

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076706.D
 Acq On : 16 Feb 2023 13:03
 Operator : JC\MD
 Sample : 01578-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:09:07 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)

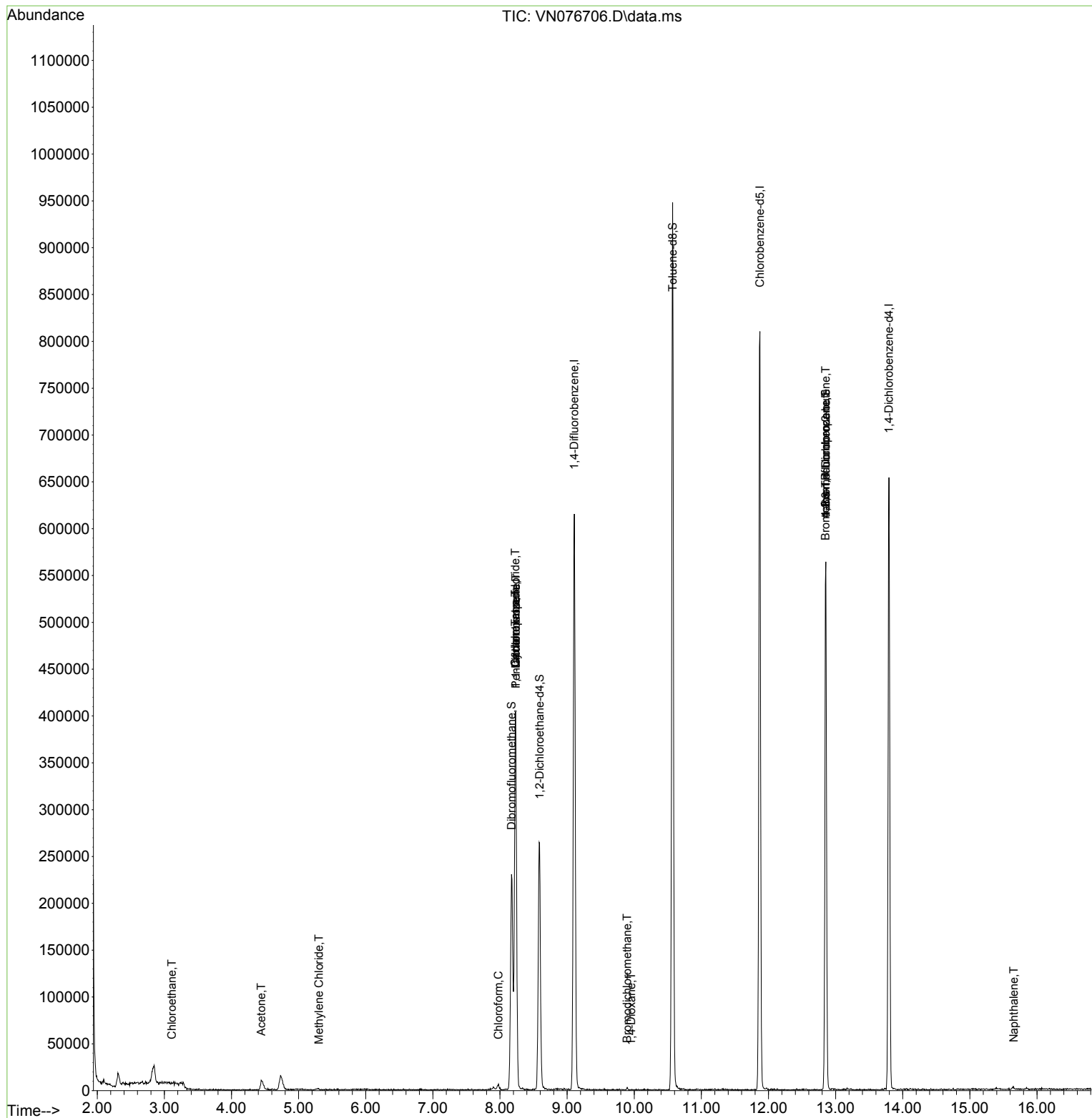
Internal Standards						
1) Pentafluorobenzene	8.237	168	284827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	517115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	446331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	165225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	206581	52.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.040%	
35) Dibromofluoromethane	8.172	113	159061	46.969	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.940%	
50) Toluene-d8	10.572	98	623964	49.337	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.854	95	179160	42.772	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.540%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.113	64	1196	0.487	ug/l #	44
16) Acetone	4.443	43	19228	10.945	ug/l	90
20) Methylene Chloride	5.301	84	847	0.230	ug/l #	27
30) Chloroform	7.978	83	4412	0.674	ug/l	95
31) Cyclohexane	8.231	56	7650	1.240	ug/l #	13
36) 1,1-Dichloropropene	8.237	75	25275	5.166	ug/l #	49
38) Carbon Tetrachloride	8.231	117	30641	6.208	ug/l #	14
47) Bromodichloromethane	9.895	83	1249	0.245	ug/l #	94
49) 1,4-Dioxane	9.954	88	54	0.785	ug/l #	23
71) Bromoform	12.848	173	1066	0.423	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	101693	30.444	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	101693	88.669	ug/l #	4
95) Naphthalene	15.654	128	2578	0.291	ug/l #	82

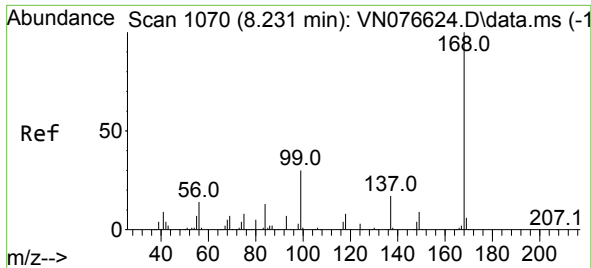
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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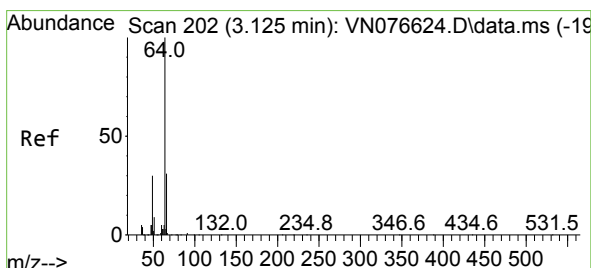
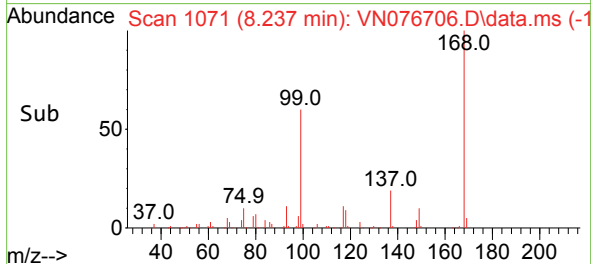
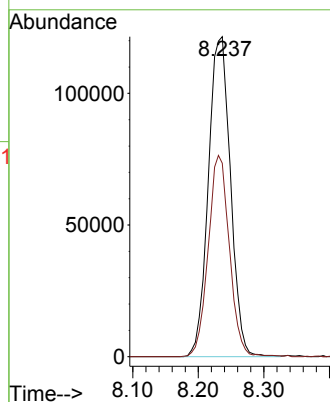
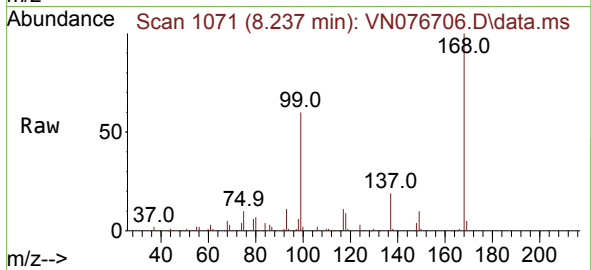




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.237 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

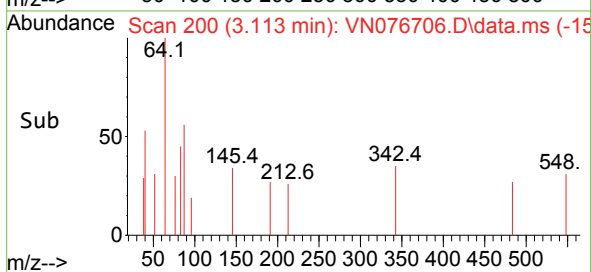
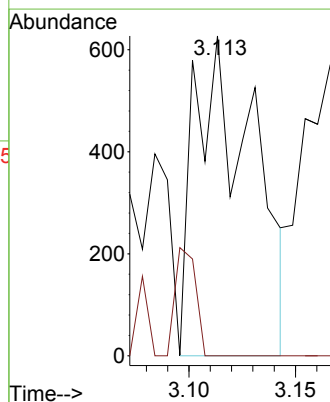
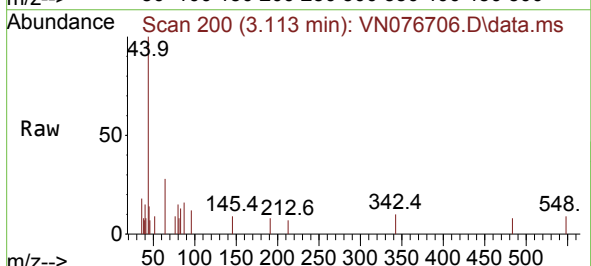
Instrument :
MSVOA_N
ClientSampleId :

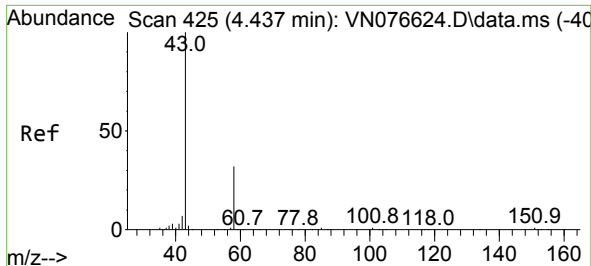
Tgt Ion:168 Resp: 284827
Ion Ratio Lower Upper
168 100
99 60.5 44.8 67.2



#6
Chloroethane
Concen: 0.487 ug/l
RT: 3.113 min Scan# 200
Delta R.T. -0.012 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

Tgt Ion: 64 Resp: 1196
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#

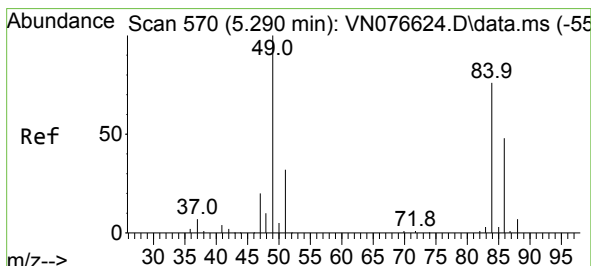
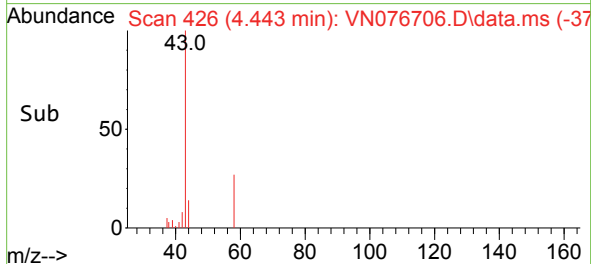
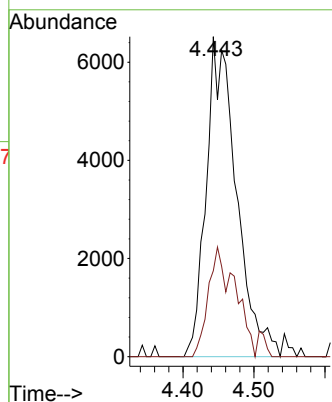
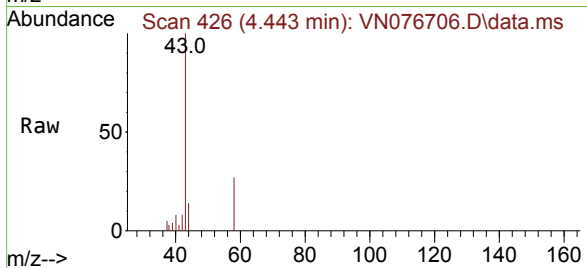




#16
Acetone
Concen: 10.945 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

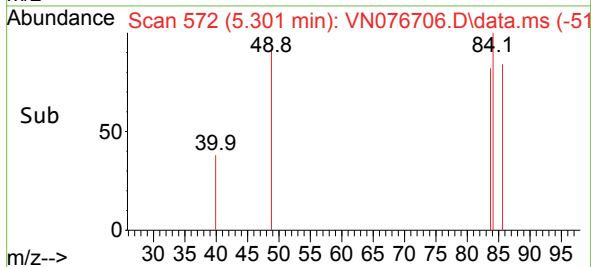
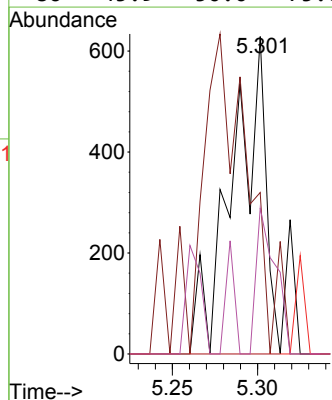
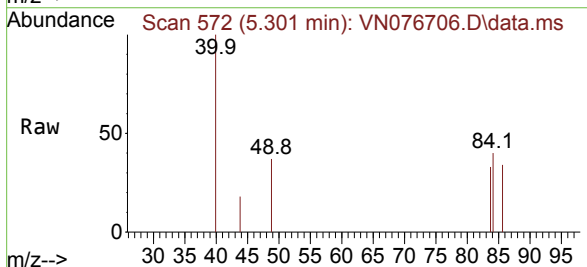
Instrument :
MSVOA_N
ClientSampleId :

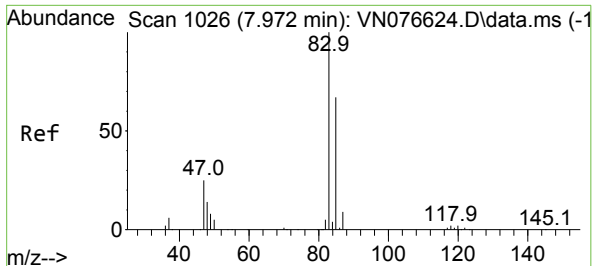
Tgt Ion: 43 Resp: 19228
Ion Ratio Lower Upper
43 100
58 26.8 25.9 38.9



#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 5.301 min Scan# 572
Delta R.T. 0.011 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

Tgt Ion: 84 Resp: 847
Ion Ratio Lower Upper
84 100
49 15.4 104.9 157.3#
51 0.0 33.8 50.8#
86 45.9 50.0 75.0#

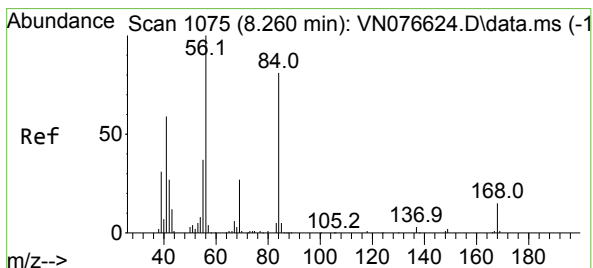
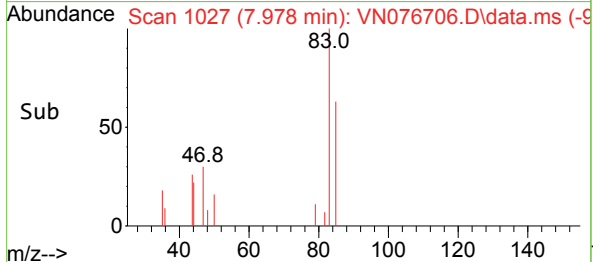
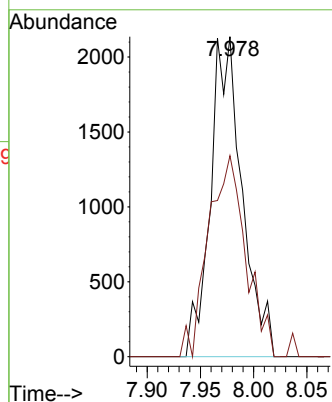
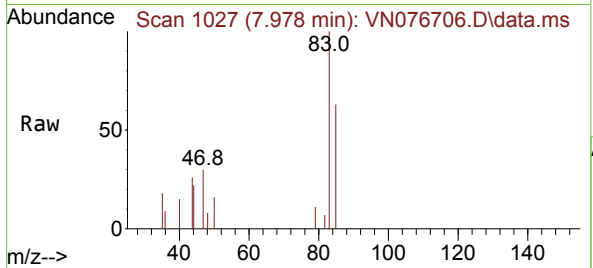




#30
Chloroform
Concen: 0.674 ug/l
RT: 7.978 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

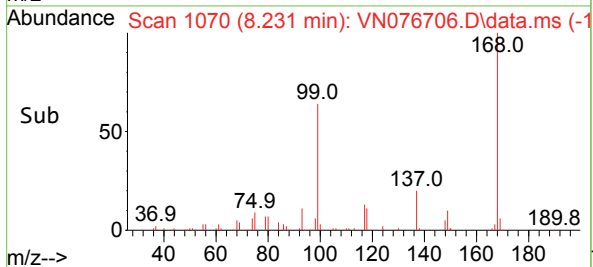
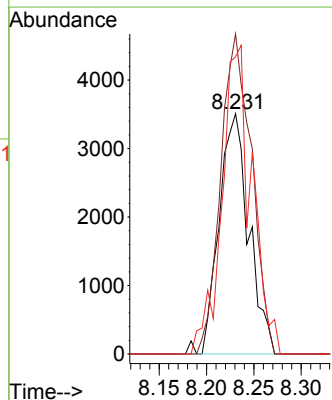
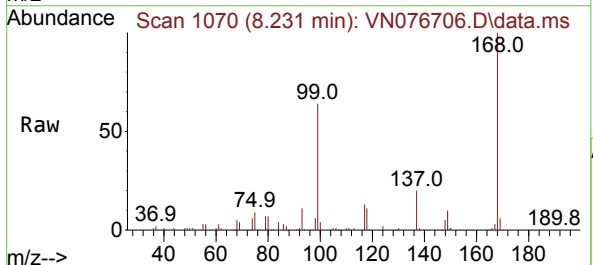
Instrument :
MSVOA_N
ClientSampleId :

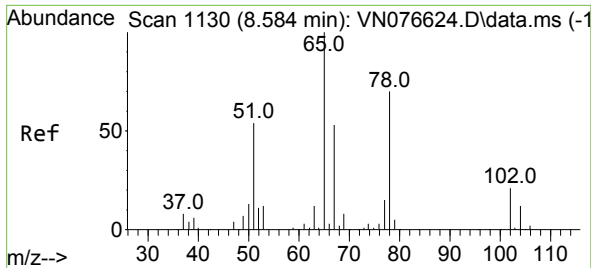
Tgt Ion: 83 Resp: 4412
Ion Ratio Lower Upper
83 100
85 62.8 53.5 80.3



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

Tgt Ion: 56 Resp: 7650
Ion Ratio Lower Upper
56 100
69 133.1 21.6 32.4#
84 123.6 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 52.525 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.005 min

Lab File: VN076706.D

Acq: 16 Feb 2023 13:03

Instrument :

MSVOA_N

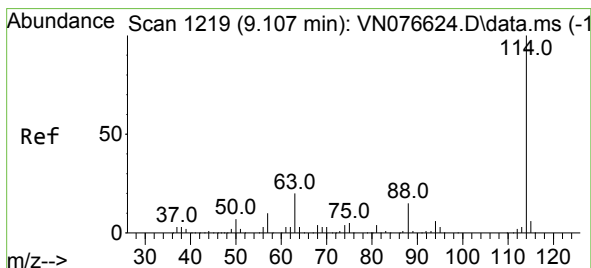
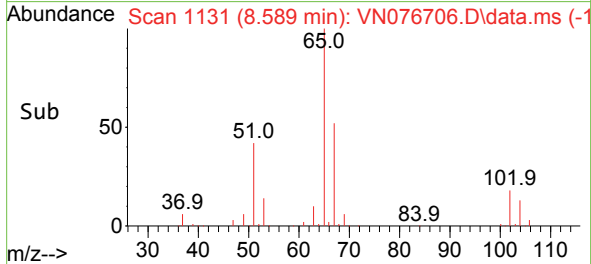
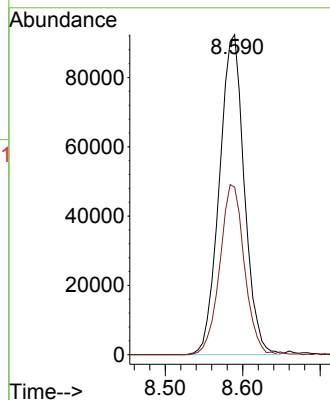
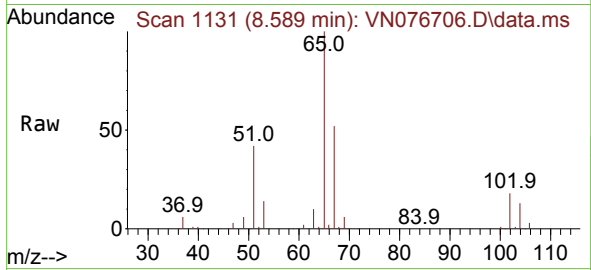
ClientSampleId :

Tgt Ion: 65 Resp: 206581

Ion Ratio Lower Upper

65 100

67 52.7 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: VN076706.D

Acq: 16 Feb 2023 13:03

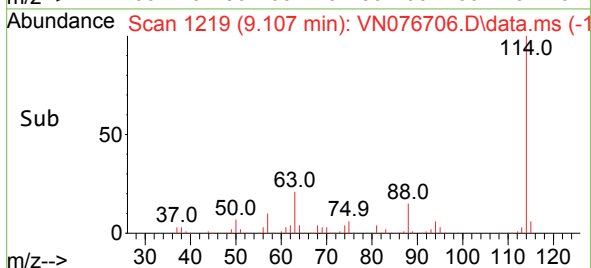
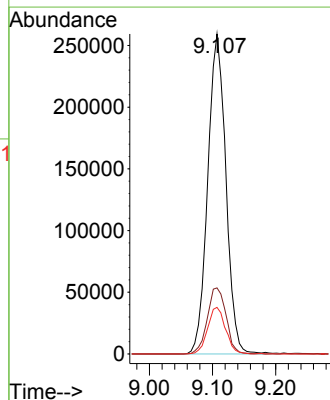
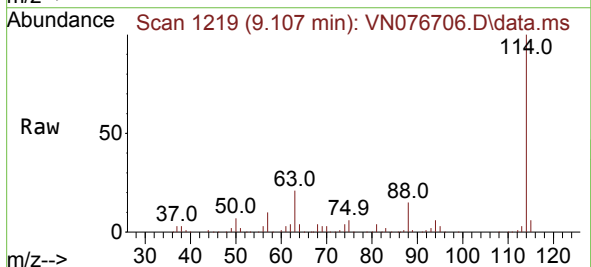
Tgt Ion: 114 Resp: 517115

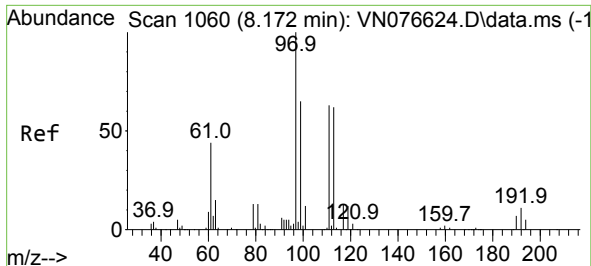
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 14.5 0.0 29.6

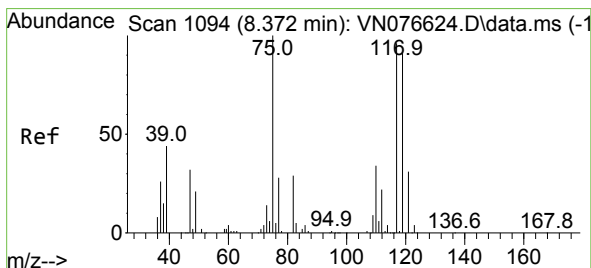
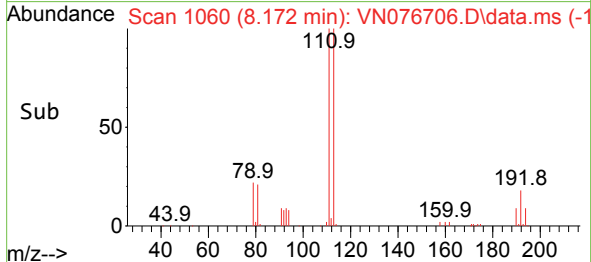
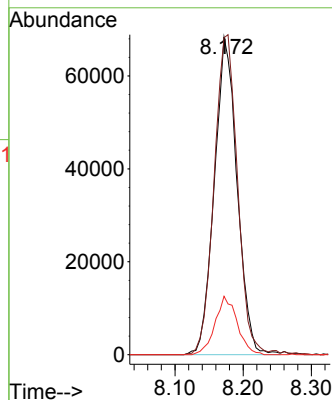
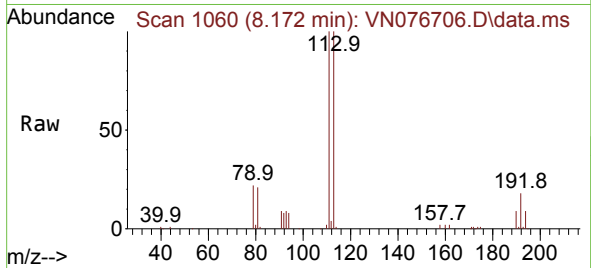




#35
Dibromofluoromethane
Concen: 46.969 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

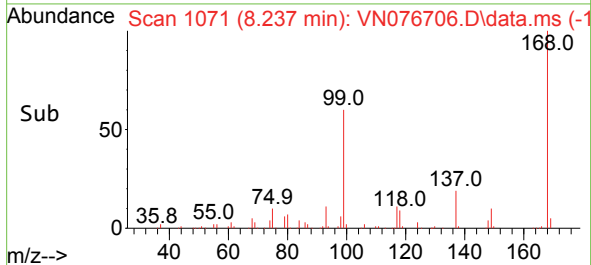
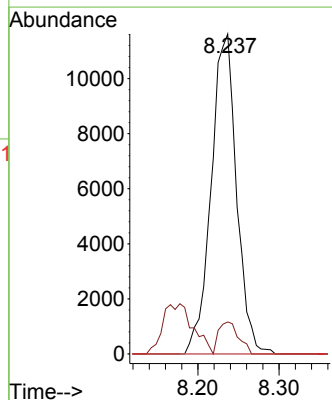
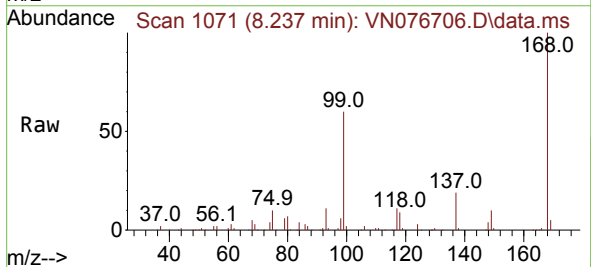
Instrument :
MSVOA_N
ClientSampleId :

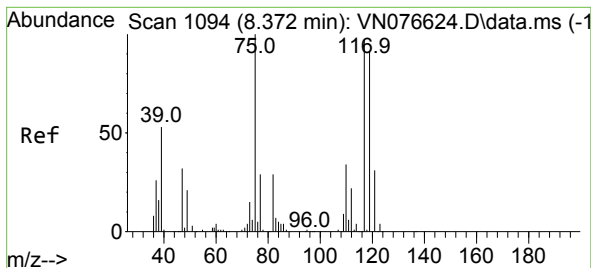
Tgt Ion:113 Resp: 159061
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 17.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.135 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

Tgt Ion: 75 Resp: 25275
Ion Ratio Lower Upper
75 100
110 7.9 17.5 52.5#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.208 ug/l

RT: 8.231 min Scan# 1094

Delta R.T. -0.141 min

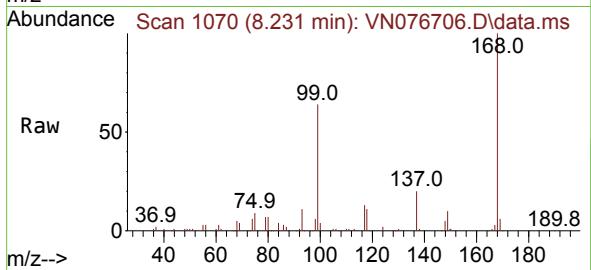
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Acq: 16 Feb 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :



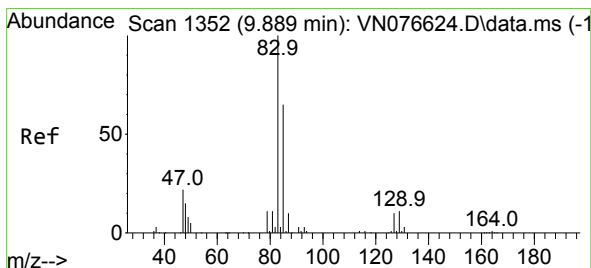
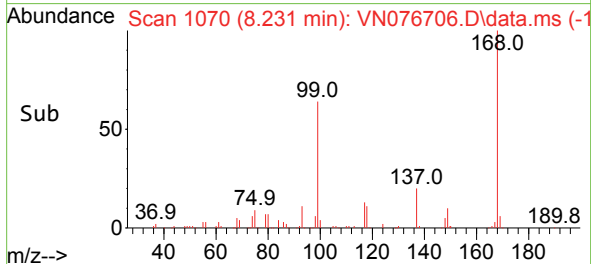
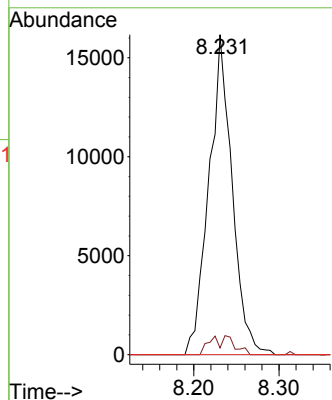
Tgt Ion:117 Resp: 30641

Ion Ratio Lower Upper

117 100

119 2.1 75.4 113.0#

121 0.0 26.0 39.0#



#47

Bromodichloromethane

Concen: 0.245 ug/l

RT: 9.895 min Scan# 1353

Delta R.T. 0.006 min

Lab File: VN076706.D

Acq: 16 Feb 2023 13:03

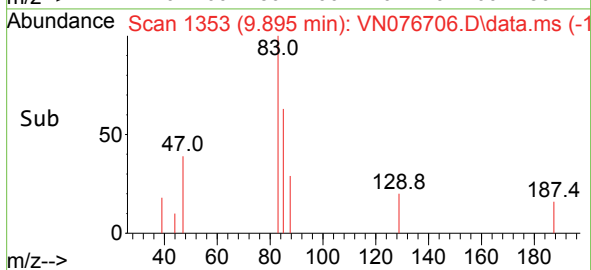
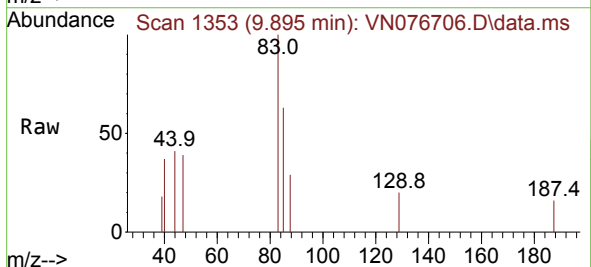
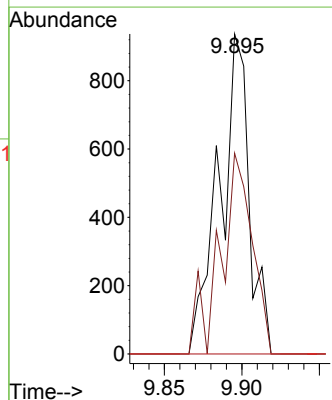
Tgt Ion: 83 Resp: 1249

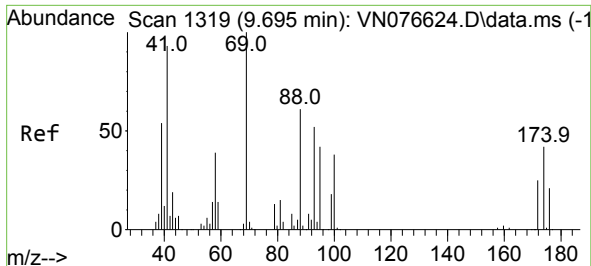
Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.6

127 0.0 7.9 11.9#





#49

1,4-Dioxane

Concen: 0.785 ug/l

RT: 9.954 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN076706.D

Acq: 16 Feb 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :

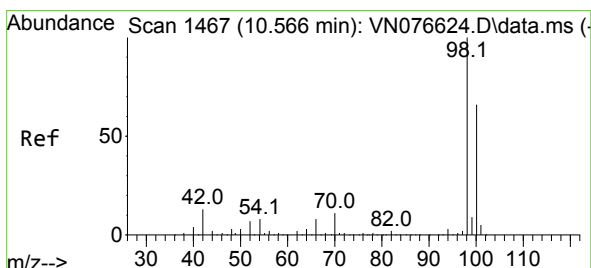
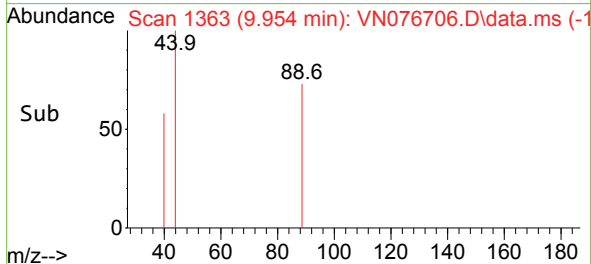
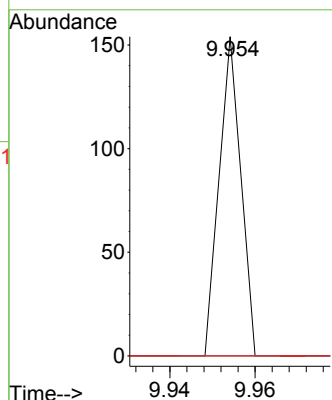
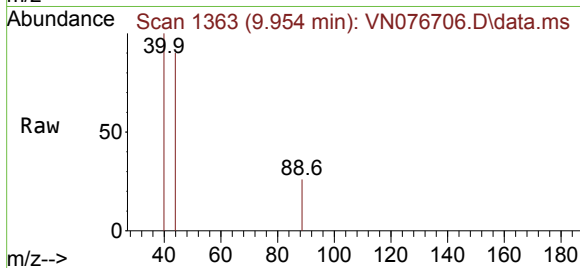
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 22.6 33.8#

58 0.0 57.6 86.4#



#50

Toluene-d8

Concen: 49.337 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076706.D

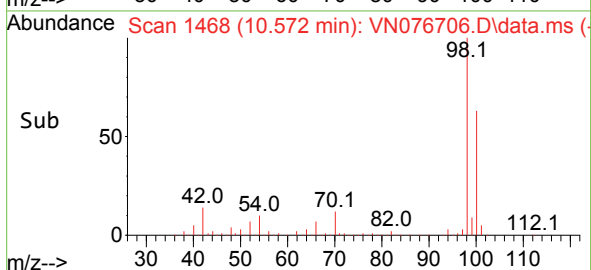
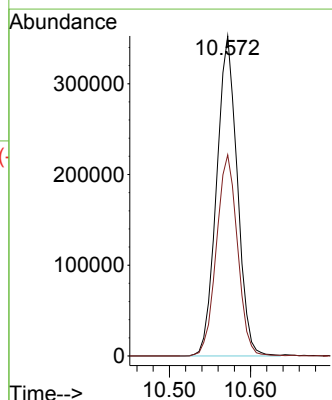
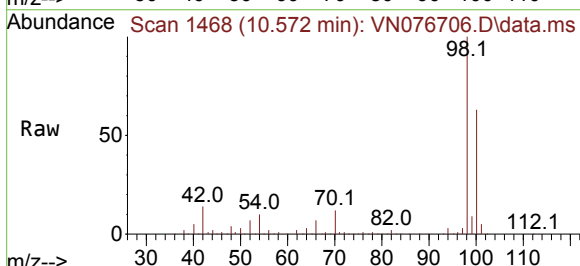
Acq: 16 Feb 2023 13:03

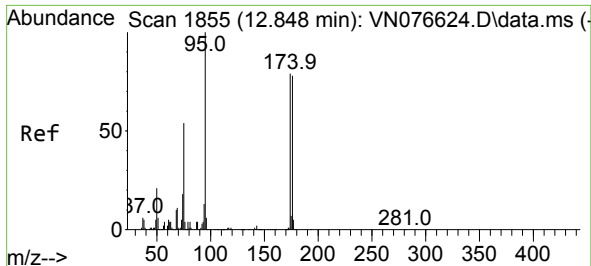
Tgt Ion: 98 Resp: 623964

Ion Ratio Lower Upper

98 100

100 64.1 52.9 79.3

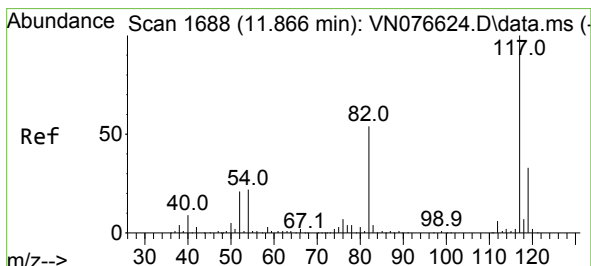
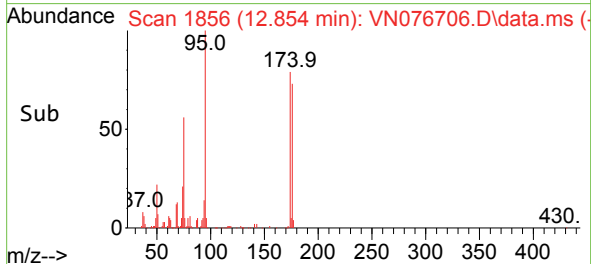
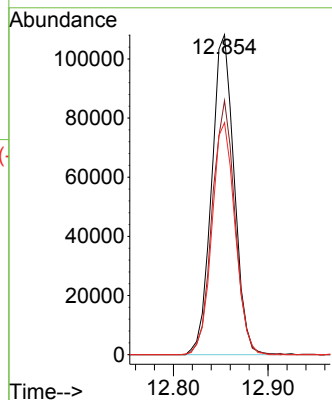
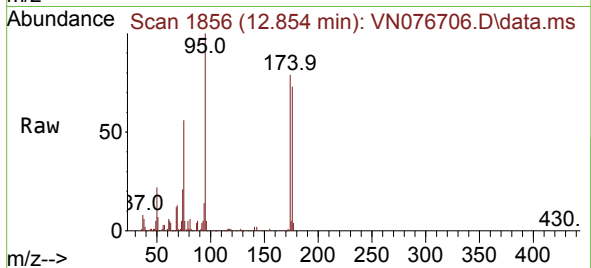




#62
4-Bromofluorobenzene
Concen: 42.772 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

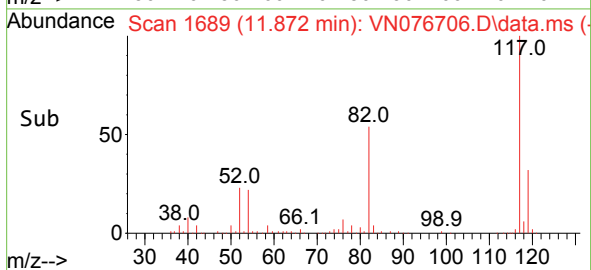
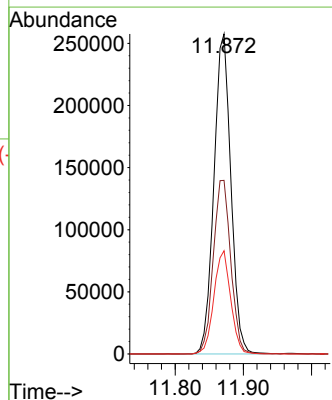
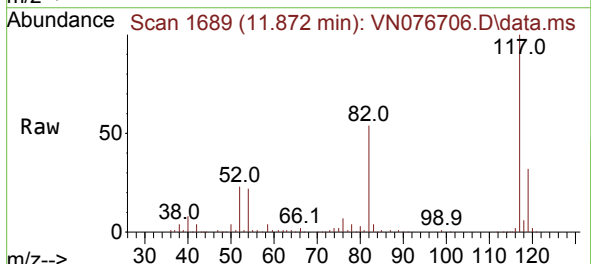
Instrument :
MSVOA_N
ClientSampleId :

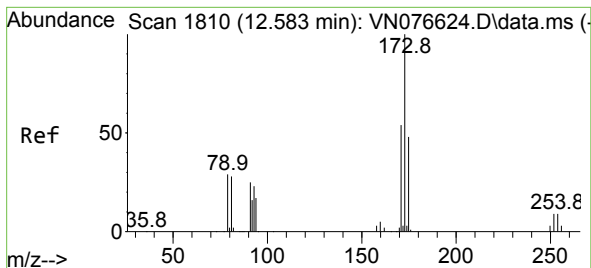
Tgt Ion: 95 Resp: 179160
Ion Ratio Lower Upper
95 100
174 79.8 0.0 169.2
176 74.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

Tgt Ion: 117 Resp: 446331
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.2
119 32.3 26.1 39.1





#71

Bromoform

Concen: 0.423 ug/l

RT: 12.848 min Scan# 1810

Delta R.T. 0.265 min

Lab File: VN076706.D

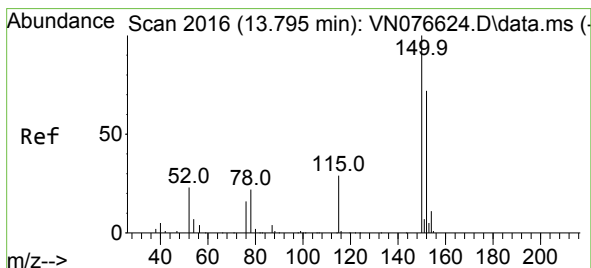
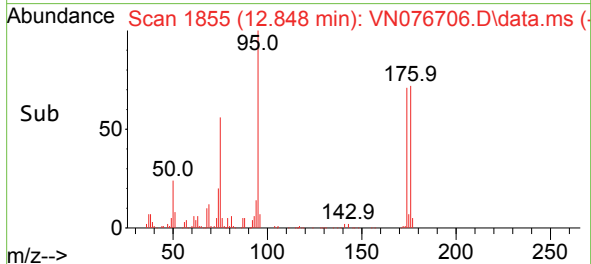
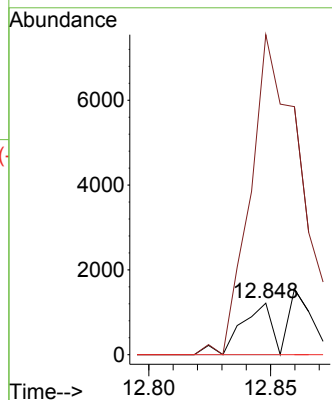
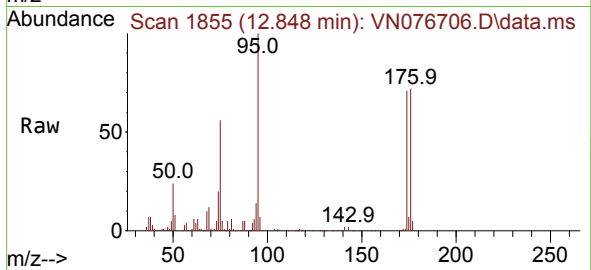
Acq: 16 Feb 2023 13:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1066
 Ion Ratio Lower Upper
 173 100
 175 843.0 24.9 74.7#
 254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

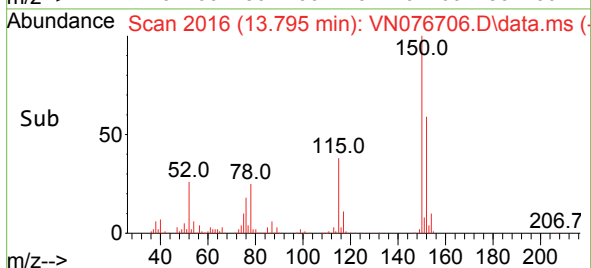
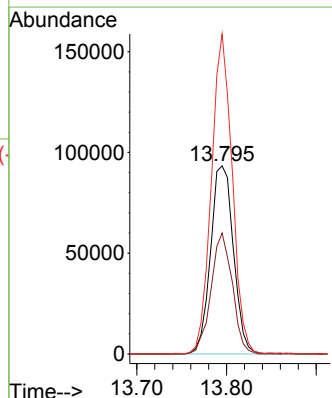
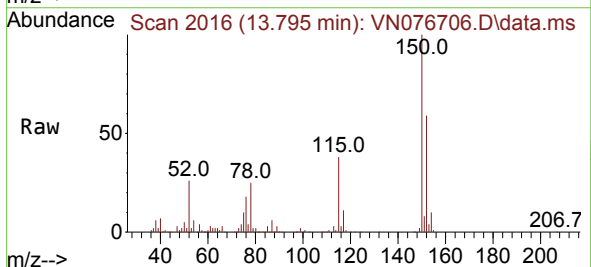
RT: 13.795 min Scan# 2016

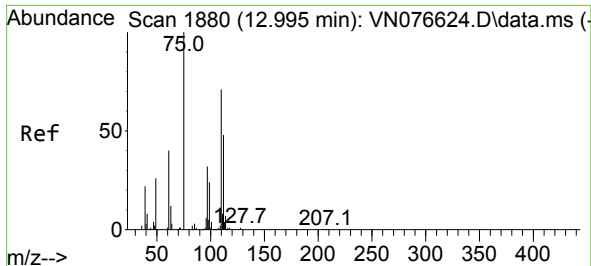
Delta R.T. 0.000 min

Lab File: VN076706.D

Acq: 16 Feb 2023 13:03

Tgt Ion:152 Resp: 165225
 Ion Ratio Lower Upper
 152 100
 115 59.8 29.3 87.9
 150 155.3 0.0 349.8

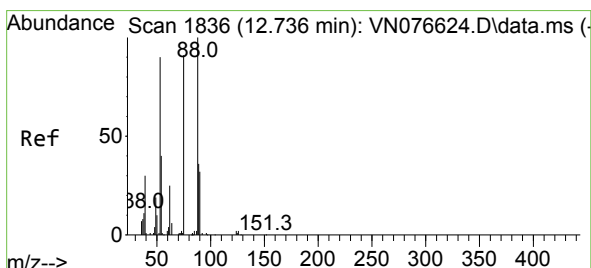
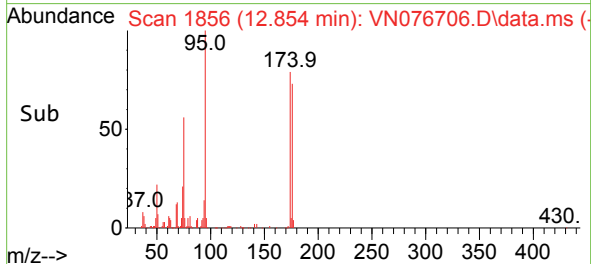
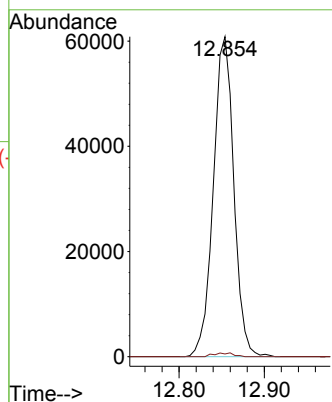
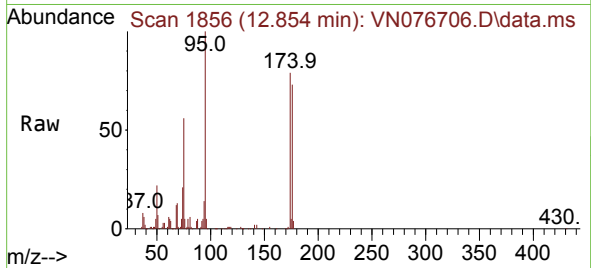




#76
1,2,3-Trichloropropane
Concen: 30.444 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

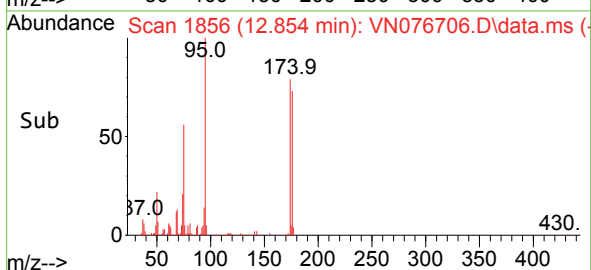
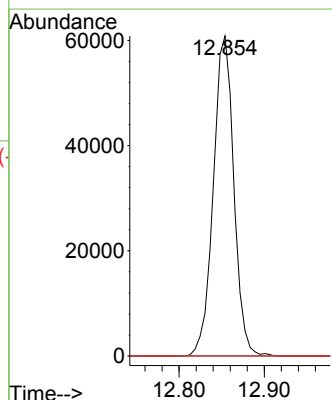
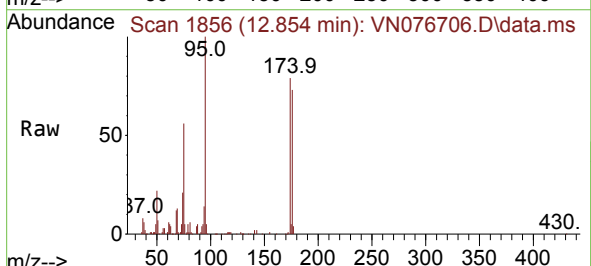
Instrument :
MSVOA_N
ClientSampleId :

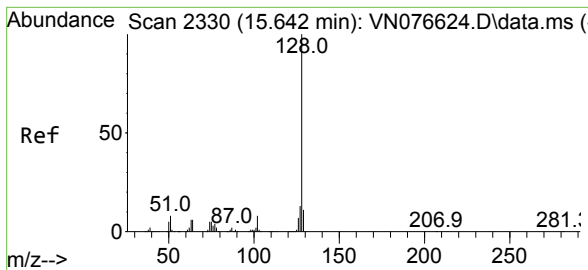
Tgt Ion: 75 Resp: 101693
Ion Ratio Lower Upper
75 100
77 1.1 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.669 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

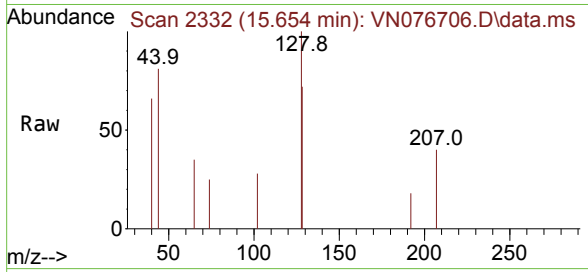
Tgt Ion: 75 Resp: 101693
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#





#95
Naphthalene
Concen: 0.291 ug/l
RT: 15.654 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN076706.D
Acq: 16 Feb 2023 13:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2578
Ion Ratio Lower Upper
128 100
127 7.3 10.6 16.0#
129 2.6 8.6 13.0#

