

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079775.D
 Acq On : 01 Nov 2023 16:44
 Operator : JC\MD
 Sample : 05173-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-150-152

Quant Time: Nov 02 05:56:42 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

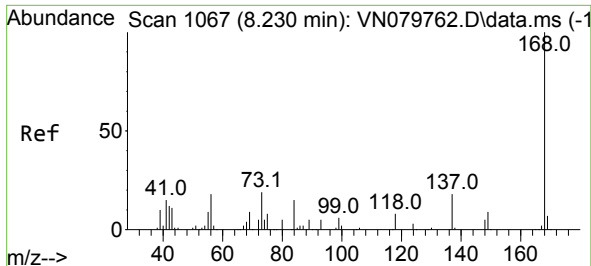
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.988	168	333	50.000	ug/l	#-0.24
34) 1,4-Difluorobenzene	8.865	114	662366	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.818	117	362441	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.782	152	176190	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.265	65	280826	55352.985	ug/l	-0.32
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110705.960%#
35) Dibromofluoromethane	7.800	113	208722	44.523	ug/l	-0.37
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.040%
50) Toluene-d8	10.453	98	779777	45.183	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.360%
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.212	50	169	33.221	ug/l #	42
8) Diethyl Ether	4.042	74	85	34.300	ug/l #	15
14) Allyl chloride	4.700	41	60	10.929	ug/l #	19
16) Acetone	4.259	43	61	34.230	ug/l #	40
23) Vinyl Acetate	6.659	43	1285	183.109	ug/l #	62
25) 2-Butanone	7.124	43	60	22.992	ug/l #	37
28) Bromochloromethane	7.565	49	60	15.922	ug/l #	5
30) Chloroform	7.559	83	2642	314.539	ug/l	97
31) Cyclohexane	7.877	56	7354	1096.960	ug/l #	1
32) 1,1,1-Trichloroethane	7.806	97	54	7.890	ug/l #	24
38) Carbon Tetrachloride	7.882	117	30914	4.583	ug/l #	17
44) Trichloroethene	9.141	130	1867	0.375	ug/l	55
55) 1,1,2-Trichloroethane	10.465	97	19229	4.022	ug/l #	1
56) Ethyl methacrylate	10.459	69	2339	0.343	ug/l #	45
60) Dibromochloromethane	11.023	129	1529	0.299	ug/l #	11
64) Tetrachloroethene	11.018	164	1438	0.613	ug/l	90
71) Bromoform	12.829	173	1912	0.951	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	101311	24.492	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	101311	66.638	ug/l #	15
95) Naphthalene	15.647	128	2524	0.272	ug/l #	84

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

Quant Time: Nov 02 05:56:42 2023
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Response via : Initial Calibration

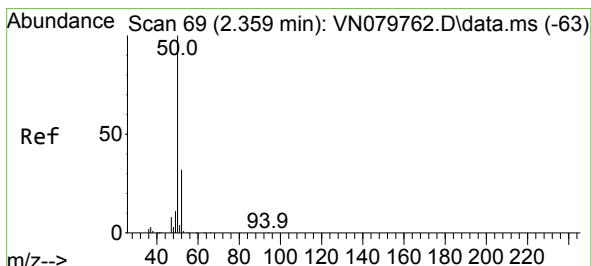
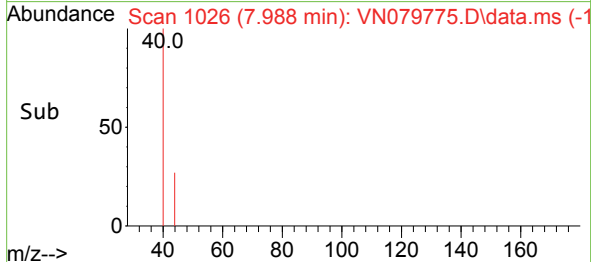
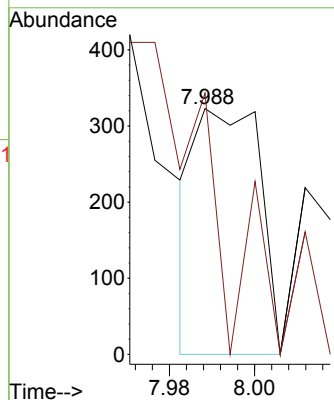
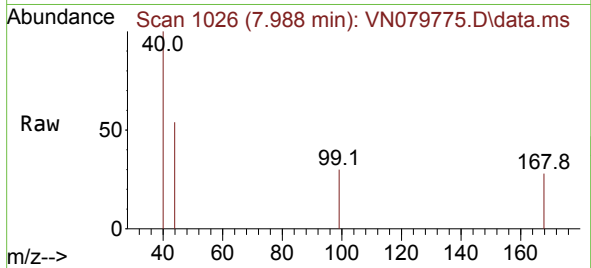




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.988 min Scan# 10
Delta R.T. -0.241 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

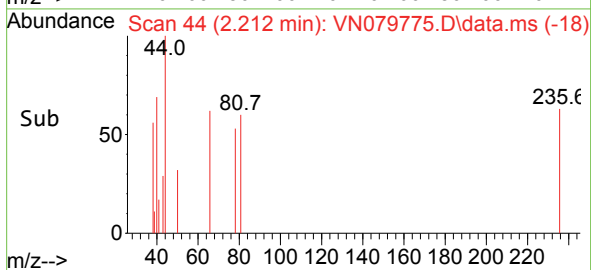
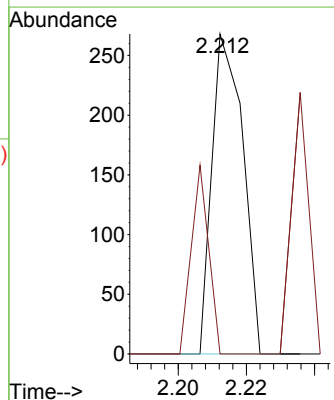
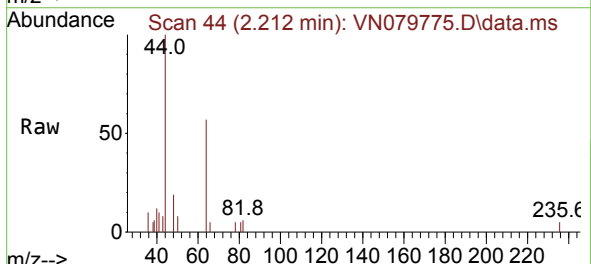
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

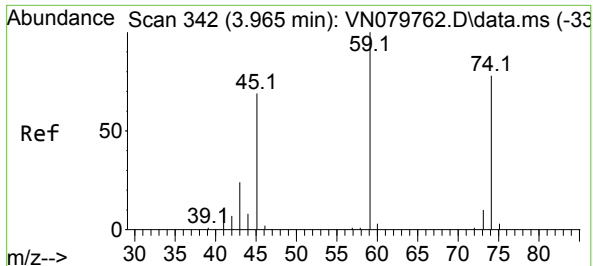
Tgt Ion:168 Resp: 333
Ion Ratio Lower Upper
168 100
99 106.2 53.0 79.6#



#3
Chloromethane
Concen: 33.221 ug/l
RT: 2.212 min Scan# 44
Delta R.T. -0.147 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

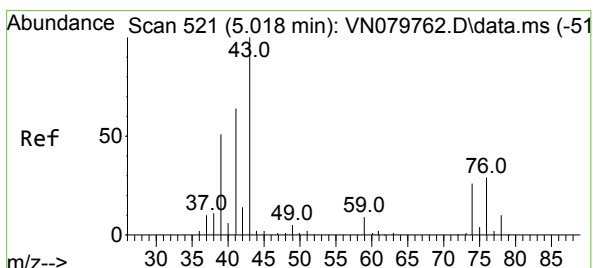
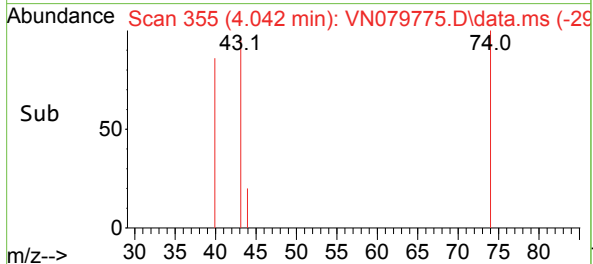
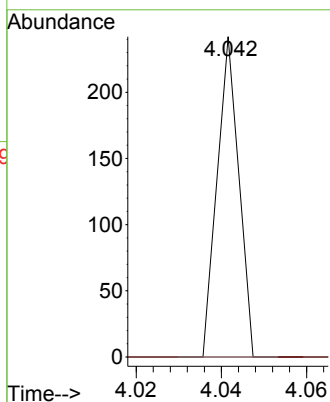
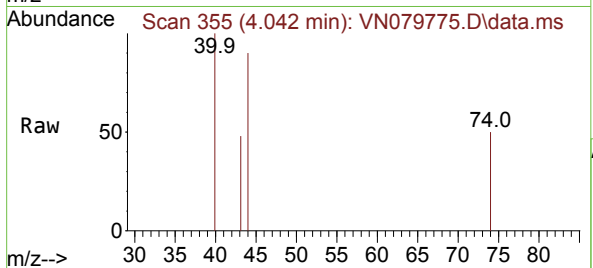




#8
Diethyl Ether
Concen: 34.300 ug/l
RT: 4.042 min Scan# 31
Delta R.T. 0.076 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

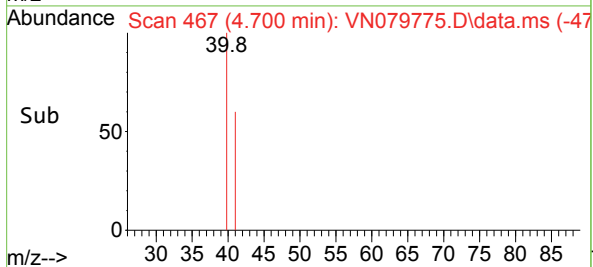
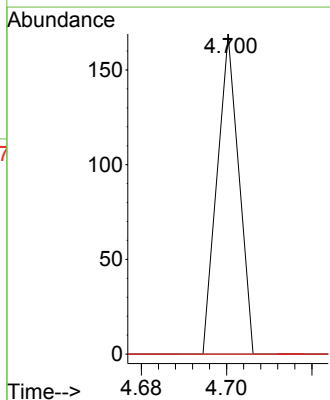
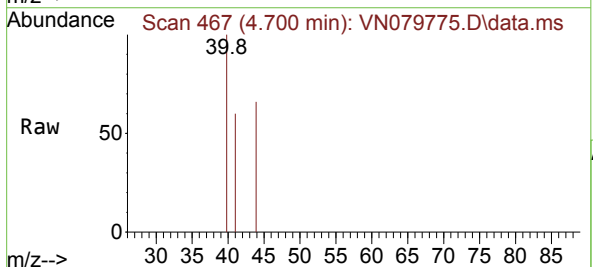
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

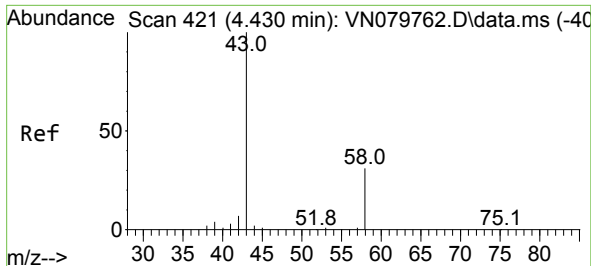
Tgt Ion: 74 Resp: 85
Ion Ratio Lower Upper
74 100
45 0.0 34.4 103.3#



#14
Allyl chloride
Concen: 10.929 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.323 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 39.1 58.7#

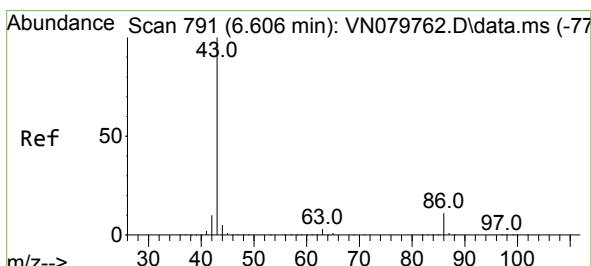
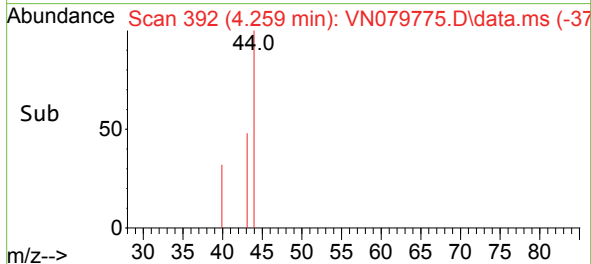
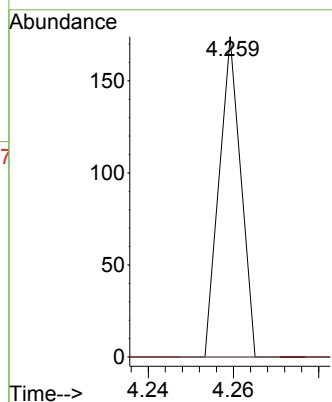
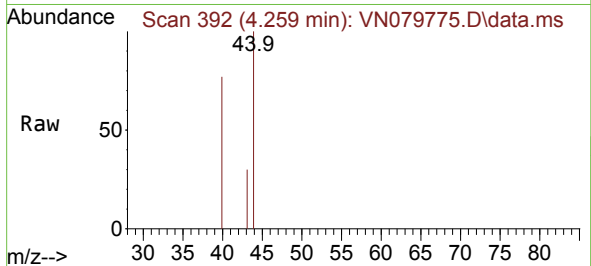




#16
Acetone
Concen: 34.230 ug/l
RT: 4.259 min Scan# 392
Delta R.T. -0.171 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

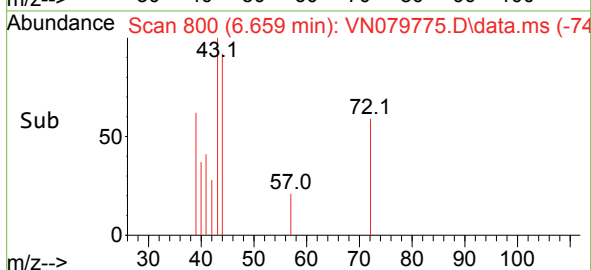
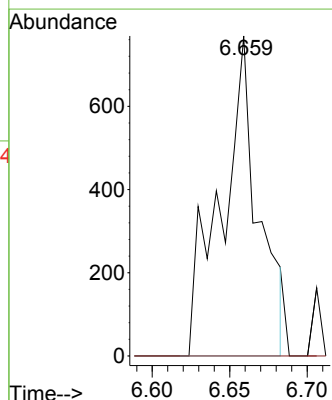
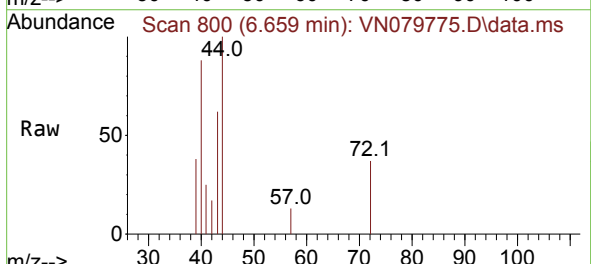
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

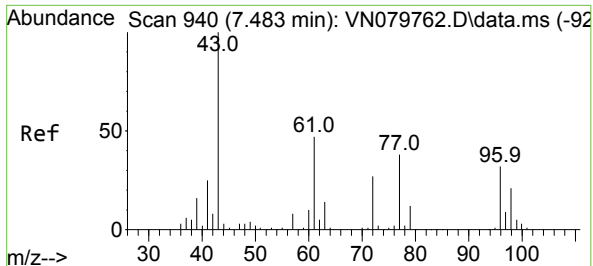
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#23
Vinyl Acetate
Concen: 183.109 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.053 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
86 0.0 13.0 19.6#





#25

2-Butanone

Concen: 22.992 ug/l

RT: 7.124 min Scan# 81

Delta R.T. -0.365 min

Lab File: VN079775.D

Acq: 01 Nov 2023 16:44

Instrument :

MSVOA_N

ClientSampleId :

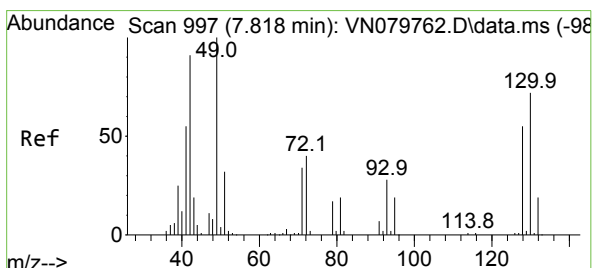
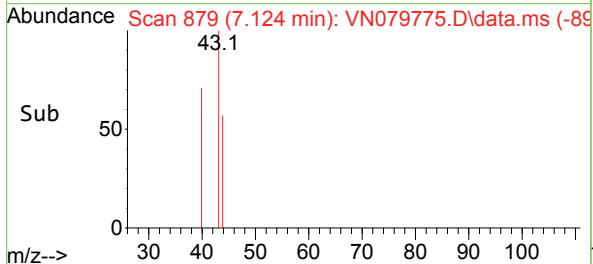
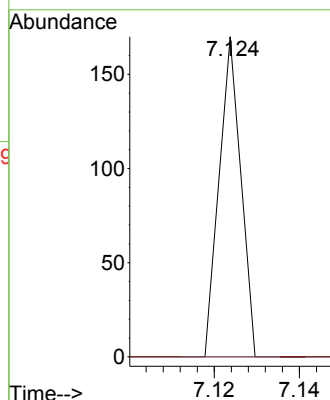
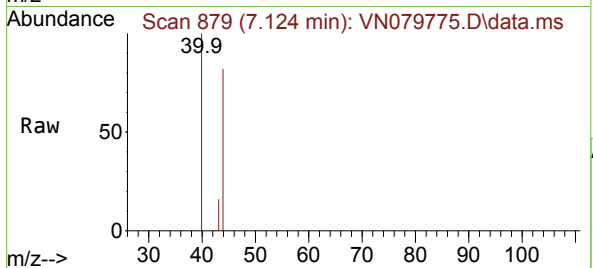
BP-VPB-188-GW-150-152

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 30.2 45.2#



#28

Bromochloromethane

Concen: 15.922 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.247 min

Lab File: VN079775.D

Acq: 01 Nov 2023 16:44

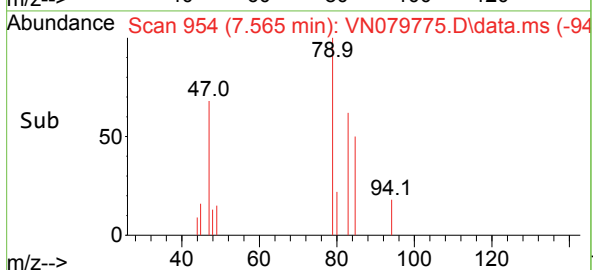
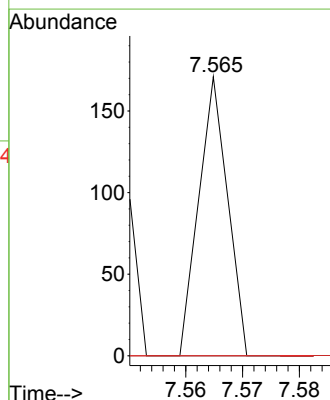
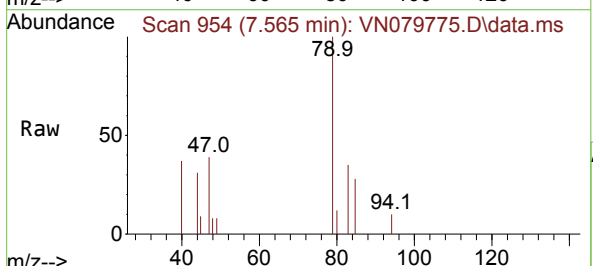
Tgt Ion: 49 Resp: 60

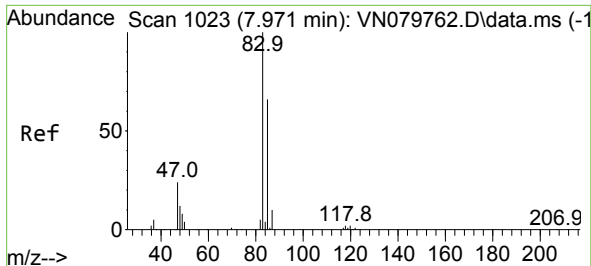
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 0.0 75.3 112.9#

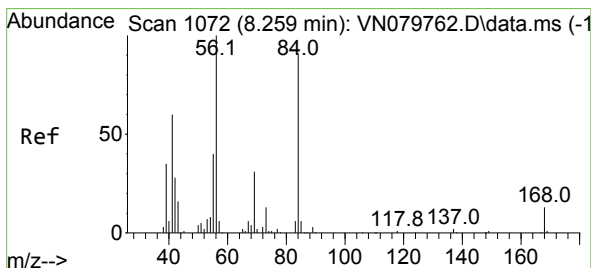
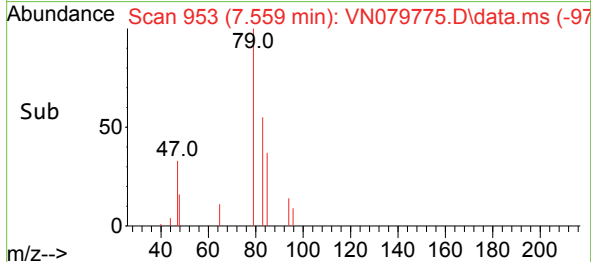
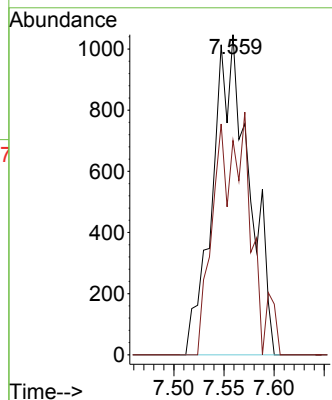
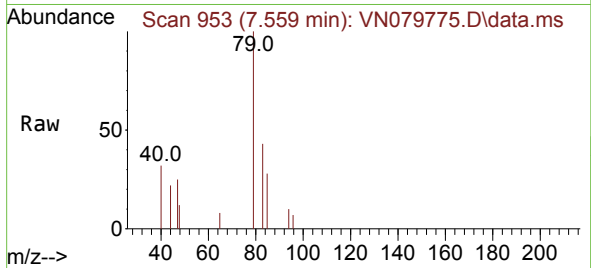




#30
Chloroform
Concen: 314.539 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.412 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

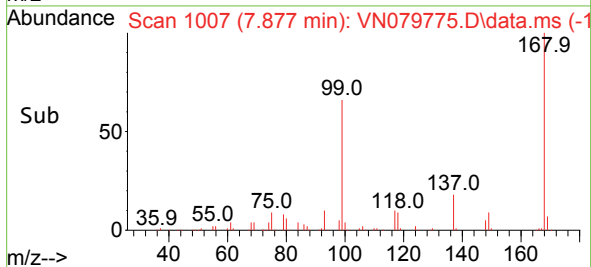
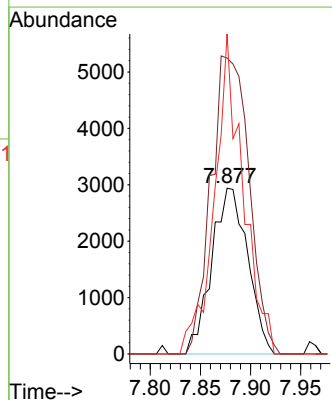
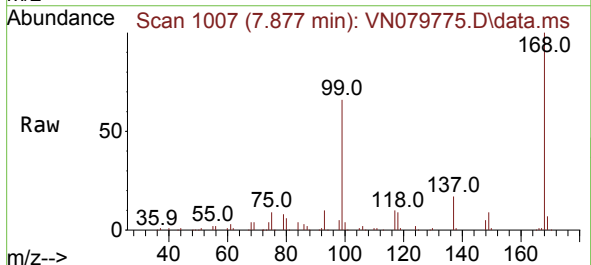
Instrument :
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BP-VPB-188-GW-150-152

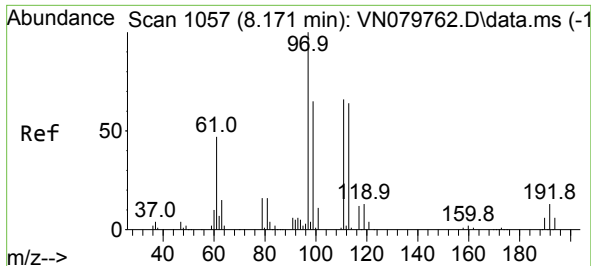
Tgt Ion: 83 Resp: 2642
Ion Ratio Lower Upper
83 100
85 67.0 55.4 83.0



#31
Cyclohexane
Concen: 1096.960 ug/l
RT: 7.877 min Scan# 1007
Delta R.T. -0.382 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 56 Resp: 7354
Ion Ratio Lower Upper
56 100
69 178.5 26.8 40.2#
84 193.1 81.8 122.6#

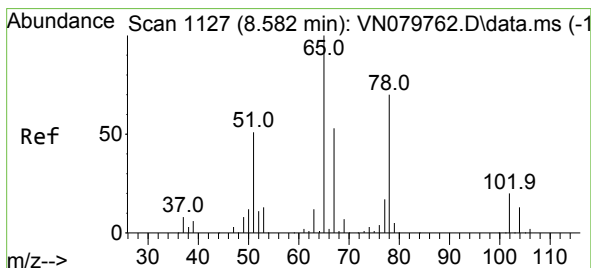
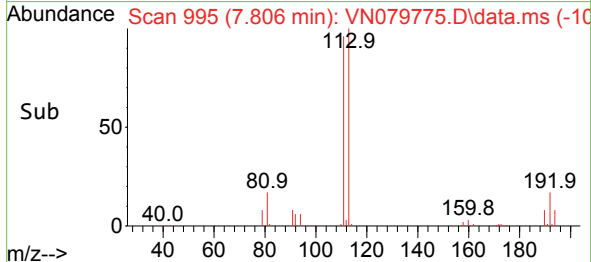
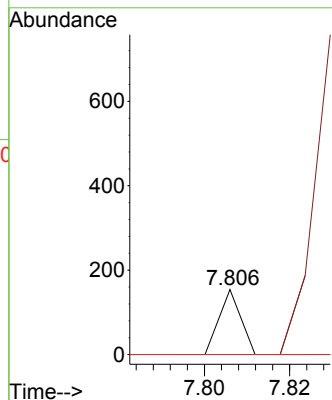
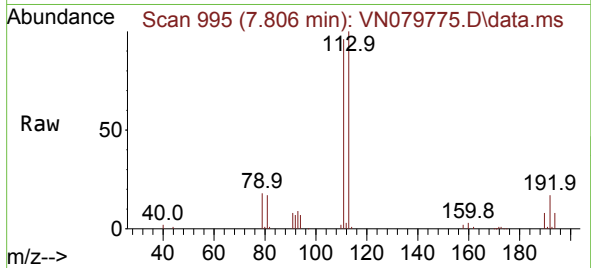




#32
1,1,1-Trichloroethane
Concen: 7.890 ug/l
RT: 7.806 min Scan# 99
Delta R.T. -0.365 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

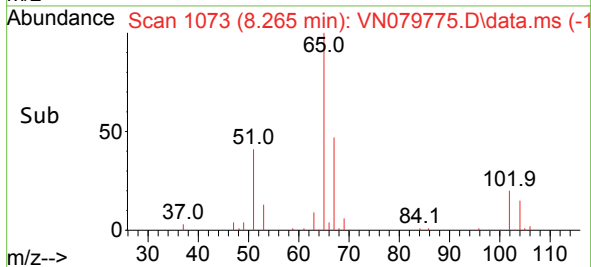
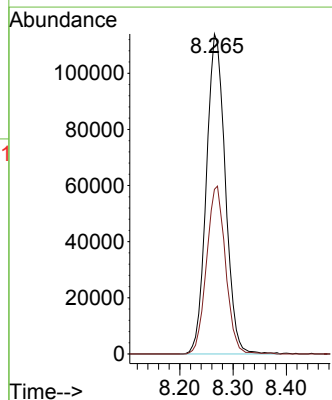
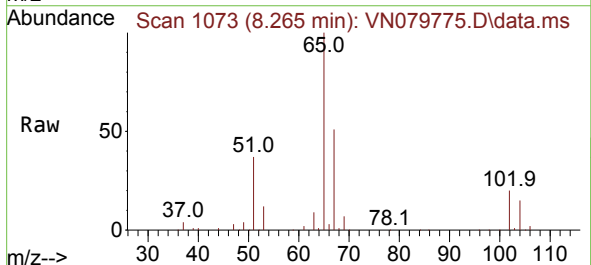
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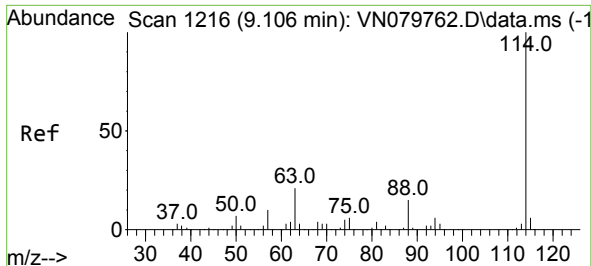
Tgt Ion: 97 Resp: 54
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 34.7 52.1#



#33
1,2-Dichloroethane-d4
Concen: 55352.985 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.318 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 65 Resp: 280826
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.865 min Scan# 1175

Delta R.T. -0.241 min

Lab File: VN079775.D

Acq: 01 Nov 2023 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-150-152

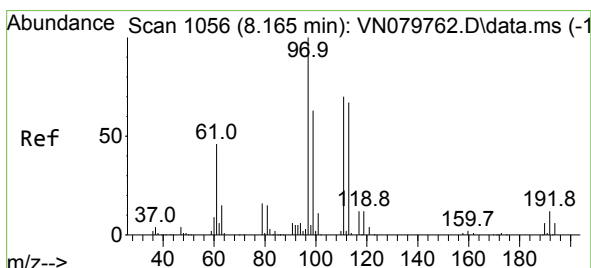
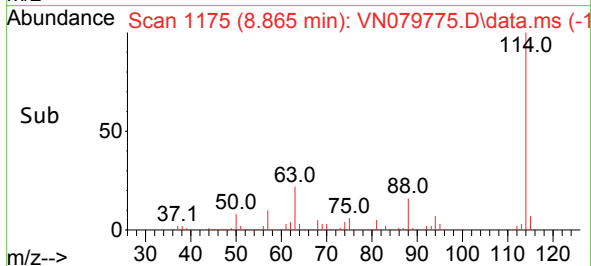
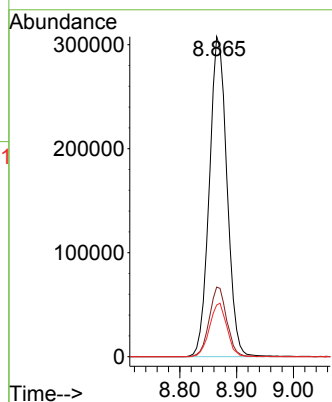
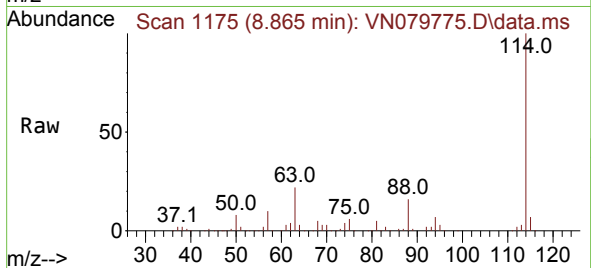
Tgt Ion:114 Resp: 662366

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.523 ug/l

RT: 7.800 min Scan# 994

Delta R.T. -0.371 min

Lab File: VN079775.D

Acq: 01 Nov 2023 16:44

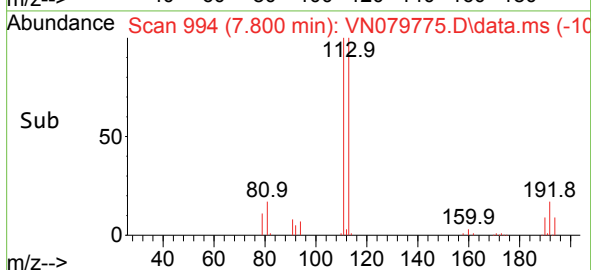
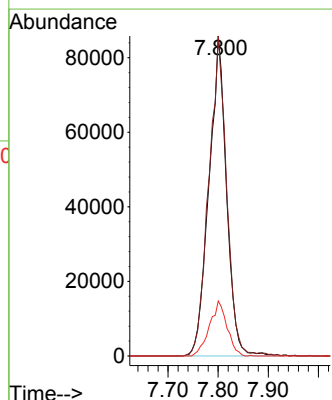
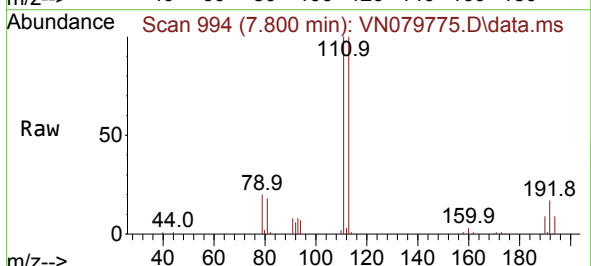
Tgt Ion:113 Resp: 208722

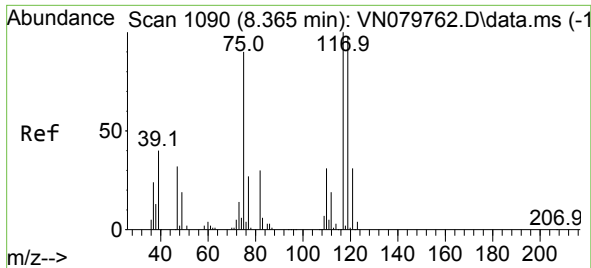
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 17.1 12.7 19.1

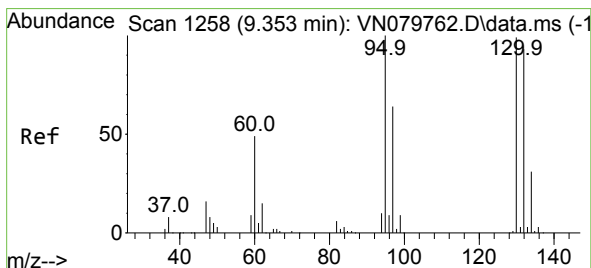
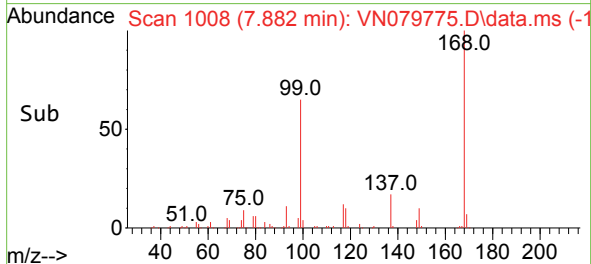
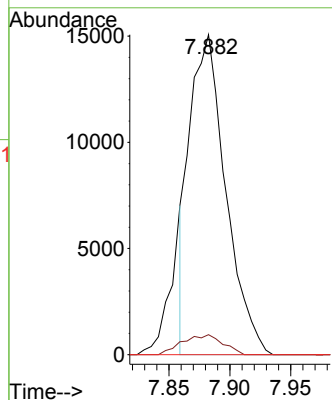
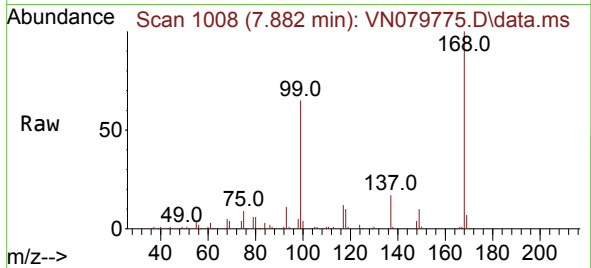




#38
Carbon Tetrachloride
Concen: 4.583 ug/l
RT: 7.882 min Scan# 1108
Delta R.T. -0.476 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

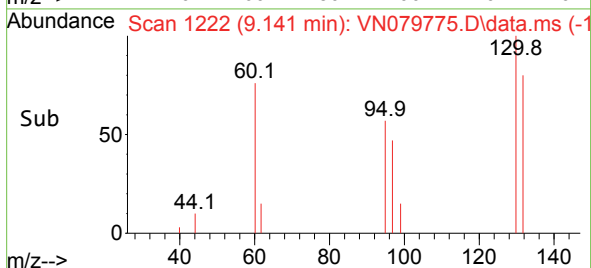
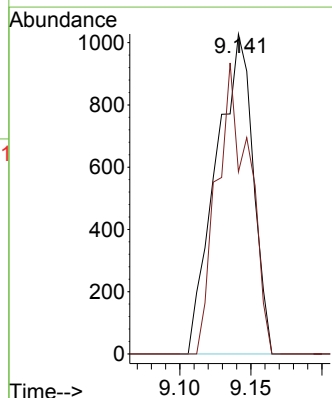
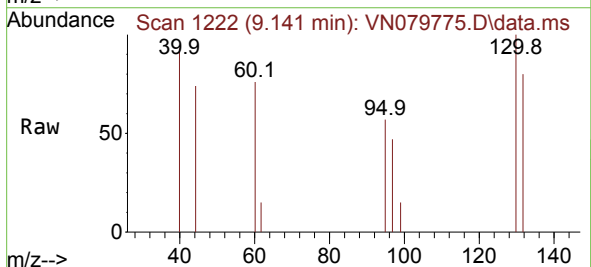
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

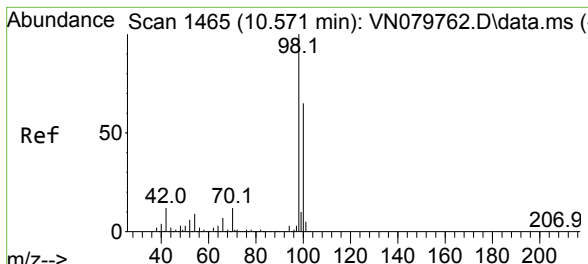
Tgt Ion:117 Resp: 30914
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 0.375 ug/l
RT: 9.141 min Scan# 1222
Delta R.T. -0.212 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion:130 Resp: 1867
Ion Ratio Lower Upper
130 100
95 56.9 0.0 204.6



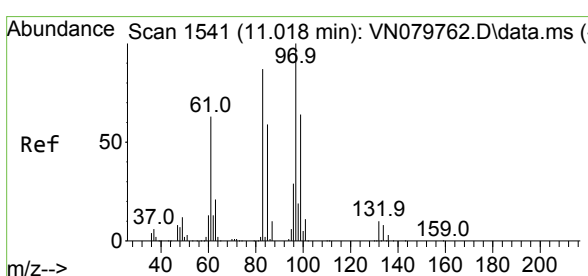
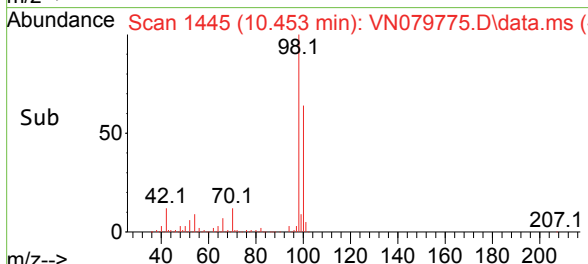
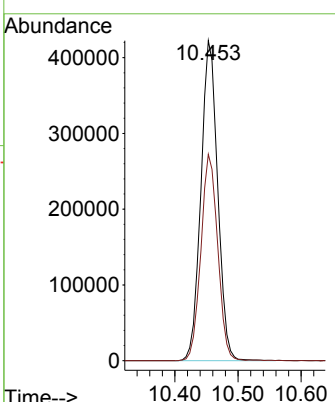
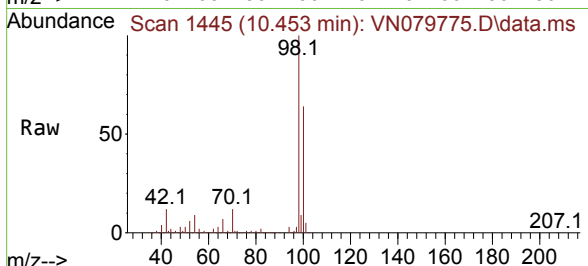


#50
Toluene-d8
Concen: 45.183 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.118 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Instrument : MSVOA_N
ClientSampleId : BP-VPB-188-GW-150-152

Tgt Ion: 98 Resp: 779777

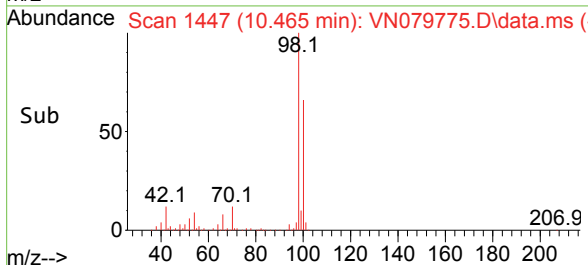
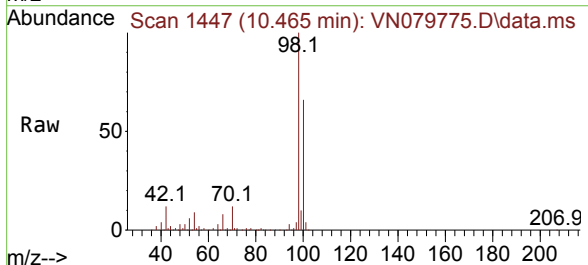
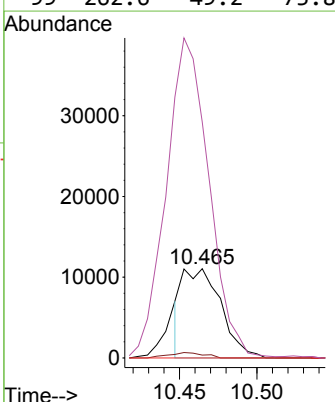
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

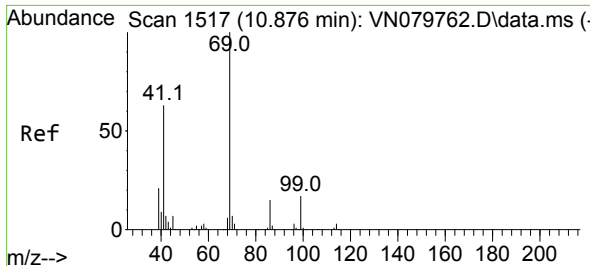


#55
1,1,2-Trichloroethane
Concen: 4.022 ug/l
RT: 10.465 min Scan# 1447
Delta R.T. -0.553 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 97 Resp: 19229

Ion	Ratio	Lower	Upper
97	100		
83	3.3	65.1	97.7#
85	0.0	43.4	65.2#
99	262.6	49.2	73.8#

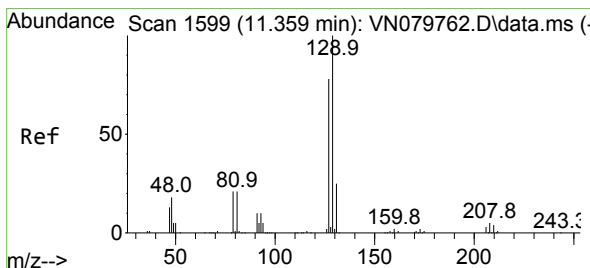
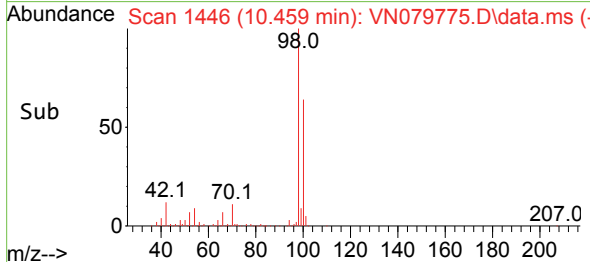
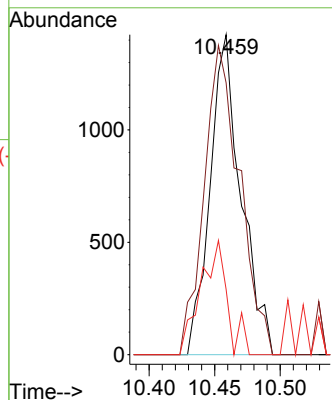
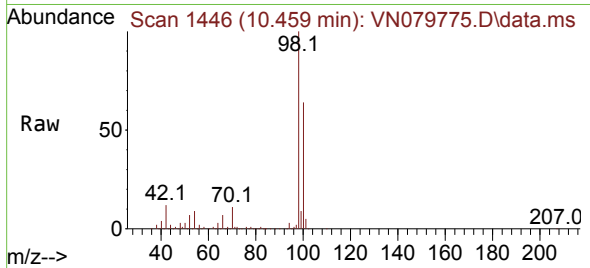




#56
Ethyl methacrylate
Concen: 0.343 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. -0.418 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

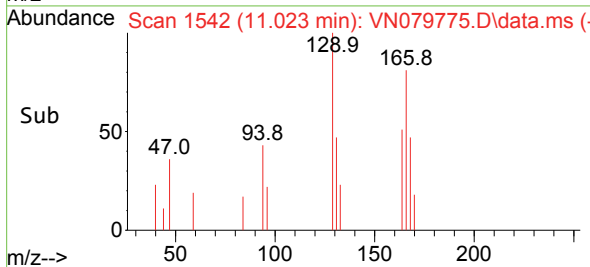
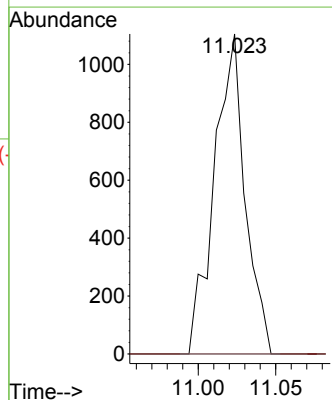
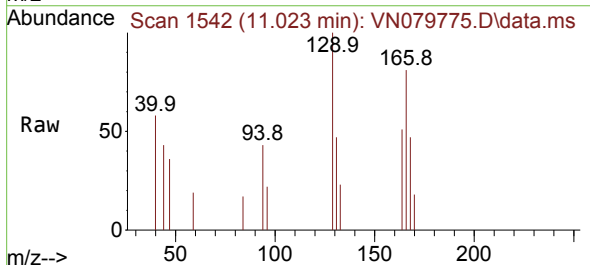
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

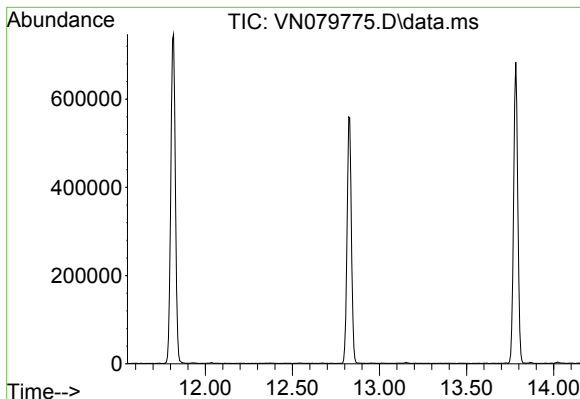
Tgt Ion: 69 Resp: 2339
Ion Ratio Lower Upper
69 100
41 110.8 39.6 59.4#
39 30.8 28.6 43.0



#60
Dibromochloromethane
Concen: 0.299 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. -0.341 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 129 Resp: 1529
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



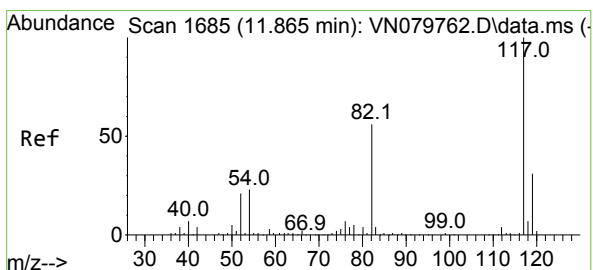
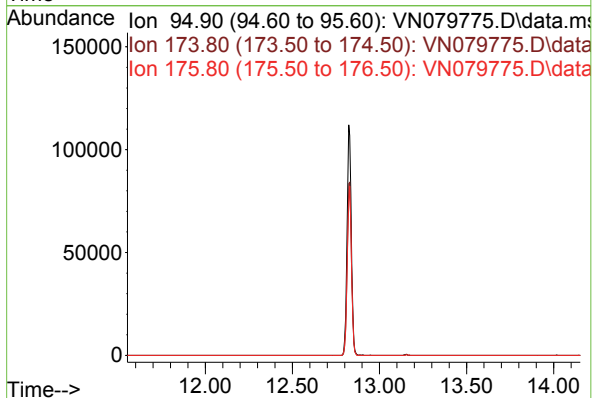


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

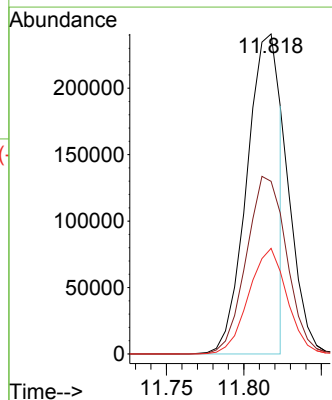
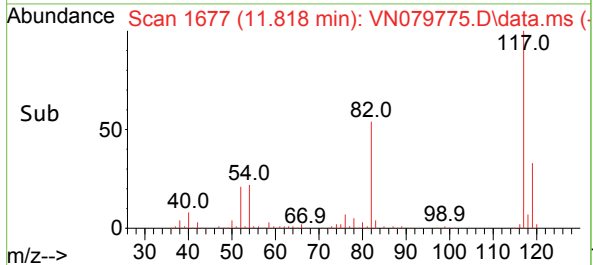
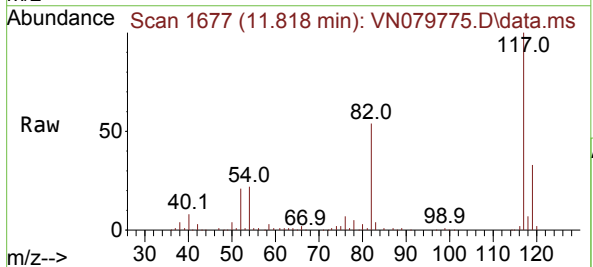
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

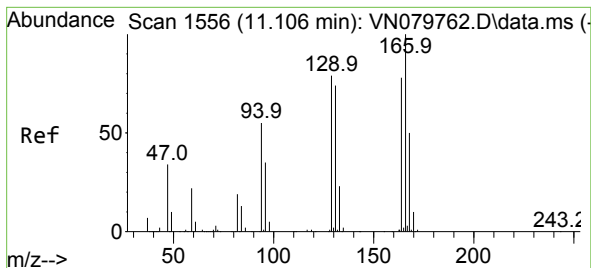
Tgt Ion: 95
Sig Exp Ratio
95 100
174 71.9
176 67.9



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.818 min Scan# 1677
Delta R.T. -0.053 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion: 117 Resp: 362441
Ion Ratio Lower Upper
117 100
82 54.0 44.0 66.0
119 33.0 25.6 38.4





#64

Tetrachloroethene

Concen: 0.613 ug/l

RT: 11.018 min Scan# 11

Delta R.T. -0.088 min

Lab File: VN079775.D

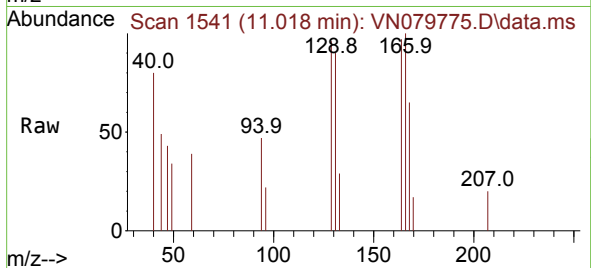
Acq: 01 Nov 2023 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-150-152



Tgt Ion:164 Resp: 1438

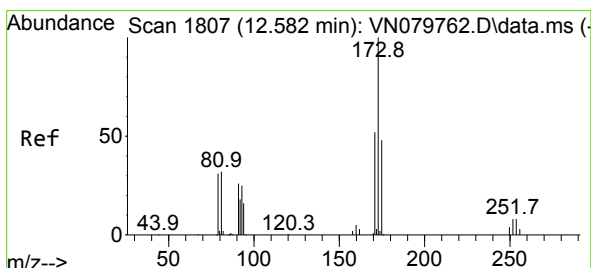
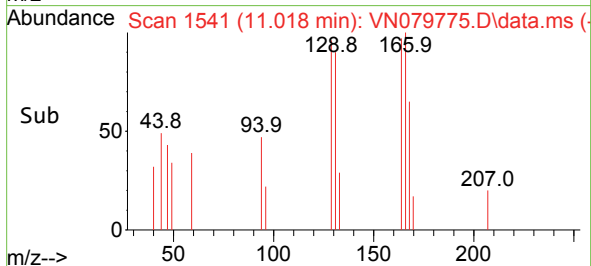
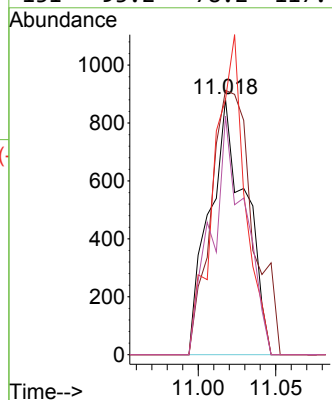
Ion Ratio Lower Upper

164 100

166 103.3 101.4 152.0

129 99.7 82.4 123.6

131 93.2 78.2 117.4



#71

Bromoform

Concen: 0.951 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.247 min

Lab File: VN079775.D

Acq: 01 Nov 2023 16:44

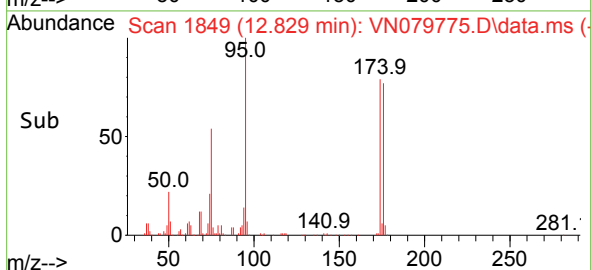
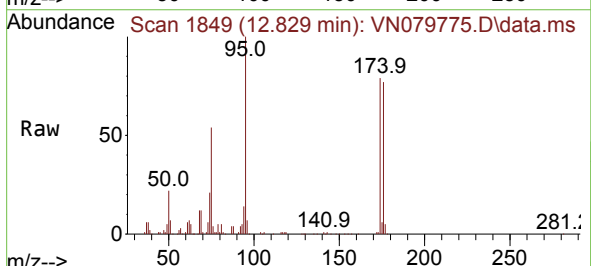
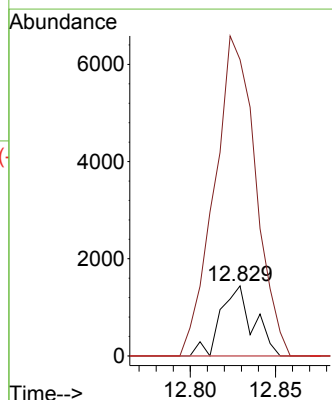
Tgt Ion:173 Resp: 1912

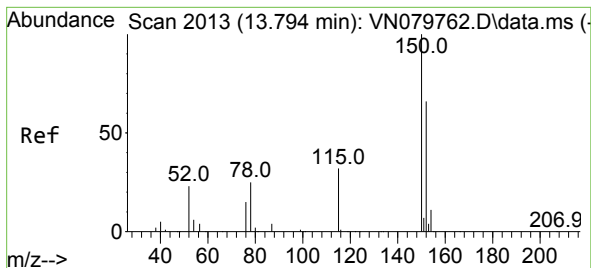
Ion Ratio Lower Upper

173 100

175 580.6 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.782 min Scan# 20

Delta R.T. -0.012 min

Lab File: VN079775.D

Acq: 01 Nov 2023 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-150-152

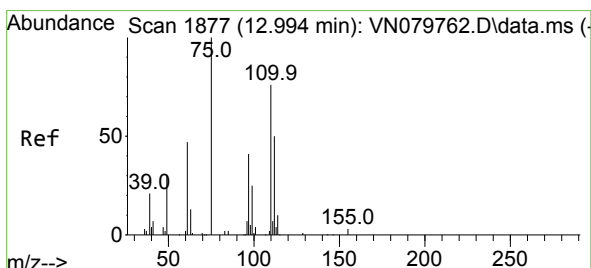
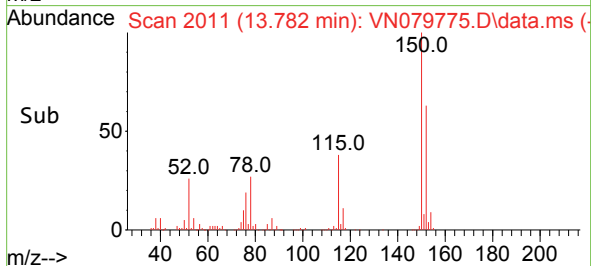
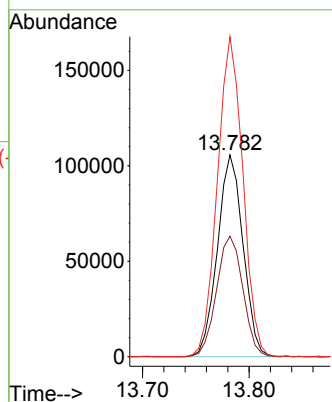
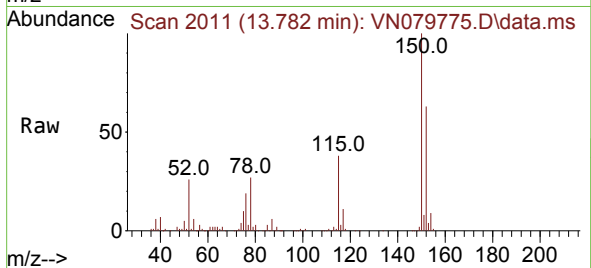
Tgt Ion:152 Resp: 176190

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 158.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.492 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. -0.171 min

Lab File: VN079775.D

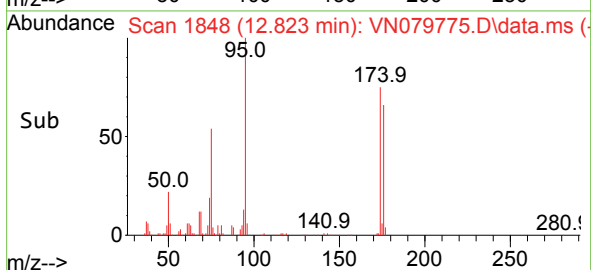
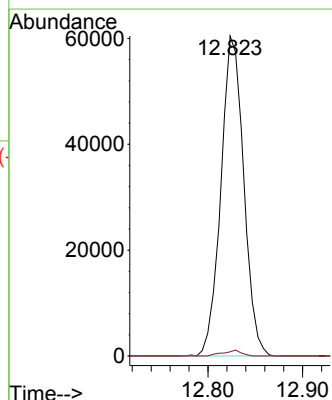
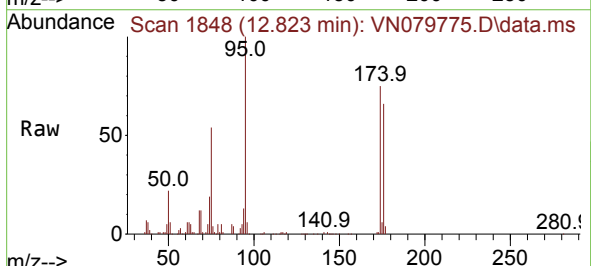
Acq: 01 Nov 2023 16:44

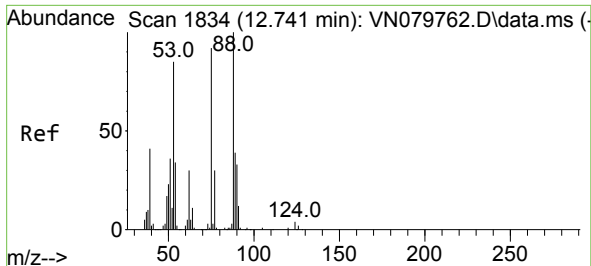
Tgt Ion: 75 Resp: 101311

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#

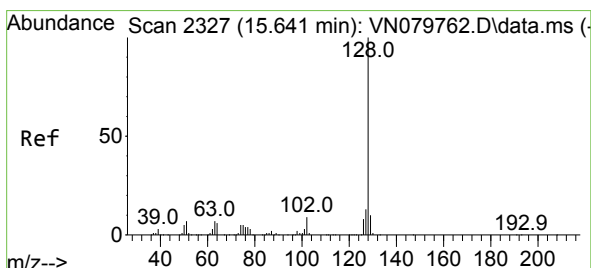
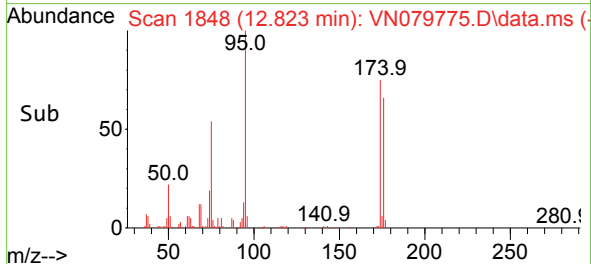
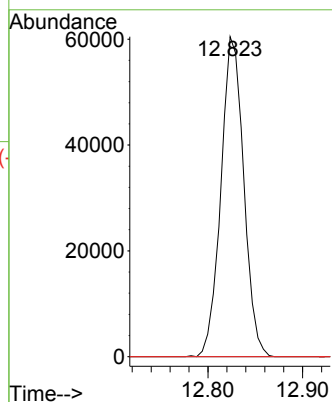
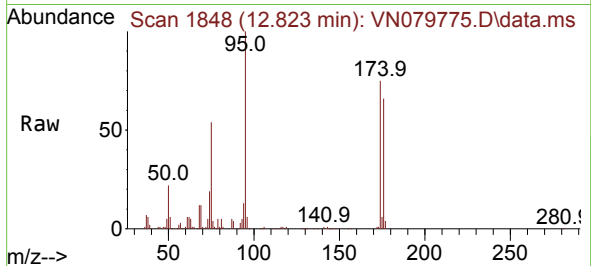




#81
trans-1,4-Dichloro-2-butene
Concen: 66.638 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.088 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-150-152

Tgt Ion: 75 Resp: 101311
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.272 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079775.D
Acq: 01 Nov 2023 16:44

Tgt Ion:128 Resp: 2524
Ion Ratio Lower Upper
128 100
127 2.3 10.0 15.0#
129 12.3 8.7 13.1

