

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079808.D
 Acq On : 02 Nov 2023 19:33
 Operator : JC\MD
 Sample : 05225-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-380-382

Quant Time: Nov 03 04:05:57 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)

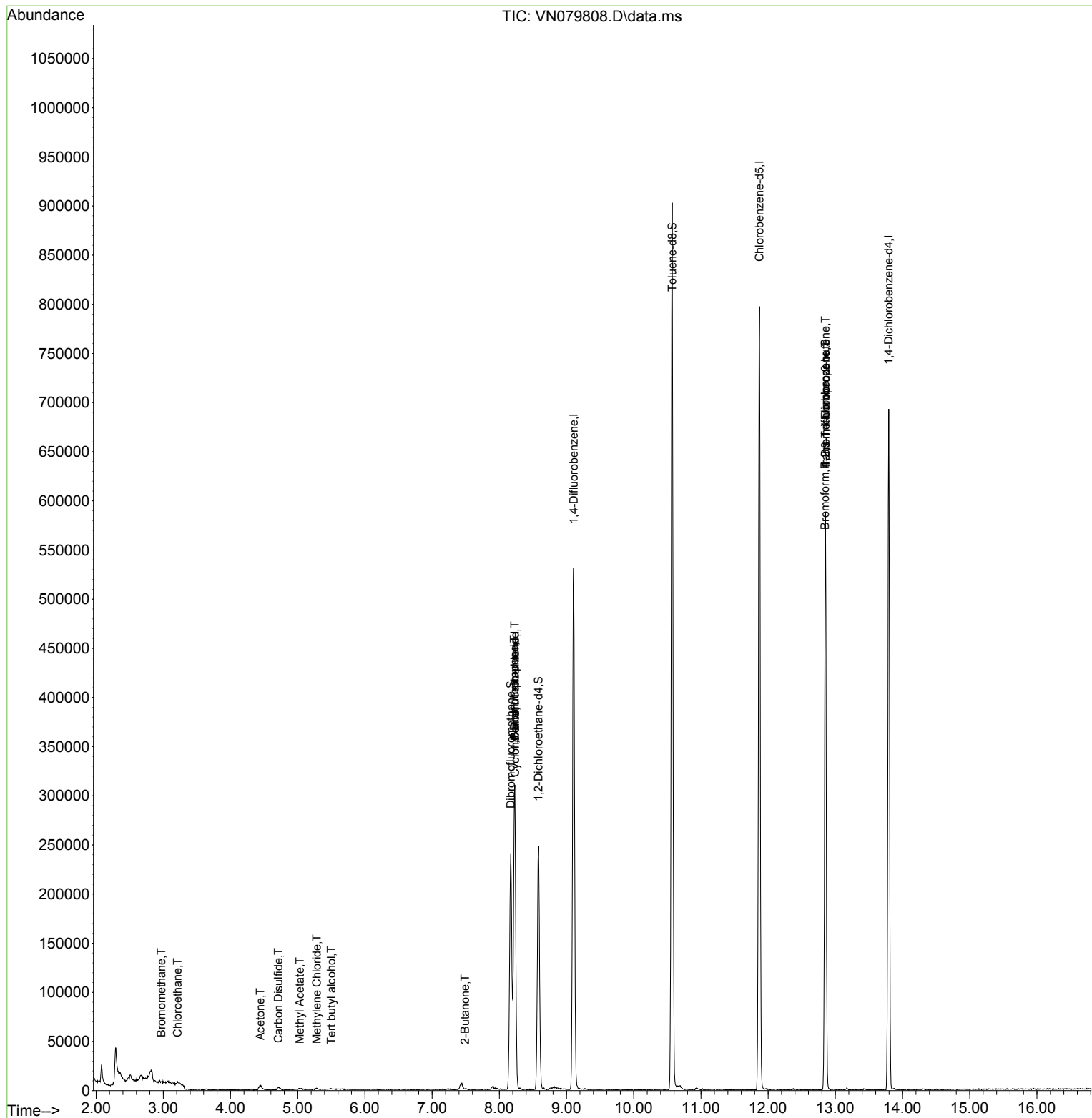
Internal Standards						
1) Pentafluorobenzene	8.230	168	217327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	438513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	455534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	199222	60.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.340%	
35) Dibromofluoromethane	8.171	113	170584	54.963	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.920%	
50) Toluene-d8	10.571	98	584278	51.138	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.280%	
62) 4-Bromofluorobenzene	12.853	95	194506	51.331	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.660%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1489	Below Cal	97	
5) Bromomethane	2.971	94	534	0.256	ug/l #	48
6) Chloroethane	3.212	64	2854	1.054	ug/l #	43
11) Tert butyl alcohol	5.500	59	142	0.336	ug/l #	72
16) Acetone	4.442	43	9613	8.265	ug/l #	79
17) Carbon Disulfide	4.712	76	5232	0.775	ug/l #	75
18) Methyl Acetate	5.030	43	1970	0.354	ug/l #	64
20) Methylene Chloride	5.283	84	648	0.221	ug/l #	68
25) 2-Butanone	7.489	43	689	0.405	ug/l	98
31) Cyclohexane	8.236	56	5887	1.346	ug/l #	59
36) 1,1-Dichloropropene	8.224	75	20240	4.567	ug/l #	47
38) Carbon Tetrachloride	8.230	117	24268	5.434	ug/l #	16
71) Bromoform	12.847	173	1368	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	106308	25.337	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106308	68.937	ug/l #	15

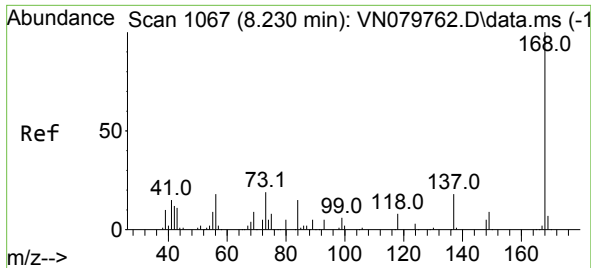
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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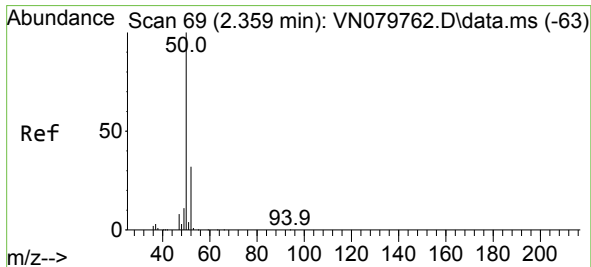
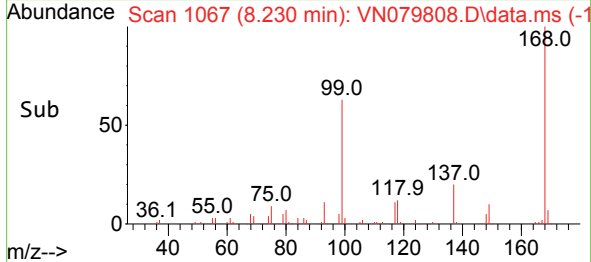
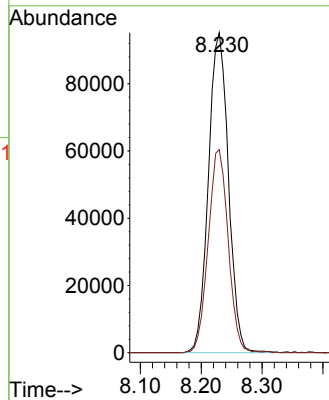
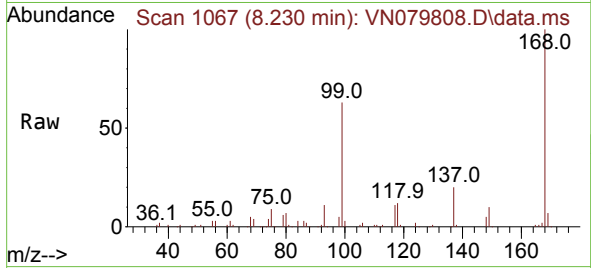




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

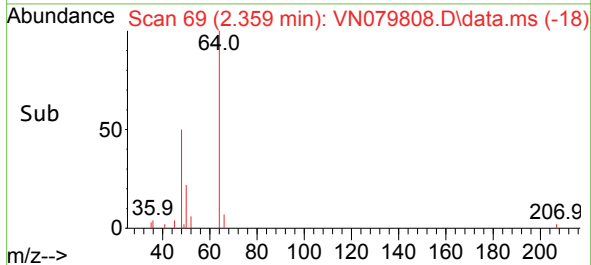
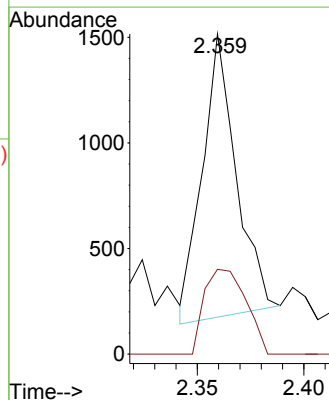
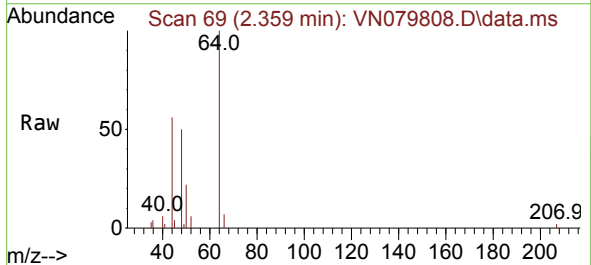
Instrument :
MSVOA_N
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BP-VPB-188-GW-380-382

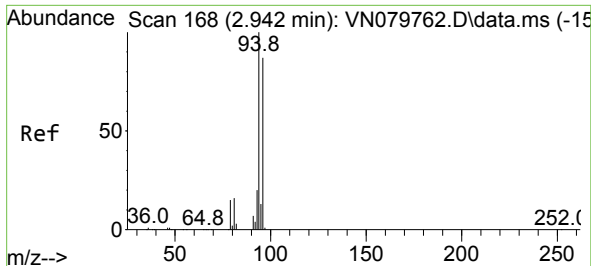
Tgt Ion:168 Resp: 217327
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

Tgt Ion: 50 Resp: 1489
Ion Ratio Lower Upper
50 100
52 31.2 26.5 39.7

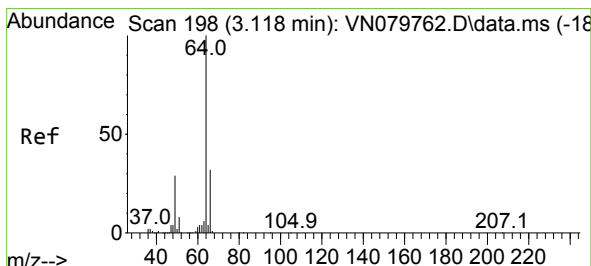
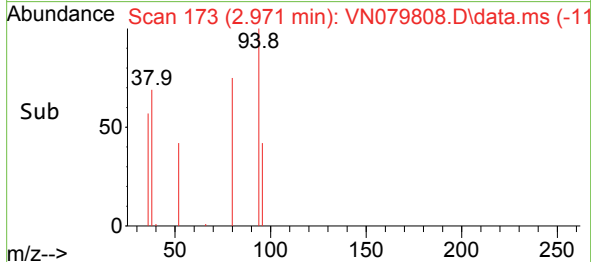
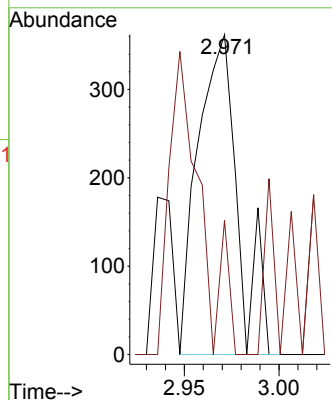
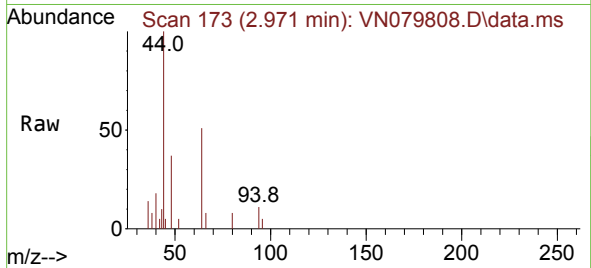




#5
Bromomethane
Concen: 0.256 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

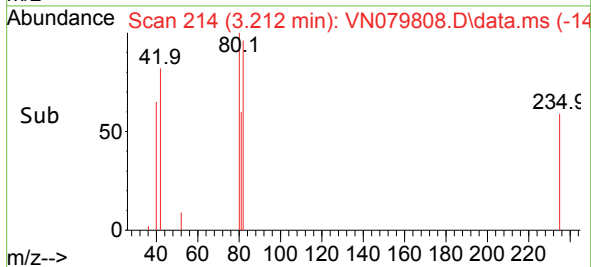
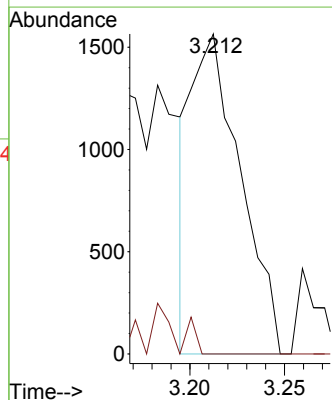
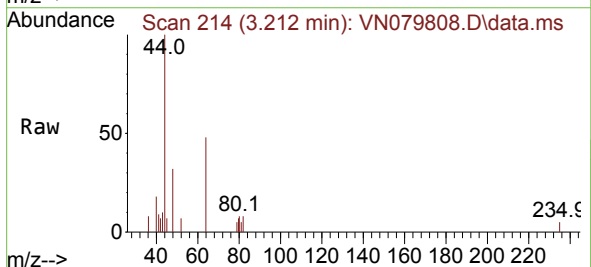
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-380-382

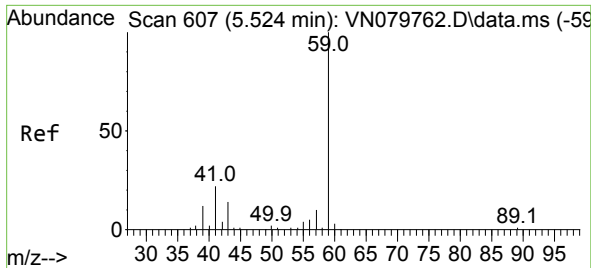
Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 42.0 73.1 109.7#



#6
Chloroethane
Concen: 1.054 ug/l
RT: 3.212 min Scan# 214
Delta R.T. 0.094 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

Tgt Ion: 64 Resp: 2854
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

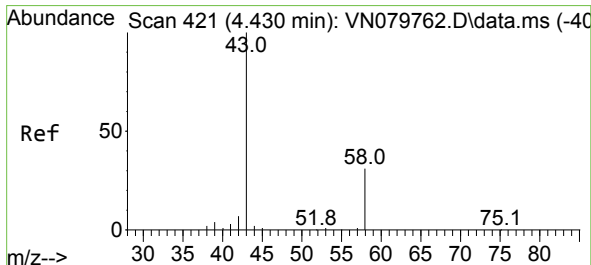
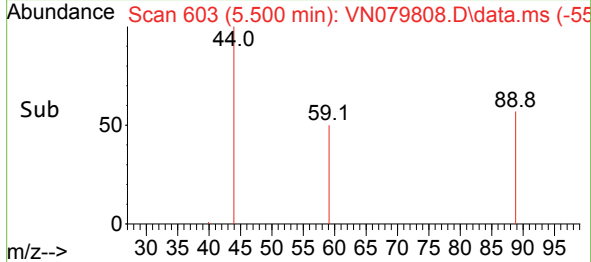
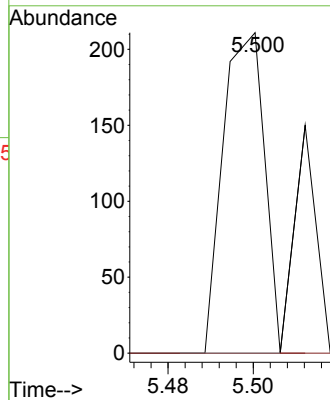
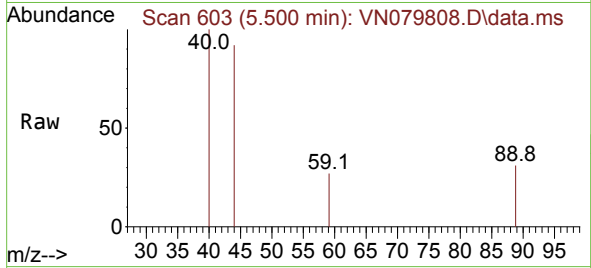




#11
Tert butyl alcohol
Concen: 0.336 ug/l
RT: 5.500 min Scan# 607
Delta R.T. -0.017 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

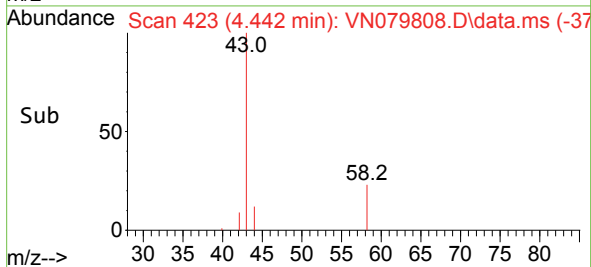
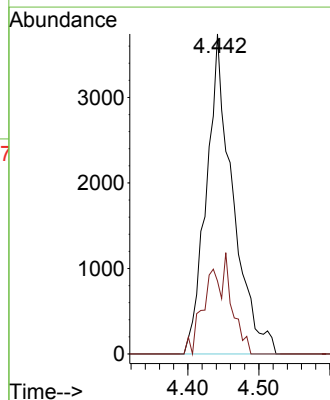
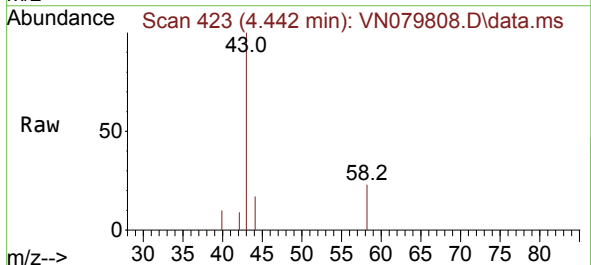
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-380-382

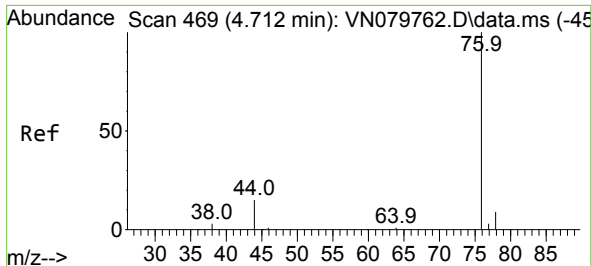
Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 8.265 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

Tgt Ion: 43 Resp: 9613
Ion Ratio Lower Upper
43 100
58 22.8 28.0 42.0#

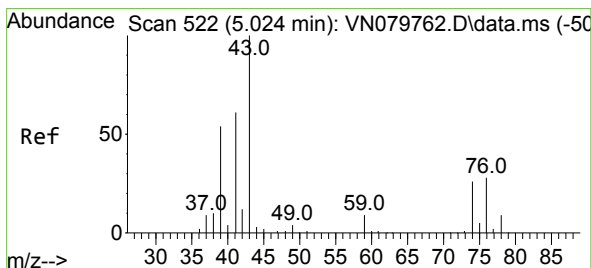
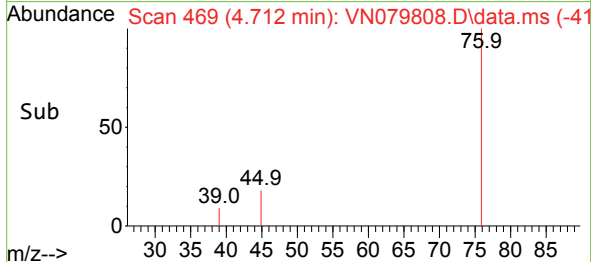
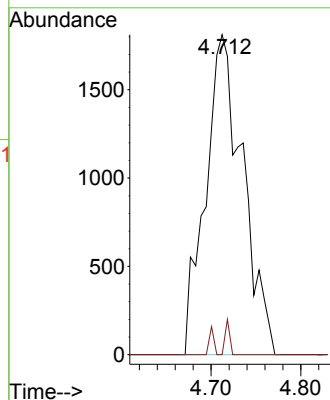
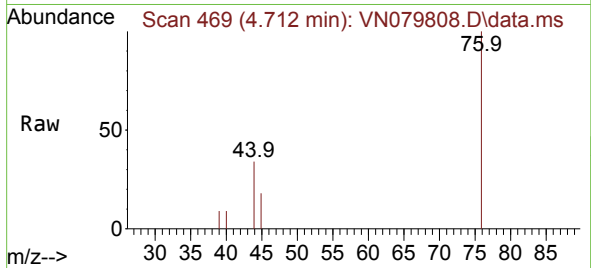




#17
Carbon Disulfide
Concen: 0.775 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

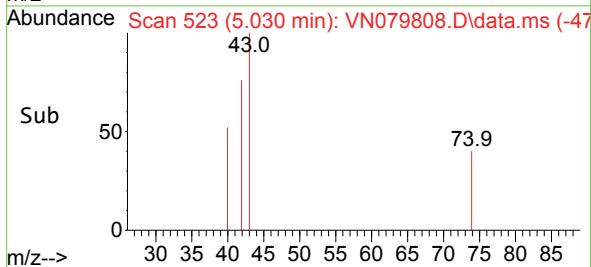
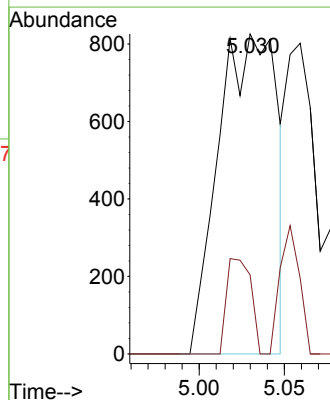
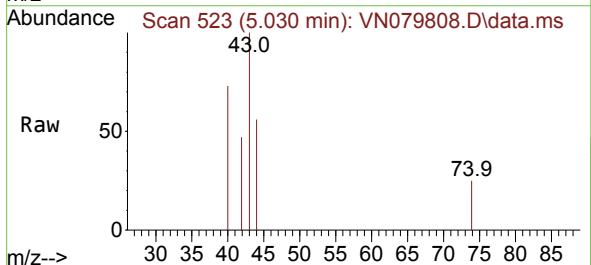
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-380-382

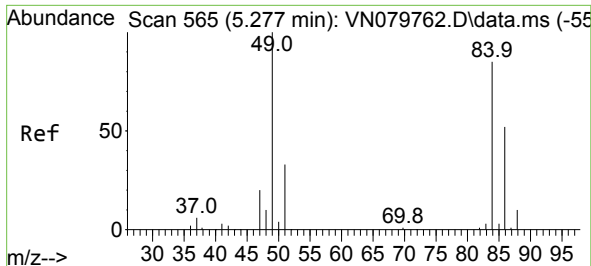
Tgt Ion: 76 Resp: 5232
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.354 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 12.4 26.2 39.4#

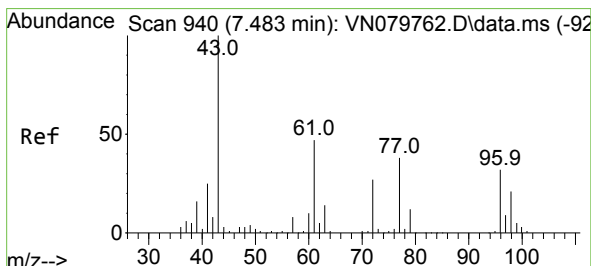
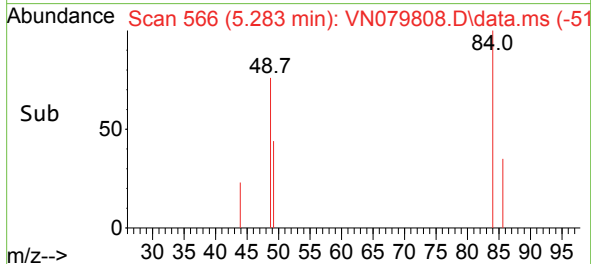
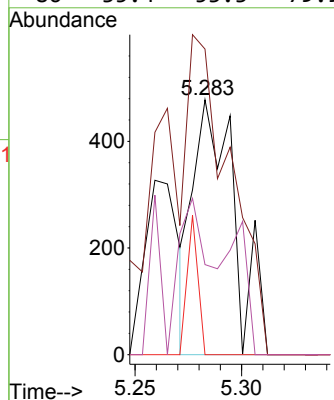
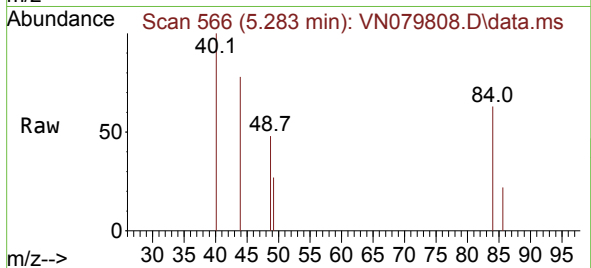




#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.012 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

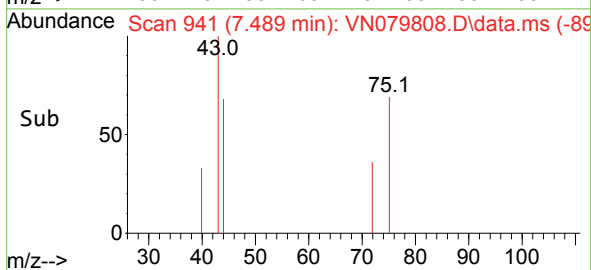
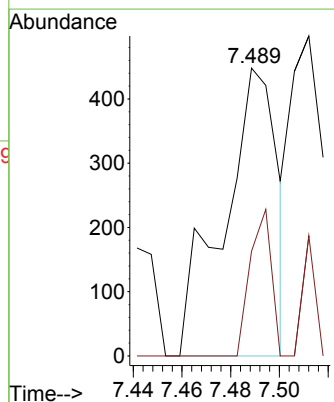
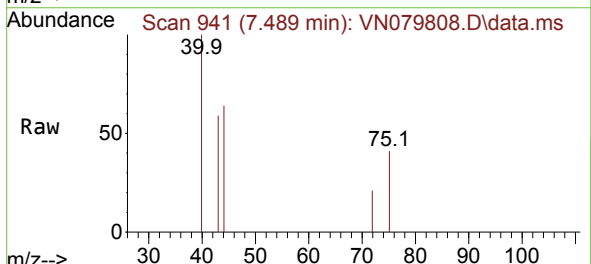
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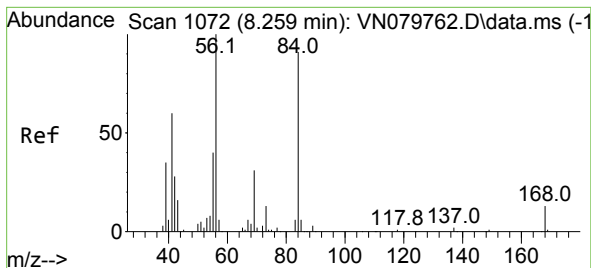
Tgt Ion: 84 Resp: 648
Ion Ratio Lower Upper
84 100
49 119.9 79.7 119.5#
51 0.0 25.2 37.8#
86 35.4 53.3 79.9#



#25
2-Butanone
Concen: 0.405 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
72 36.4 30.2 45.2





#31

Cyclohexane

Concen: 1.346 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.023 min

Lab File: VN079808.D

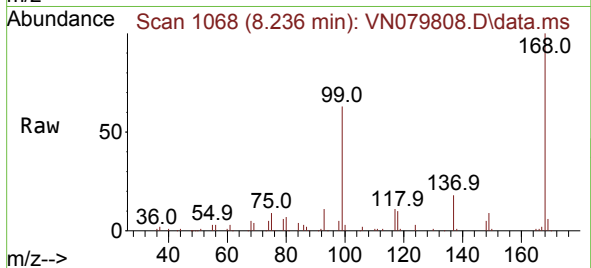
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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-380-382



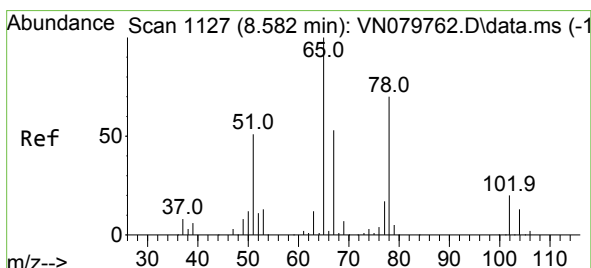
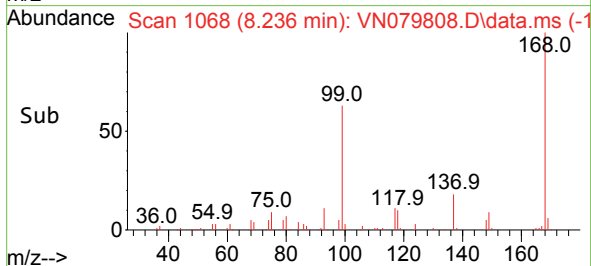
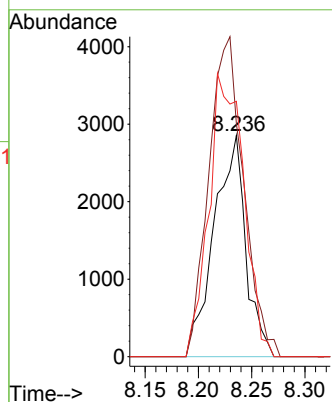
Tgt Ion: 56 Resp: 5887

Ion Ratio Lower Upper

56 100

69 105.5 26.8 40.2#

84 115.5 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 60.169 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079808.D

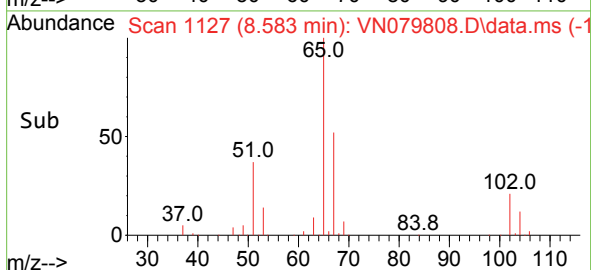
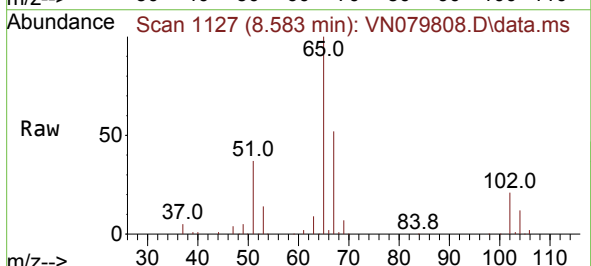
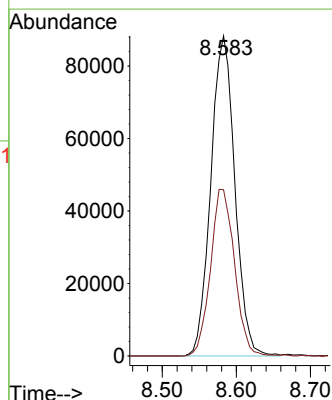
Acq: 02 Nov 2023 19:33

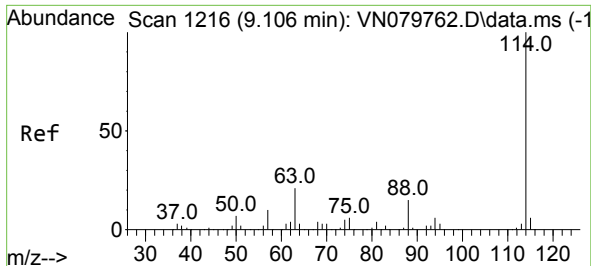
Tgt Ion: 65 Resp: 199222

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6

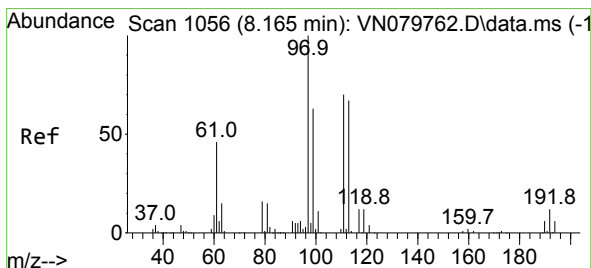
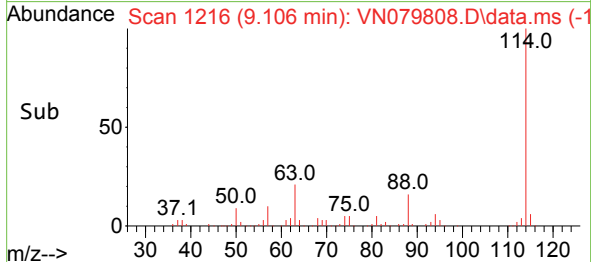
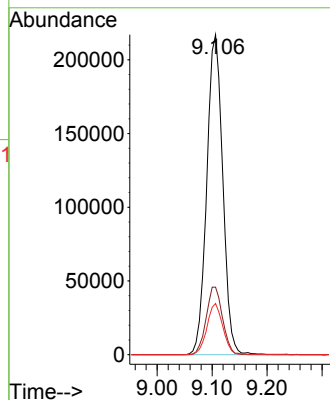
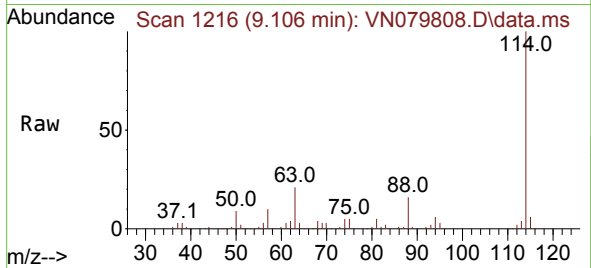




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

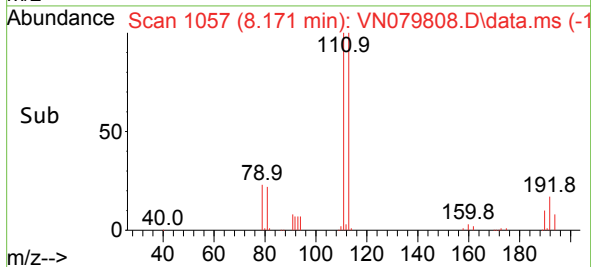
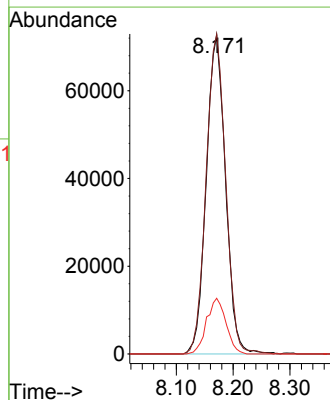
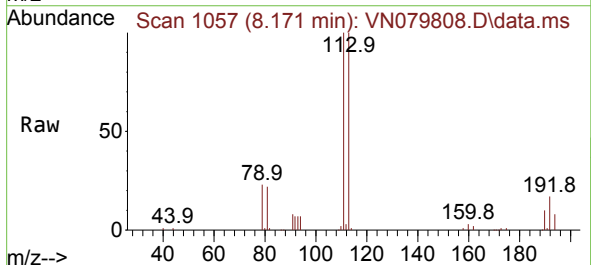
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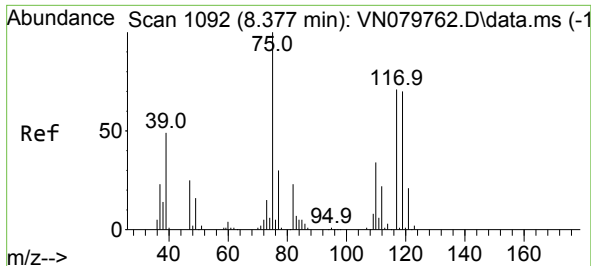
Tgt Ion:114 Resp: 438513
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.963 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079808.D
Acq: 02 Nov 2023 19:33

Tgt Ion:113 Resp: 170584
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 17.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.567 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079808.D

Acq: 02 Nov 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-380-382

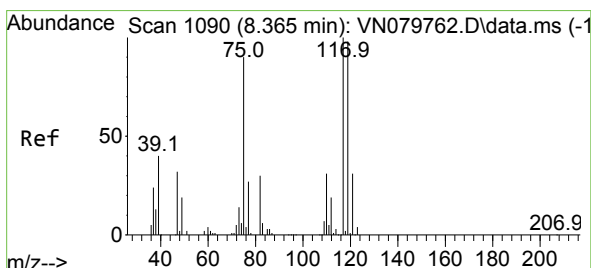
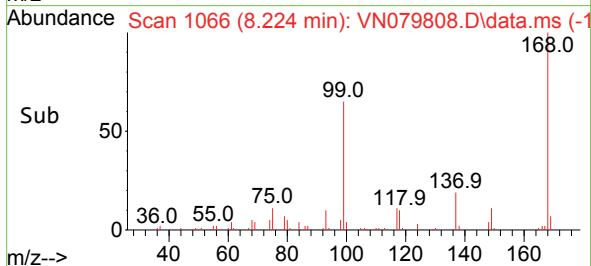
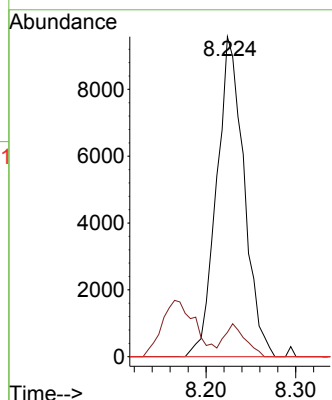
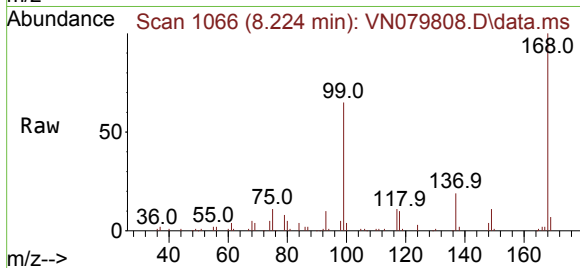
Tgt Ion: 75 Resp: 20240

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.434 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079808.D

Acq: 02 Nov 2023 19:33

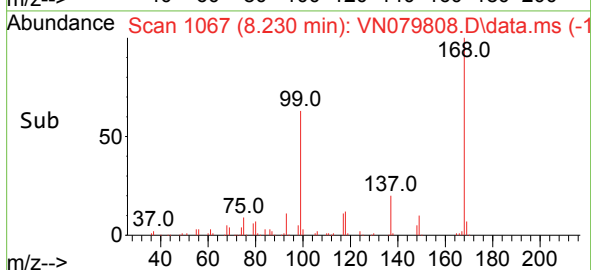
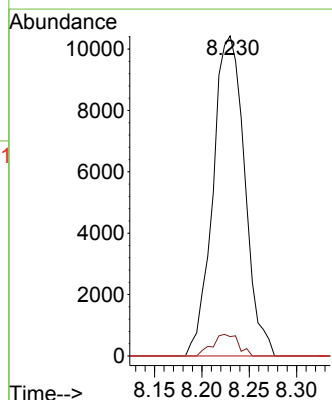
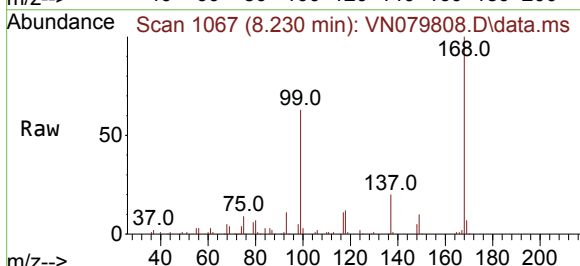
Tgt Ion: 117 Resp: 24268

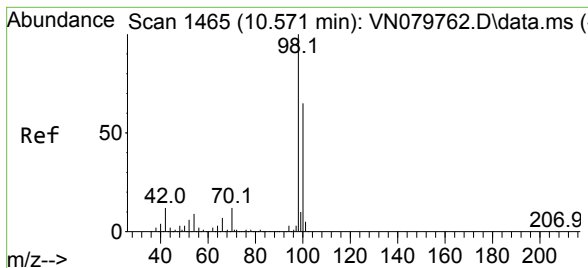
Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 51.138 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079808.D

Acq: 02 Nov 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

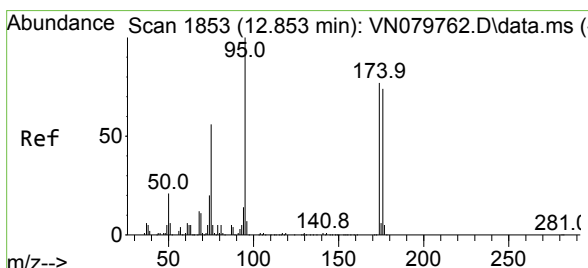
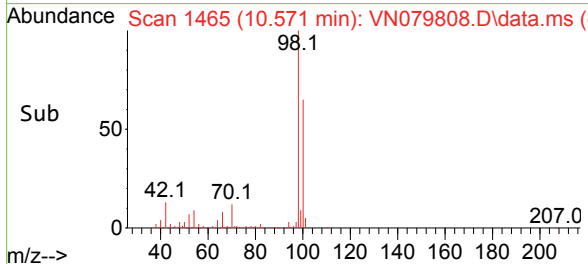
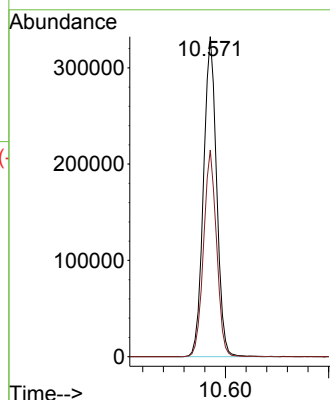
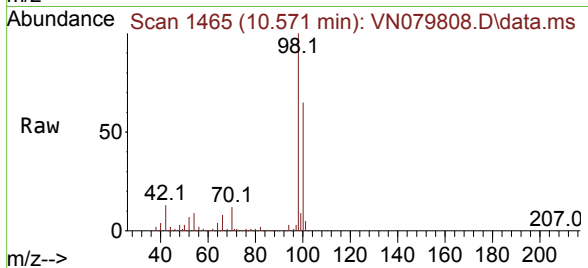
BP-VPB-188-GW-380-382

Tgt Ion: 98 Resp: 584278

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.331 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079808.D

Acq: 02 Nov 2023 19:33

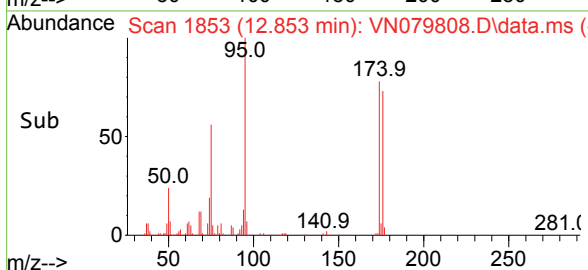
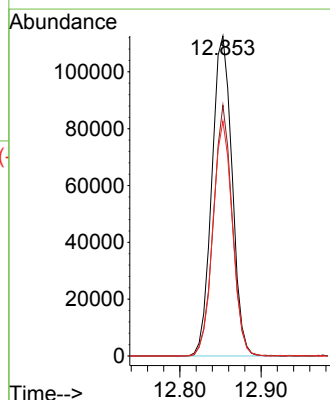
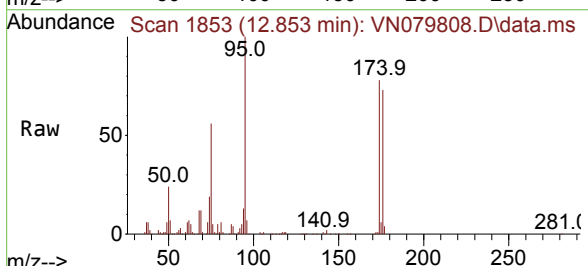
Tgt Ion: 95 Resp: 194506

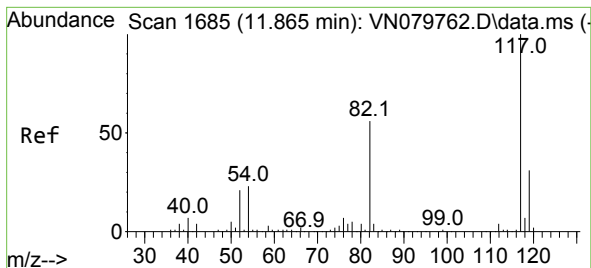
Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.8

176 71.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079808.D

Acq: 02 Nov 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-380-382

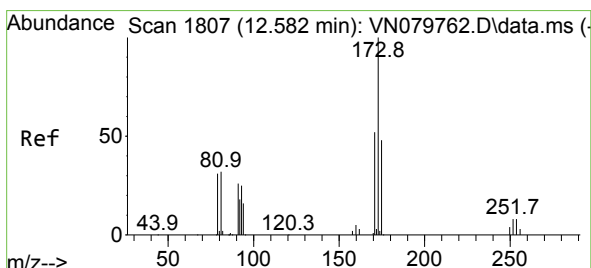
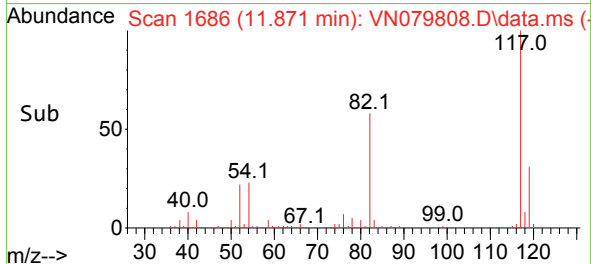
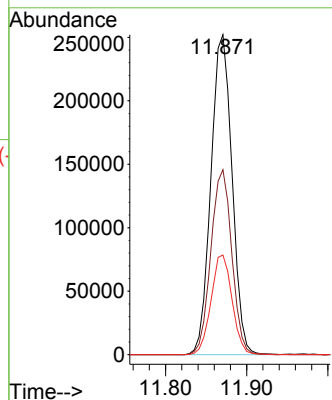
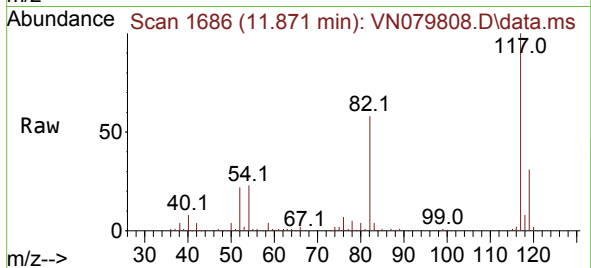
Tgt Ion:117 Resp: 455534

Ion Ratio Lower Upper

117 100

82 57.8 44.0 66.0

119 31.2 25.6 38.4



#71

Bromoform

Concen: 0.541 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN079808.D

Acq: 02 Nov 2023 19:33

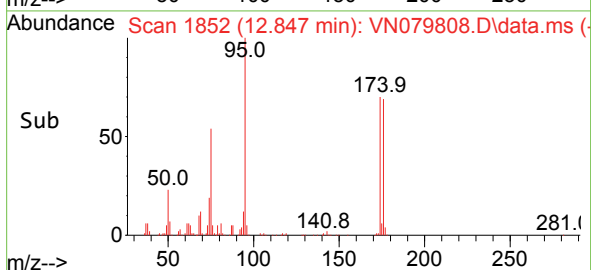
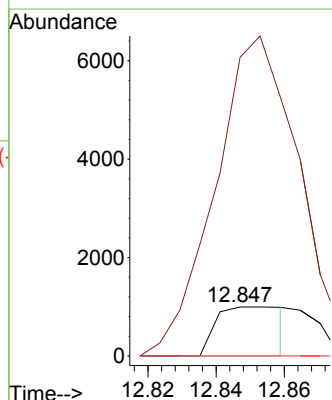
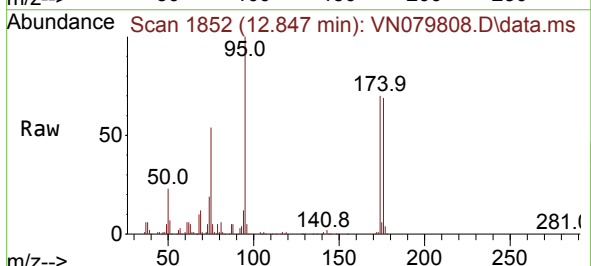
Tgt Ion:173 Resp: 1368

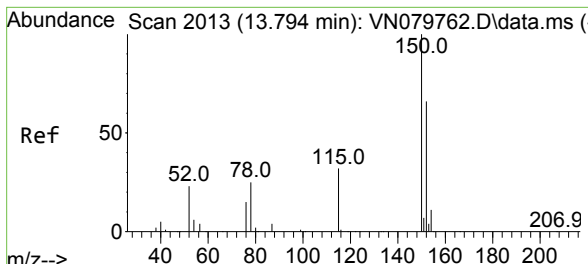
Ion Ratio Lower Upper

173 100

175 645.4 24.3 73.0#

254 0.0 0.0 0.0

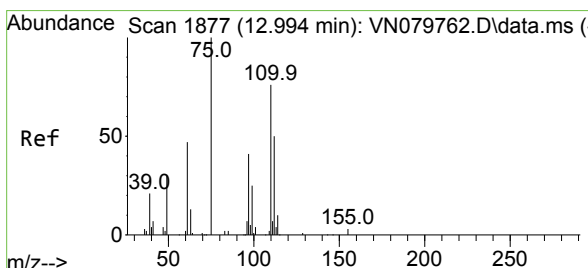
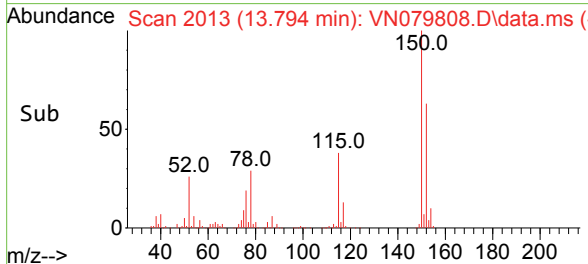
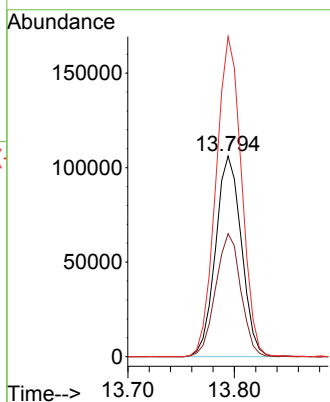
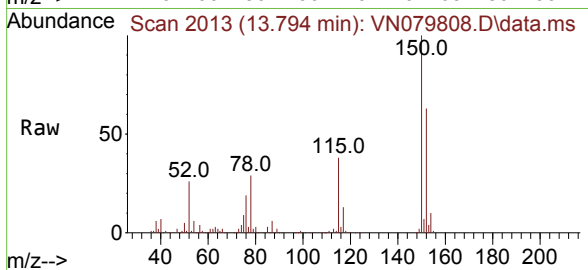




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079808.D
 Acq: 02 Nov 2023 19:33

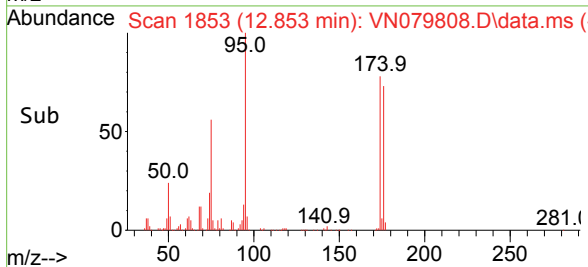
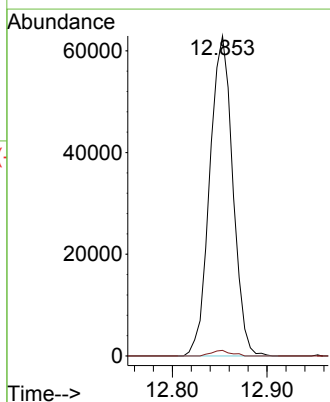
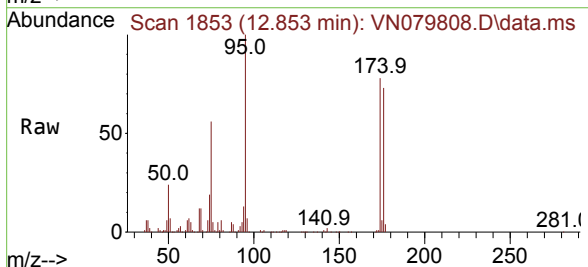
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-188-GW-380-382

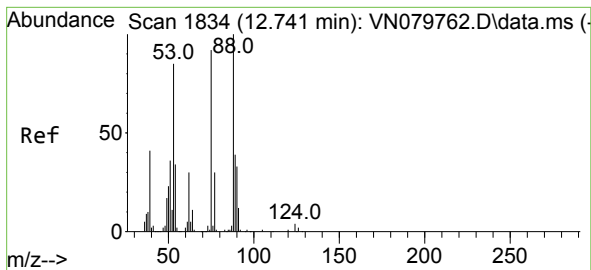
Tgt Ion:	152	Resp:	178715
Ion Ratio	Lower	Upper	
152	100		
115	59.7	32.3	96.8
150	158.0	0.0	355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.337 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079808.D
 Acq: 02 Nov 2023 19:33

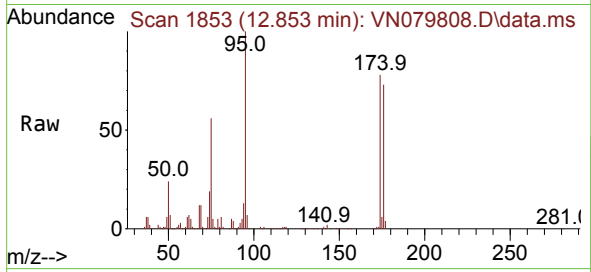
Tgt Ion:	75	Resp:	106308
Ion Ratio	Lower	Upper	
75	100		
77	1.5	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.937 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079808.D
 Acq: 02 Nov 2023 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-380-382



Tgt Ion: 75 Resp: 106308
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.2 38.8 58.2#

