

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079896.D
 Acq On : 04 Nov 2023 16:29
 Operator : JC\MD
 Sample : 05222-06DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 02:15:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

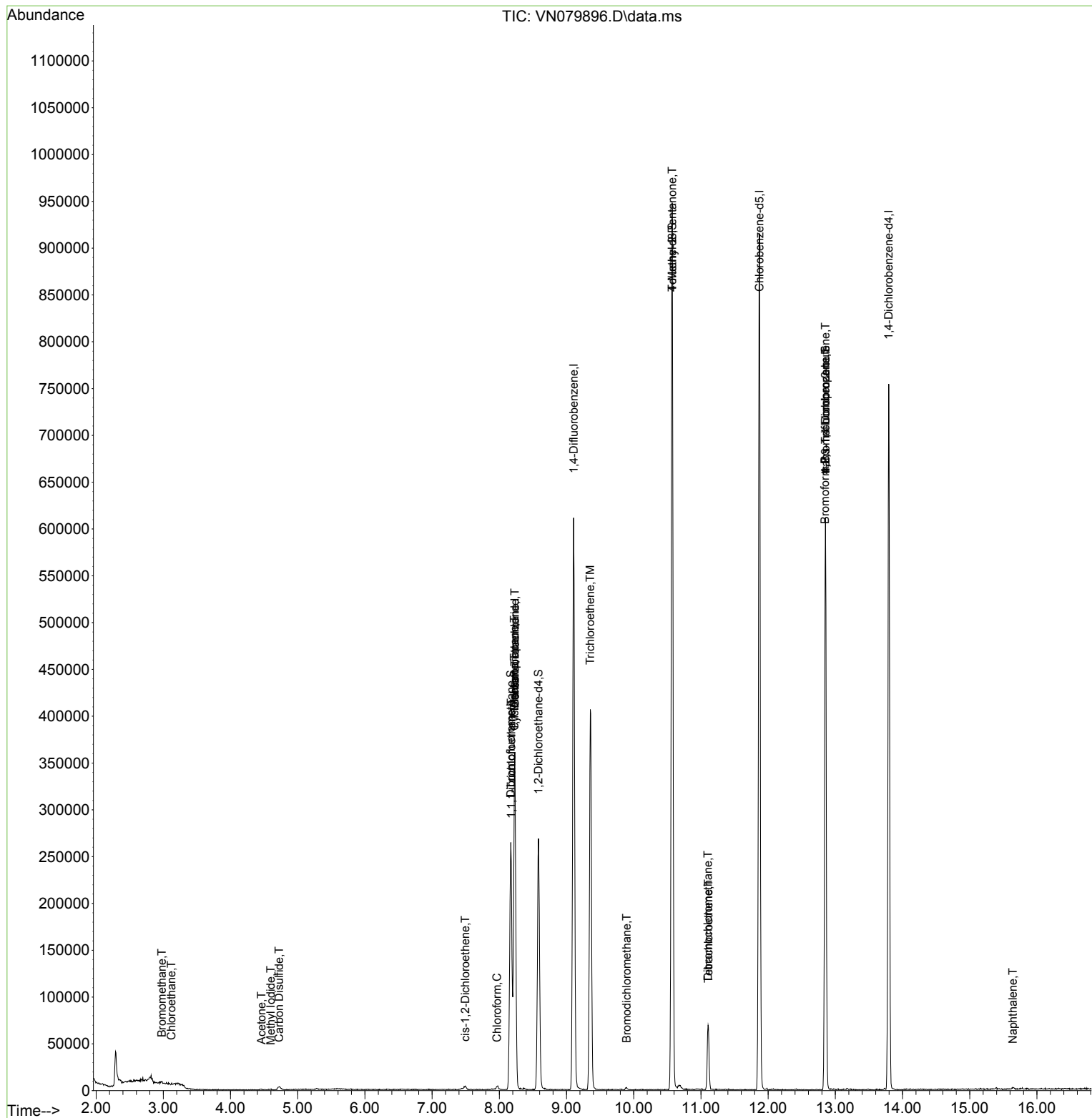
Internal Standards						
1) Pentafluorobenzene	8.230	168	247301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	497602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	507615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	188740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	215833	57.285	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.560%	
35) Dibromofluoromethane	8.171	113	180423	51.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.460%	
50) Toluene-d8	10.571	98	625481	48.243	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.480%	
62) 4-Bromofluorobenzene	12.853	95	205289	47.743	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1383	Below Cal		90
5) Bromomethane	2.977	94	773	0.326	ug/l	98
6) Chloroethane	3.118	64	714	0.232	ug/l #	43
10) Methyl Iodide	4.600	142	705	0.220	ug/l #	38
16) Acetone	4.459	43	1068	0.807	ug/l #	40
17) Carbon Disulfide	4.724	76	1575	0.205	ug/l #	75
27) cis-1,2-Dichloroethene	7.494	96	1115	0.314	ug/l #	9
30) Chloroform	7.965	83	3863	0.619	ug/l #	72
31) Cyclohexane	8.224	56	7177	1.442	ug/l #	50
32) 1,1,1-Trichloroethane	8.177	97	9420	1.853	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	21756	4.326	ug/l #	49
38) Carbon Tetrachloride	8.230	117	27472	5.421	ug/l #	16
44) Trichloroethene	9.353	130	143365	38.360	ug/l	100
47) Bromodichloromethane	9.894	83	1813	0.323	ug/l #	90
51) 4-Methyl-2-Pentanone	10.571	43	3278	0.720	ug/l #	1
60) Dibromochloromethane	11.106	129	15249	3.967	ug/l #	11
64) Tetrachloroethene	11.112	164	15863	4.825	ug/l #	81
71) Bromoform	12.847	173	2064	0.733	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	112861	25.470	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112861	69.299	ug/l #	15
95) Naphthalene	15.641	128	2109	0.212	ug/l #	78

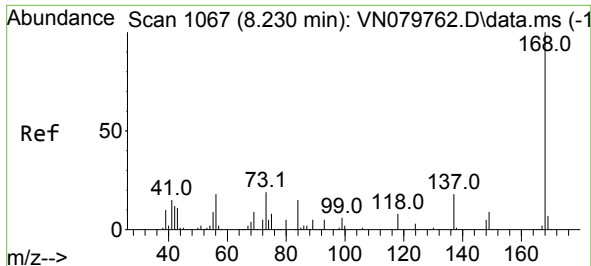
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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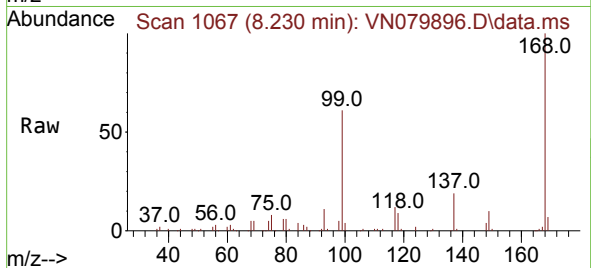
Quant Time: Nov 06 02:15:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
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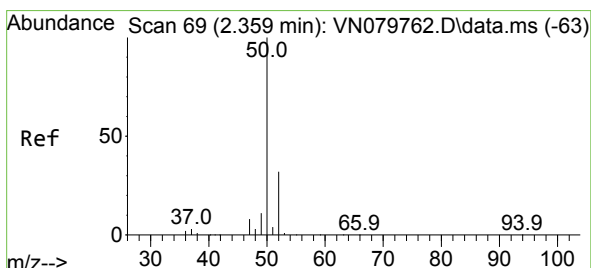
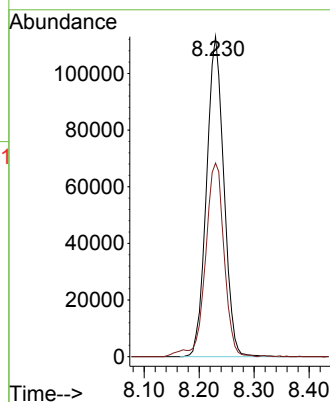
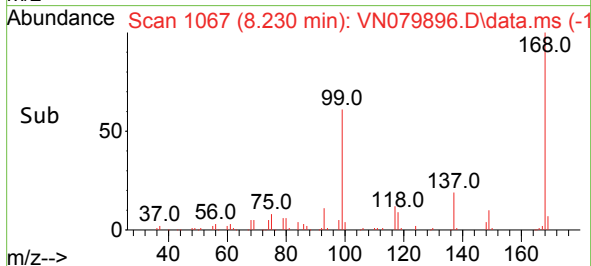


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

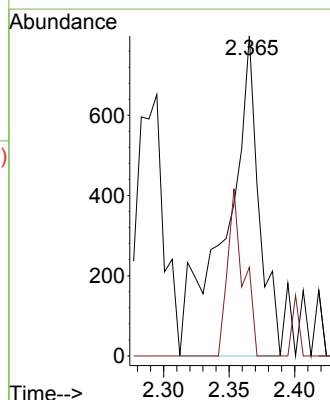
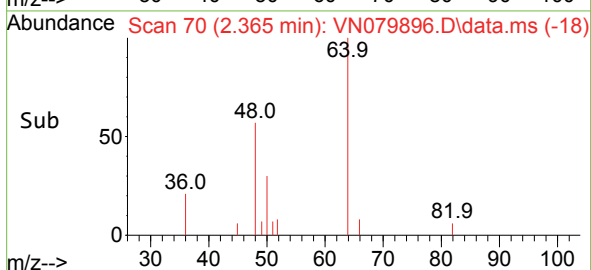
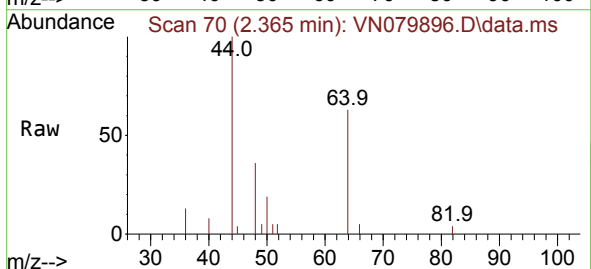


Tgt Ion:168 Resp: 247301
Ion Ratio Lower Upper
168 100
99 60.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion: 50 Resp: 1383
Ion Ratio Lower Upper
50 100
52 27.7 26.5 39.7

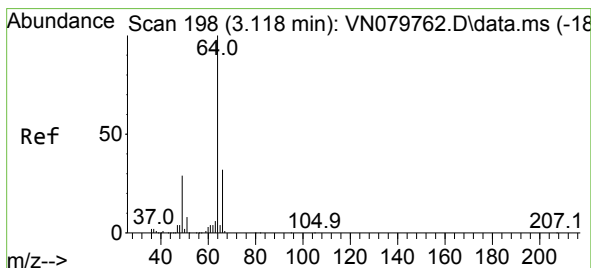
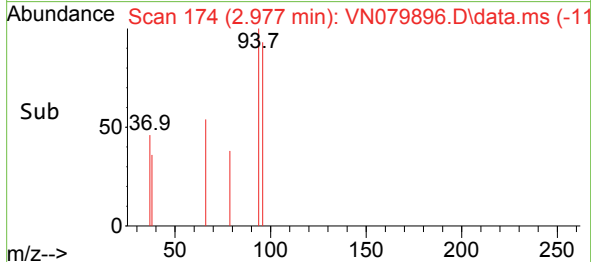
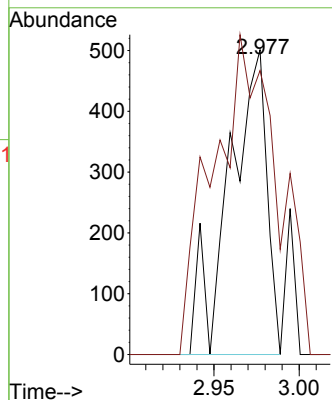
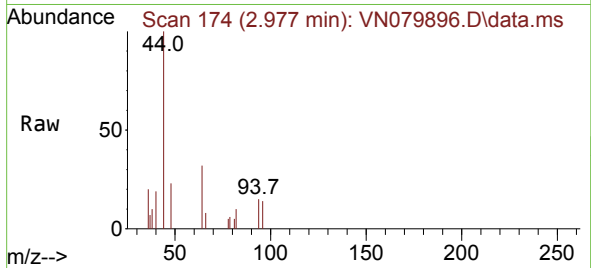




#5
Bromomethane
Concen: 0.326 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

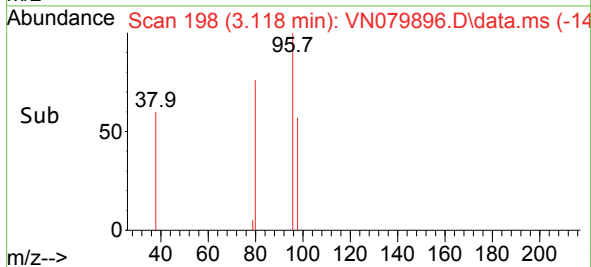
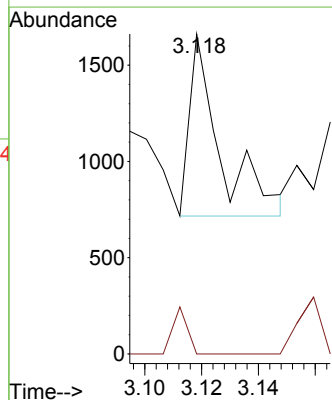
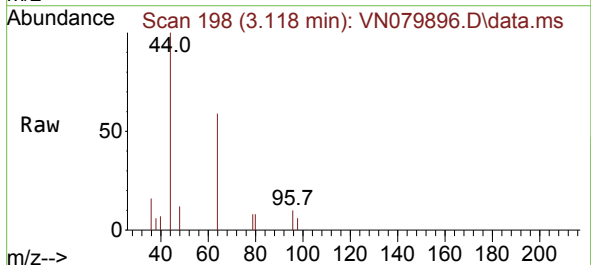
Instrument :
MSVOA_N
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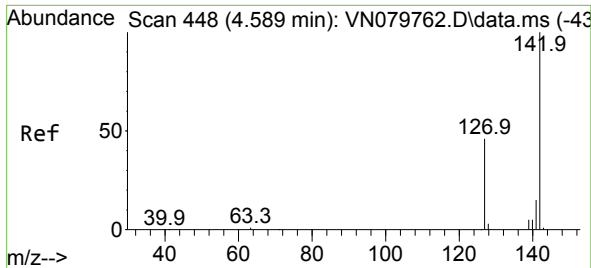
Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 93.2 73.1 109.7



#6
Chloroethane
Concen: 0.232 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

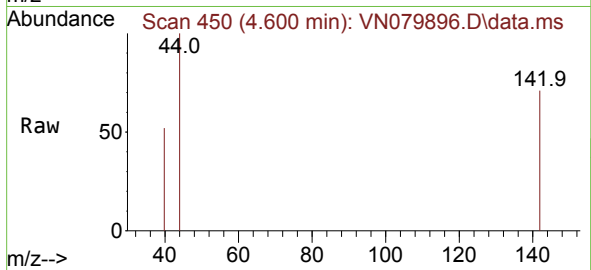
Tgt Ion: 64 Resp: 714
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



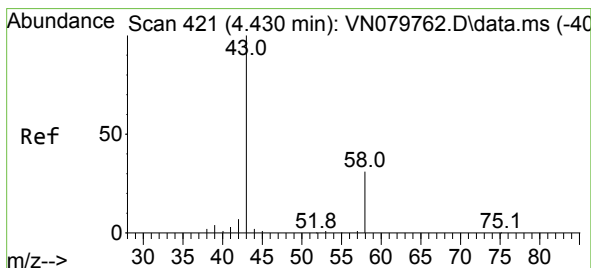
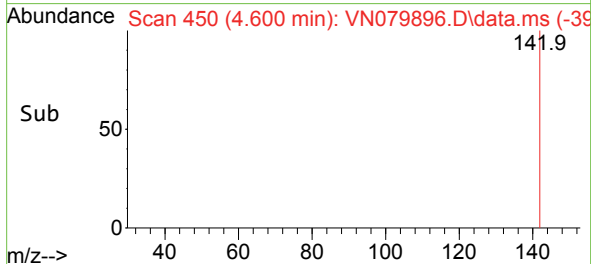
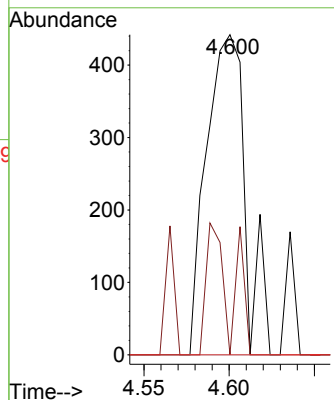


#10
Methyl Iodide
Concen: 0.220 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

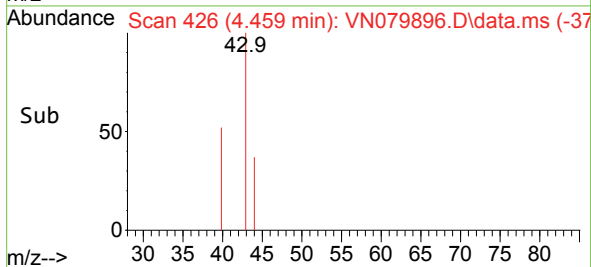
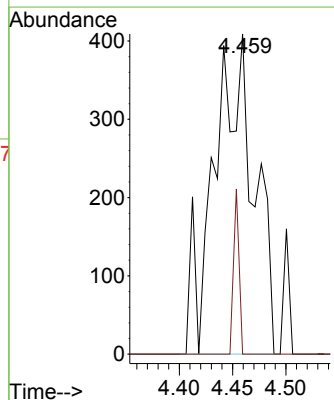
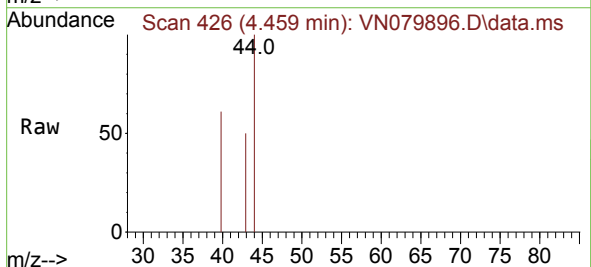


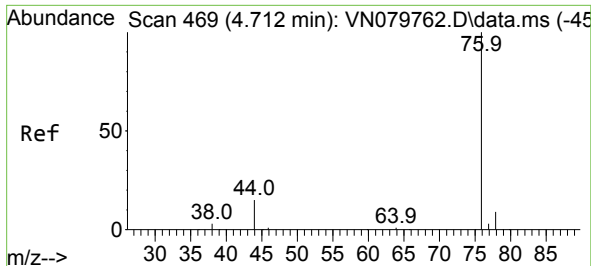
Tgt Ion:142 Resp: 705
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.807 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.030 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

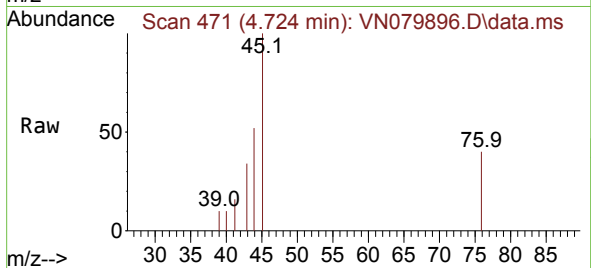
Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



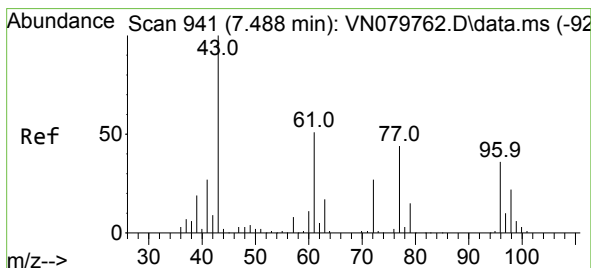
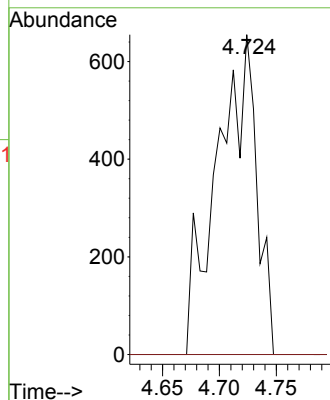
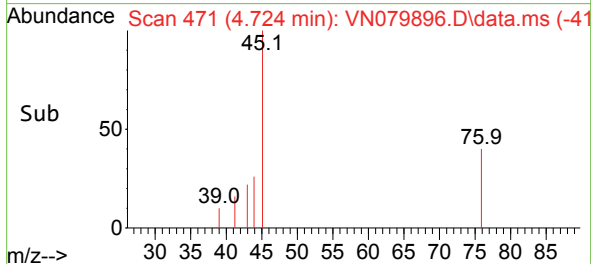


#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

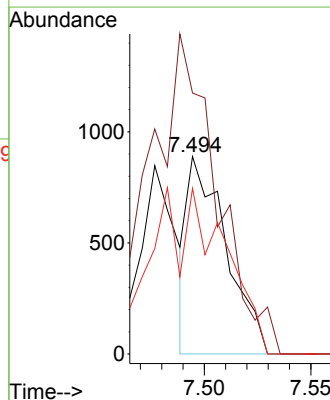
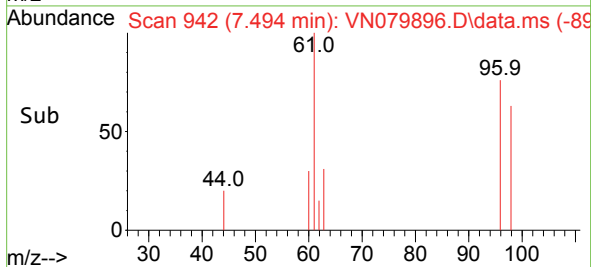
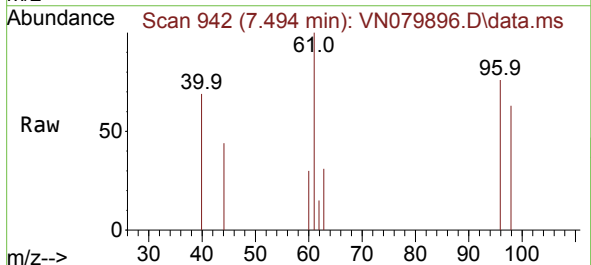


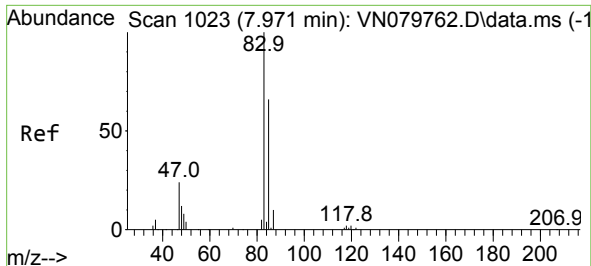
Tgt Ion: 76 Resp: 1575
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#27
cis-1,2-Dichloroethene
Concen: 0.314 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion: 96 Resp: 1115
Ion Ratio Lower Upper
96 100
61 283.4 0.0 255.2#
98 67.4 0.0 128.8

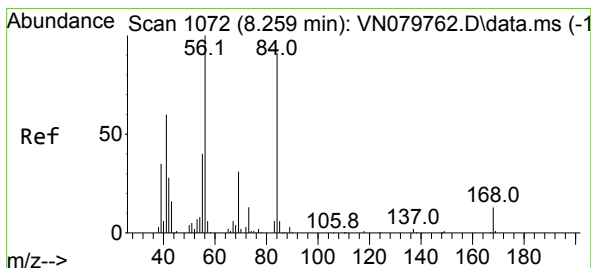
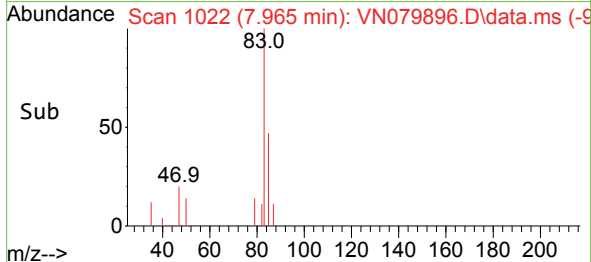
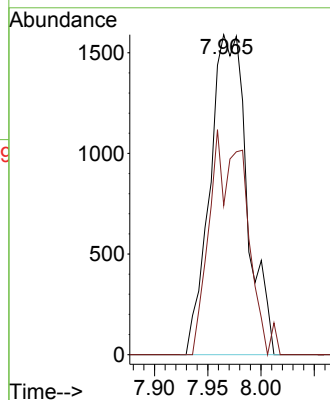
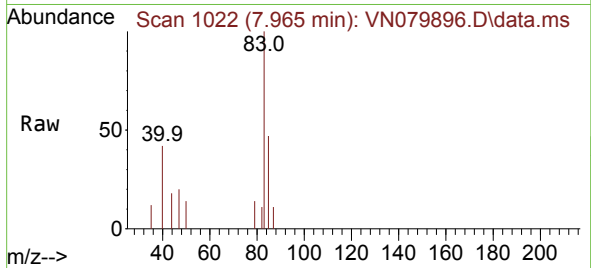




#30
Chloroform
Concen: 0.619 ug/l
RT: 7.965 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

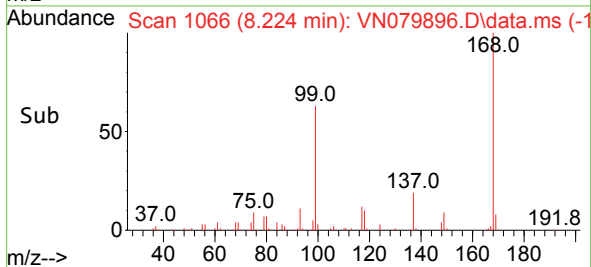
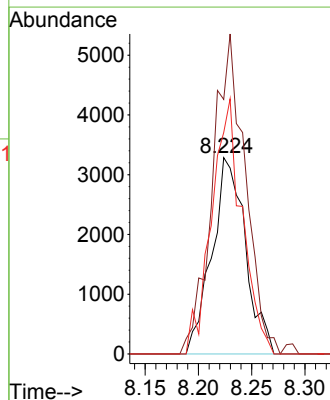
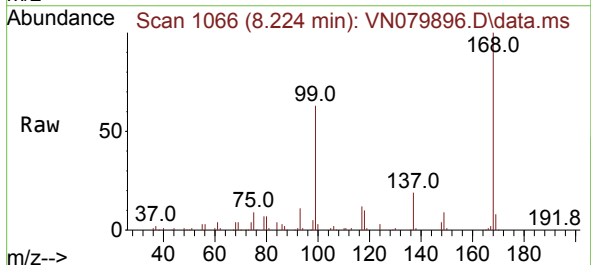
Instrument :
MSVOA_N
ClientSampleId :

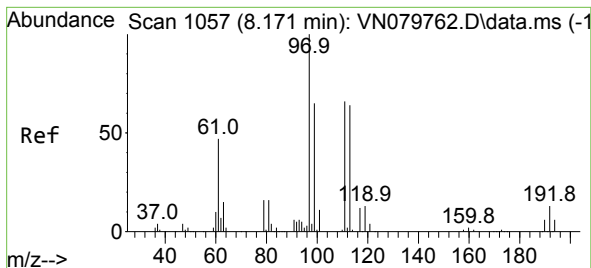
Tgt Ion: 83 Resp: 3863
Ion Ratio Lower Upper
83 100
85 46.7 55.4 83.0#



#31
Cyclohexane
Concen: 1.442 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion: 56 Resp: 7177
Ion Ratio Lower Upper
56 100
69 129.7 26.8 40.2#
84 112.8 81.8 122.6





#32

1,1,1-Trichloroethane

Concen: 1.853 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

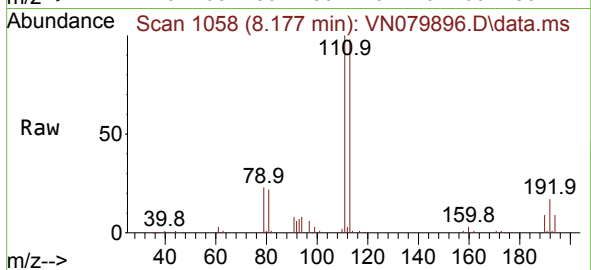
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Acq: 04 Nov 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :



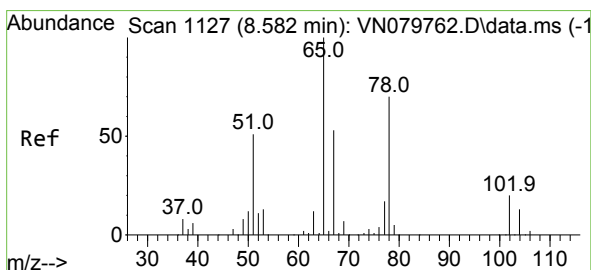
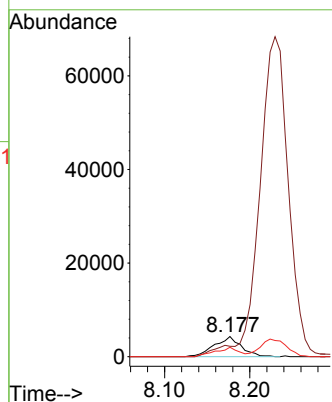
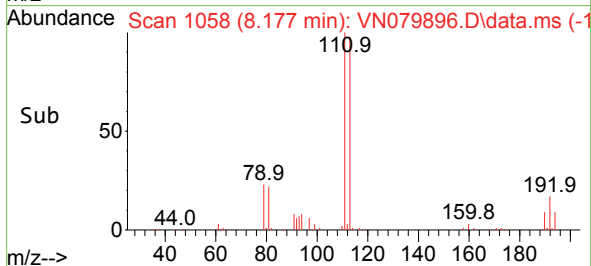
Tgt Ion: 97 Resp: 9420

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 40.0 34.7 52.1



#33

1,2-Dichloroethane-d4

Concen: 57.285 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079896.D

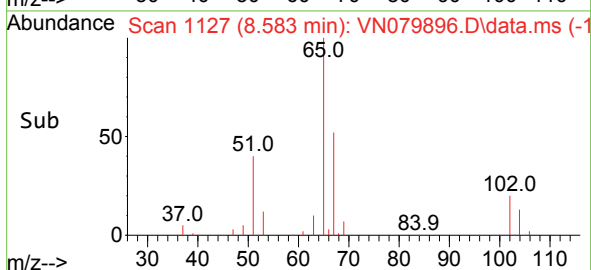
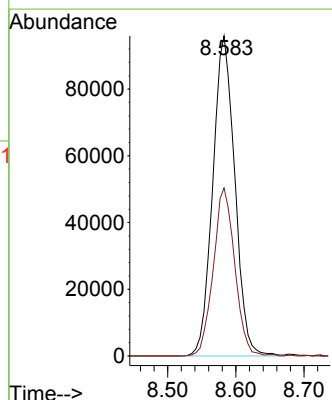
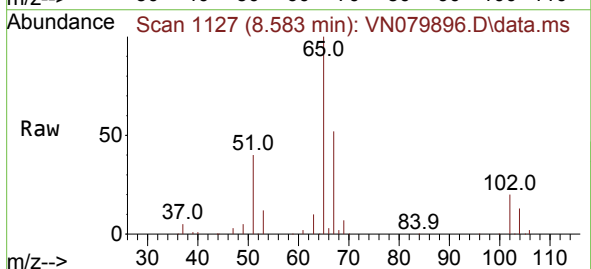
Acq: 04 Nov 2023 16:29

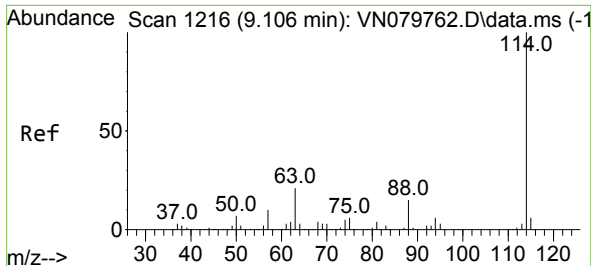
Tgt Ion: 65 Resp: 215833

Ion Ratio Lower Upper

65 100

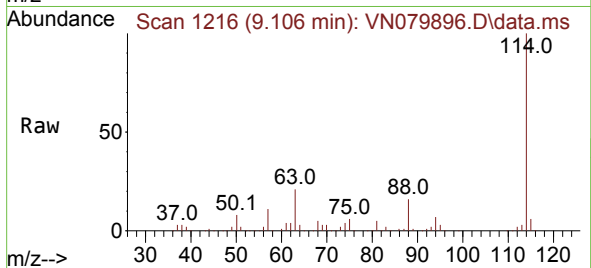
67 51.1 0.0 106.6



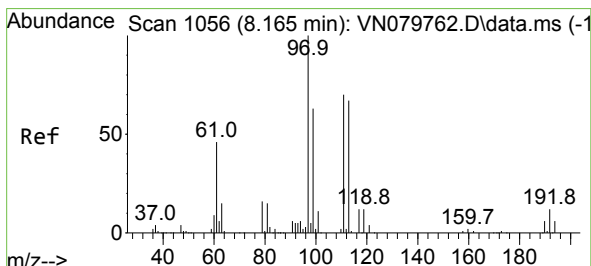
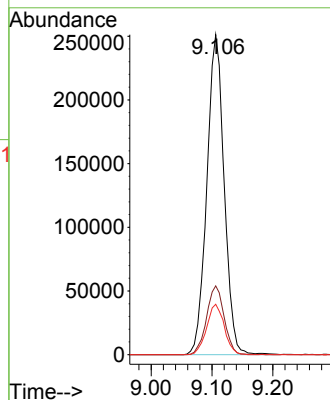
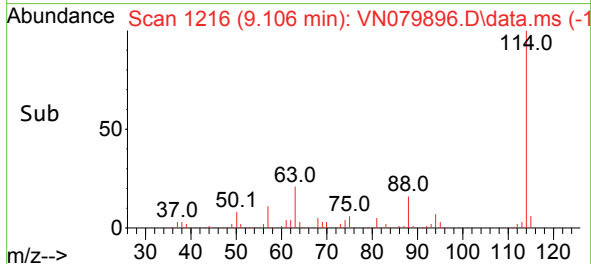


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

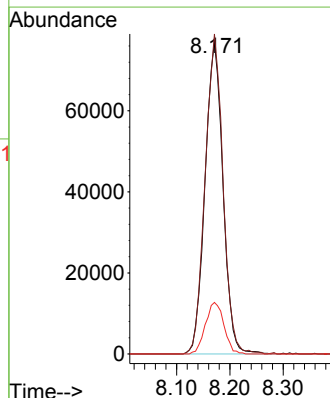
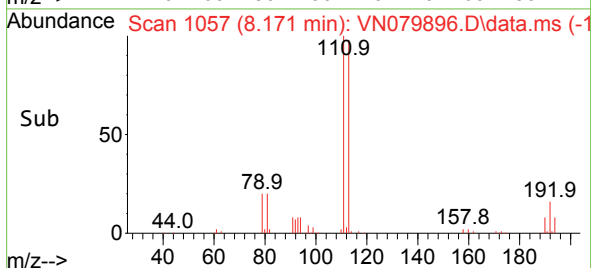
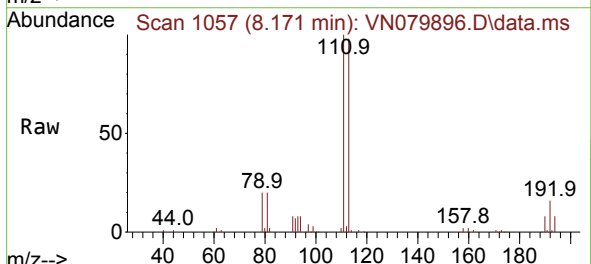


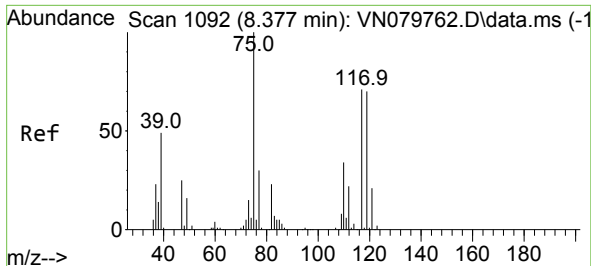
Tgt Ion:114 Resp: 497602
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.230 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion:113 Resp: 180423
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.326 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

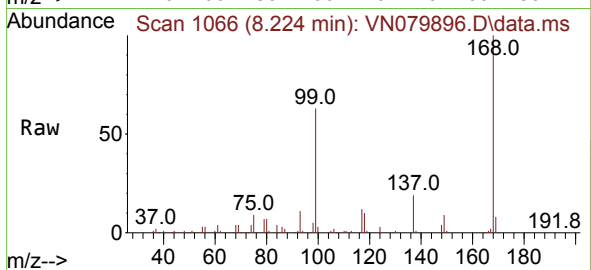
Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :



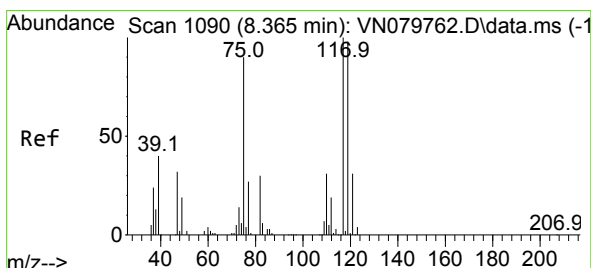
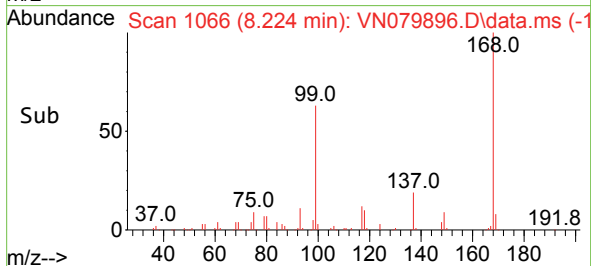
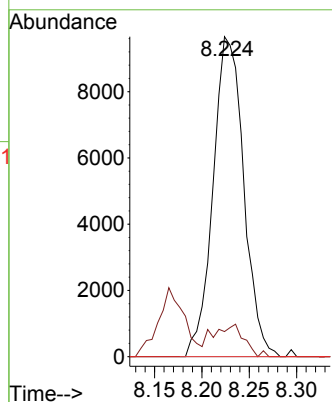
Tgt Ion: 75 Resp: 21756

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.421 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

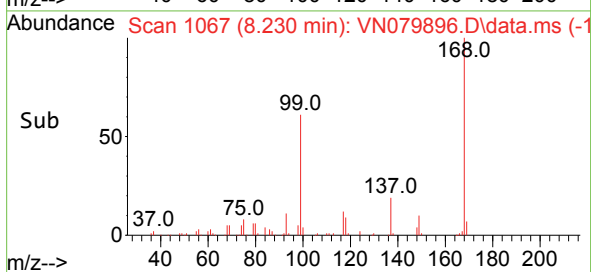
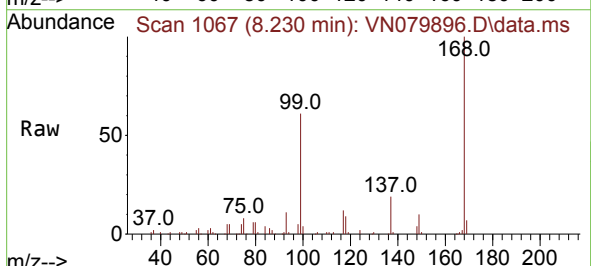
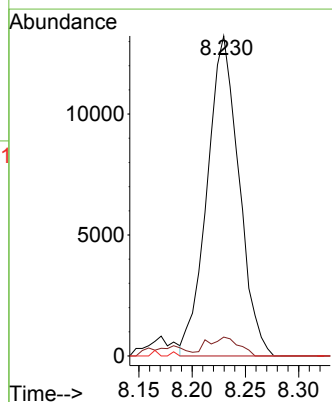
Tgt Ion: 117 Resp: 27472

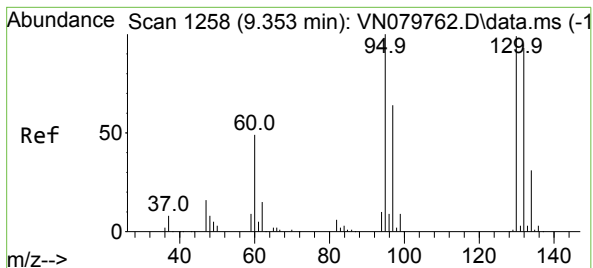
Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

121 0.0 23.3 34.9#





#44

Trichloroethene

Concen: 38.360 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

Instrument :

MSVOA_N

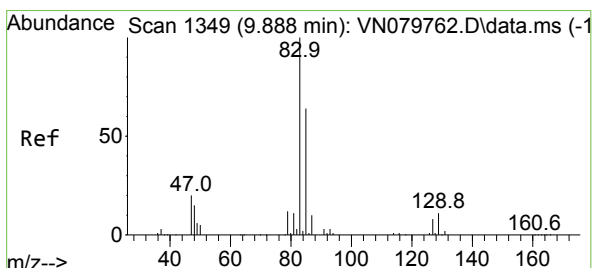
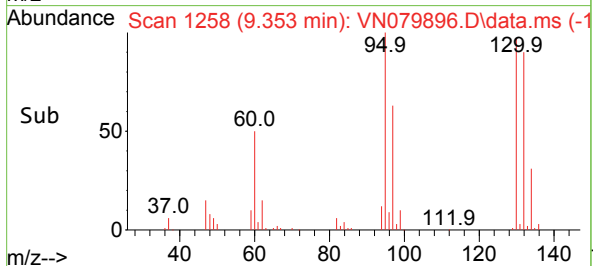
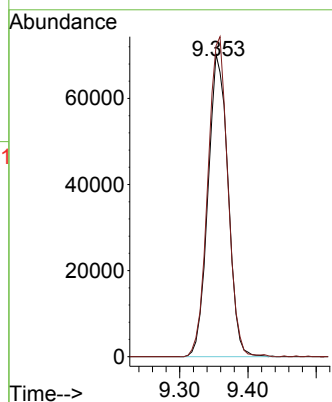
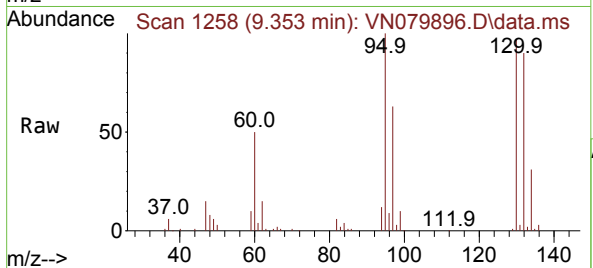
ClientSampleId :

Tgt Ion:130 Resp: 143365

Ion Ratio Lower Upper

130 100

95 102.8 0.0 204.6



#47

Bromodichloromethane

Concen: 0.323 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.006 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

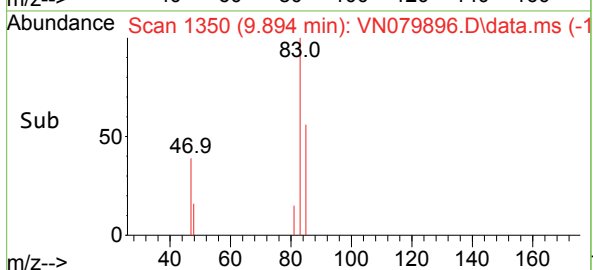
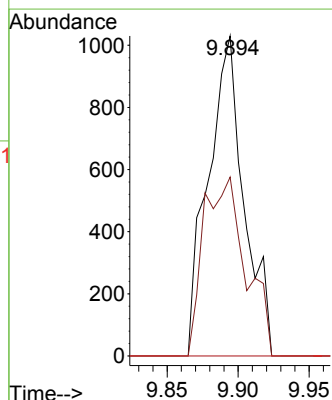
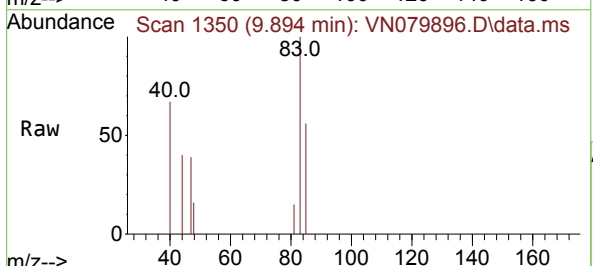
Tgt Ion: 83 Resp: 1813

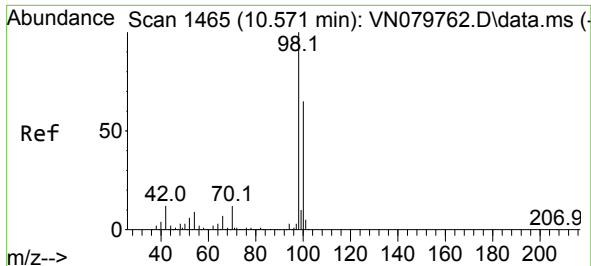
Ion Ratio Lower Upper

83 100

85 55.9 49.6 74.4

127 0.0 7.0 10.6#

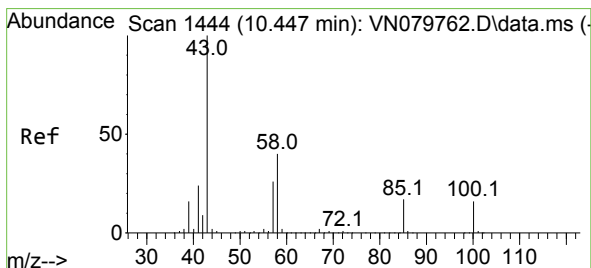
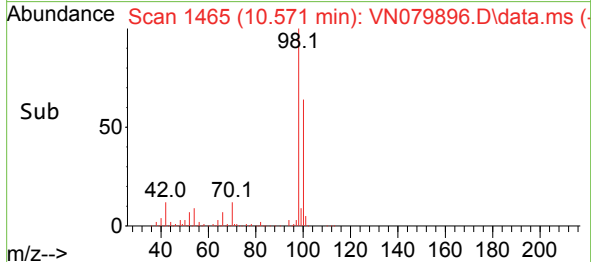
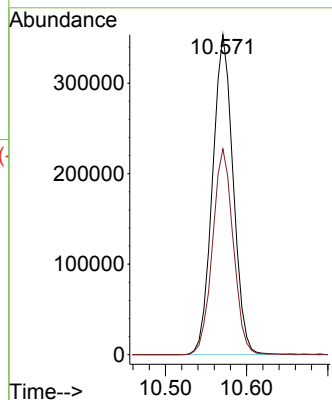
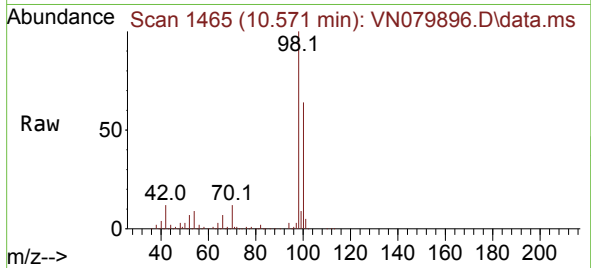




#50
Toluene-d8
Concen: 48.243 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

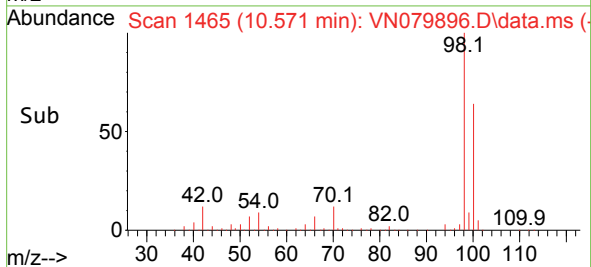
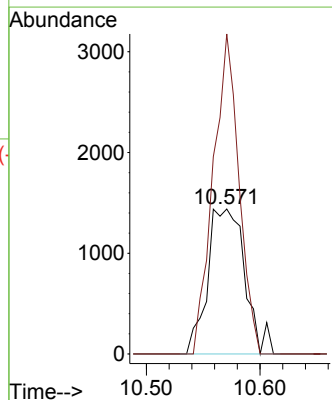
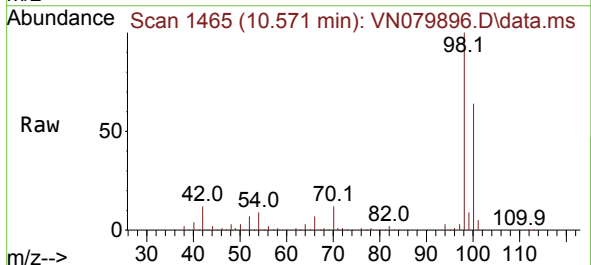
Instrument :
MSVOA_N
ClientSampleId :

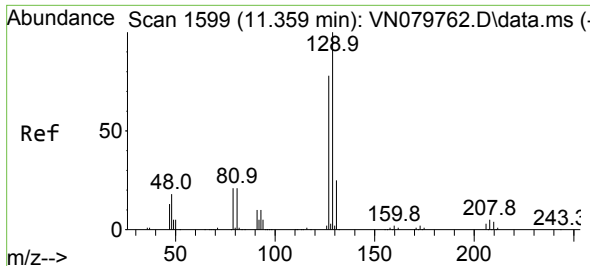
Tgt Ion: 98 Resp: 625481
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.720 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
58 153.2 36.6 54.8#

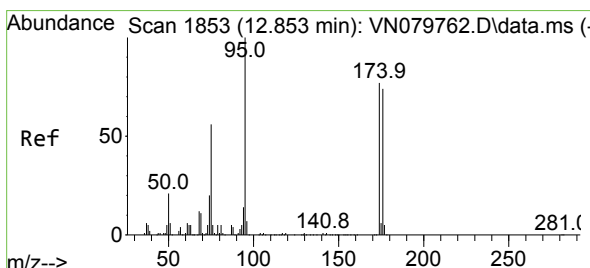
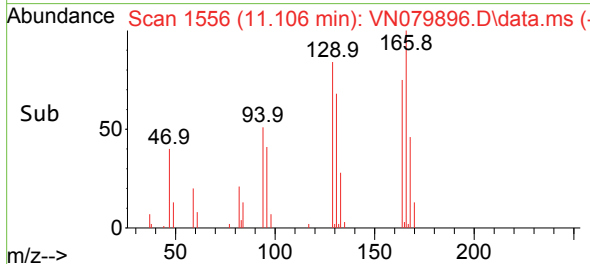
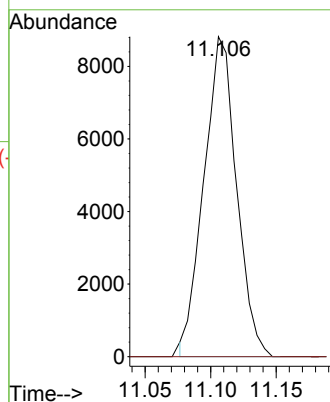
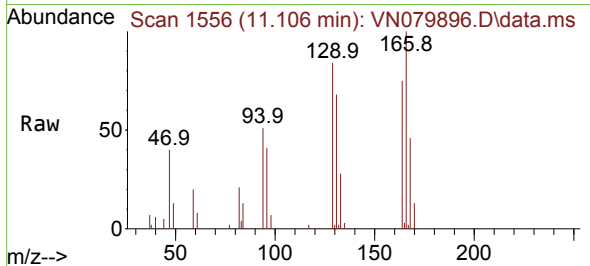




#60
Dibromochloromethane
Concen: 3.967 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

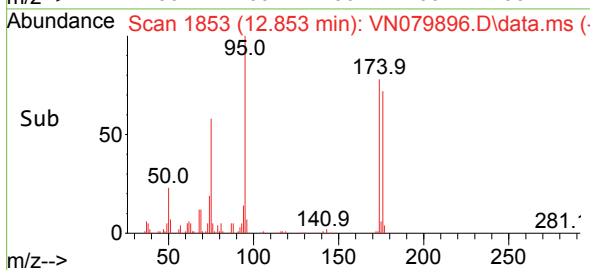
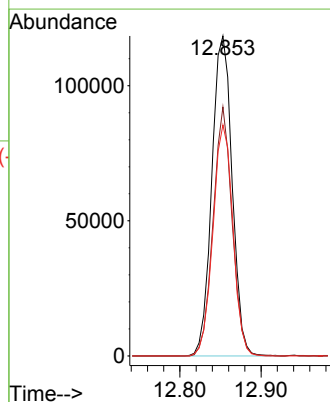
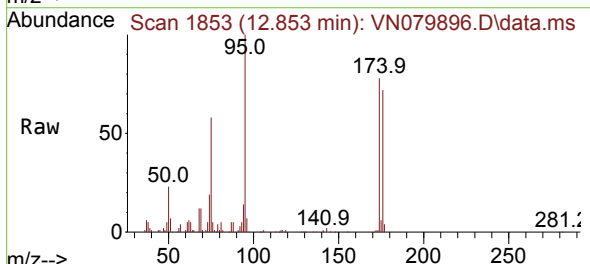
Instrument :
MSVOA_N
ClientSampleId :

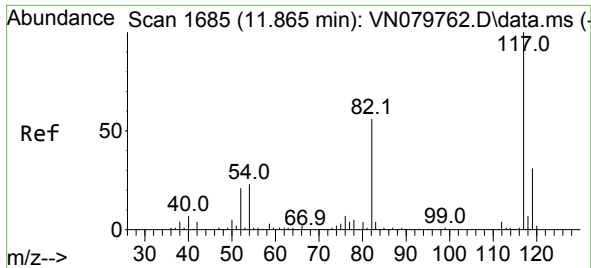
Tgt Ion:129 Resp: 15249
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 47.743 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion: 95 Resp: 205289
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 71.0 0.0 135.8

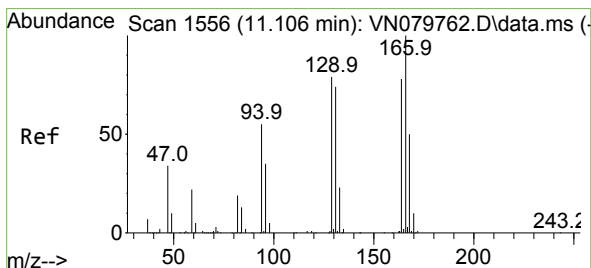
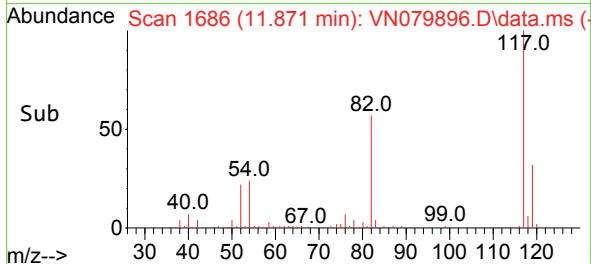
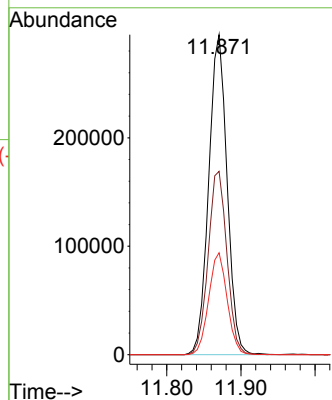
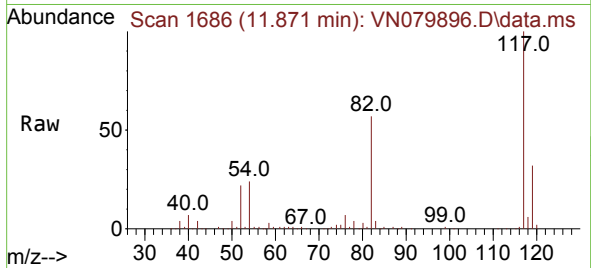




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

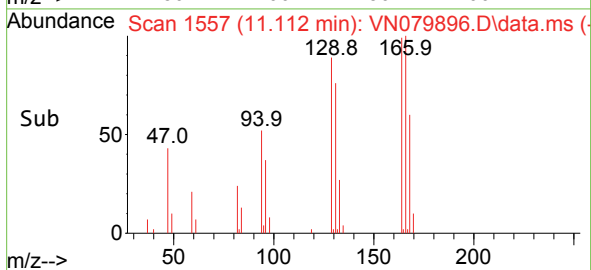
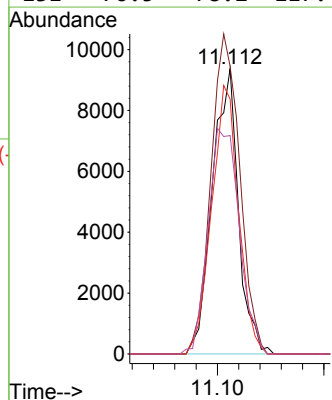
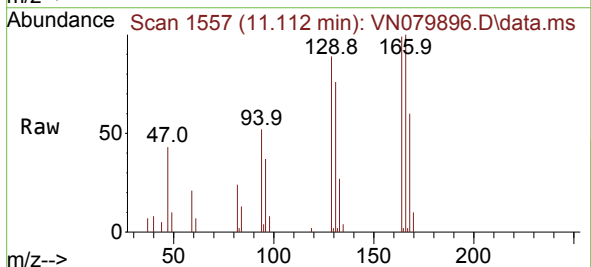
Instrument :
MSVOA_N
ClientSampleId :

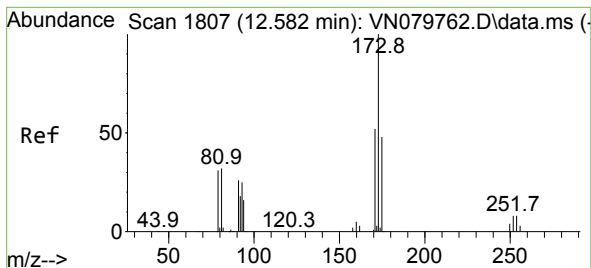
Tgt Ion:117 Resp: 507615
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 4.825 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN079896.D
Acq: 04 Nov 2023 16:29

Tgt Ion:164 Resp: 15863
Ion Ratio Lower Upper
164 100
166 100.8 101.4 152.0#
129 89.3 82.4 123.6
131 76.5 78.2 117.4#





#71

Bromoform

Concen: 0.733 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

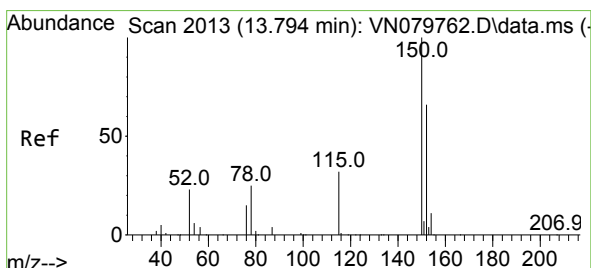
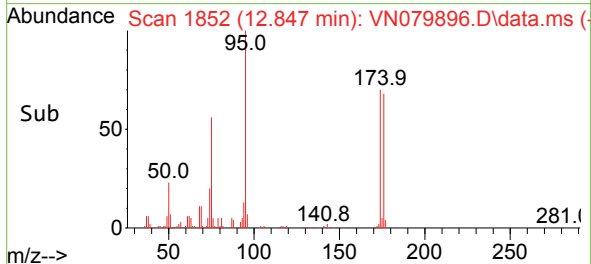
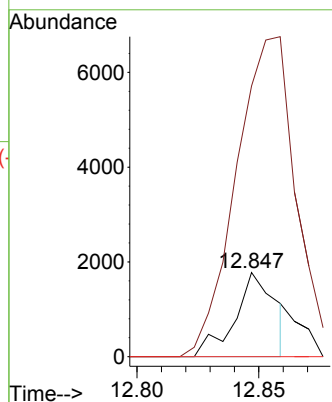
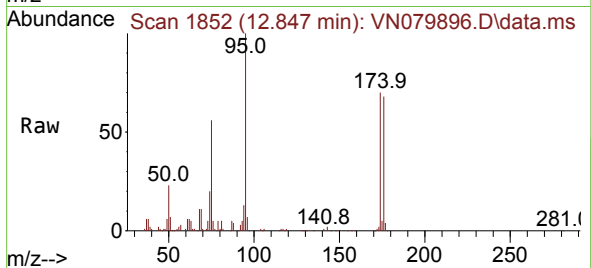
Tgt Ion:173 Resp: 2064

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

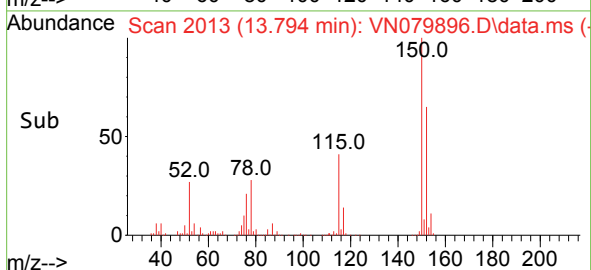
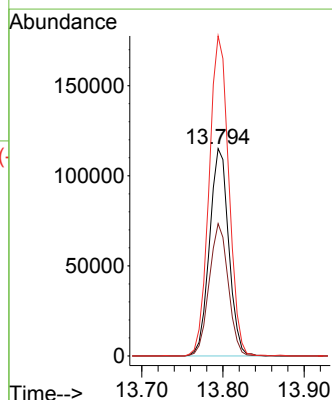
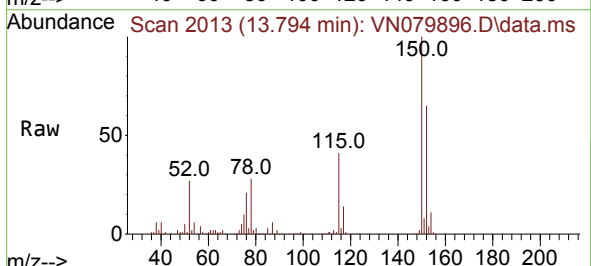
Tgt Ion:152 Resp: 188740

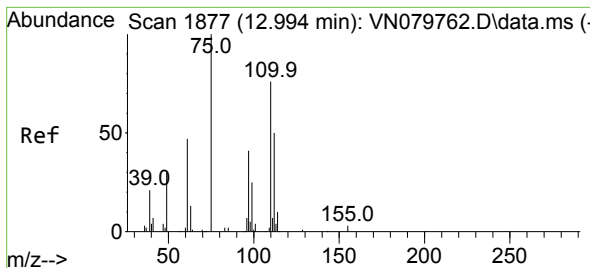
Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 158.4 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.470 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

Instrument :

MSVOA_N

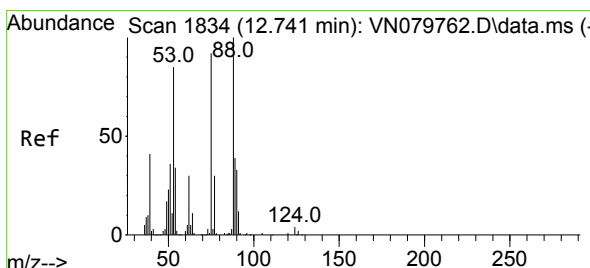
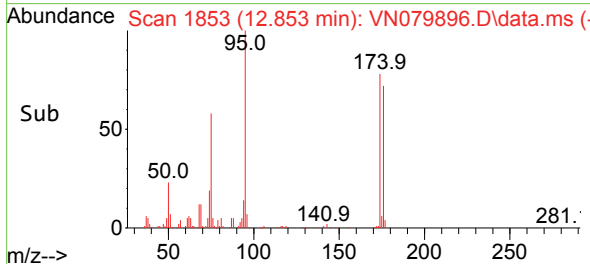
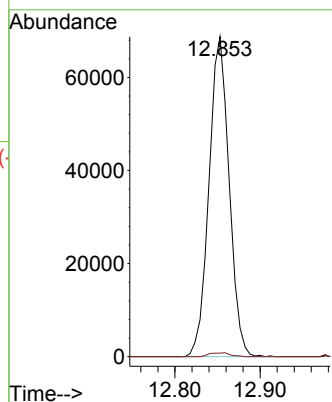
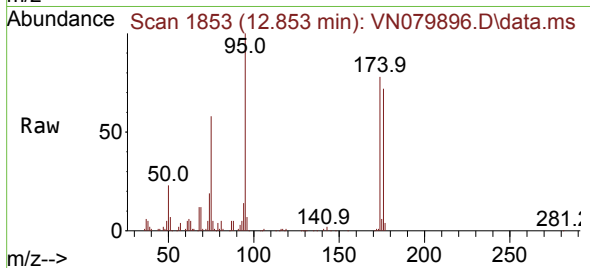
ClientSampleId :

Tgt Ion: 75 Resp: 112861

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.299 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

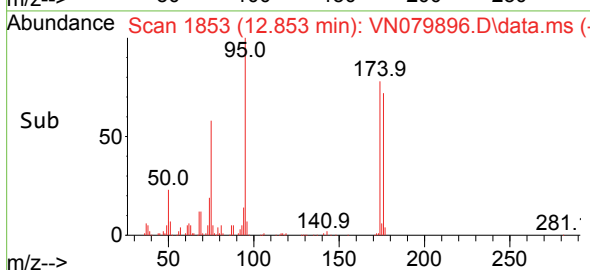
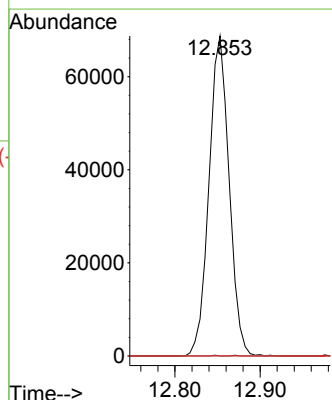
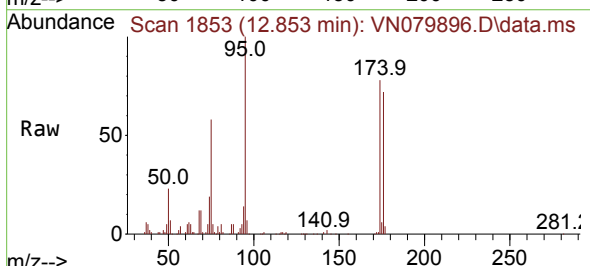
Tgt Ion: 75 Resp: 112861

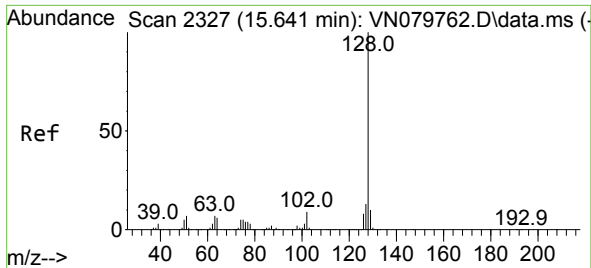
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.212 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

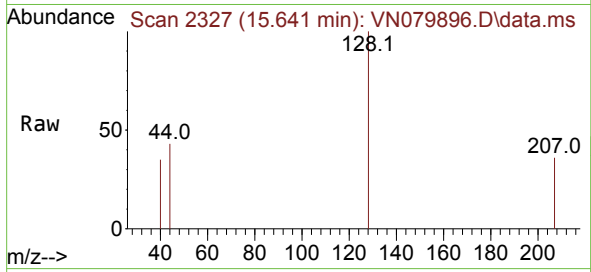
Lab File: VN079896.D

Acq: 04 Nov 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 2109

Ion Ratio Lower Upper

128 100

127 6.3 10.0 15.0#

129 0.0 8.7 13.1#

