

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078446.D
 Acq On : 28 Jun 2023 17:07
 Operator : JC\MD
 Sample : 03310-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-943-945RE

Quant Time: Jun 29 05:23:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

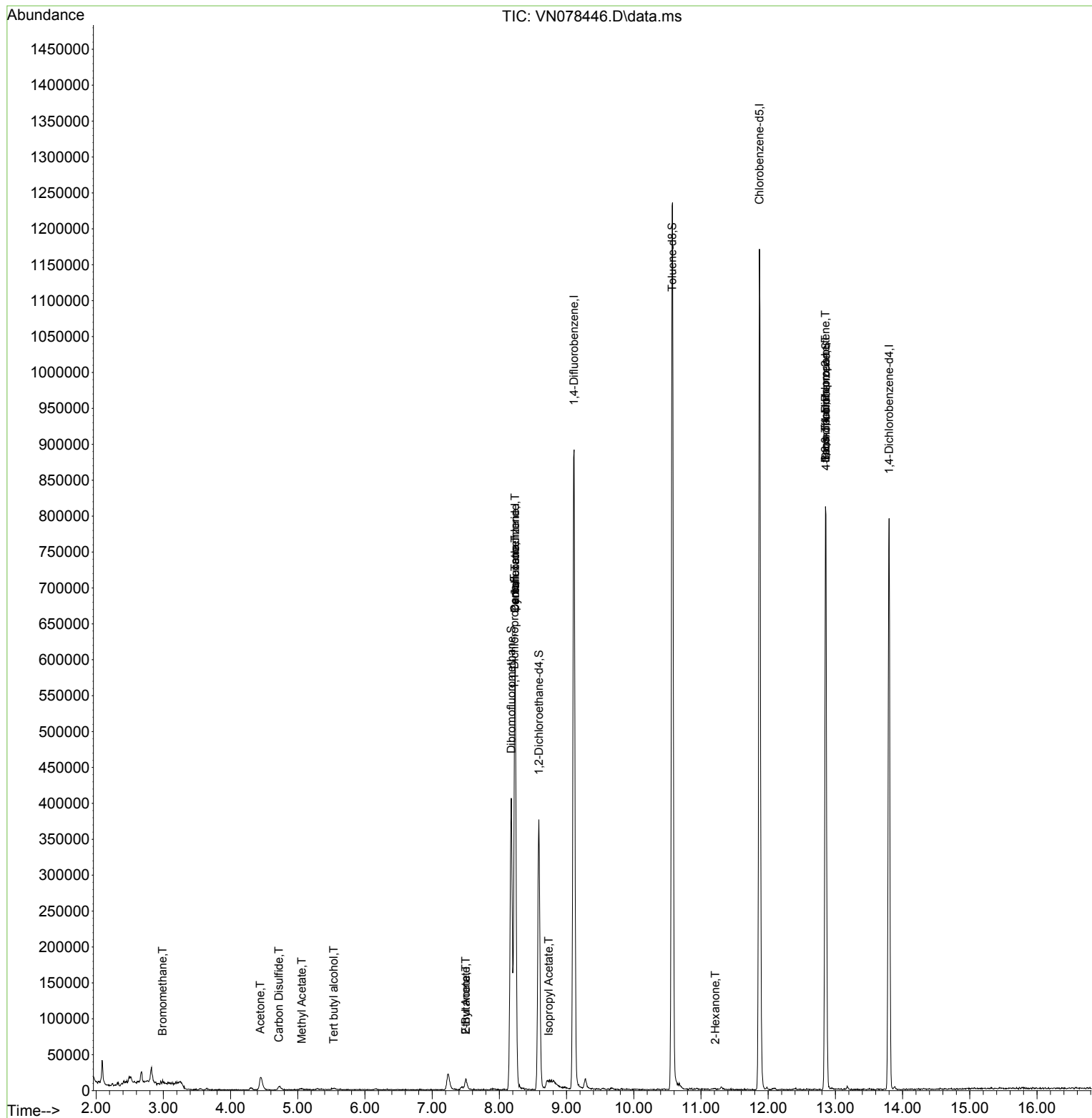
Internal Standards						
1) Pentafluorobenzene	8.235	168	437442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	806072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	710139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	221476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	303157	51.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.960%			
35) Dibromofluoromethane	8.177	113	287712	56.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.900%			
50) Toluene-d8	10.571	98	912612	46.448	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.900%			
62) 4-Bromofluorobenzene	12.859	95	293048	47.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.960%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	2062	Below Cal		89
5) Bromomethane	2.989	94	1839	0.376	ug/l	81
11) Tert butyl alcohol	5.536	59	1851	2.298	ug/l #	72
16) Acetone	4.442	43	35918	21.395	ug/l #	86
17) Carbon Disulfide	4.718	76	7094	0.577	ug/l #	90
18) Methyl Acetate	5.059	43	3068	0.397	ug/l #	85
25) 2-Butanone	7.500	43	23602	9.142	ug/l #	83
31) Cyclohexane	8.235	56	10328	1.380	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	37401	5.116	ug/l #	48
37) Ethyl Acetate	7.500	43	23602	4.133	ug/l #	64
38) Carbon Tetrachloride	8.235	117	47506	6.154	ug/l #	16
43) Isopropyl Acetate	8.735	43	10275	0.941	ug/l #	49
59) 2-Hexanone	11.212	43	1382	0.345	ug/l #	48
71) Bromoform	12.853	173	1380	0.382	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.982	83	156	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	156177	29.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156177	91.644	ug/l #	15

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

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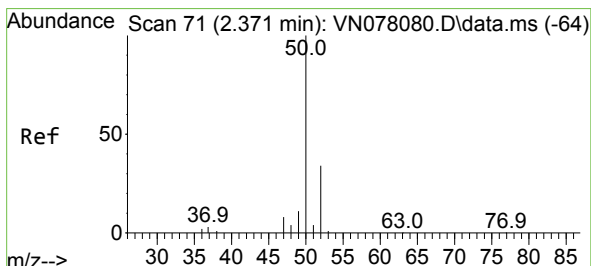
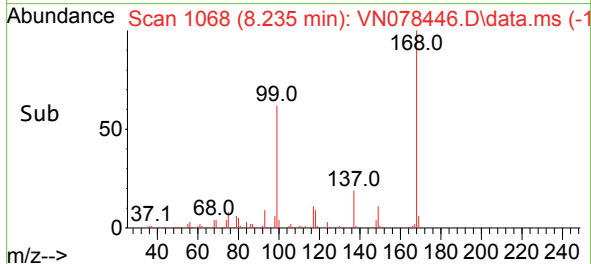
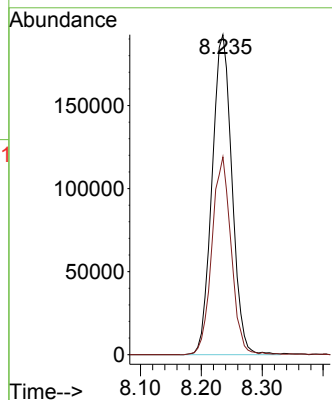
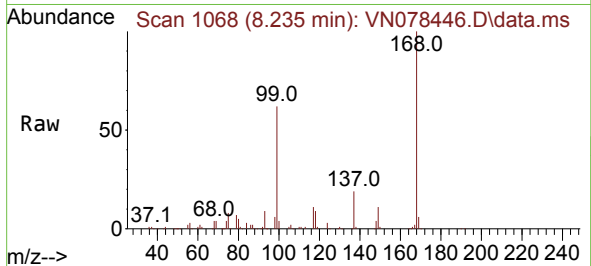




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

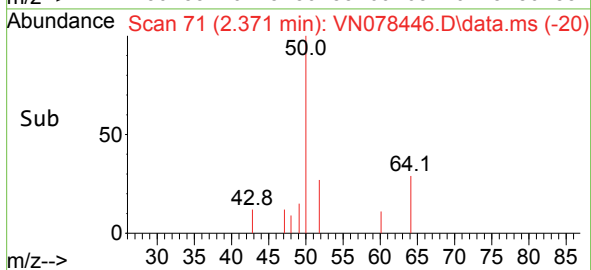
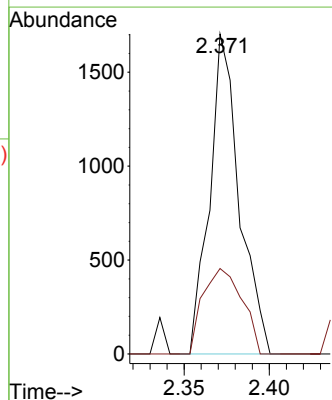
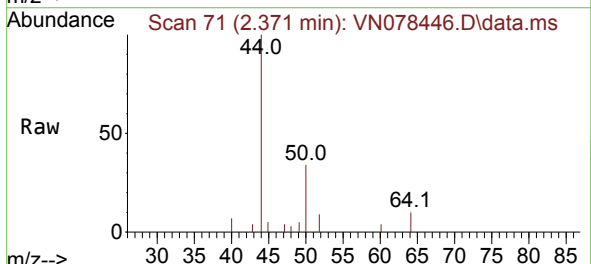
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

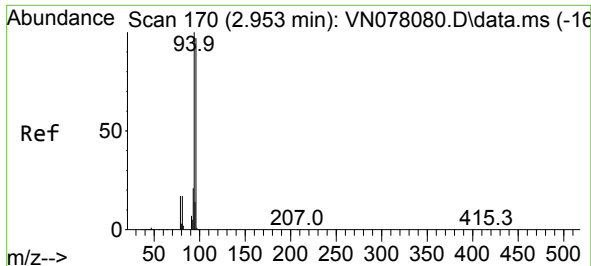
Tgt Ion:168 Resp: 437442
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion: 50 Resp: 2062
Ion Ratio Lower Upper
50 100
52 26.7 26.5 39.7

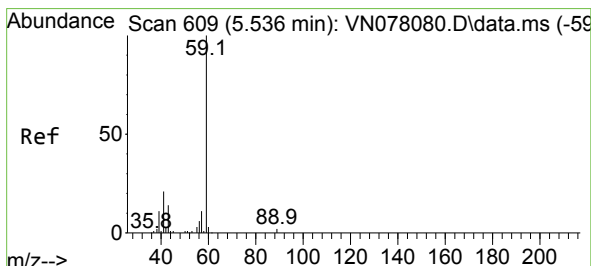
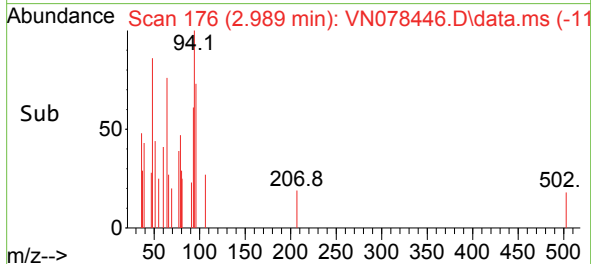
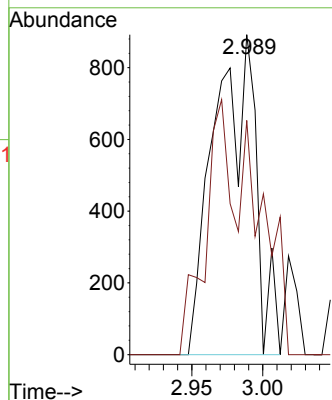
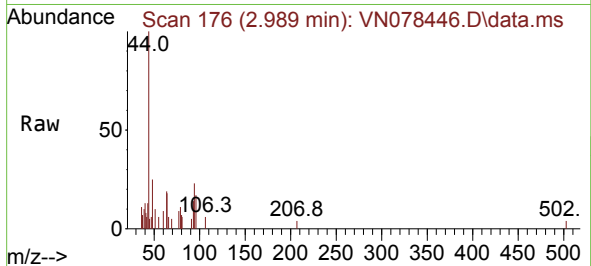




#5
Bromomethane
Concen: 0.376 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

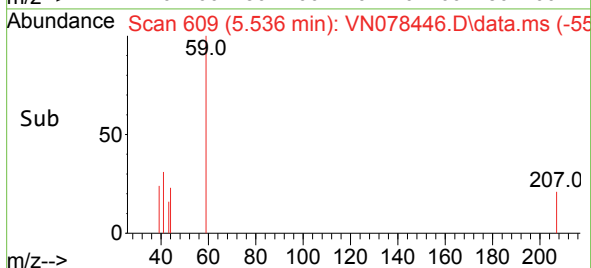
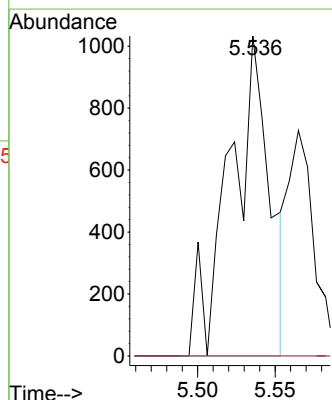
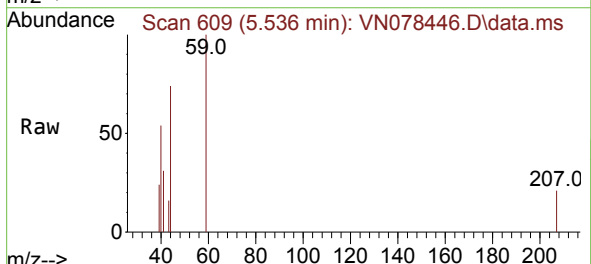
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

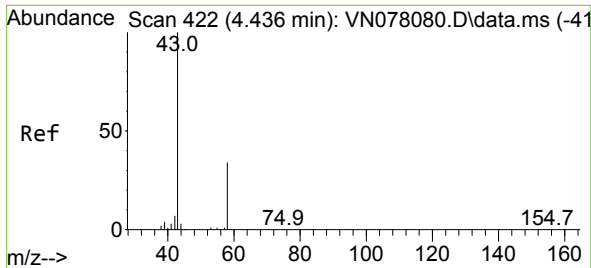
Tgt Ion: 94 Resp: 1839
Ion Ratio Lower Upper
94 100
96 73.2 73.1 109.7



#11
Tert butyl alcohol
Concen: 2.298 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion: 59 Resp: 1851
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

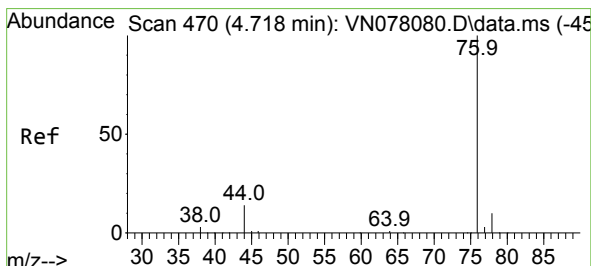
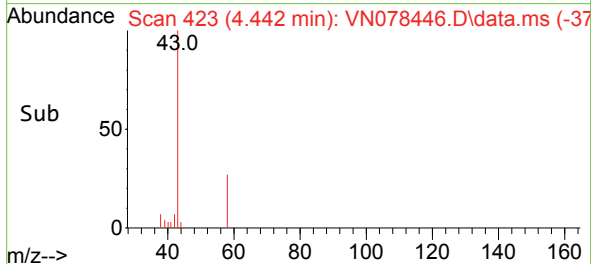
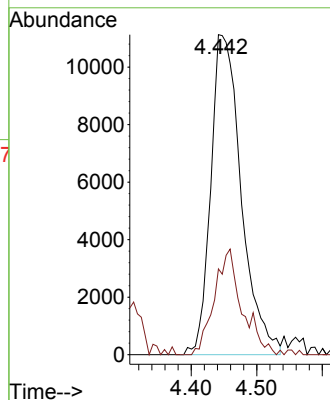
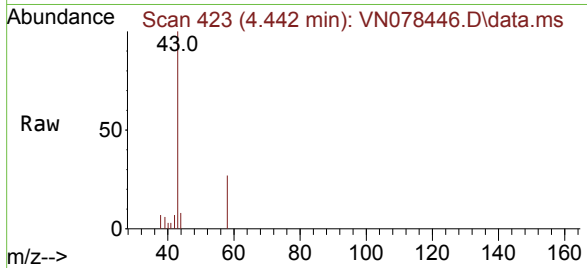




#16
Acetone
Concen: 21.395 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

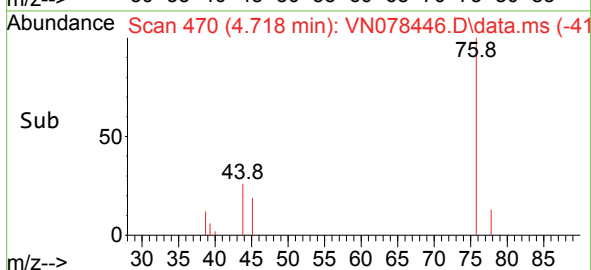
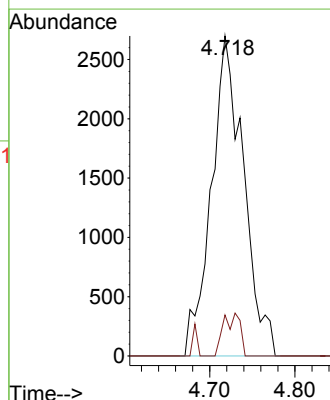
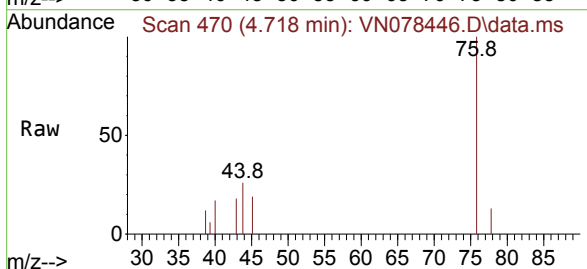
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

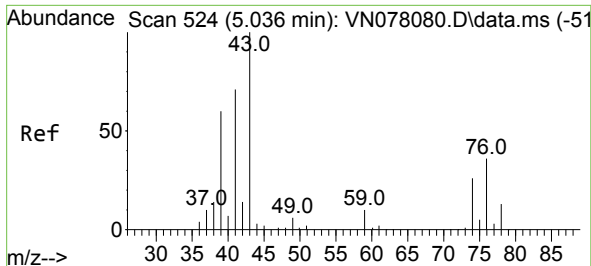
Tgt Ion: 43 Resp: 35918
Ion Ratio Lower Upper
43 100
58 26.8 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.577 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion: 76 Resp: 7094
Ion Ratio Lower Upper
76 100
78 12.8 7.4 11.0#

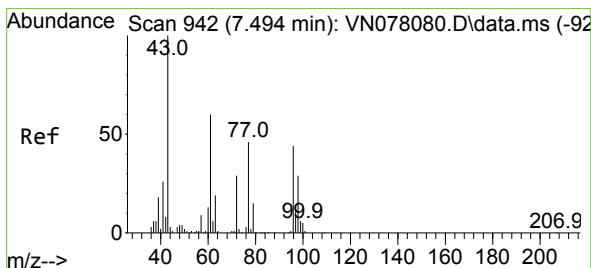
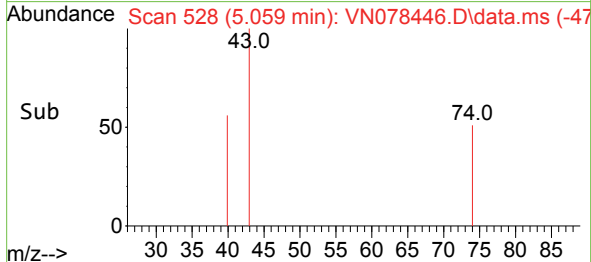
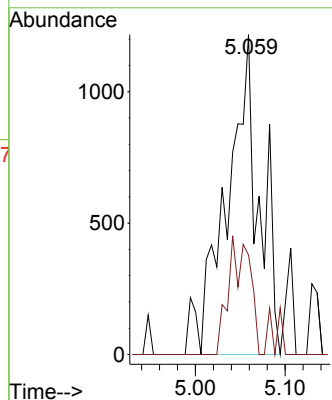
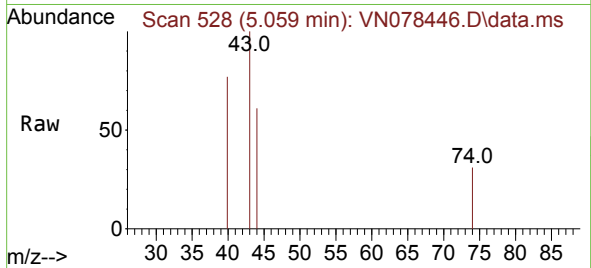




#18
Methyl Acetate
Concen: 0.397 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

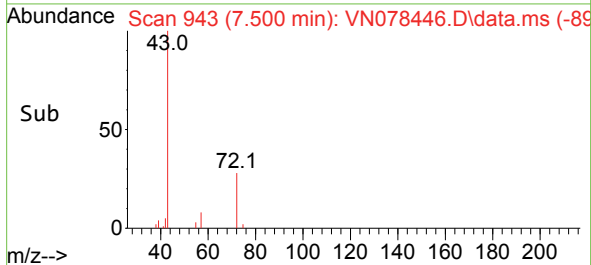
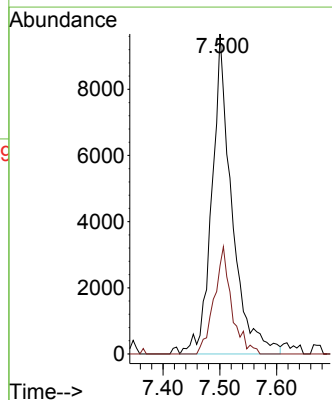
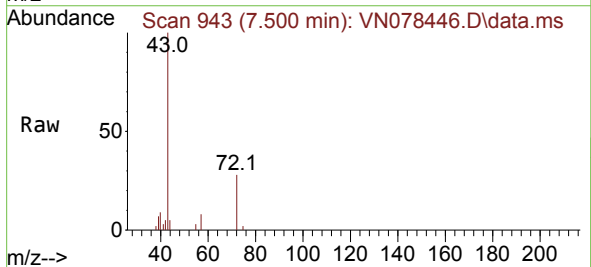
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

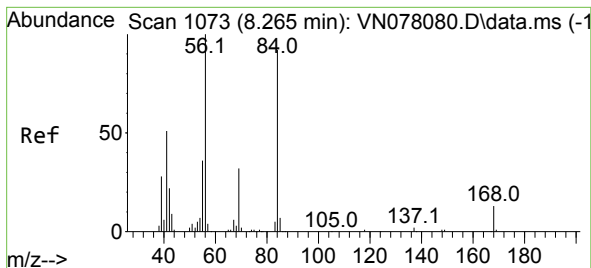
Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
74 24.2 26.2 39.4#



#25
2-Butanone
Concen: 9.142 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion: 43 Resp: 23602
Ion Ratio Lower Upper
43 100
72 27.6 30.2 45.2#





#31

Cyclohexane

Concen: 1.380 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN078446.D

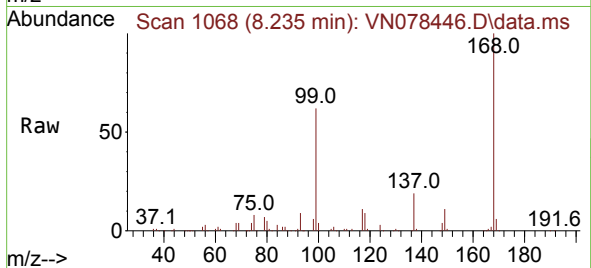
Acq: 28 Jun 2023 17:07

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-943-945RE



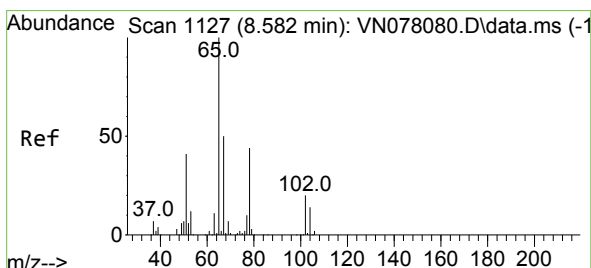
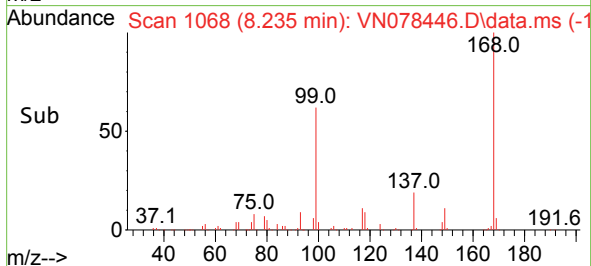
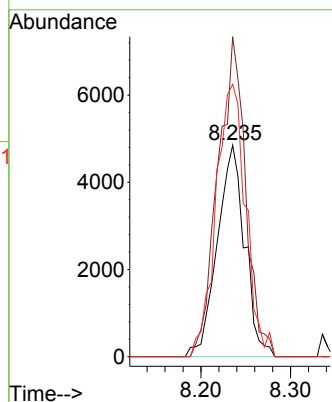
Tgt Ion: 56 Resp: 10328

Ion Ratio Lower Upper

56 100

69 151.3 26.8 40.2#

84 128.8 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 51.978 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078446.D

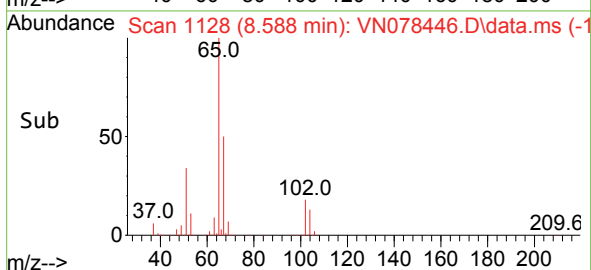
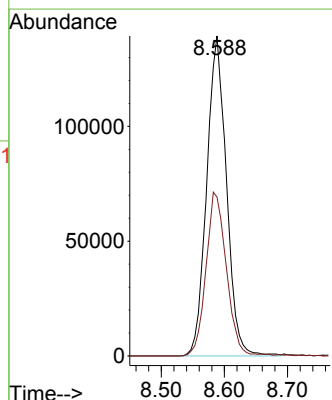
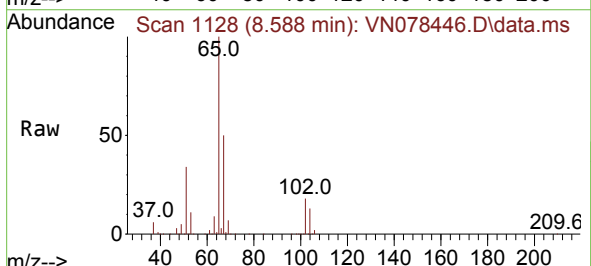
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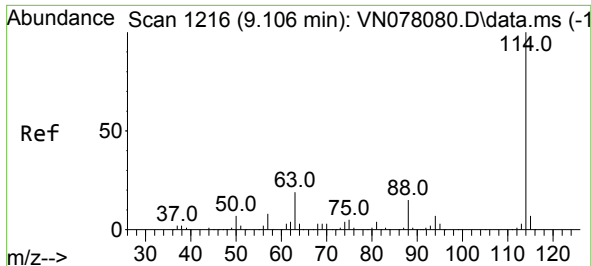
Tgt Ion: 65 Resp: 303157

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.6

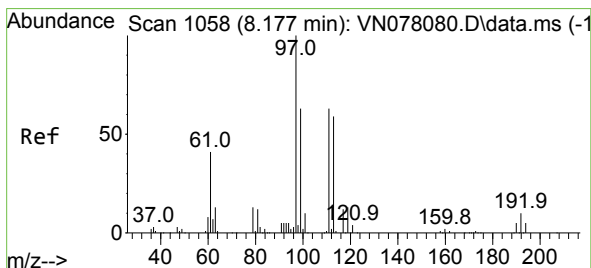
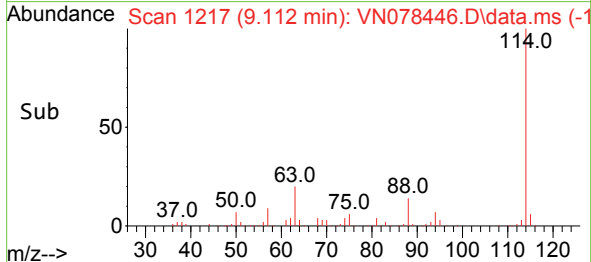
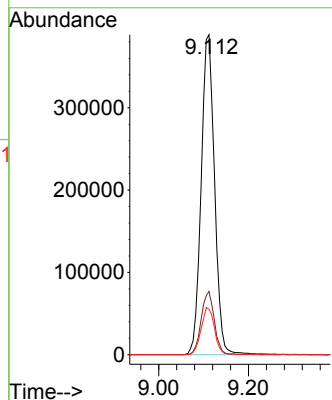
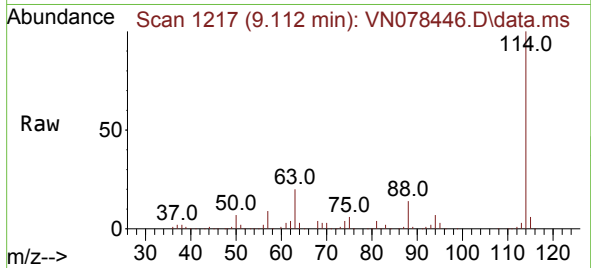




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

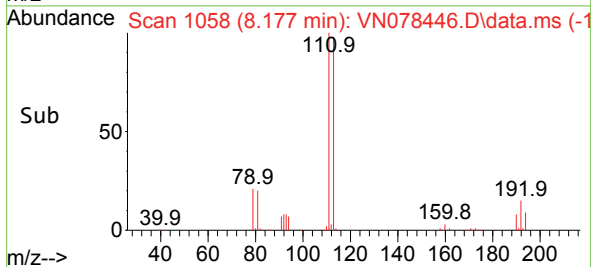
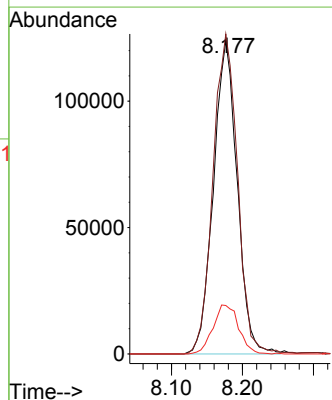
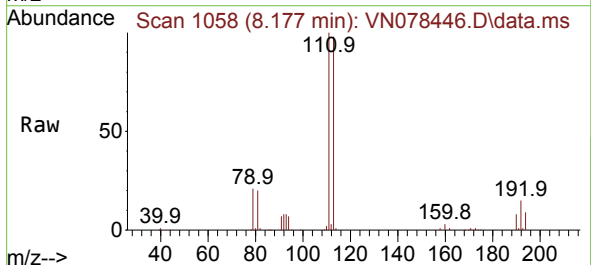
Instrument :
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Tgt Ion:114 Resp: 806072
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.4
88 14.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.451 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion:113 Resp: 287712
Ion Ratio Lower Upper
113 100
111 105.2 82.6 123.8
192 16.8 12.7 19.1

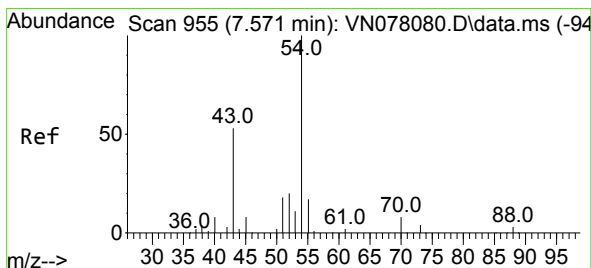
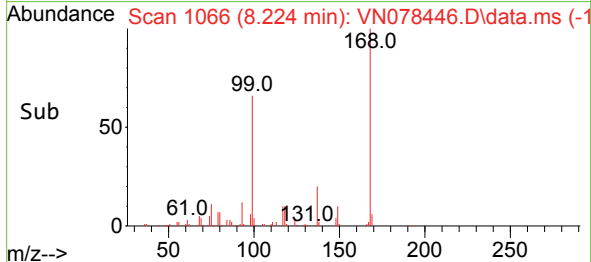
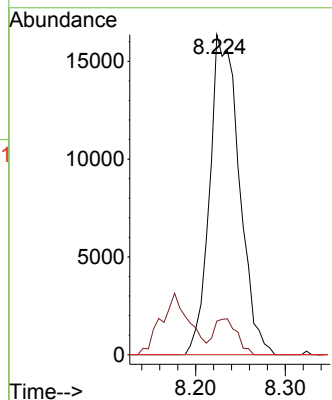
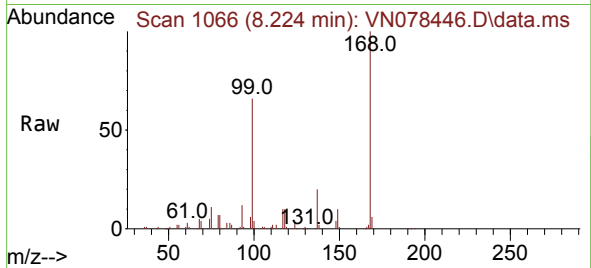




#36
1,1-Dichloropropene
Concen: 5.116 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

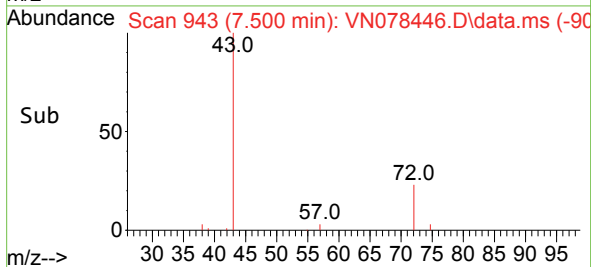
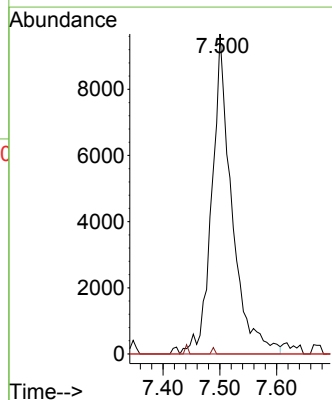
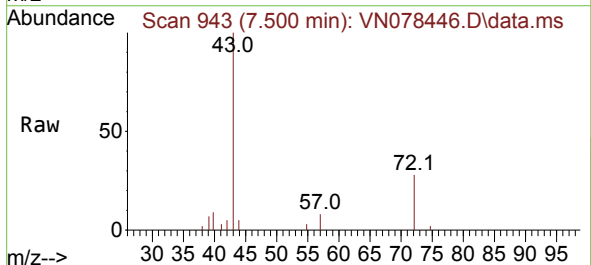
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-GW-943-945RE

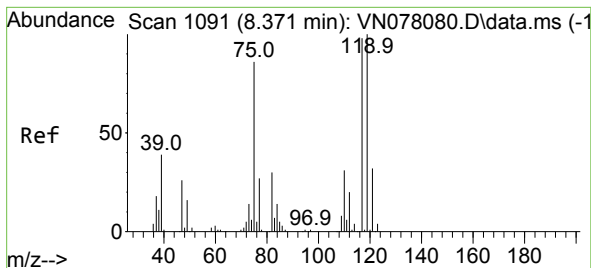
Tgt Ion: 75 Resp: 37401
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 4.133 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.071 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion: 43 Resp: 23602
Ion Ratio Lower Upper
43 100
61 0.3 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 6.154 ug/l

RT: 8.235 min Scan# 1103

Delta R.T. -0.135 min

Lab File: VN078446.D

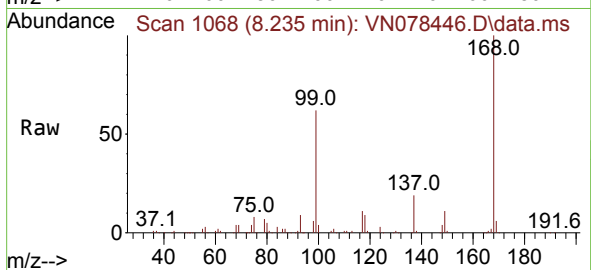
Acq: 28 Jun 2023 17:07

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-943-945RE



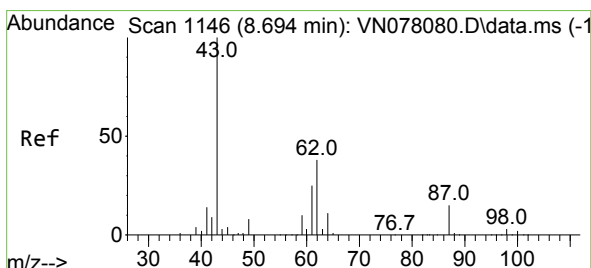
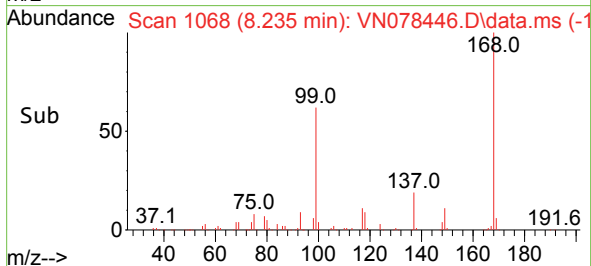
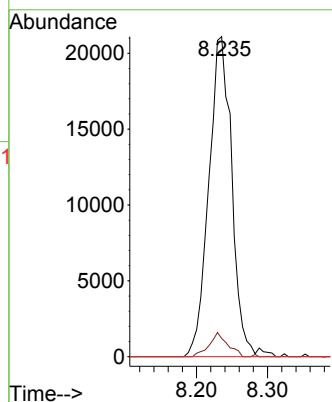
Tgt Ion:117 Resp: 47506

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.941 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078446.D

Acq: 28 Jun 2023 17:07

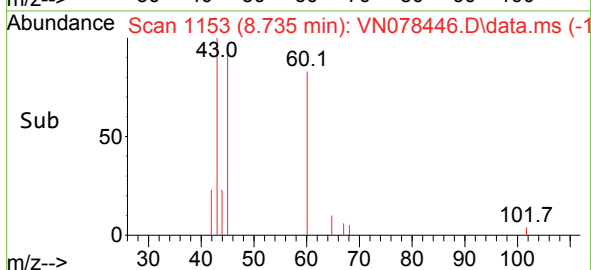
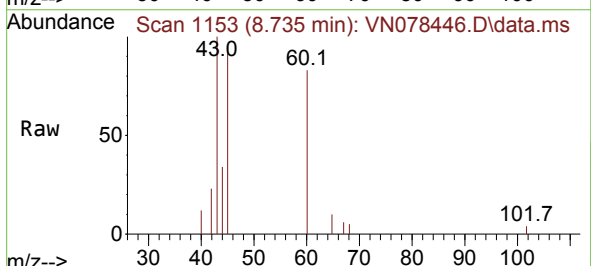
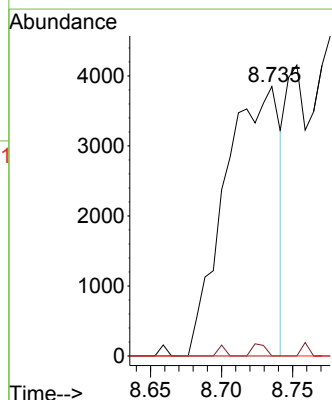
Tgt Ion: 43 Resp: 10275

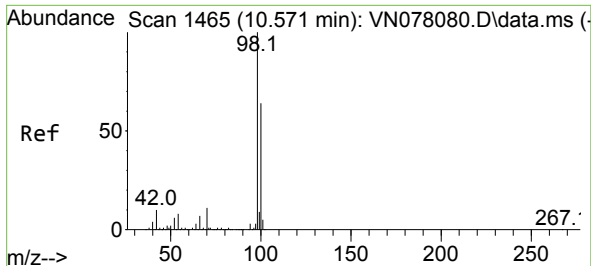
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

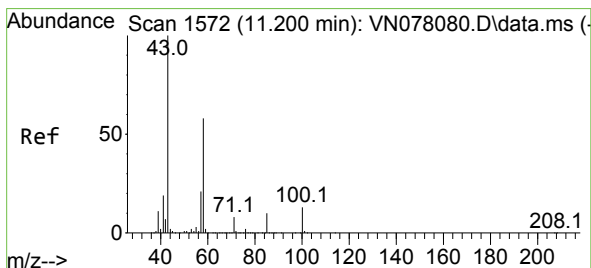
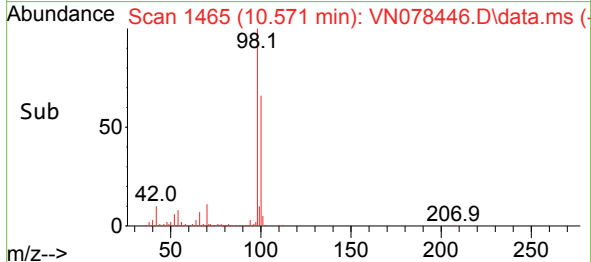
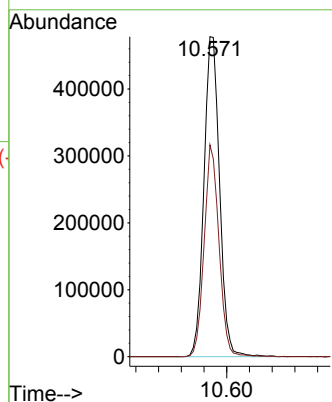
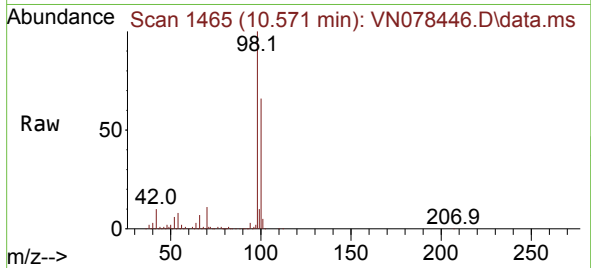




#50
Toluene-d8
Concen: 46.448 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

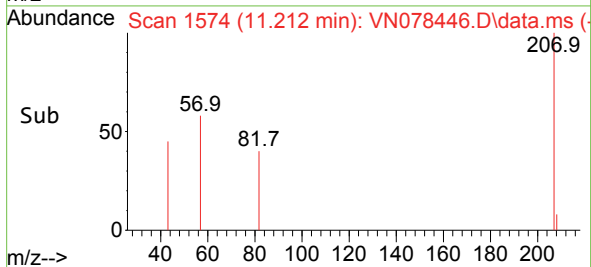
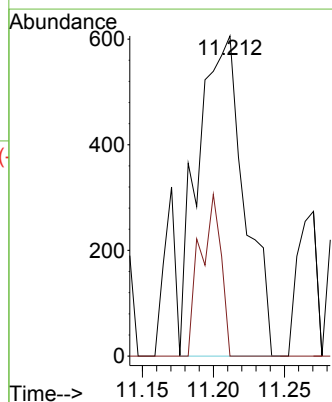
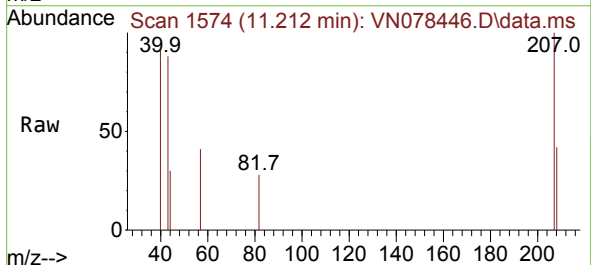
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

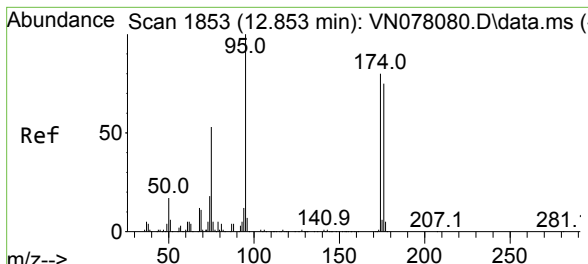
Tgt Ion: 98 Resp: 912612
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#59
2-Hexanone
Concen: 0.345 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 22.7 31.7 95.1#

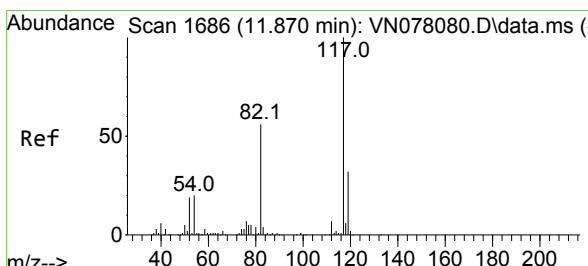
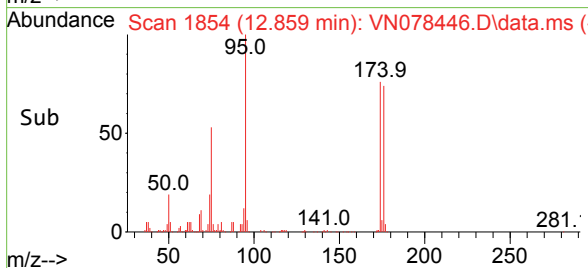
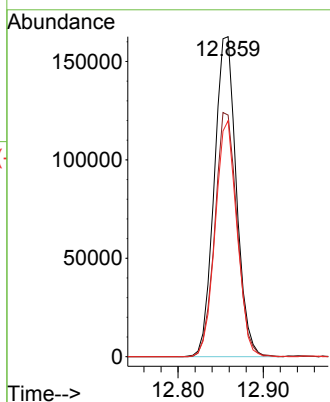
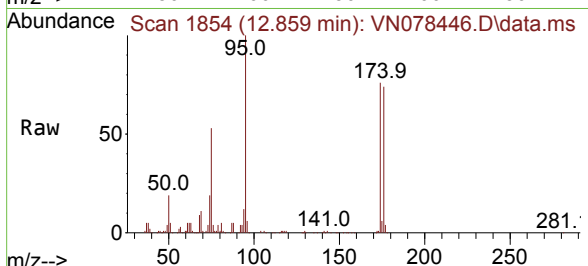




#62
 4-Bromofluorobenzene
 Concen: 47.977 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VN078446.D
 Acq: 28 Jun 2023 17:07

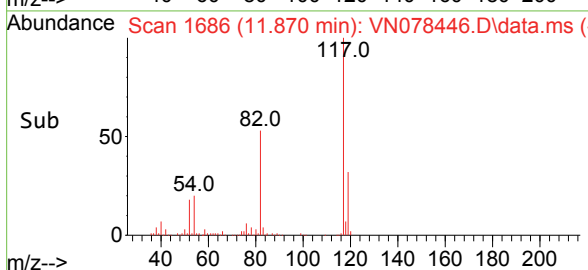
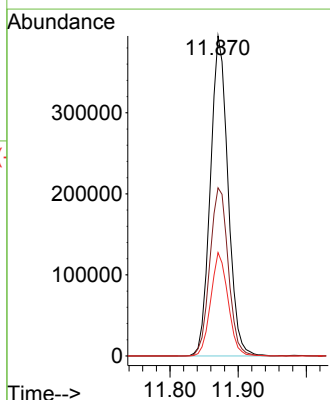
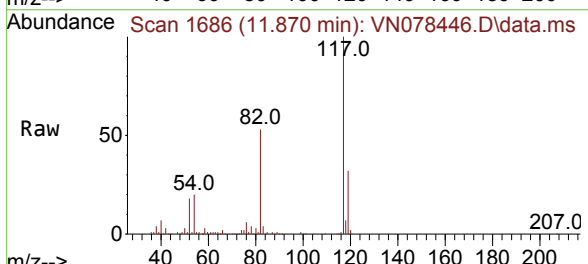
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-RW11-GW-943-945RE

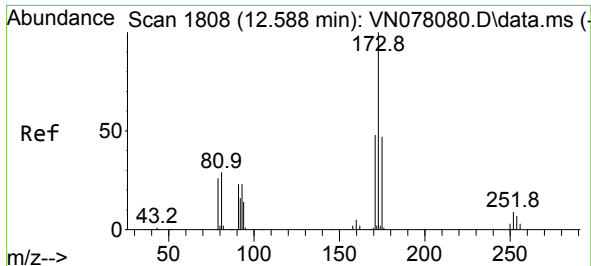
Tgt Ion:	95	Resp:	293048
Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	143.8
176	72.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078446.D
 Acq: 28 Jun 2023 17:07

Tgt Ion:	117	Resp:	710139
Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.0	66.0
119	32.3	25.6	38.4

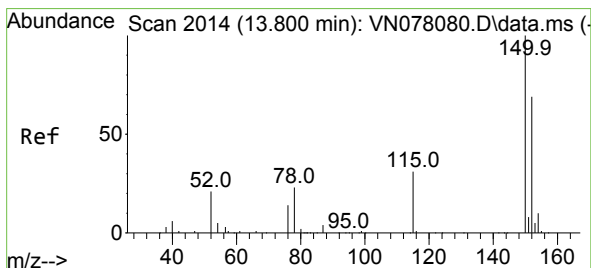
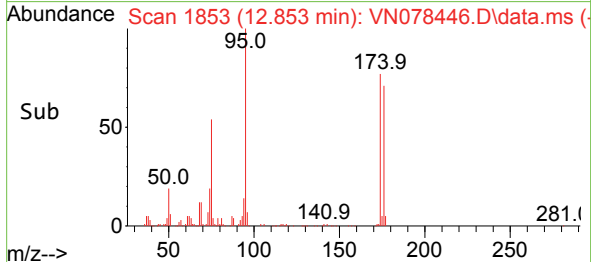
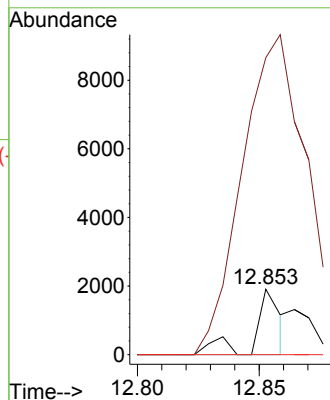
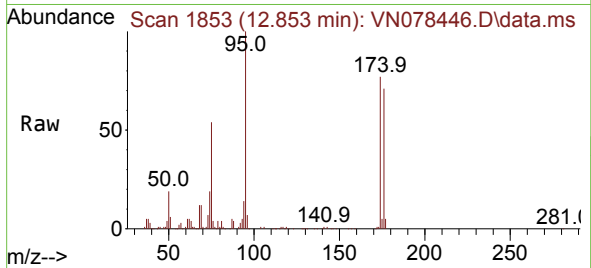




#71
Bromoform
Concen: 0.382 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

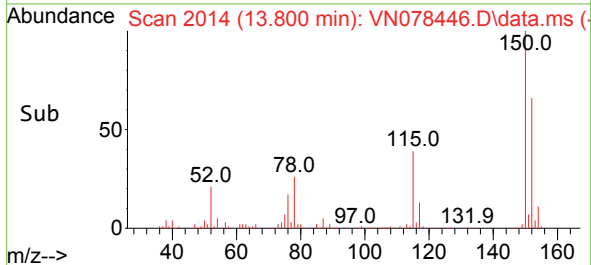
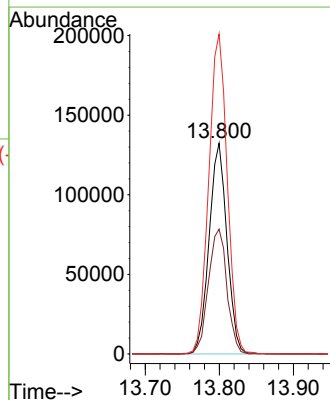
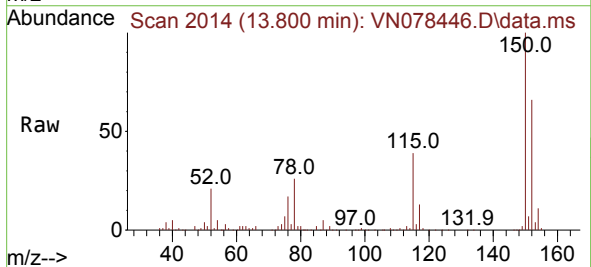
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

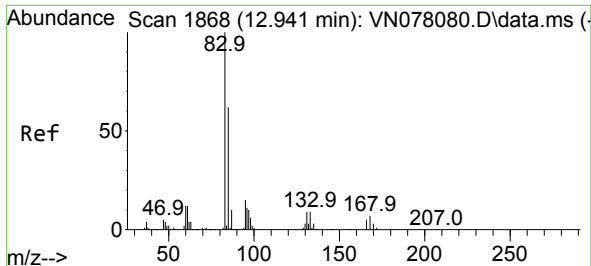
Tgt Ion:173 Resp: 1380
Ion Ratio Lower Upper
173 100
175 1001.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

Tgt Ion:152 Resp: 221476
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 157.0 0.0 355.8

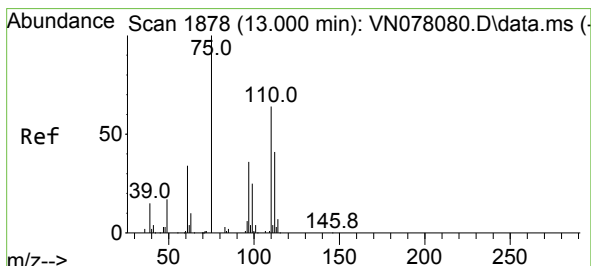
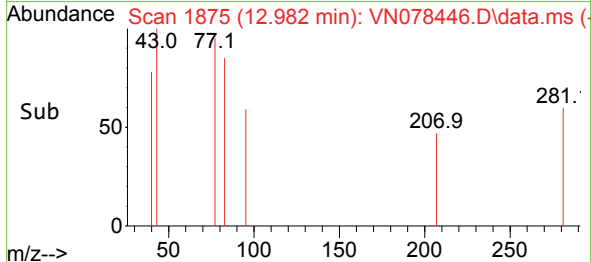
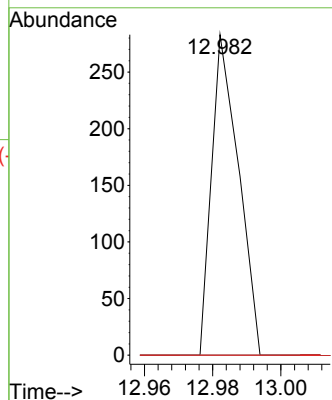
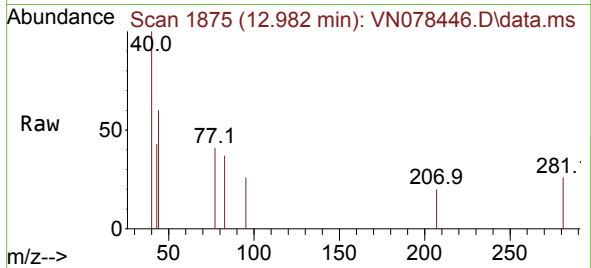




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. 0.041 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

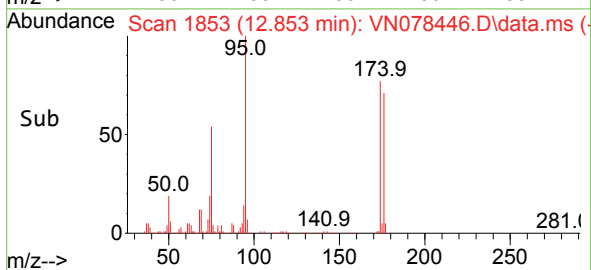
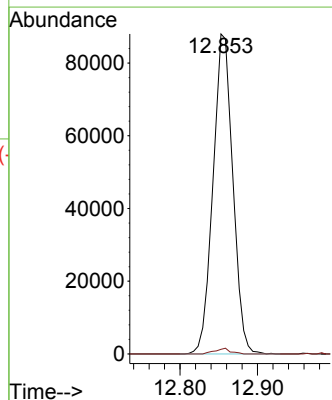
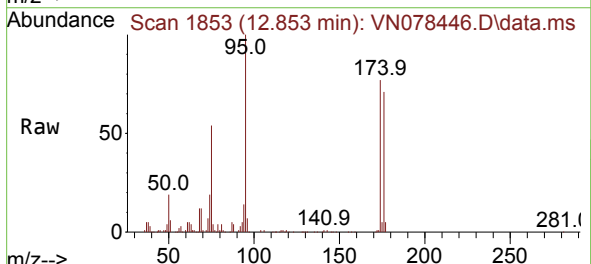
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-943-945RE

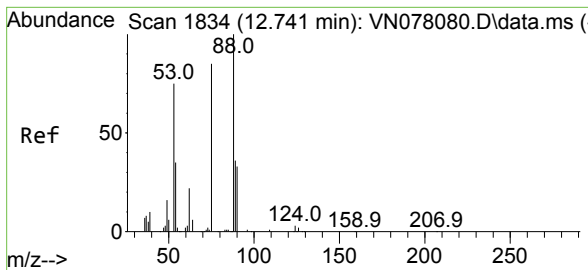
Tgt Ion: 83 Resp: 156
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 29.829 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078446.D
Acq: 28 Jun 2023 17:07

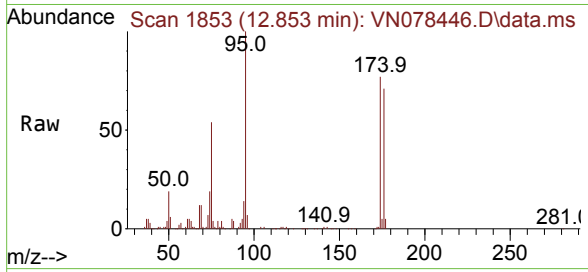
Tgt Ion: 75 Resp: 156177
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.644 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078446.D
 Acq: 28 Jun 2023 17:07

Instrument : MSVOA_N
 ClientSampleId : BP-VPB-RW11-GW-943-945RE



Tgt Ion:	75	Resp:	156177
Ion	Ratio	Lower	Upper
75	100		
53	0.1	67.4	101.2#
89	0.1	38.8	58.2#

