

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079799.D
 Acq On : 02 Nov 2023 15:59
 Operator : JC\MD
 Sample : 05224-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-220-222

Quant Time: Nov 03 04:02:30 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	8.229	168	214318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	427872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	444613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173713	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	191226	58.565	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.120%	
35) Dibromofluoromethane	8.171	113	163181	53.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.780%	
50) Toluene-d8	10.570	98	562084	50.419	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.853	95	184974	50.029	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.060%	

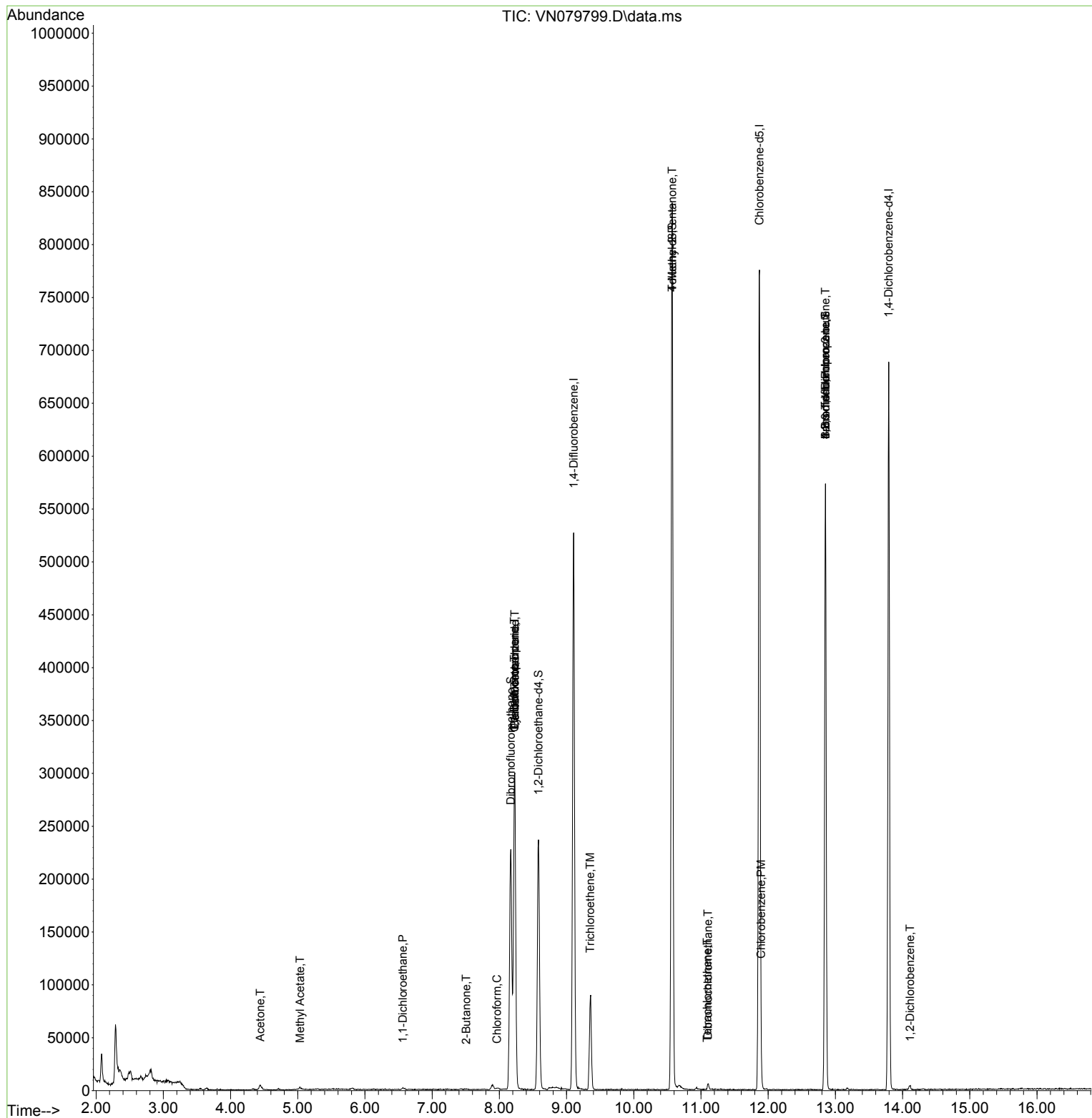
Target Compounds			Qvalue			
16) Acetone	4.441	43	7945	6.927	ug/l #	78
18) Methyl Acetate	5.036	43	2200	0.401	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	2564	0.515	ug/l #	81
25) 2-Butanone	7.506	43	710	0.423	ug/l #	37
30) Chloroform	7.965	83	1134	0.210	ug/l	93
31) Cyclohexane	8.224	56	6145	1.424	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	20056	4.638	ug/l #	46
38) Carbon Tetrachloride	8.229	117	23097	5.300	ug/l #	14
44) Trichloroethene	9.353	130	31419	9.777	ug/l	99
51) 4-Methyl-2-Pentanone	10.570	43	2815	0.719	ug/l #	1
60) Dibromochloromethane	11.106	129	1177	0.356	ug/l #	11
64) Tetrachloroethene	11.094	164	1231	0.427	ug/l #	71
65) Chlorobenzene	11.894	112	5780	0.599	ug/l #	86
71) Bromoform	12.853	173	1595	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	102855	25.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102855	68.618	ug/l #	15
91) 1,2-Dichlorobenzene	14.111	146	2216	0.391	ug/l	91

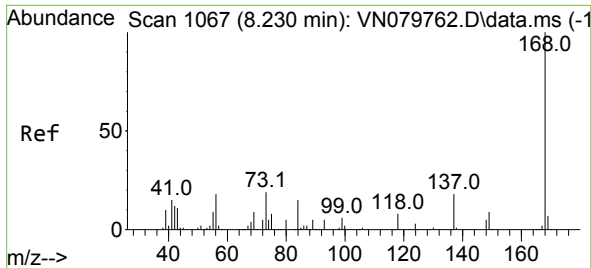
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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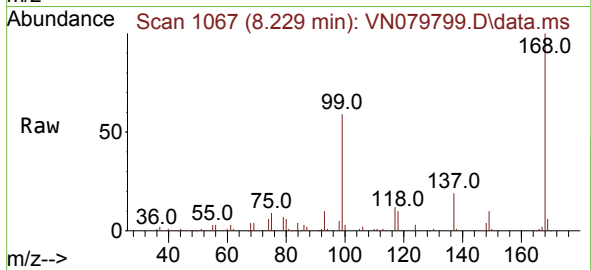
Quant Time: Nov 03 04:02:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



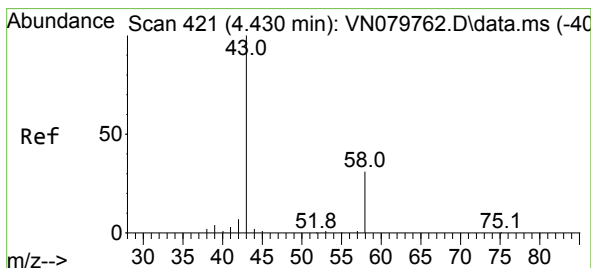
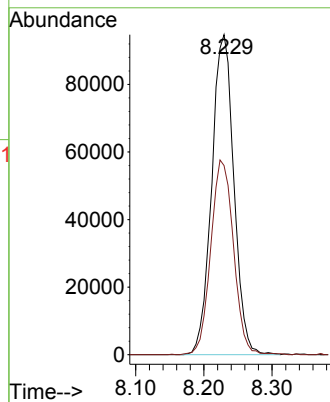
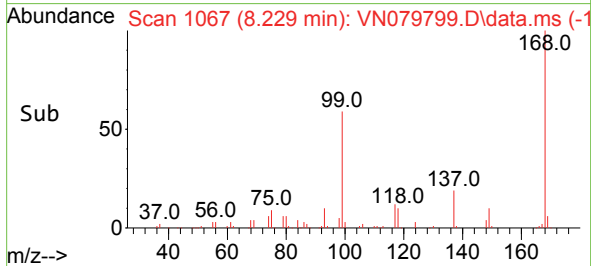


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-220-222

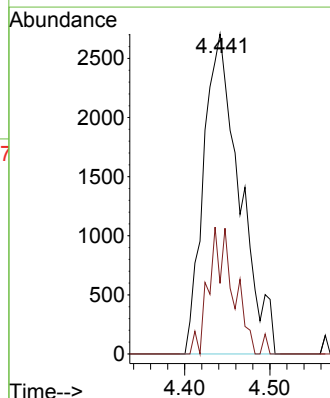
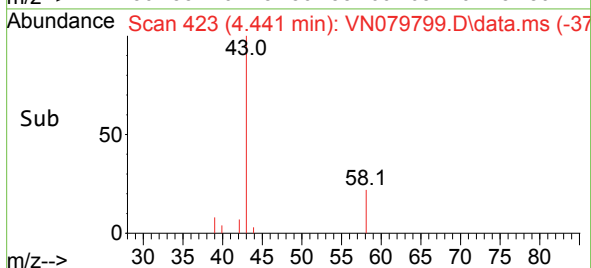
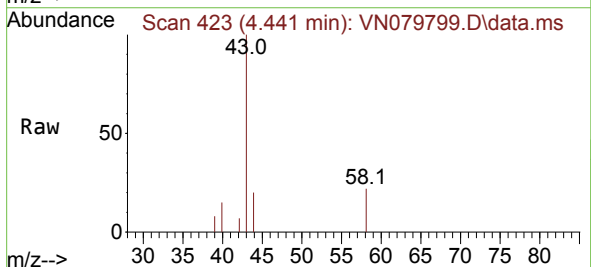


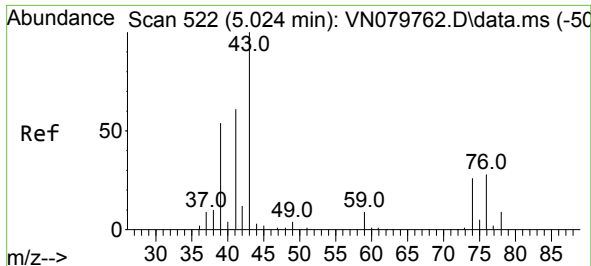
Tgt Ion:168 Resp: 214318
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#16
Acetone
Concen: 6.927 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion: 43 Resp: 7945
Ion Ratio Lower Upper
43 100
58 22.1 28.0 42.0#

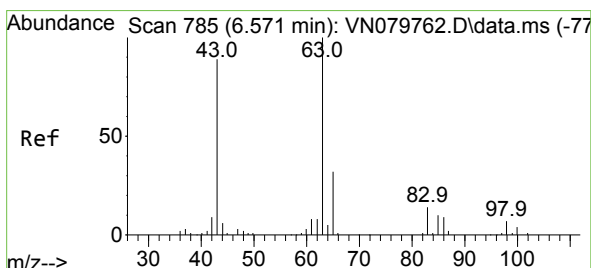
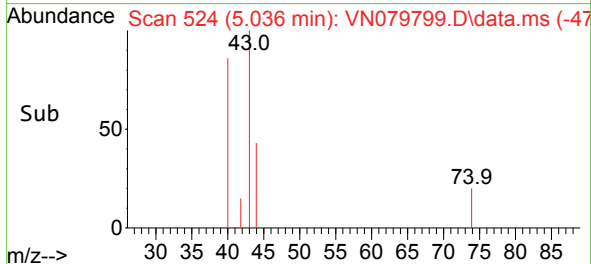
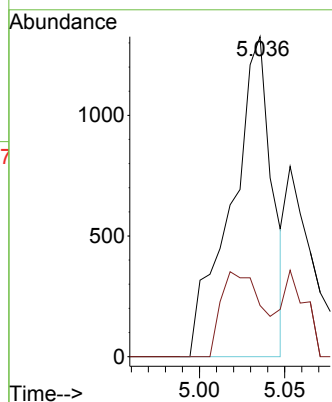
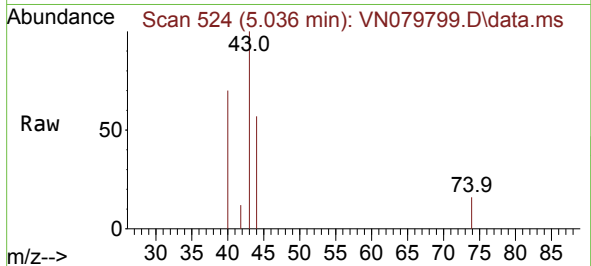




#18
Methyl Acetate
Concen: 0.401 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

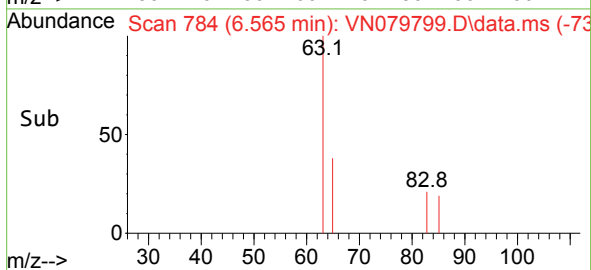
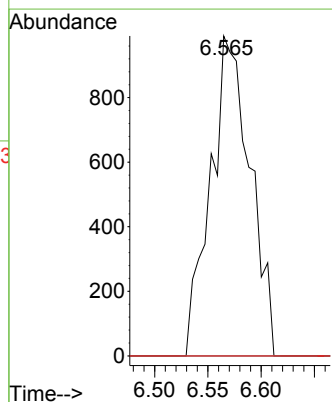
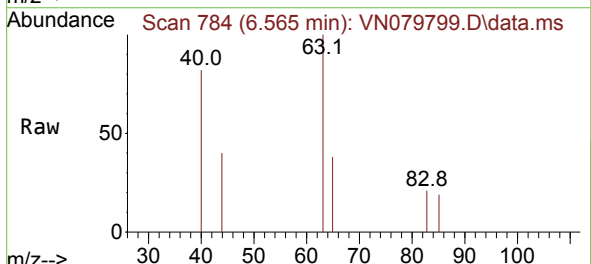
Instrument :
MSVOA_N
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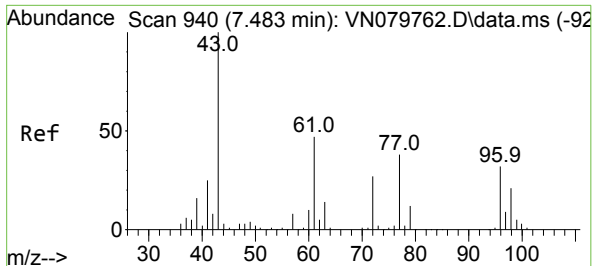
Tgt Ion: 43 Resp: 2200
Ion Ratio Lower Upper
43 100
74 25.9 26.2 39.4#



#24
1,1-Dichloroethane
Concen: 0.515 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion: 63 Resp: 2564
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#

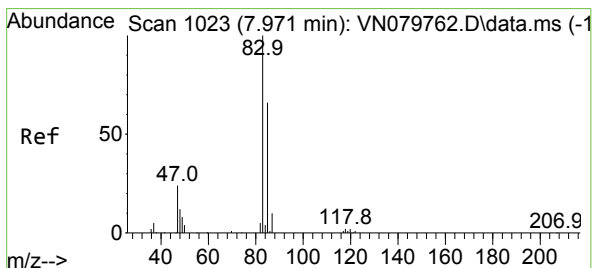
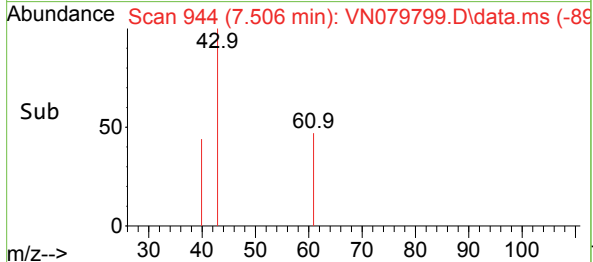
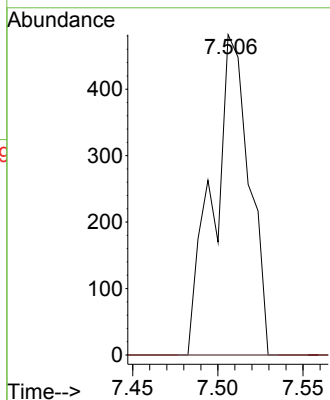
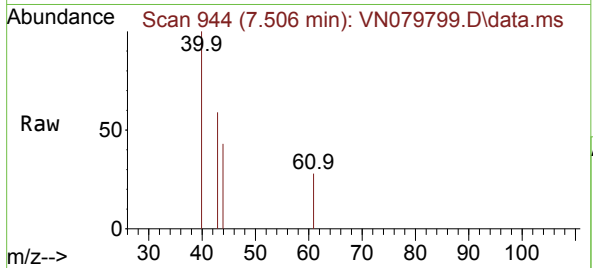




#25
2-Butanone
Concen: 0.423 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

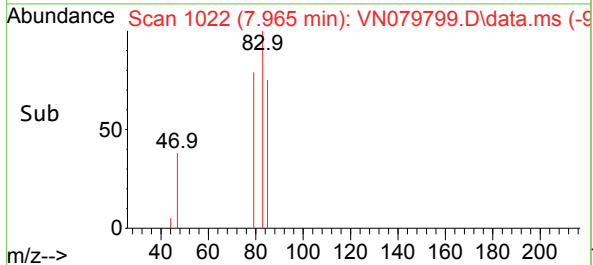
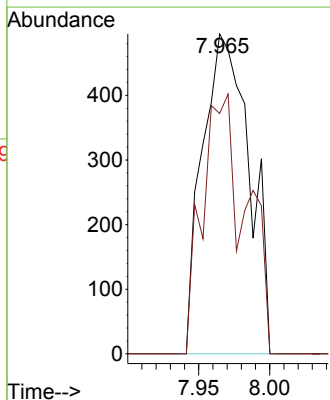
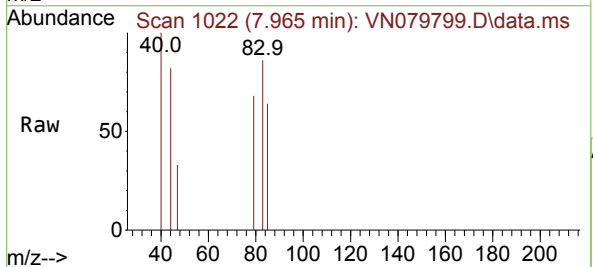
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-220-222

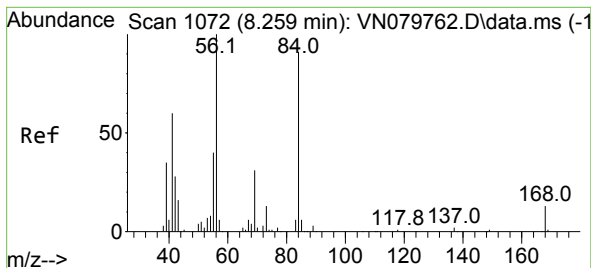
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#30
Chloroform
Concen: 0.210 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion: 83 Resp: 1134
Ion Ratio Lower Upper
83 100
85 75.2 55.4 83.0





#31

Cyclohexane

Concen: 1.424 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079799.D

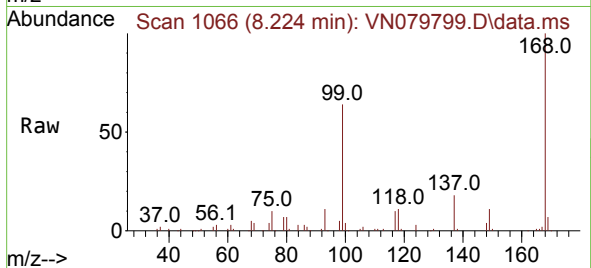
Acq: 02 Nov 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-220-222



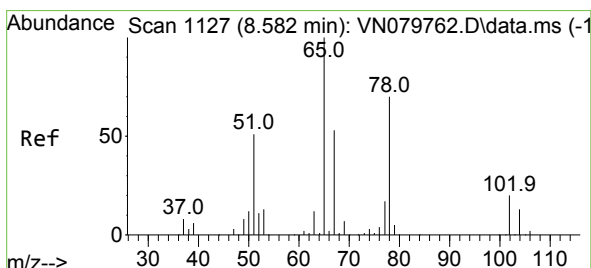
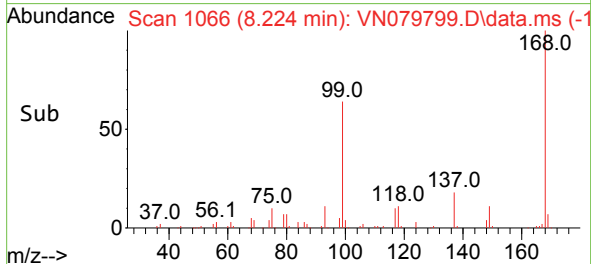
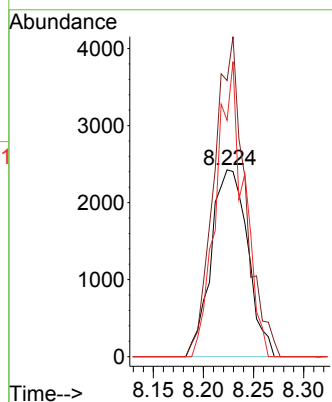
Tgt Ion: 56 Resp: 6145

Ion Ratio Lower Upper

56 100

69 147.7 26.8 40.2#

84 126.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 58.565 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079799.D

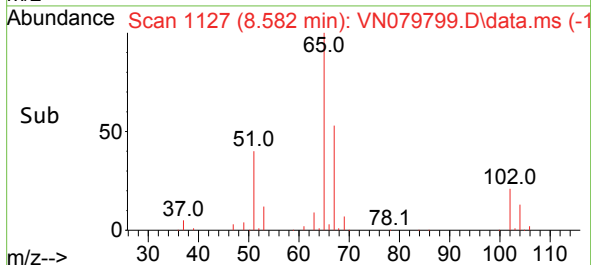
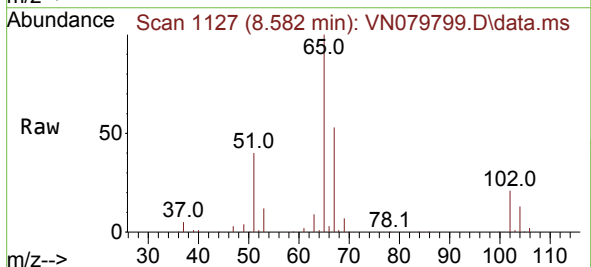
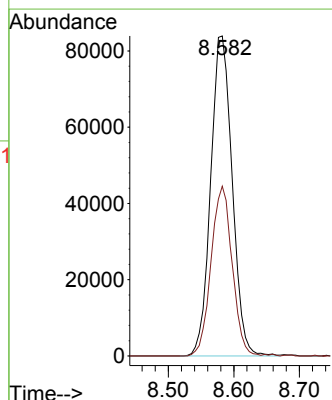
Acq: 02 Nov 2023 15:59

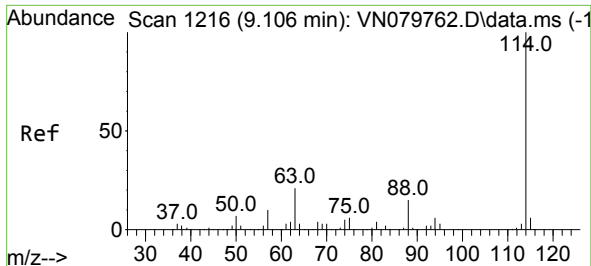
Tgt Ion: 65 Resp: 191226

Ion Ratio Lower Upper

65 100

67 51.8 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: VN079799.D

Acq: 02 Nov 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-220-222

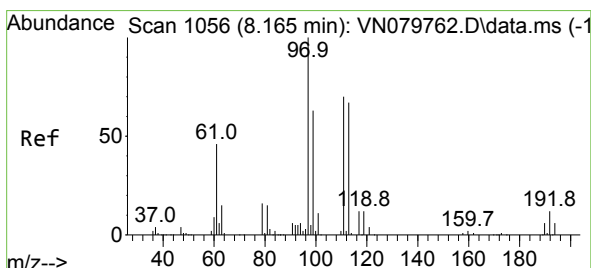
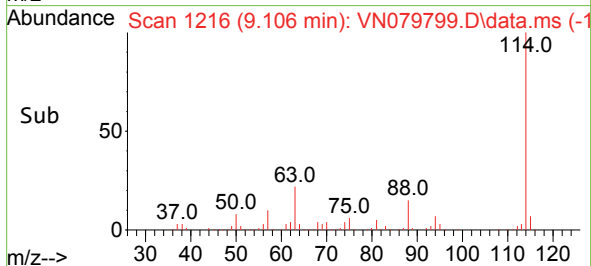
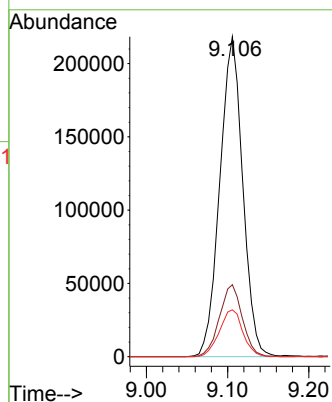
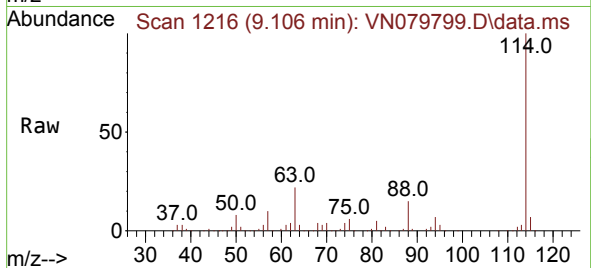
Tgt Ion:114 Resp: 427872

Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.885 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079799.D

Acq: 02 Nov 2023 15:59

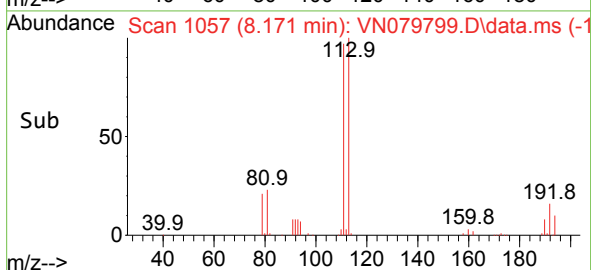
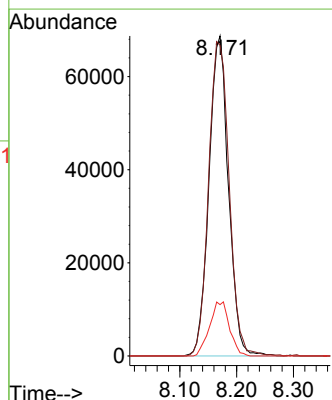
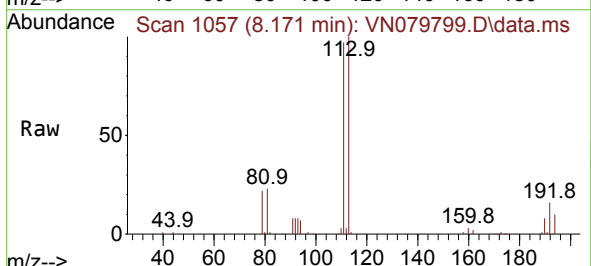
Tgt Ion:113 Resp: 163181

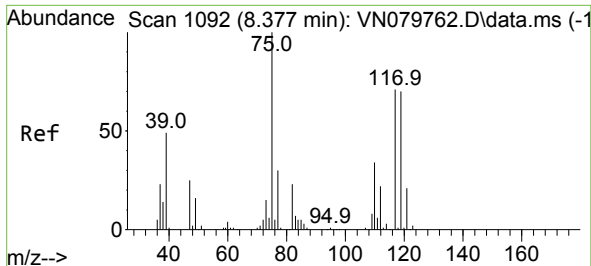
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 17.3 12.7 19.1

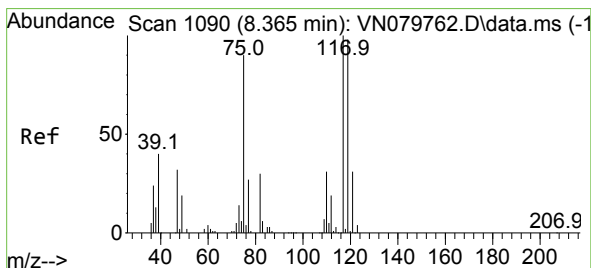
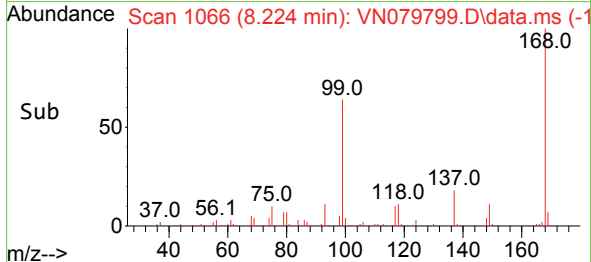
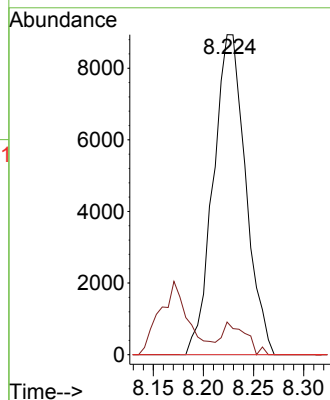
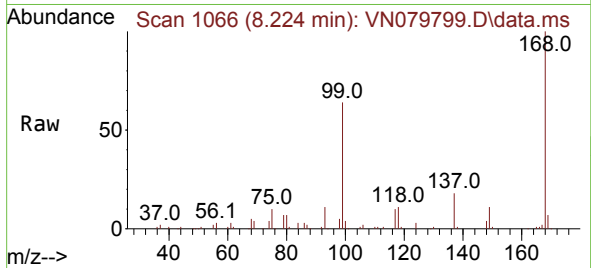




#36
1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

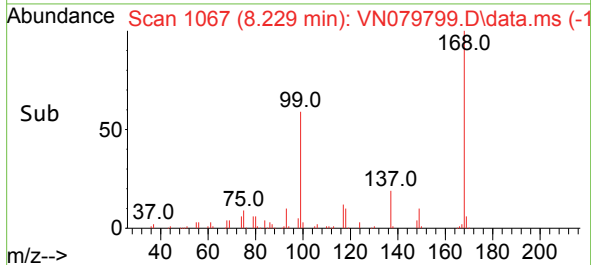
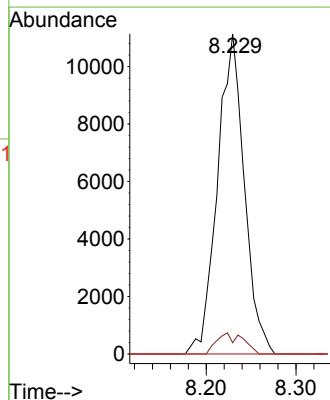
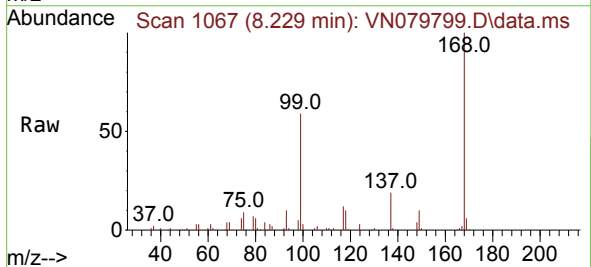
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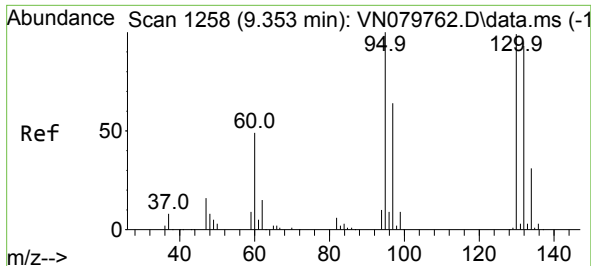
Tgt Ion: 75 Resp: 20056
Ion Ratio Lower Upper
75 100
110 7.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.300 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion: 117 Resp: 23097
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 23.3 34.9#

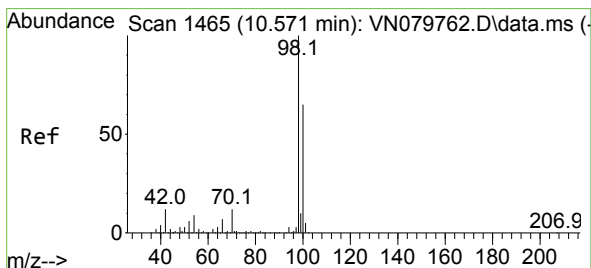
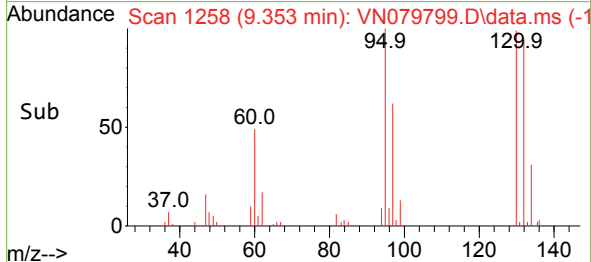
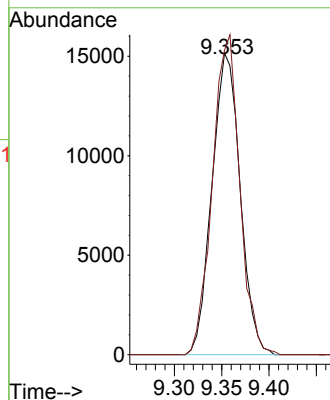
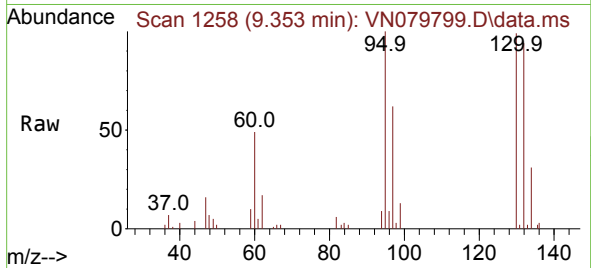




#44
Trichloroethene
Concen: 9.777 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

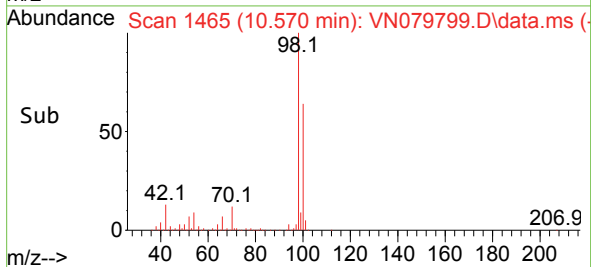
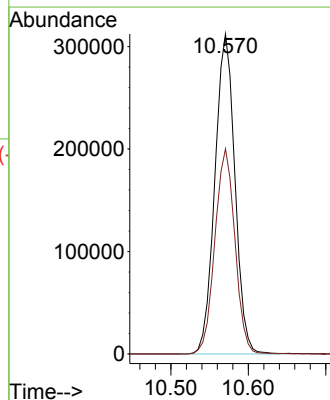
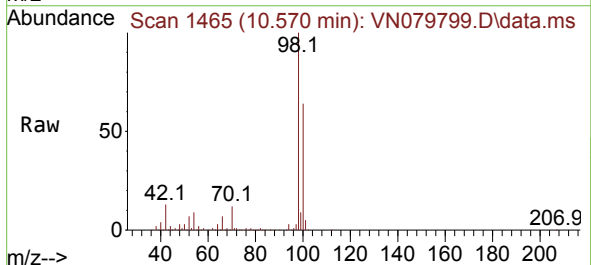
Instrument :
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BP-VPB-188-GW-220-222

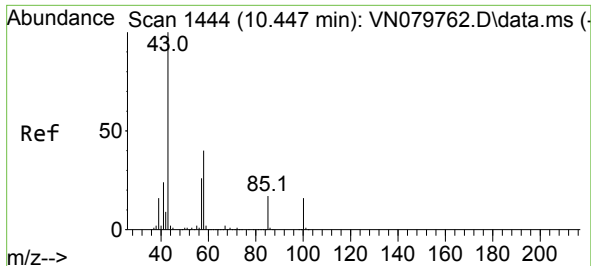
Tgt Ion:130 Resp: 31419
Ion Ratio Lower Upper
130 100
95 100.9 0.0 204.6



#50
Toluene-d8
Concen: 50.419 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion: 98 Resp: 562084
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

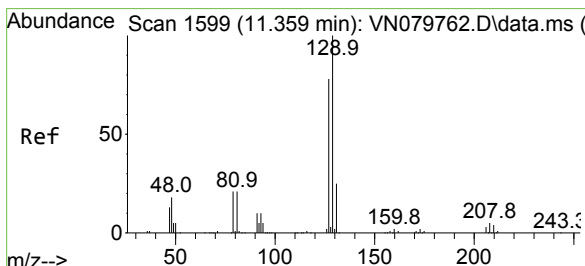
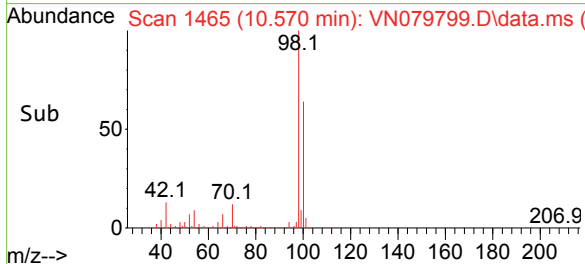
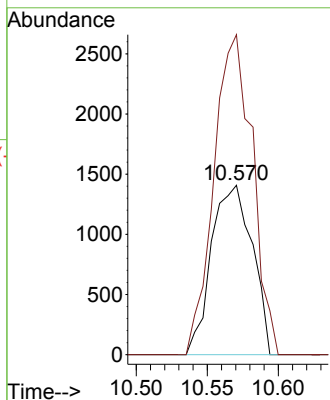
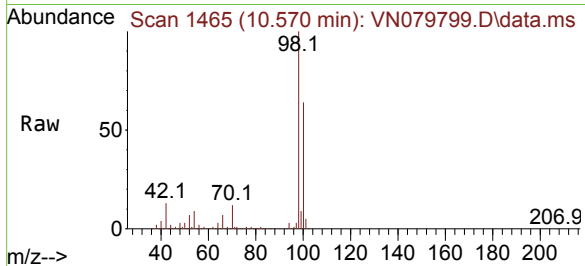




#51
4-Methyl-2-Pentanone
Concen: 0.719 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

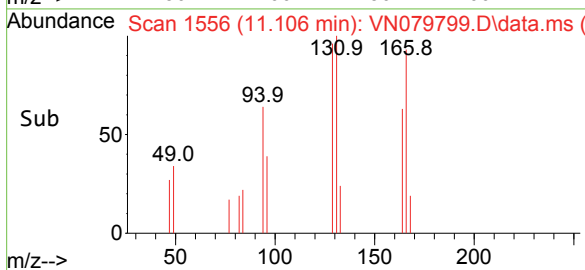
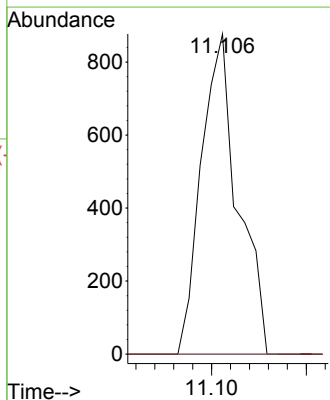
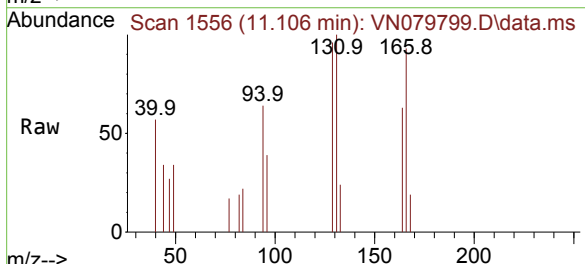
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-220-222

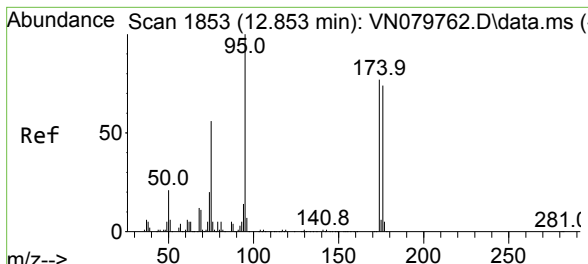
Tgt Ion: 43 Resp: 2815
Ion Ratio Lower Upper
43 100
58 178.4 36.6 54.8#



#60
Dibromochloromethane
Concen: 0.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion: 129 Resp: 1177
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

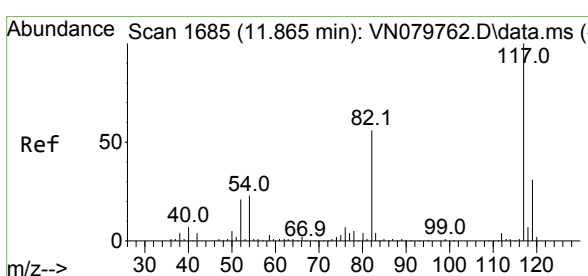
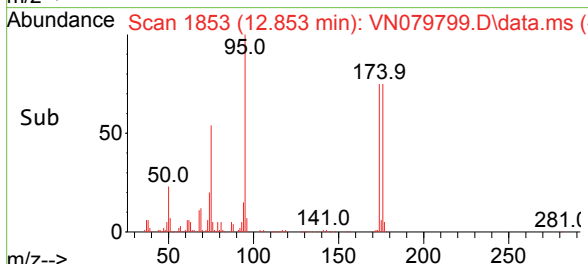
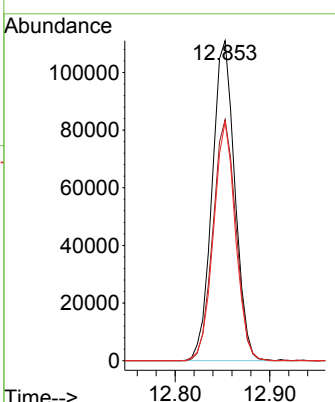
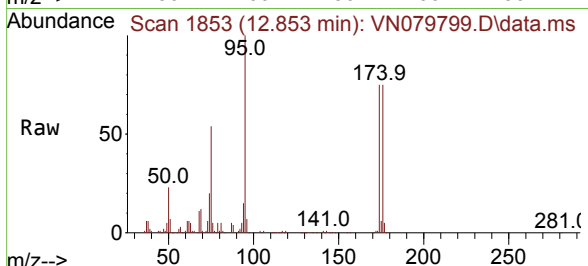




#62
 4-Bromofluorobenzene
 Concen: 50.029 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079799.D
 Acq: 02 Nov 2023 15:59

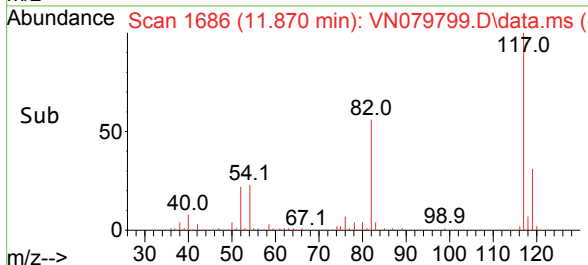
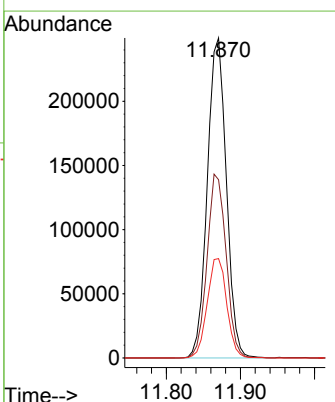
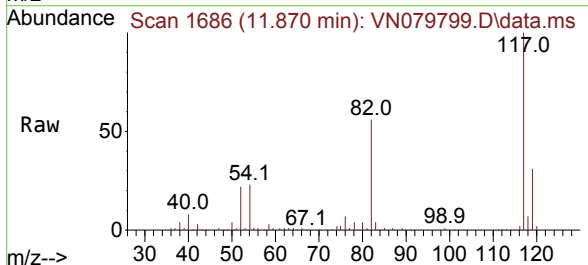
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-188-GW-220-222

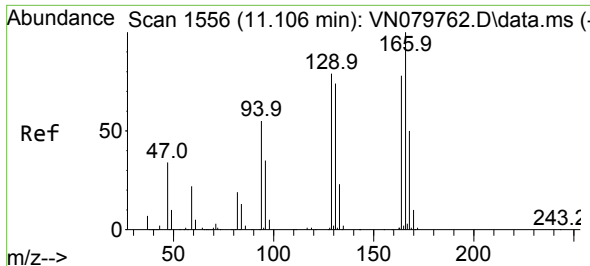
Tgt Ion:	95	Resp:	184974
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	143.8
176	72.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079799.D
 Acq: 02 Nov 2023 15:59

Tgt Ion:	117	Resp:	444613
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.0	66.0
119	31.1	25.6	38.4

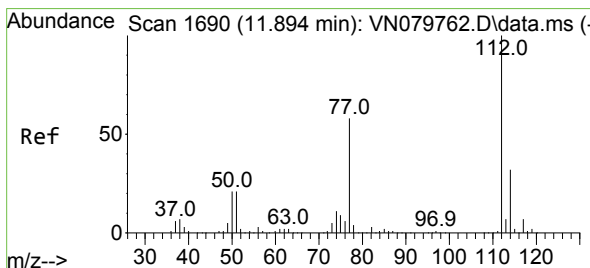
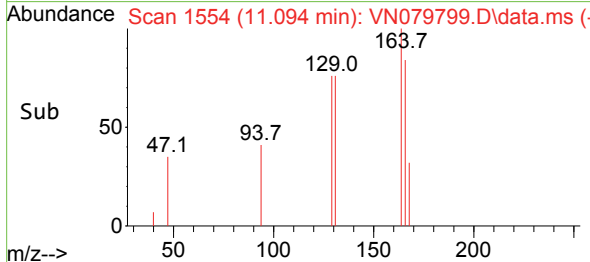
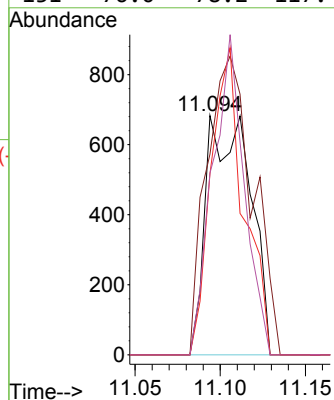
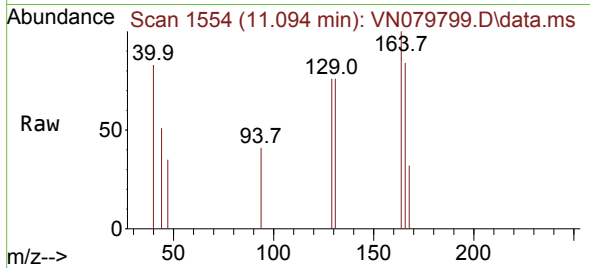




#64
Tetrachloroethene
Concen: 0.427 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. -0.012 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

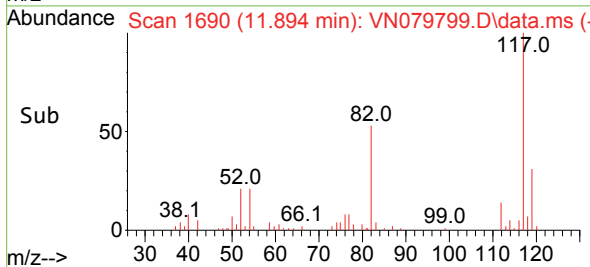
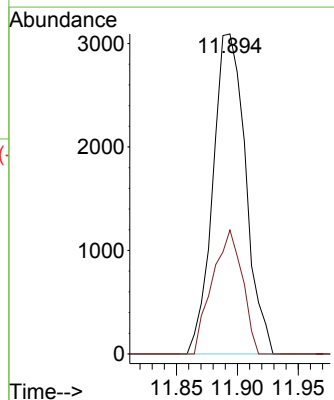
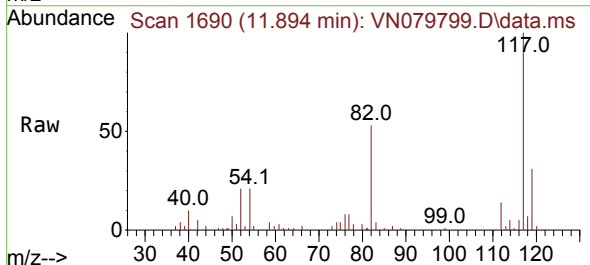
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-220-222

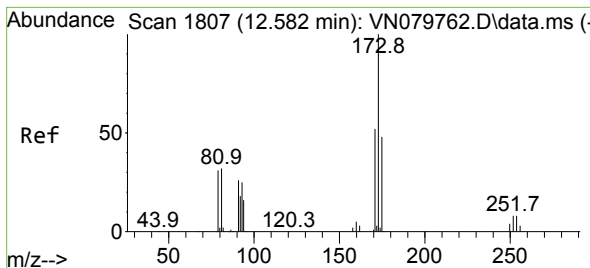
Tgt Ion:164 Resp: 1231
Ion Ratio Lower Upper
164 100
166 83.9 101.4 152.0#
129 75.7 82.4 123.6#
131 76.0 78.2 117.4#



#65
Chlorobenzene
Concen: 0.599 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

Tgt Ion:112 Resp: 5780
Ion Ratio Lower Upper
112 100
114 38.7 25.0 37.4#





#71

Bromoform

Concen: 0.646 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079799.D

Acq: 02 Nov 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-220-222

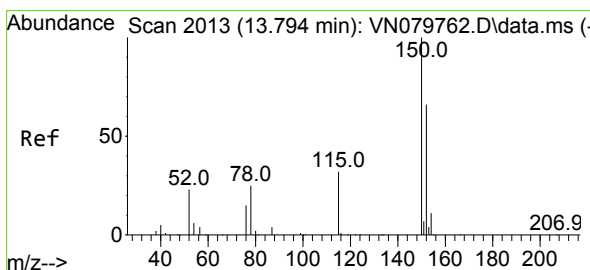
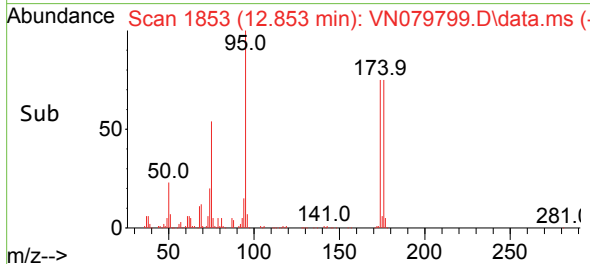
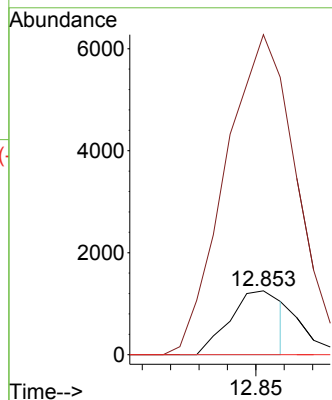
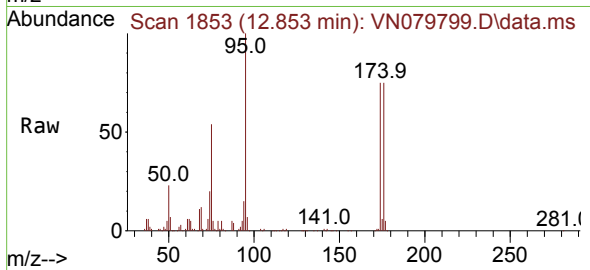
Tgt Ion:173 Resp: 1595

Ion Ratio Lower Upper

173 100

175 551.3 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: VN079799.D

Acq: 02 Nov 2023 15:59

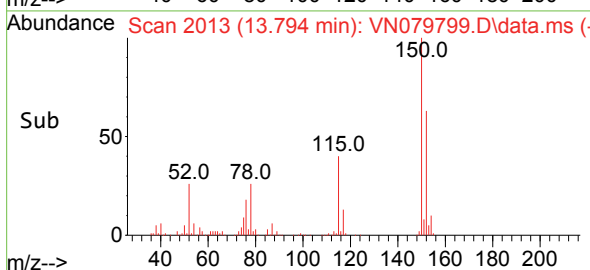
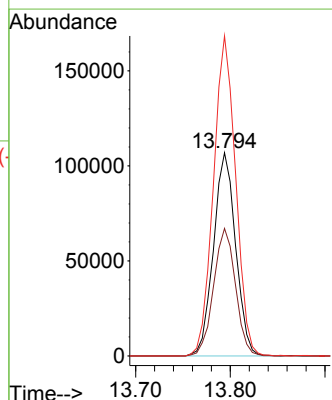
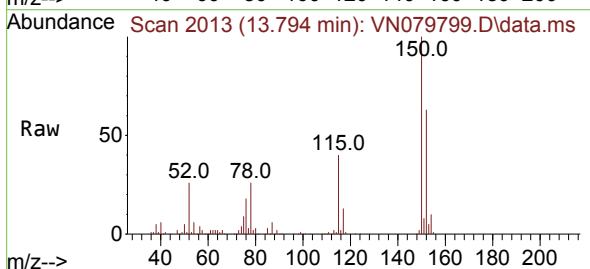
Tgt Ion:152 Resp: 173713

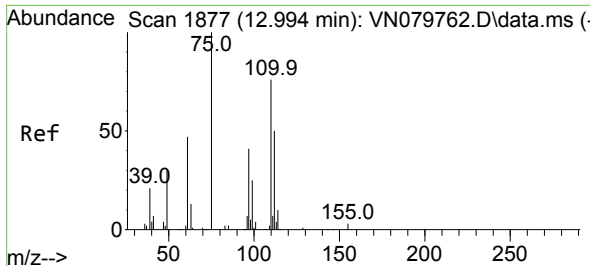
Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 157.8 0.0 355.8

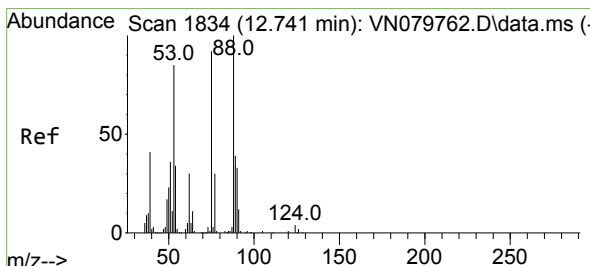
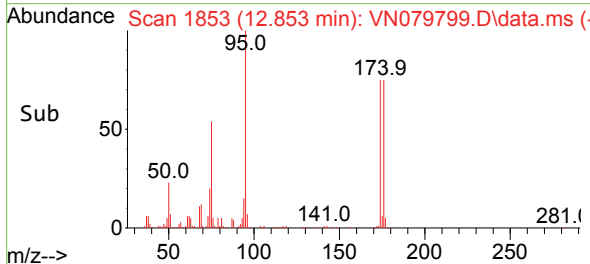
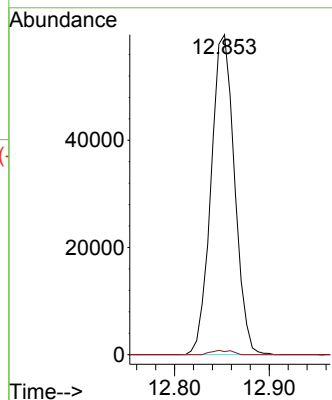
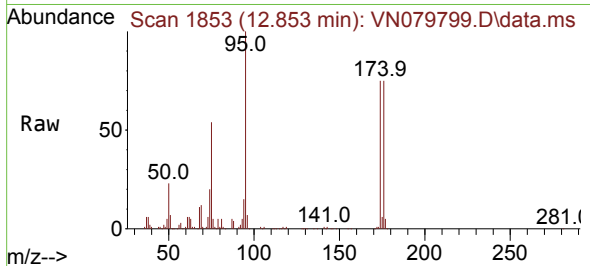




#76
1,2,3-Trichloropropane
Concen: 25.220 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

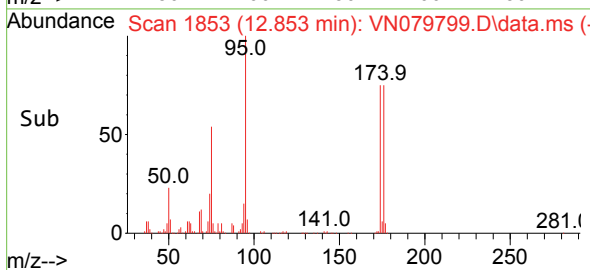
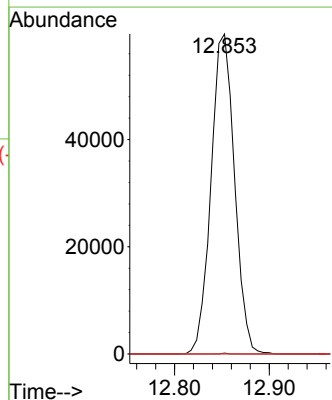
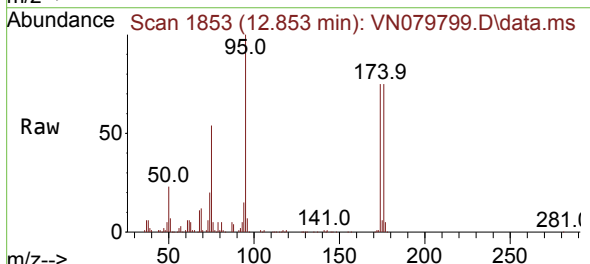
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-220-222

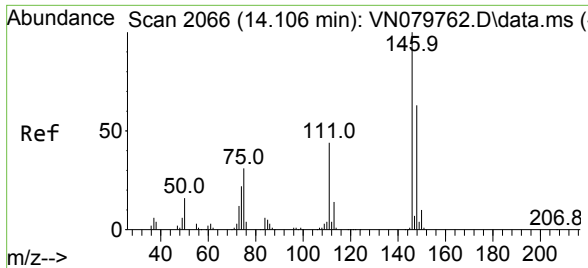
Tgt Ion: 75 Resp: 102855
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.618 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079799.D
Acq: 02 Nov 2023 15:59

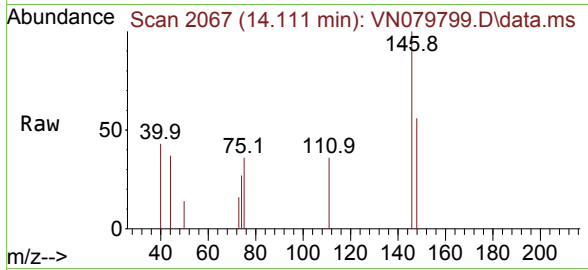
Tgt Ion: 75 Resp: 102855
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#91
 1,2-Dichlorobenzene
 Concen: 0.391 ug/l
 RT: 14.111 min Scan# 2067
 Delta R.T. 0.006 min
 Lab File: VN079799.D
 Acq: 02 Nov 2023 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-220-222



Tgt Ion:	146	Resp:	2216
Ion	Ratio	Lower	Upper
146	100		
111	34.2	22.0	66.0
148	59.7	31.8	95.3

