

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079774.D
 Acq On : 01 Nov 2023 16:19
 Operator : JC\MD
 Sample : 05173-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:56:21 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)

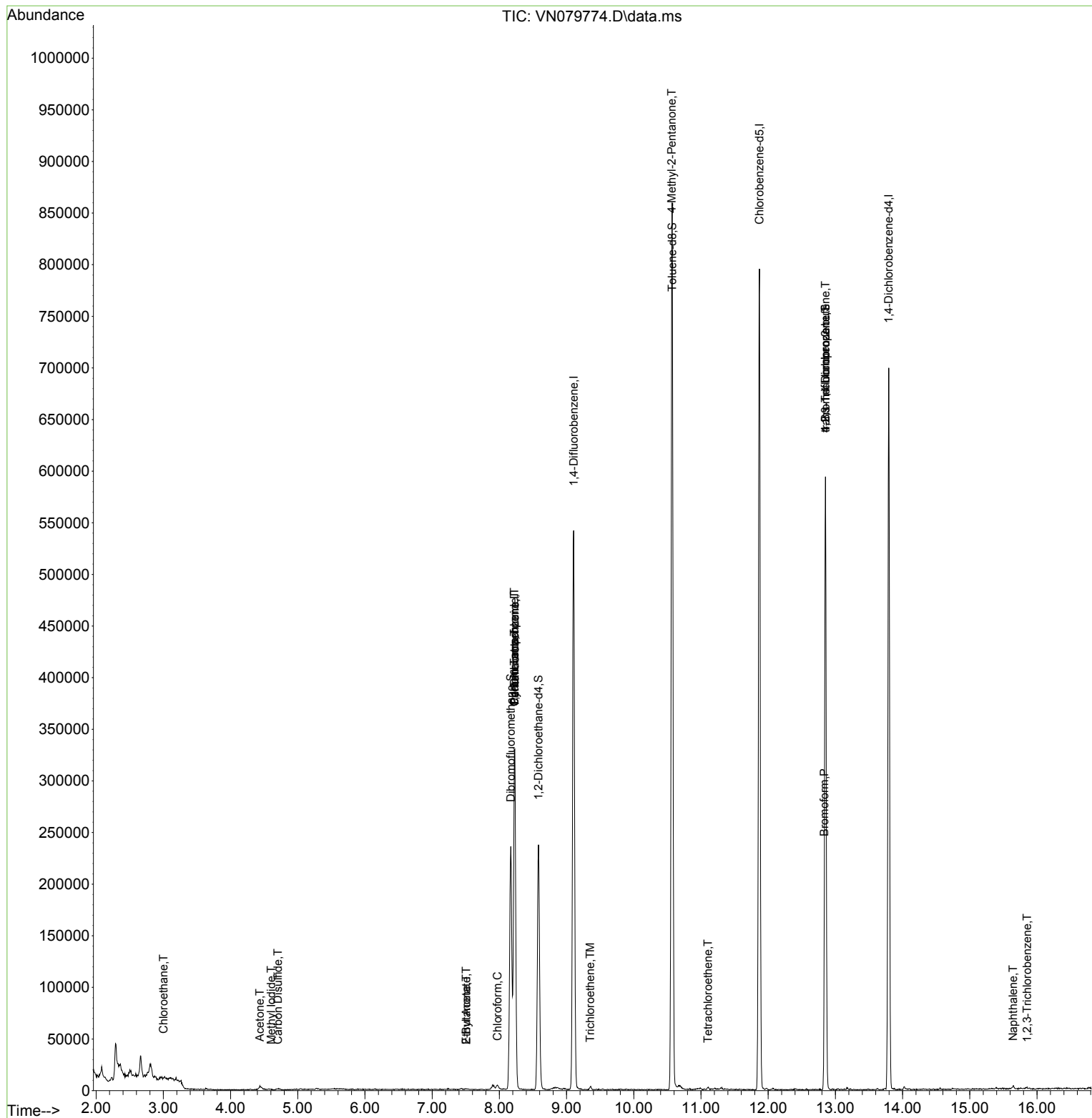
Internal Standards						
1) Pentafluorobenzene	8.230	168	237075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	452824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	190342	52.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.400%	
35) Dibromofluoromethane	8.171	113	165029	50.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.780%	
50) Toluene-d8	10.571	98	591461	49.061	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.120%	
62) 4-Bromofluorobenzene	12.853	95	194669	48.689	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.380%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.001	64	1230	0.416	ug/l #	57
10) Methyl Iodide	4.606	142	1140	0.370	ug/l #	92
16) Acetone	4.436	43	6206	4.892	ug/l #	80
17) Carbon Disulfide	4.706	76	2006	0.273	ug/l #	75
25) 2-Butanone	7.506	43	1220	0.657	ug/l #	37
30) Chloroform	7.971	83	4088	0.684	ug/l	87
31) Cyclohexane	8.224	56	6538	1.370	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	21313	4.558	ug/l #	48
37) Ethyl Acetate	7.506	43	1220	0.284	ug/l #	63
38) Carbon Tetrachloride	8.224	117	25379	5.386	ug/l #	16
44) Trichloroethene	9.353	130	1131	0.325	ug/l	55
51) 4-Methyl-2-Pentanone	10.565	43	2619	0.619	ug/l #	1
64) Tetrachloroethene	11.106	164	685	0.234	ug/l #	52
71) Bromoform	12.835	173	552	0.220	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	105797	25.084	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105797	68.248	ug/l #	15
95) Naphthalene	15.647	128	3490	0.369	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.853	180	688	0.252	ug/l	72

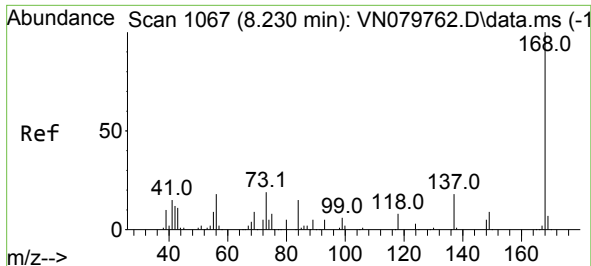
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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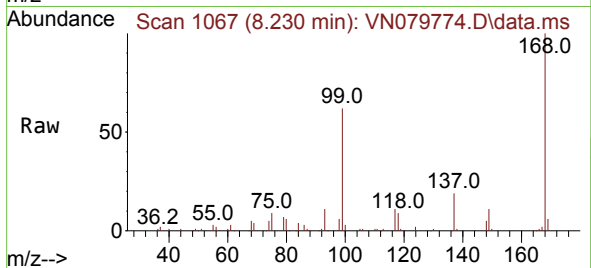
Quant Time: Nov 02 05:56:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
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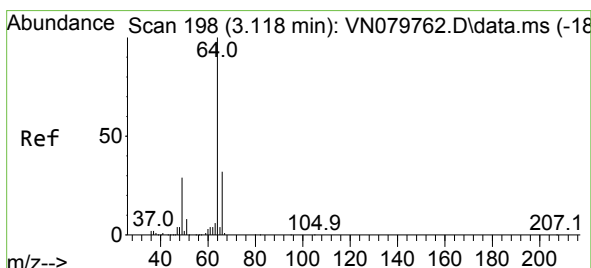
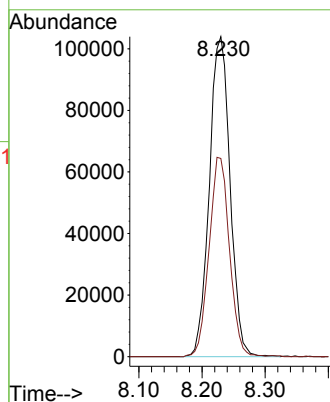
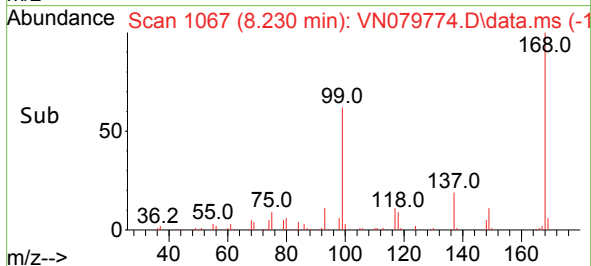


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :

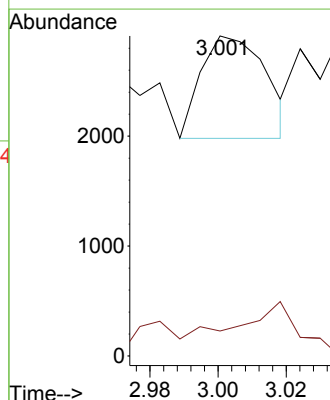
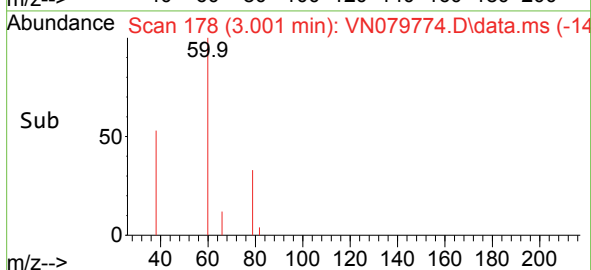
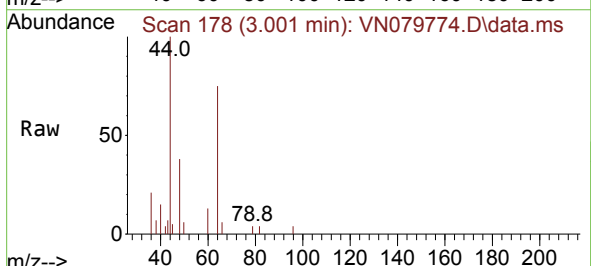


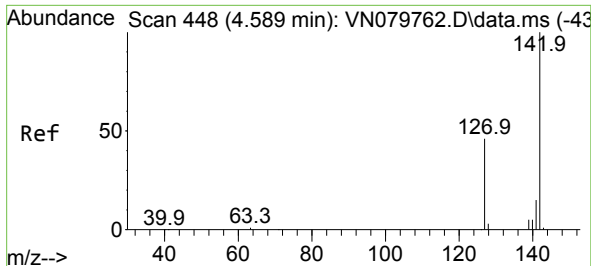
Tgt Ion:168 Resp: 237075
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#6
Chloroethane
Concen: 0.416 ug/l
RT: 3.001 min Scan# 178
Delta R.T. -0.118 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

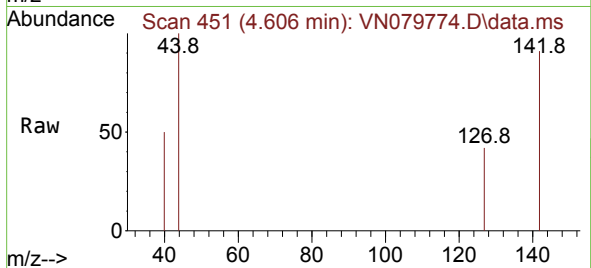
Tgt Ion: 64 Resp: 1230
Ion Ratio Lower Upper
64 100
66 7.8 25.4 38.2#



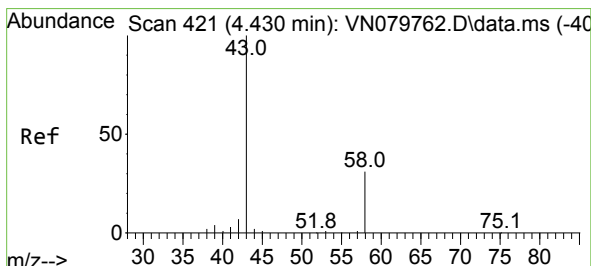
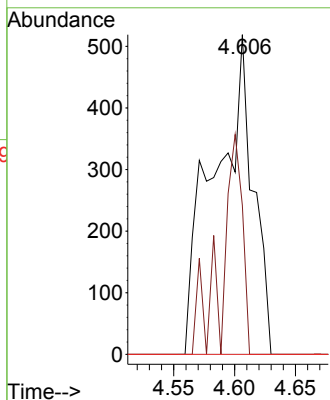
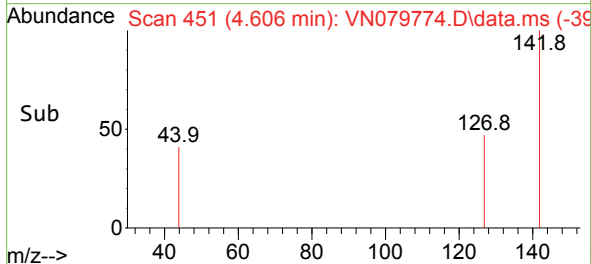


#10
Methyl Iodide
Concen: 0.370 ug/l
RT: 4.606 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :

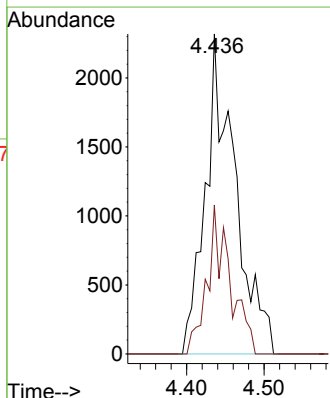
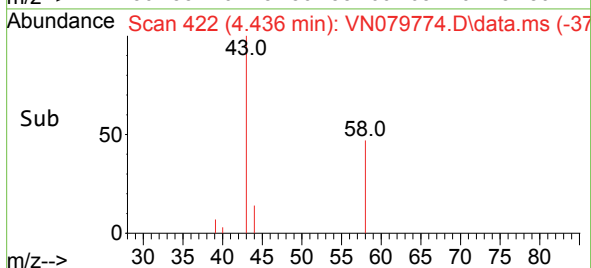
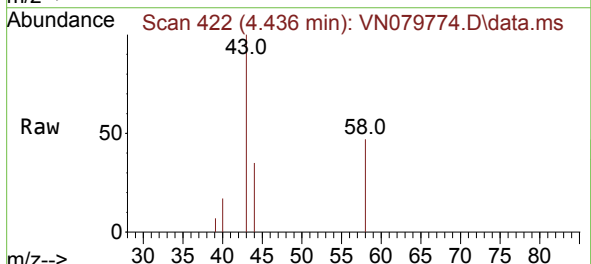


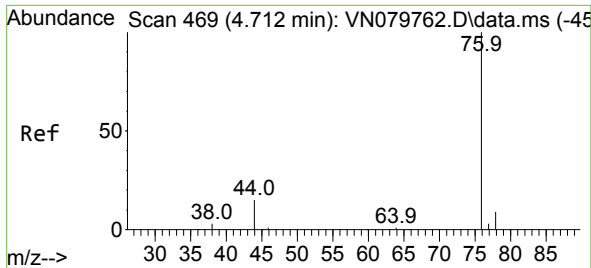
Tgt Ion:142 Resp: 1140
Ion Ratio Lower Upper
142 100
127 46.6 37.6 56.4
141 0.0 11.4 17.0#



#16
Acetone
Concen: 4.892 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

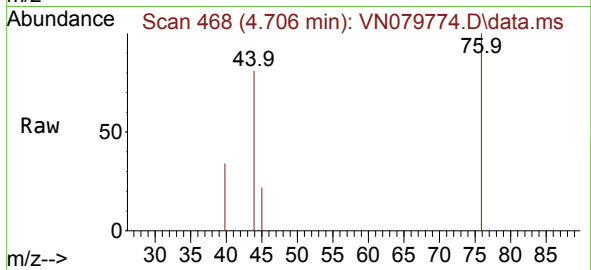
Tgt Ion: 43 Resp: 6206
Ion Ratio Lower Upper
43 100
58 46.5 28.0 42.0#



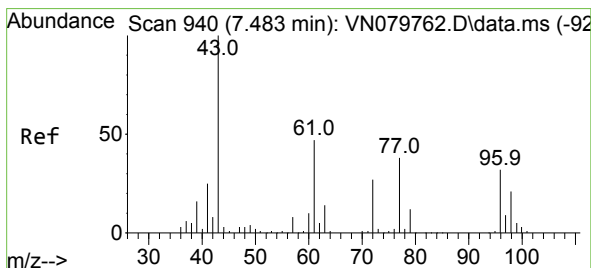
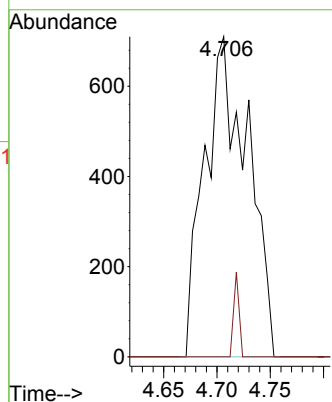


#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :

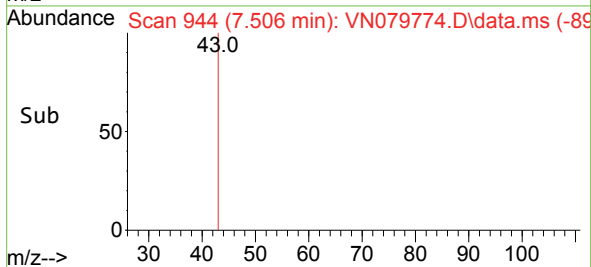
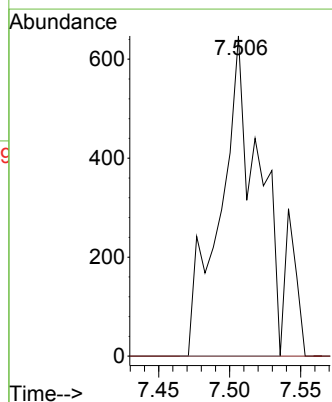
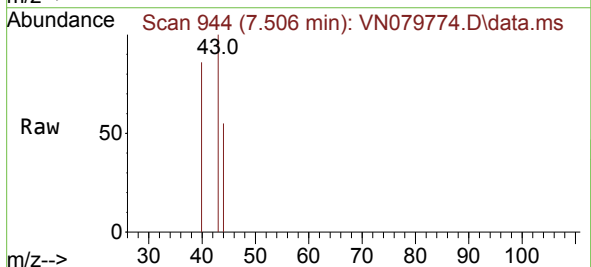


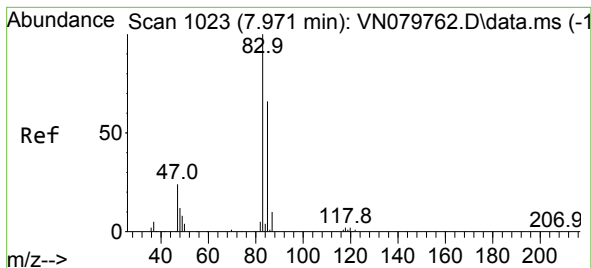
Tgt Ion: 76 Resp: 2006
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#25
2-Butanone
Concen: 0.657 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#30

Chloroform

Concen: 0.684 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

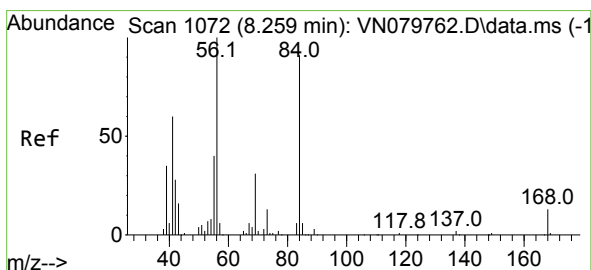
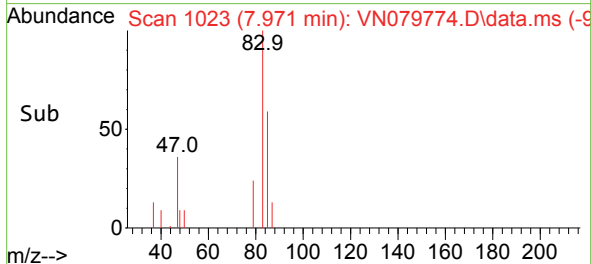
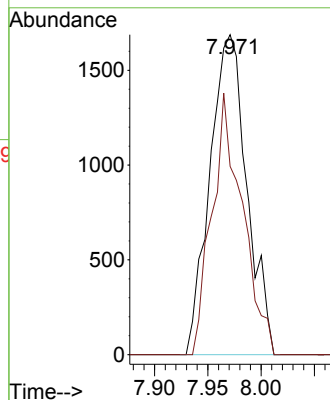
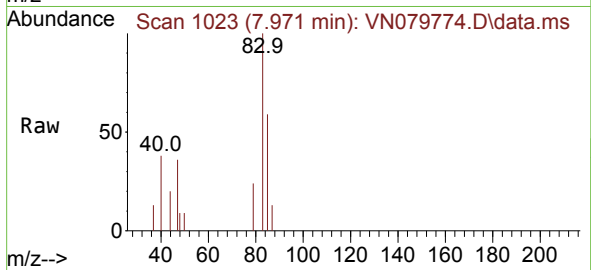
ClientSampleId :

Tgt Ion: 83 Resp: 4088

Ion Ratio Lower Upper

83 100

85 58.8 55.4 83.0



#31

Cyclohexane

Concen: 1.370 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

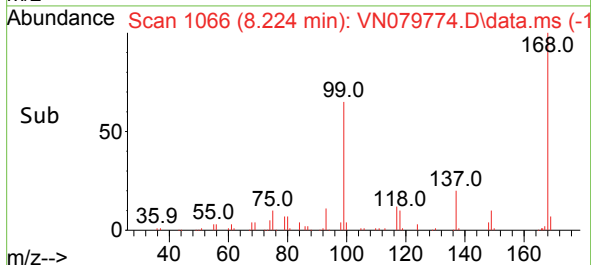
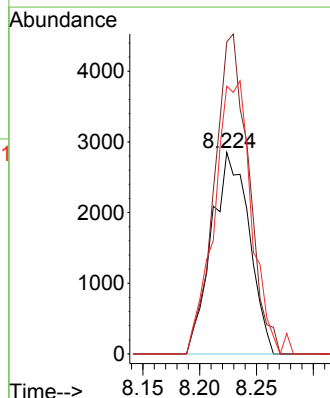
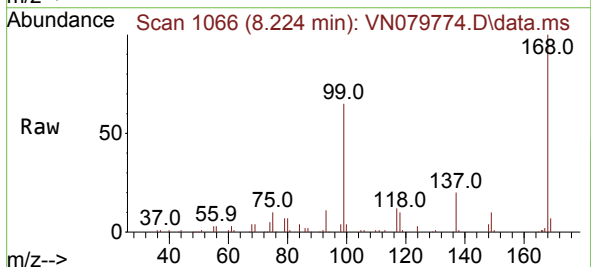
Tgt Ion: 56 Resp: 6538

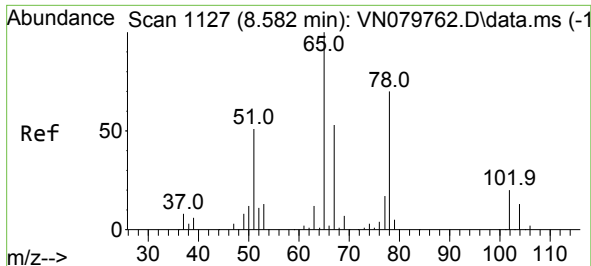
Ion Ratio Lower Upper

56 100

69 154.8 26.8 40.2#

84 132.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.698 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

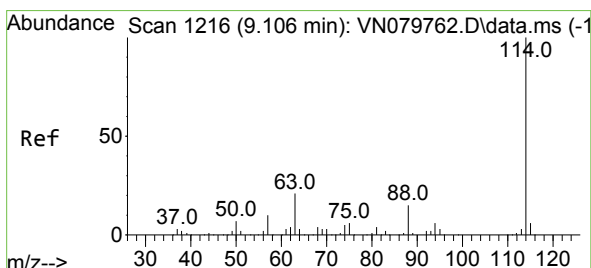
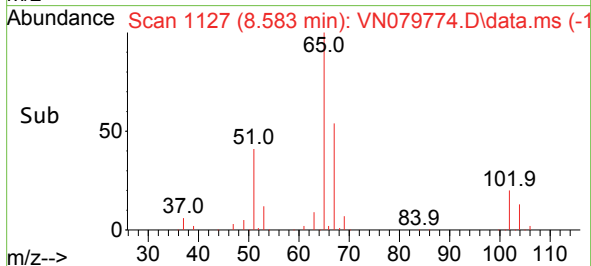
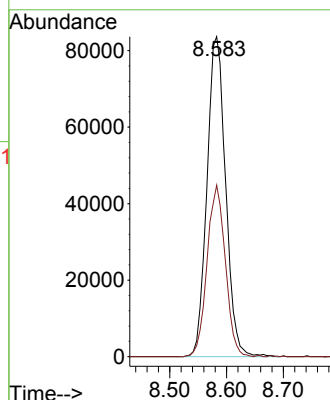
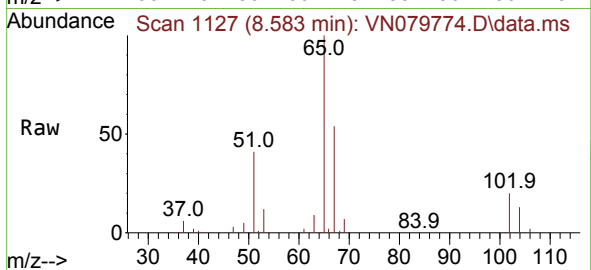
ClientSampleId :

Tgt Ion: 65 Resp: 190342

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

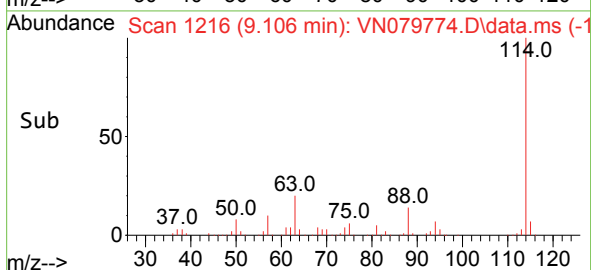
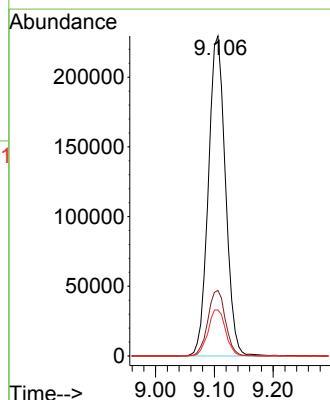
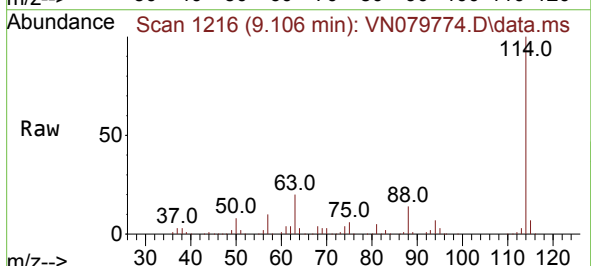
Tgt Ion: 114 Resp: 462696

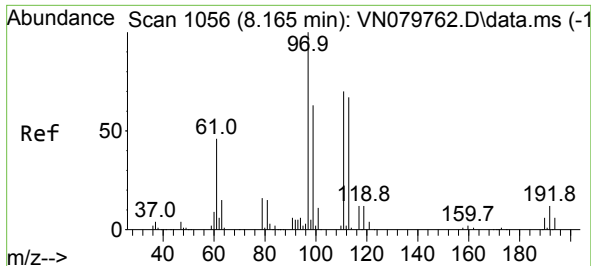
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 14.4 0.0 30.6

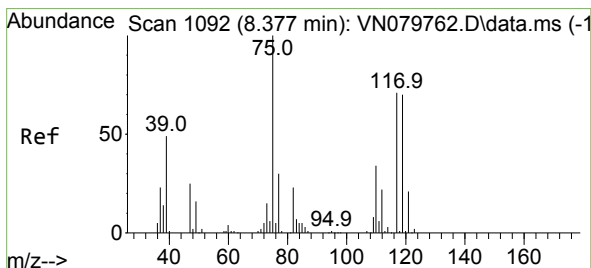
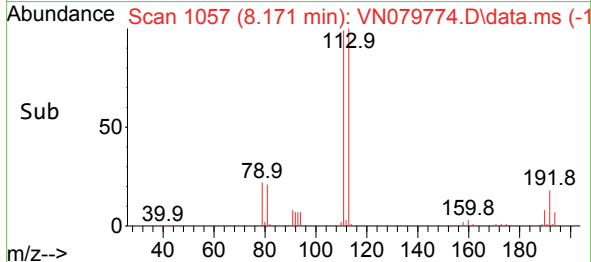
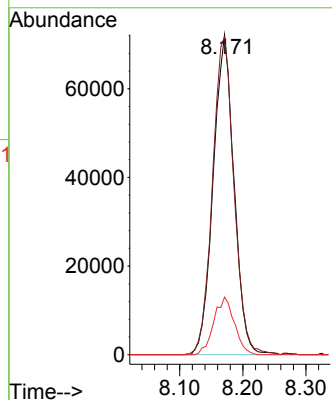
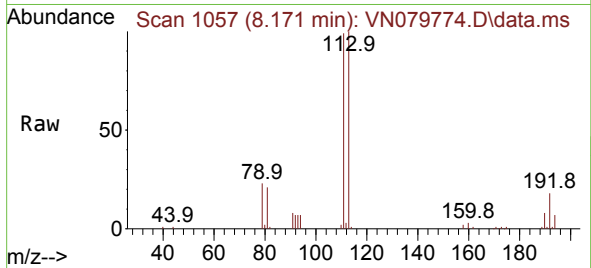




#35
Dibromofluoromethane
Concen: 50.394 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

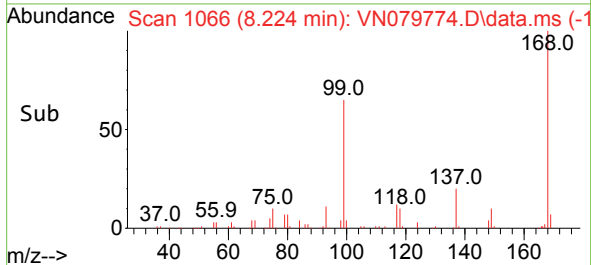
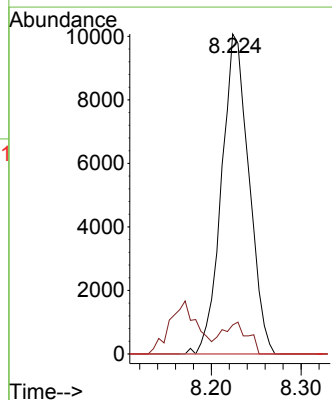
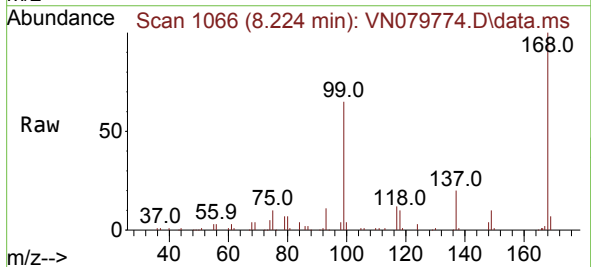
Instrument :
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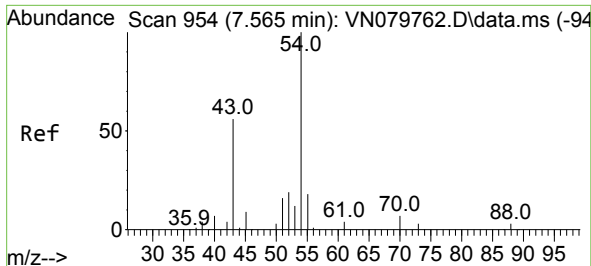
Tgt Ion:113 Resp: 165029
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 17.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.558 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

Tgt Ion: 75 Resp: 21313
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.284 ug/l

RT: 7.506 min Scan# 94

Delta R.T. -0.059 min

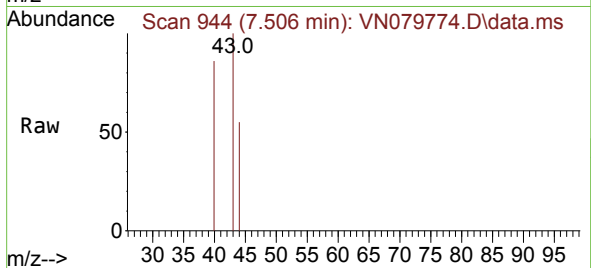
Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

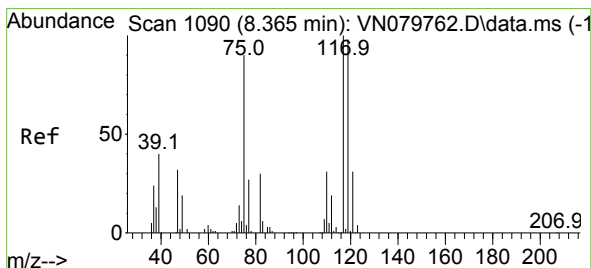
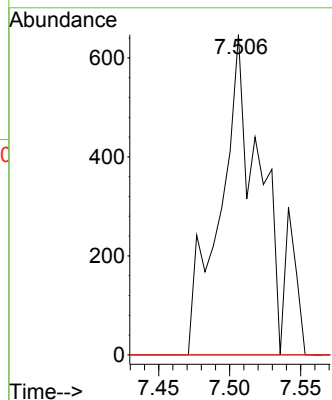
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1220		
Ion Ratio	Lower	Upper	
43 100			
61 0.0	13.2	19.8#	
70 0.0	11.3	16.9#	



#38

Carbon Tetrachloride

Concen: 5.386 ug/l

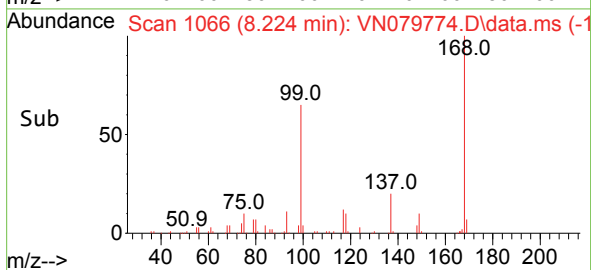
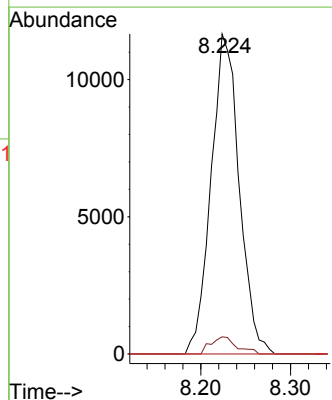
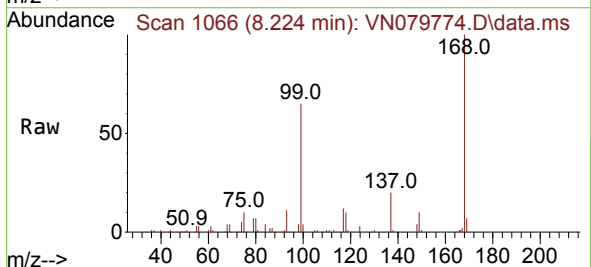
RT: 8.224 min Scan# 1066

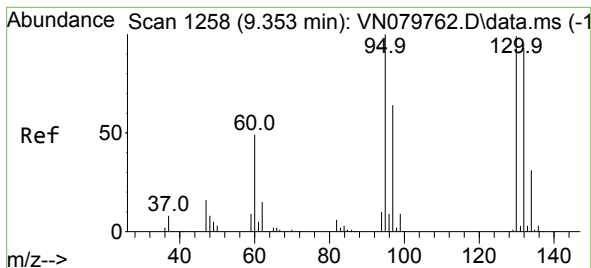
Delta R.T. -0.135 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Tgt Ion:117	Resp:	25379	
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.3	115.9#
121	0.0	23.3	34.9#





#44

Trichloroethene

Concen: 0.325 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

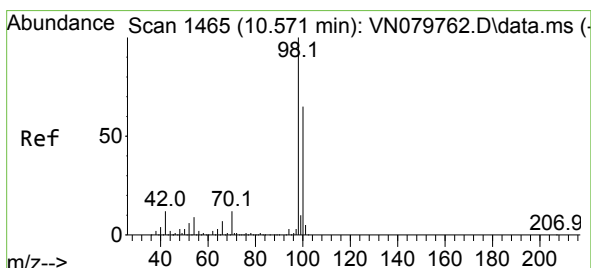
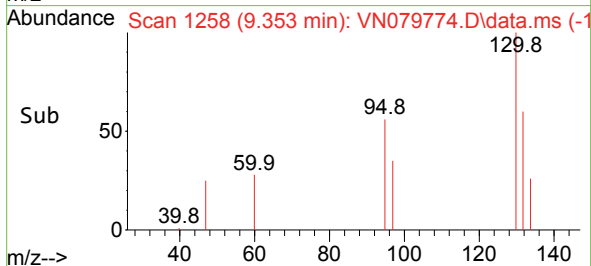
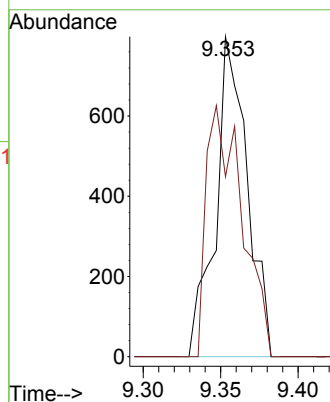
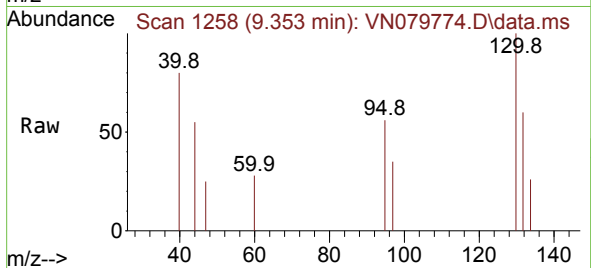
ClientSampleId :

Tgt Ion:130 Resp: 1131

Ion Ratio Lower Upper

130 100

95 56.3 0.0 204.6



#50

Toluene-d8

Concen: 49.061 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079774.D

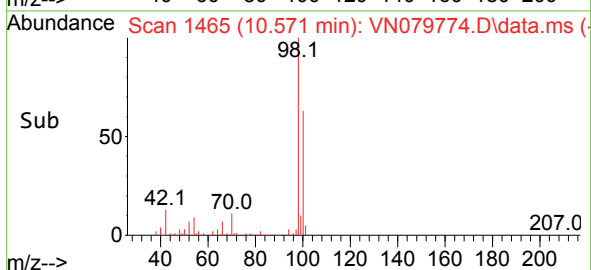
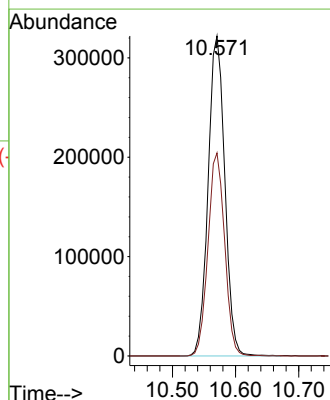
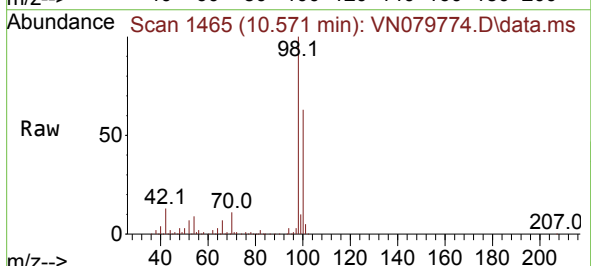
Acq: 01 Nov 2023 16:19

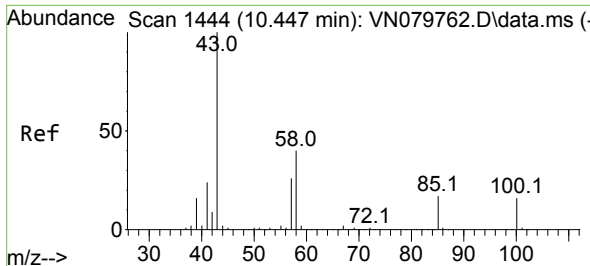
Tgt Ion: 98 Resp: 591461

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.619 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

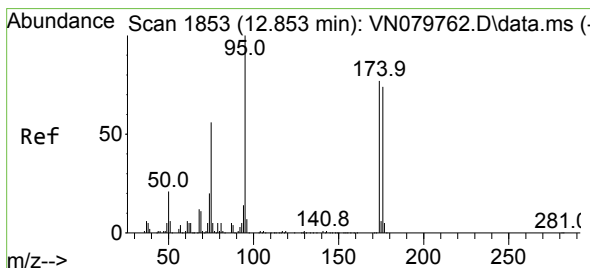
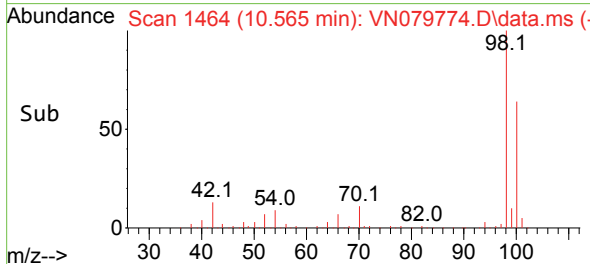
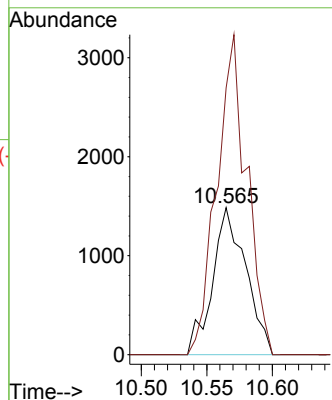
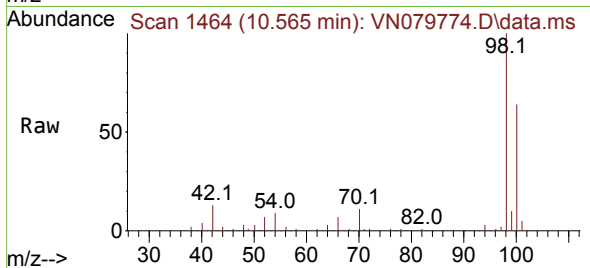
ClientSampleId :

Tgt Ion: 43 Resp: 2619

Ion Ratio Lower Upper

43 100

58 196.3 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 48.689 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

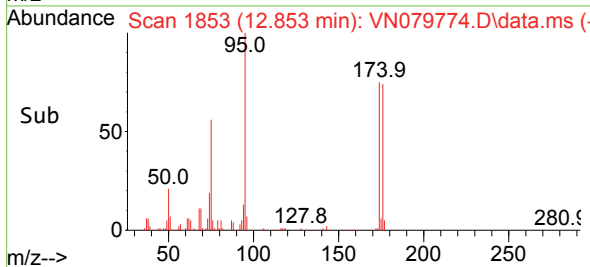
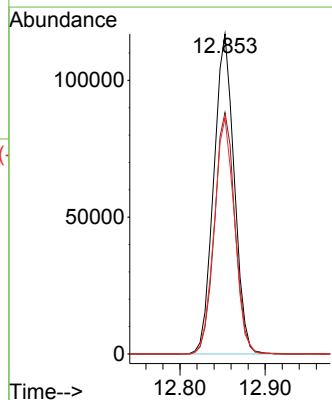
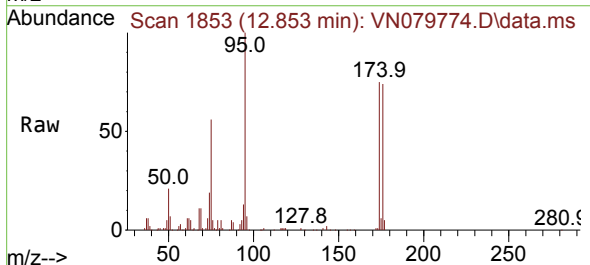
Tgt Ion: 95 Resp: 194669

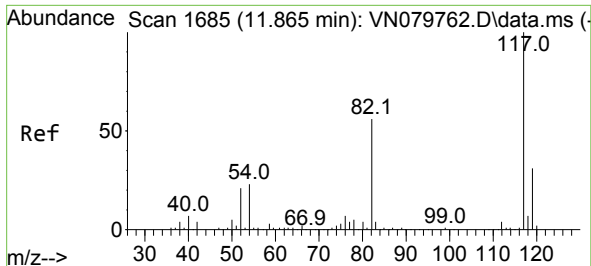
Ion Ratio Lower Upper

95 100

174 75.2 0.0 143.8

176 73.5 0.0 135.8

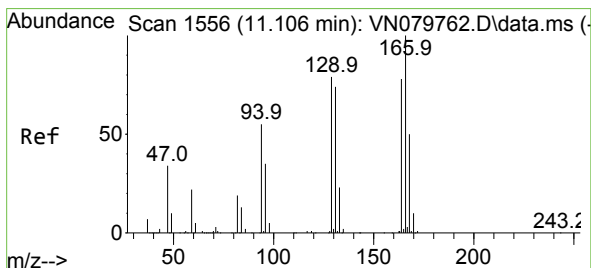
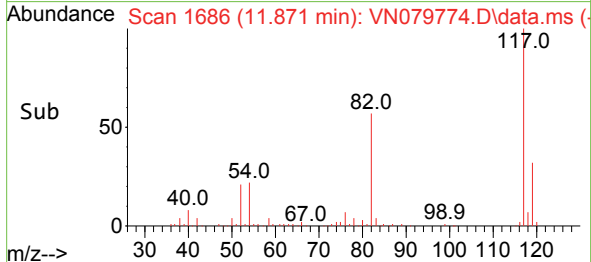
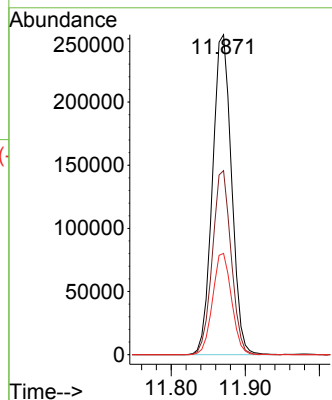
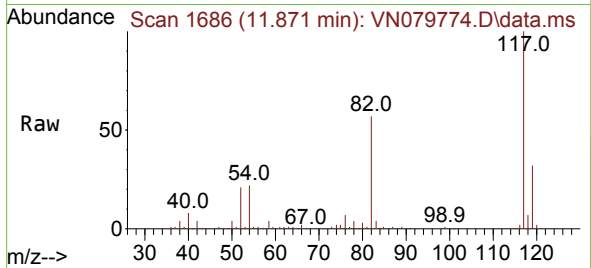




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

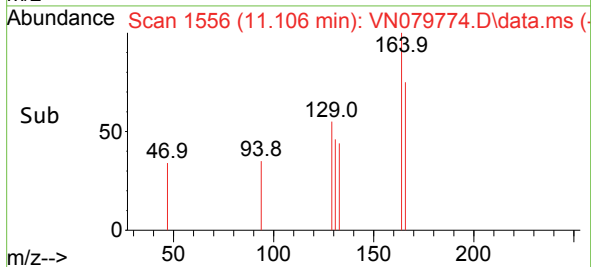
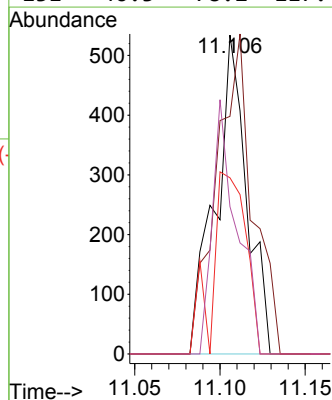
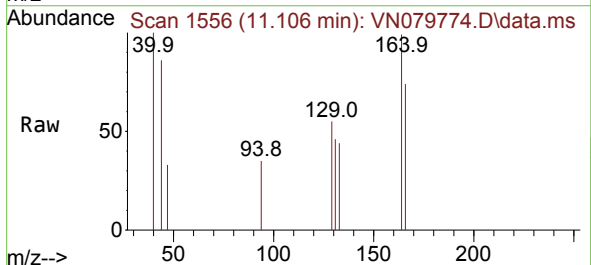
Instrument :
MSVOA_N
ClientSampleId :

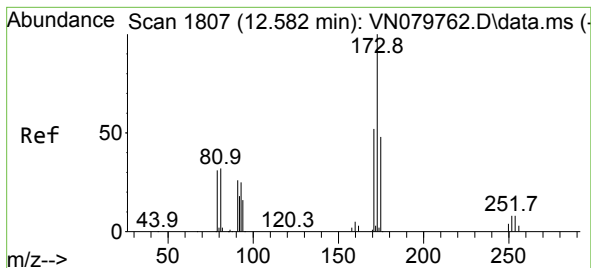
Tgt Ion:117 Resp: 452824
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 0.234 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079774.D
Acq: 01 Nov 2023 16:19

Tgt Ion:164 Resp: 685
Ion Ratio Lower Upper
164 100
166 74.5 101.4 152.0#
129 55.2 82.4 123.6#
131 46.3 78.2 117.4#





#71

Bromoform

Concen: 0.220 ug/l

RT: 12.835 min Scan# 1807

Delta R.T. 0.253 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

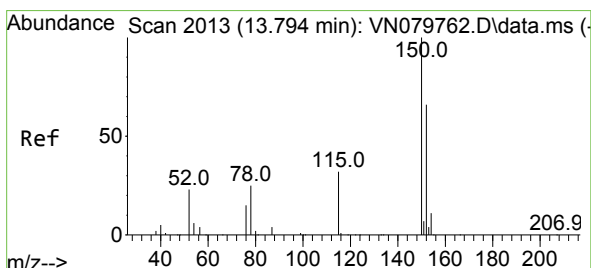
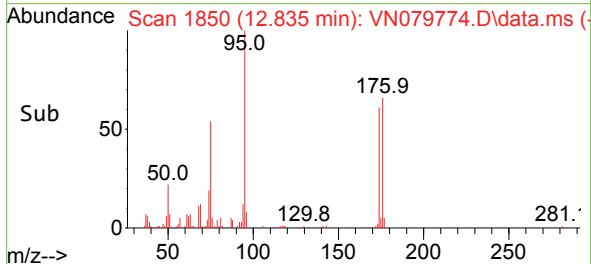
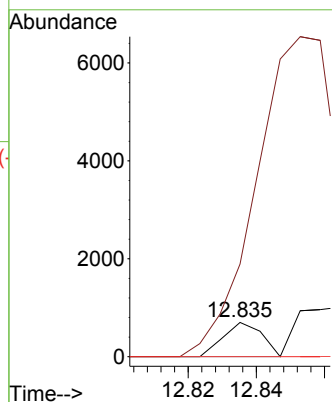
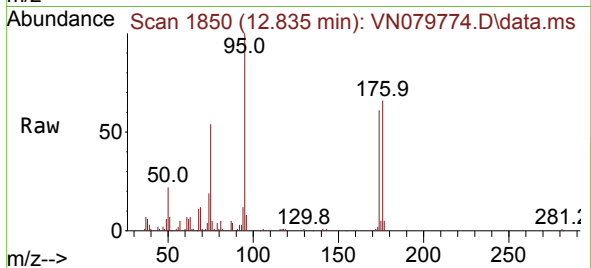
Tgt Ion:173 Resp: 552

Ion Ratio Lower Upper

173 100

175 1669.6 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: VN079774.D

Acq: 01 Nov 2023 16:19

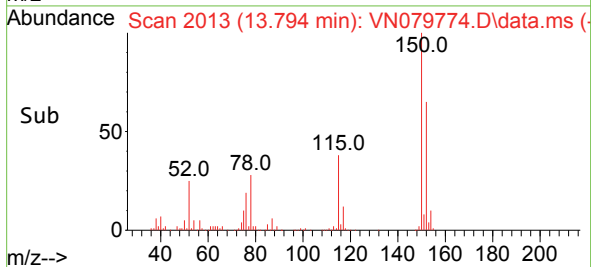
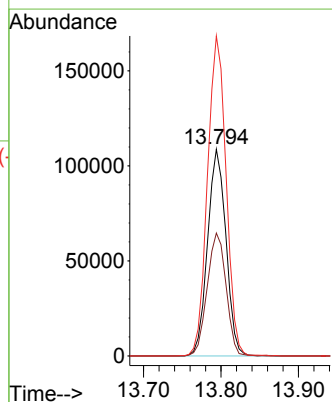
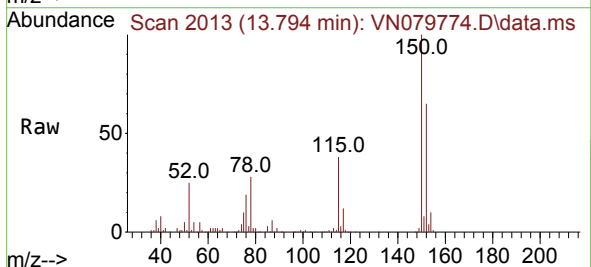
Tgt Ion:152 Resp: 179651

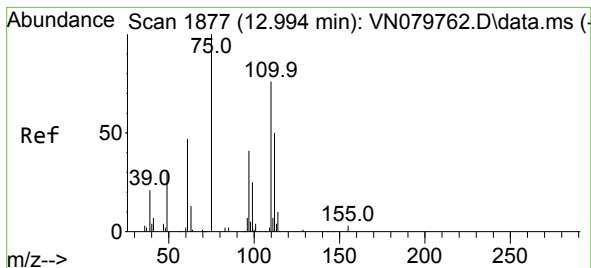
Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 156.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.084 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

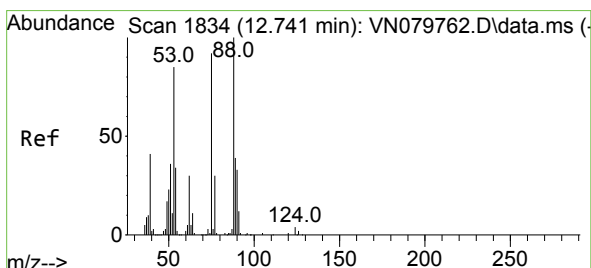
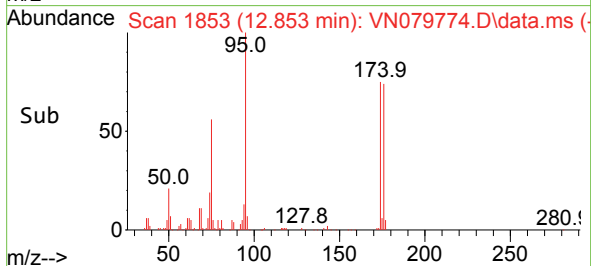
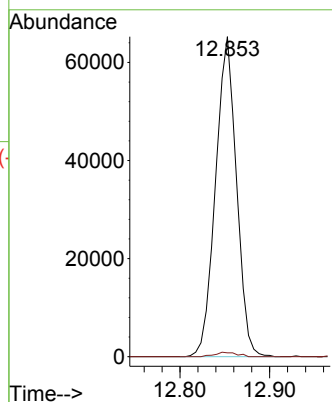
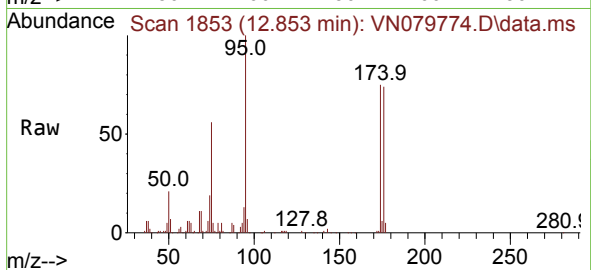
ClientSampleId :

Tgt Ion: 75 Resp: 105797

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.248 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

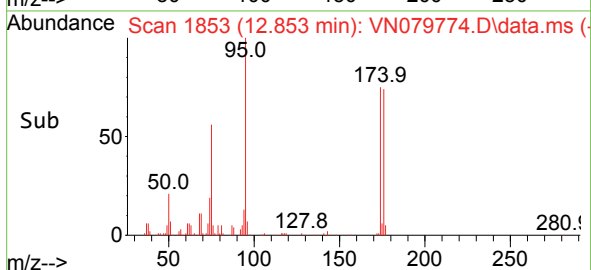
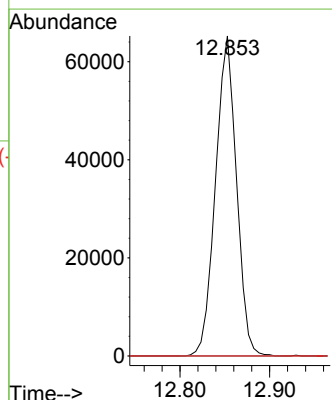
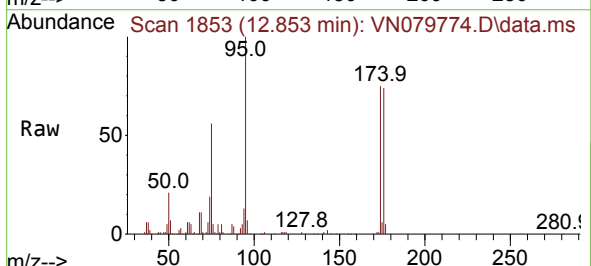
Tgt Ion: 75 Resp: 105797

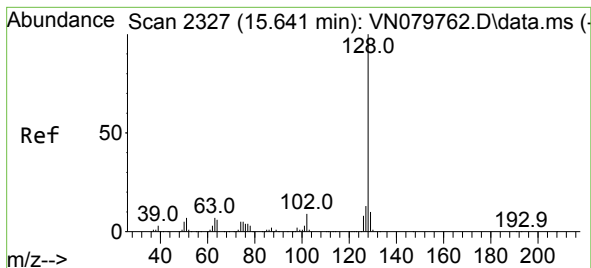
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.369 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN079774.D

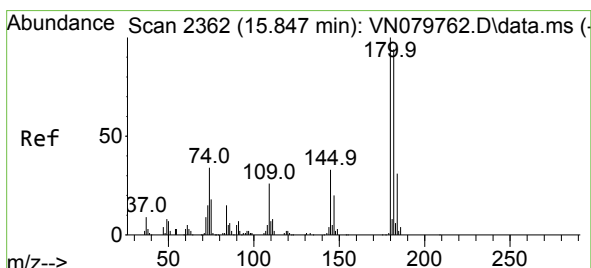
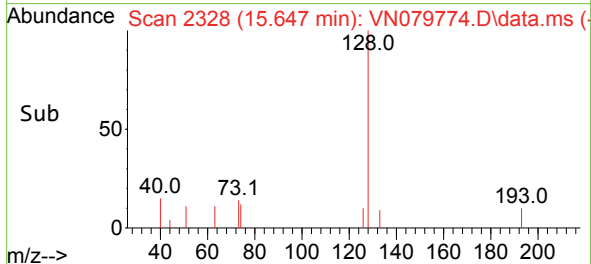
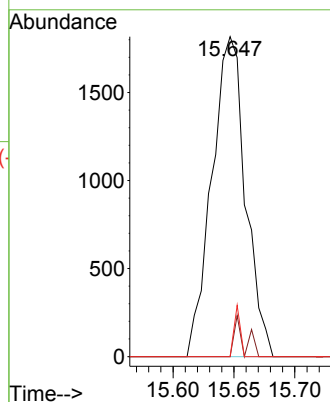
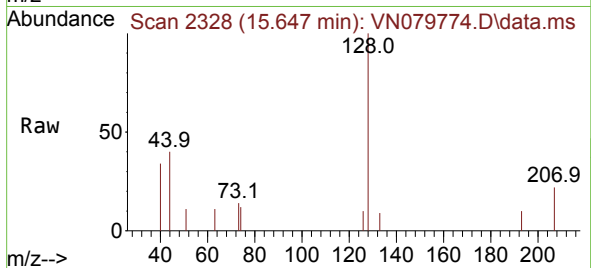
Acq: 01 Nov 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	3490
Ion Ratio	Lower	Upper
128	100	
127	3.9	10.0 15.0#
129	3.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.252 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.012 min

Lab File: VN079774.D

Acq: 01 Nov 2023 16:19

Tgt Ion:180	Resp:	688
Ion Ratio	Lower	Upper
180	100	
182	64.0	46.2 138.6
145	20.9	17.5 52.6

