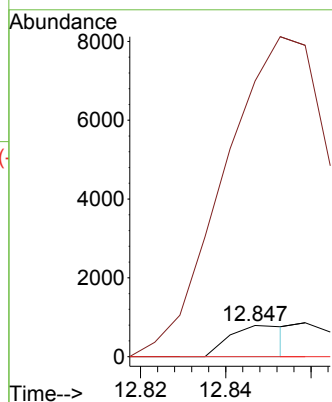
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	742
Ion Ratio	Lower	Upper	
173	100		
175	1557.4	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

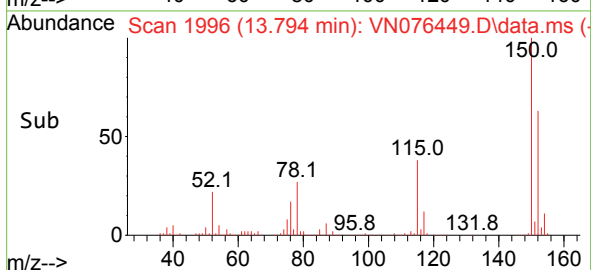
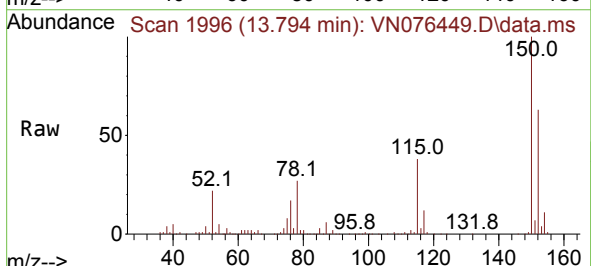
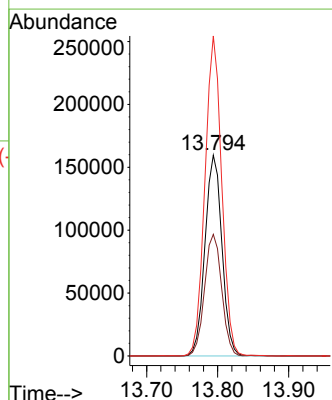
RT: 13.794 min Scan# 1996

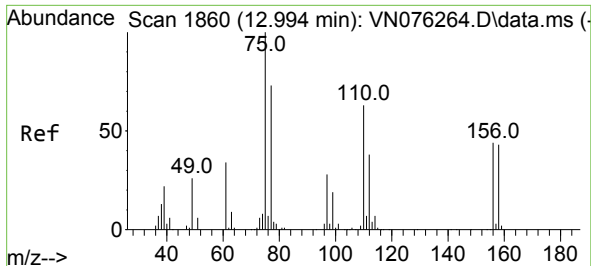
Delta R.T. -0.000 min

Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

Tgt Ion:	152	Resp:	265225
Ion Ratio	Lower	Upper	
152	100		
115	61.2	29.6	88.9
150	157.8	0.0	351.4

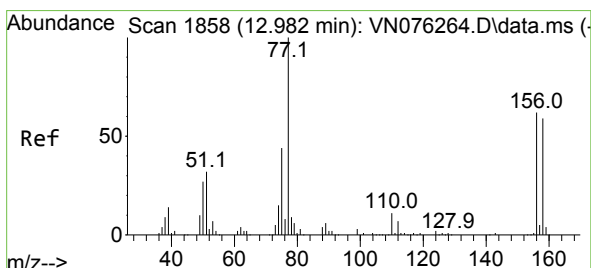
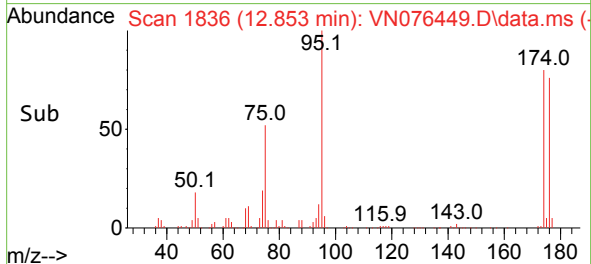
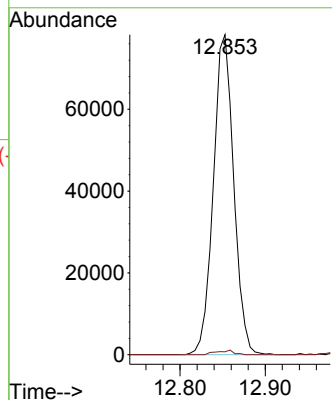
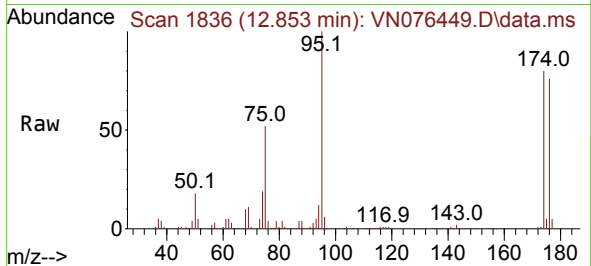




#76
1,2,3-Trichloropropane
Concen: 26.514 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

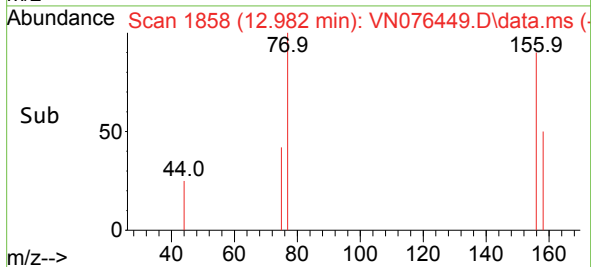
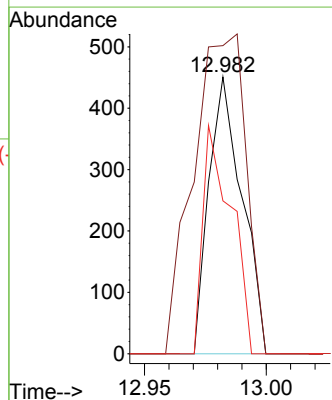
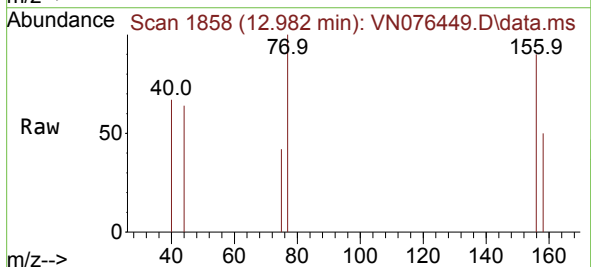
Instrument :
MSVOA_N
ClientSampleId :

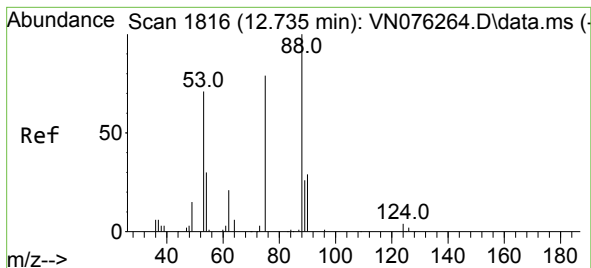
Tgt Ion: 75 Resp: 130259
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Tgt Ion:156 Resp: 428
Ion Ratio Lower Upper
156 100
77 183.4 93.4 280.2
158 70.3 48.4 145.2

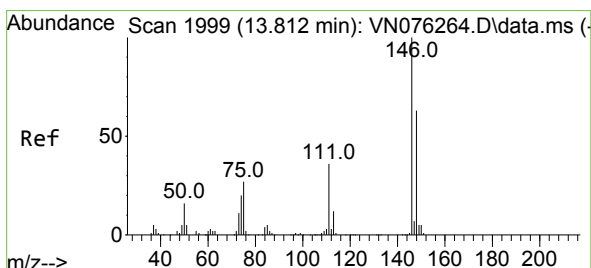
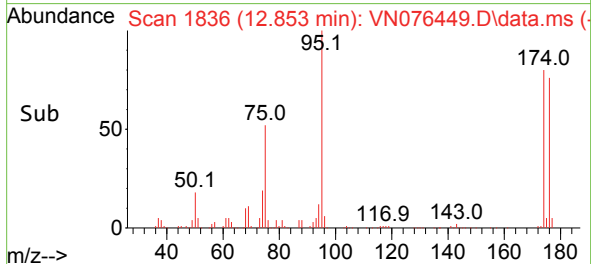
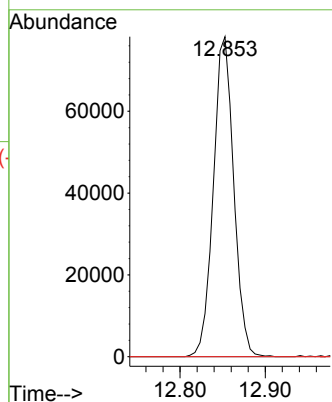
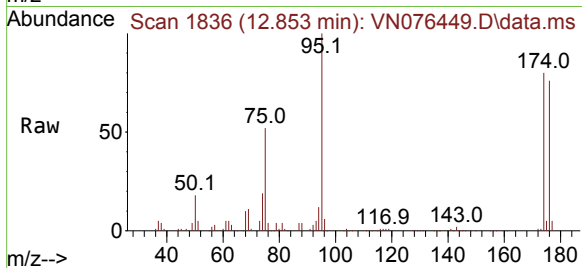




#81
trans-1,4-Dichloro-2-butene
Concen: 81.715 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

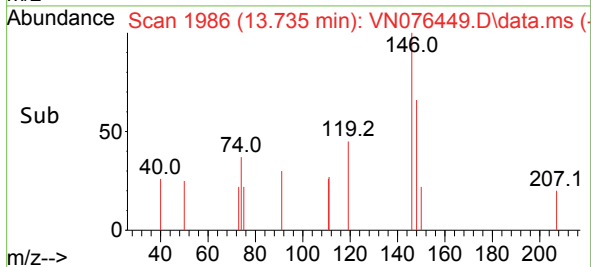
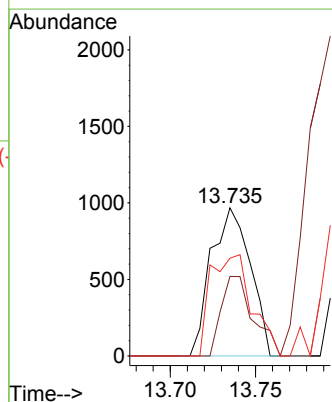
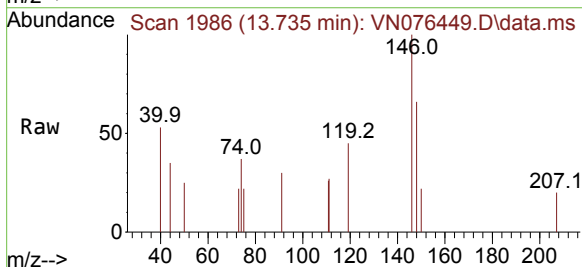
Instrument :
MSVOA_N
ClientSampleId :

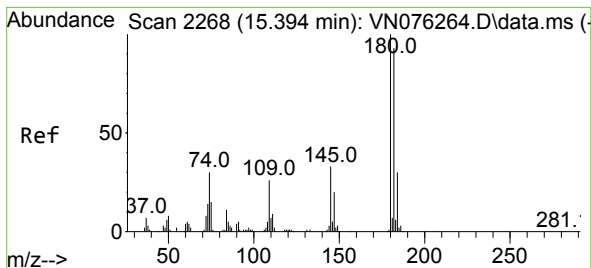
Tgt Ion: 75 Resp: 130259
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.269 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.077 min
Lab File: VN076449.D
Acq: 30 Jan 2023 11:55

Tgt Ion:146 Resp: 1550
Ion Ratio Lower Upper
146 100
111 43.8 19.1 57.5
148 71.9 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 1.742 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

Instrument :

MSVOA_N

ClientSampleId :

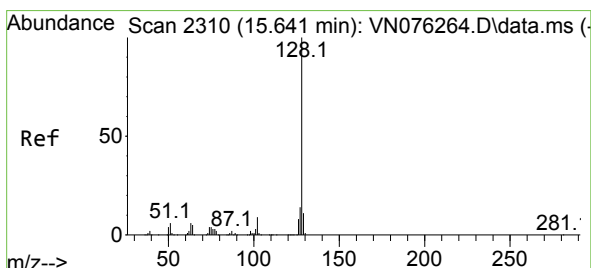
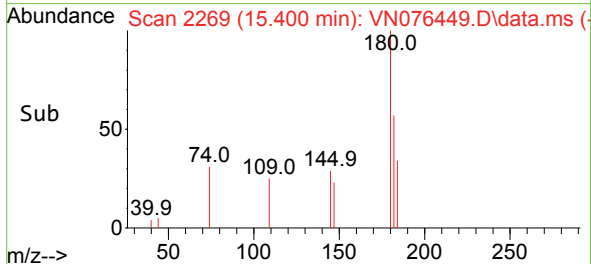
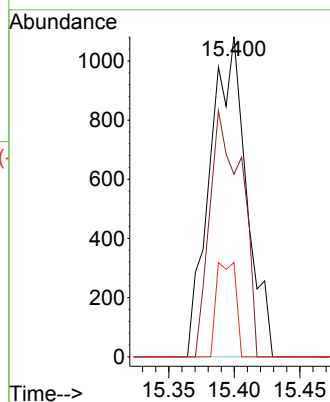
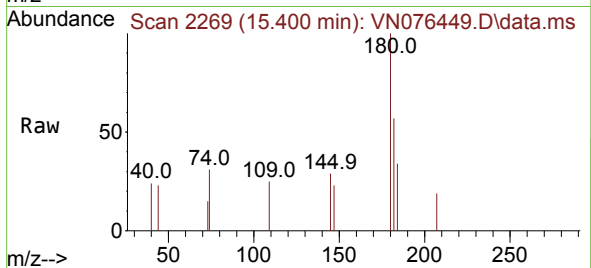
Tgt Ion:180 Resp: 2089

Ion Ratio Lower Upper

180 100

182 67.9 47.0 141.2

145 15.7 15.2 45.5



#95

Naphthalene

Concen: 2.342 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

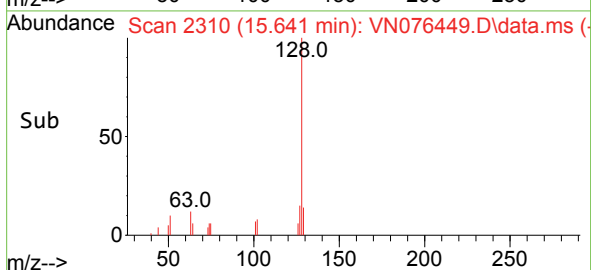
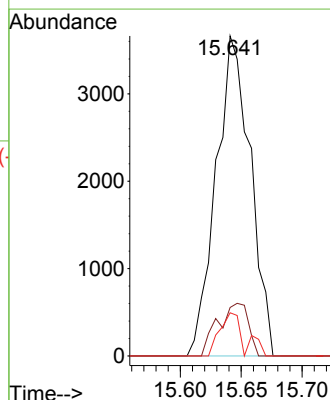
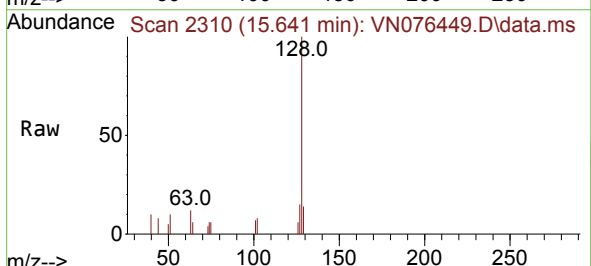
Tgt Ion:128 Resp: 7204

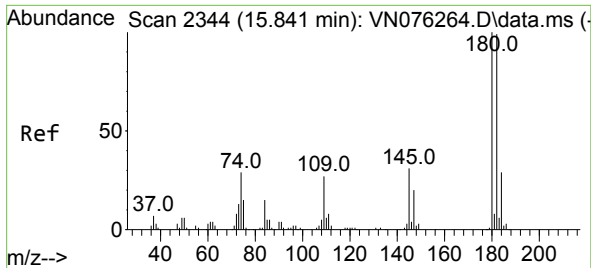
Ion Ratio Lower Upper

128 100

127 14.6 10.3 15.5

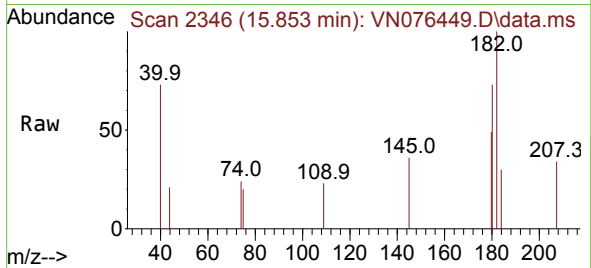
129 9.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.566 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076449.D
 Acq: 30 Jan 2023 11:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	1872
Ion	Ratio	Lower Upper
180	100	
182	95.8	47.5 142.5
145	33.8	15.9 47.6

