

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081167.D
 Acq On : 23 Feb 2024 18:32
 Operator : JC\MD
 Sample : P1576-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-195-GW-920-922

Quant Time: Feb 23 22:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

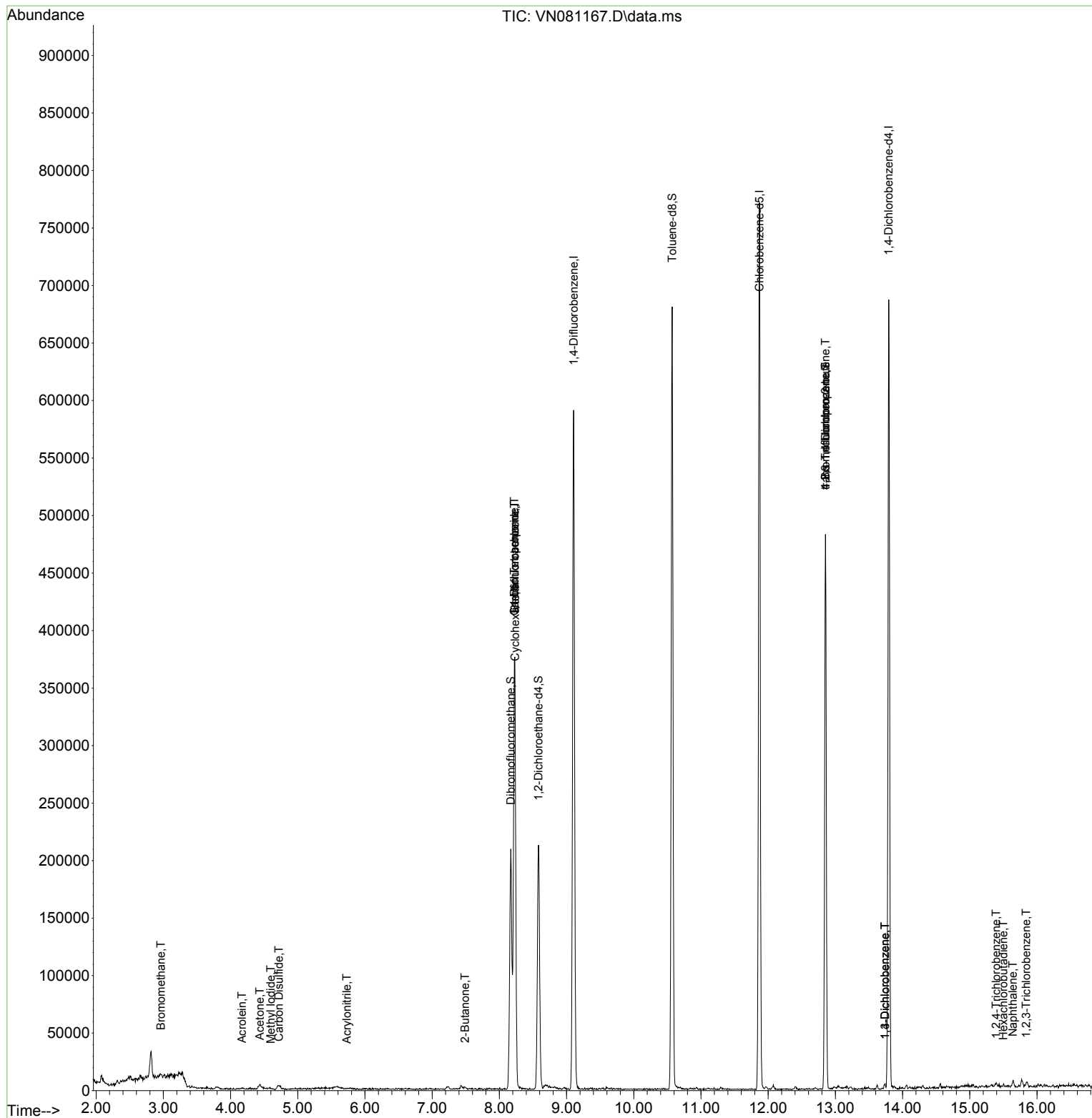
Internal Standards						
1) Pentafluorobenzene	8.230	168	264425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	507898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	439553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	172997	53.376	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.760%	
35) Dibromofluoromethane	8.171	113	144009	50.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.280%	
50) Toluene-d8	10.571	98	461389	45.232	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.460%	
62) 4-Bromofluorobenzene	12.853	95	169786	44.297	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1060	Below Cal	#	88
5) Bromomethane	2.965	94	1603	0.594	ug/l #	81
6) Chloroethane	3.106	64	197	Below Cal	#	42
10) Methyl Iodide	4.600	142	764	0.221	ug/l #	74
13) Acrolein	4.171	56	1073	3.359	ug/l #	78
15) Acrylonitrile	5.730	53	517	0.332	ug/l #	47
16) Acetone	4.436	43	7337	5.753	ug/l #	70
17) Carbon Disulfide	4.718	76	3567	0.428	ug/l #	77
20) Methylene Chloride	5.265	84	212	Below Cal	#	33
25) 2-Butanone	7.489	43	1591	0.772	ug/l	91
31) Cyclohexane	8.236	56	7137	1.275	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	23789	4.835	ug/l #	53
38) Carbon Tetrachloride	8.224	117	32113	6.451	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	91160	22.817	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91160	58.729	ug/l #	14
87) 1,3-Dichlorobenzene	13.741	146	1508	0.233	ug/l	91
88) 1,4-Dichlorobenzene	13.741	146	1508	0.237	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1352	0.388	ug/l #	86
94) Hexachlorobutadiene	15.500	225	446	0.343	ug/l #	30
95) Naphthalene	15.641	128	5223	0.409	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.841	180	1248	0.361	ug/l #	80

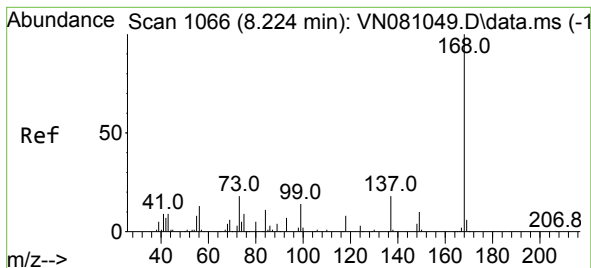
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

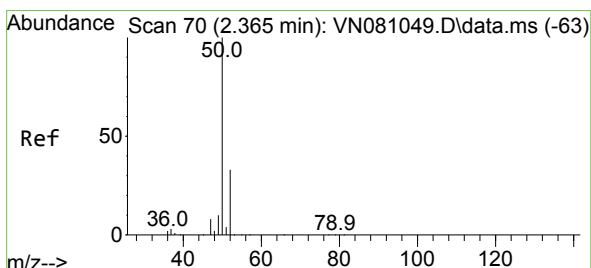
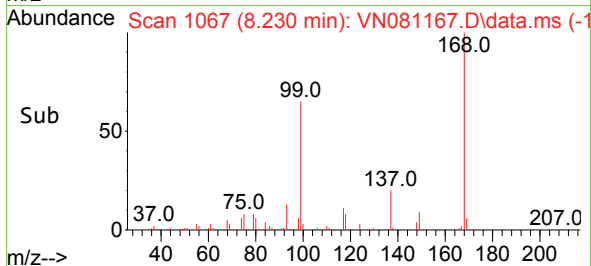
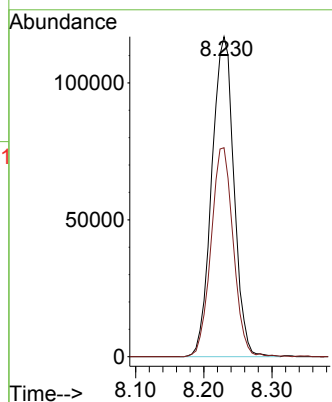
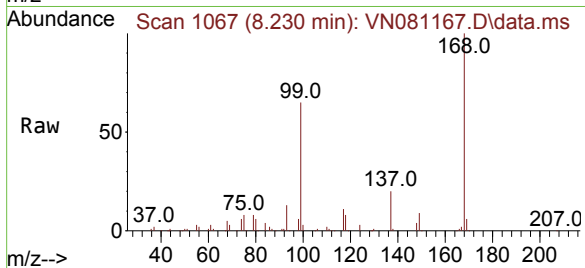
BP-VPB-195-GW-920-922

Tgt Ion:168 Resp: 264425

Ion Ratio Lower Upper

168 100

99 65.3 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081167.D

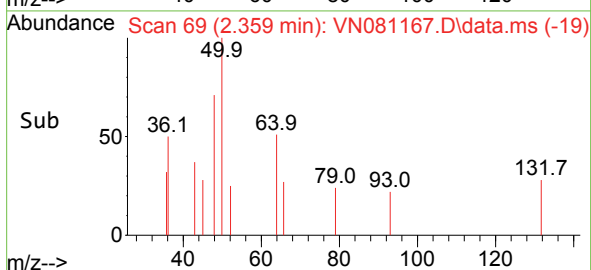
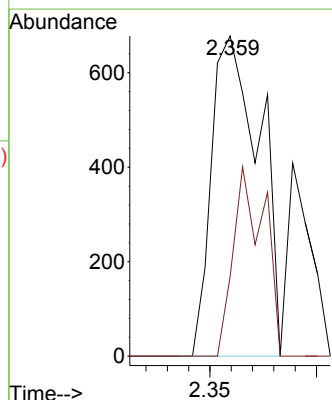
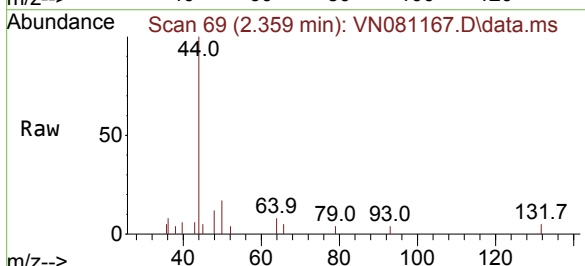
Acq: 23 Feb 2024 18:32

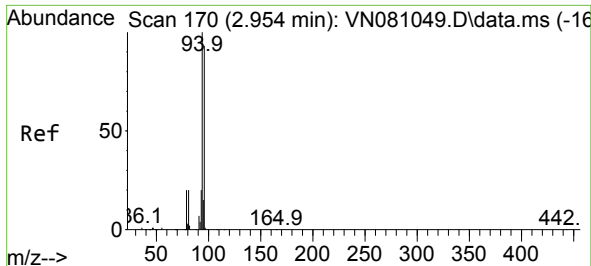
Tgt Ion: 50 Resp: 1060

Ion Ratio Lower Upper

50 100

52 24.8 25.0 37.4#

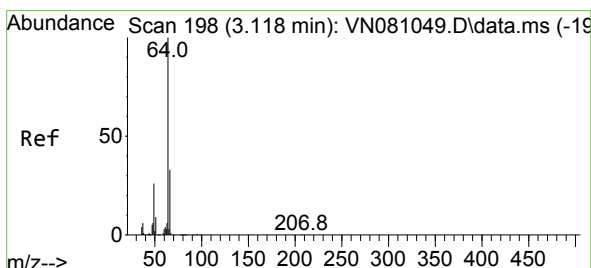
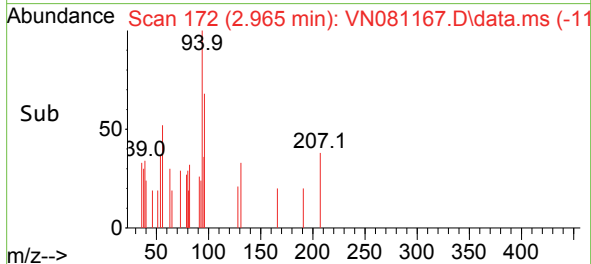
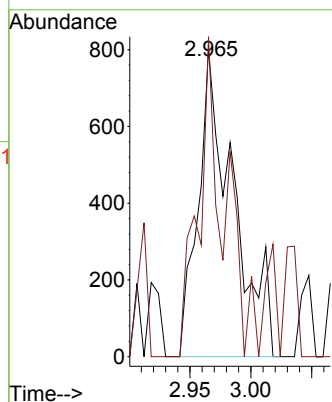
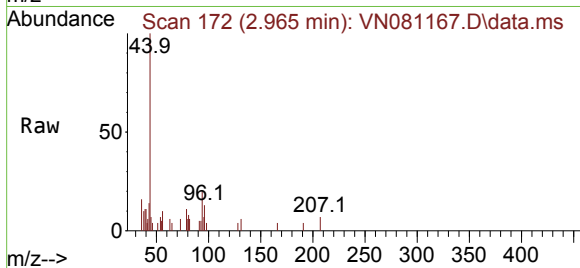




#5
Bromomethane
Concen: 0.594 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

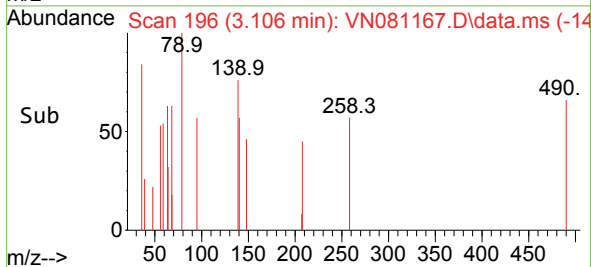
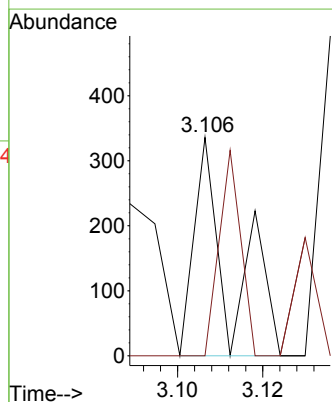
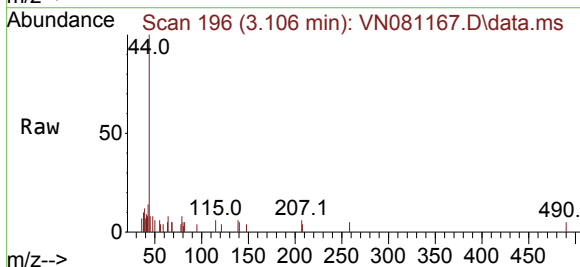
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

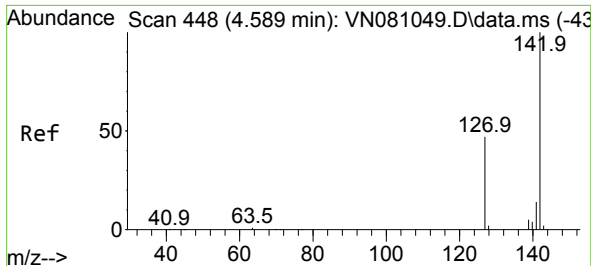
Tgt Ion: 94 Resp: 1603
Ion Ratio Lower Upper
94 100
96 104.0 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

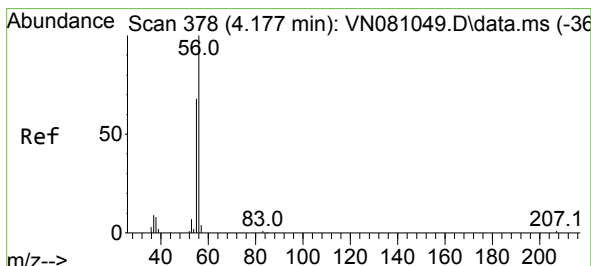
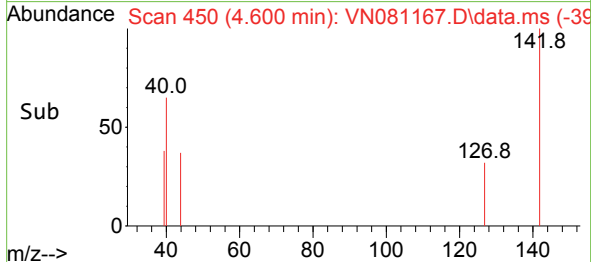
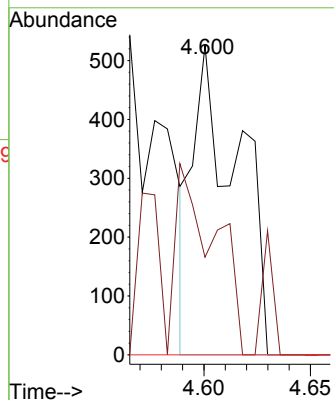
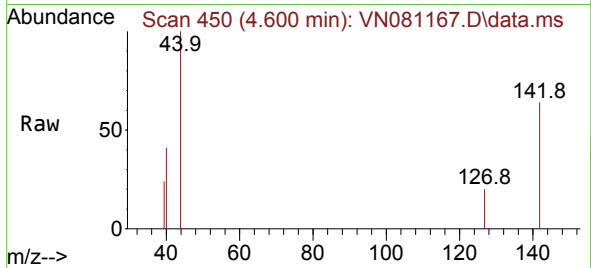




#10
Methyl Iodide
Concen: 0.221 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

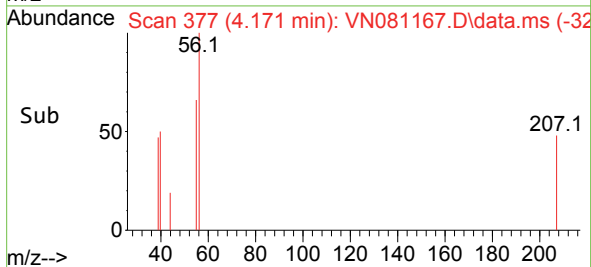
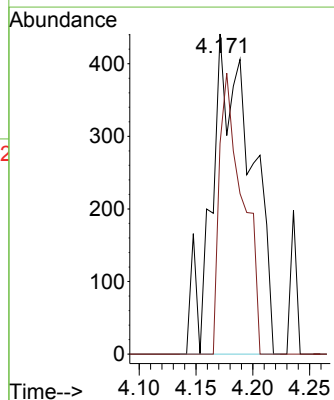
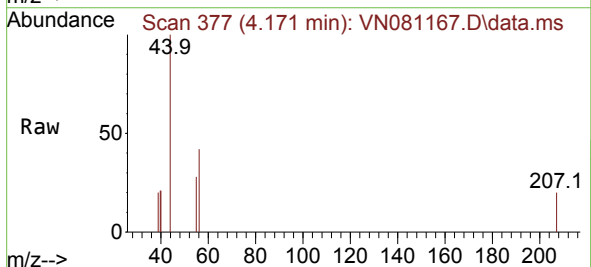
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

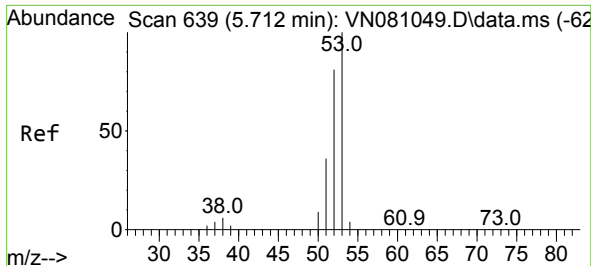
Tgt Ion:142 Resp: 764
Ion Ratio Lower Upper
142 100
127 31.6 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 3.359 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion: 56 Resp: 1073
Ion Ratio Lower Upper
56 100
55 51.5 55.3 82.9#

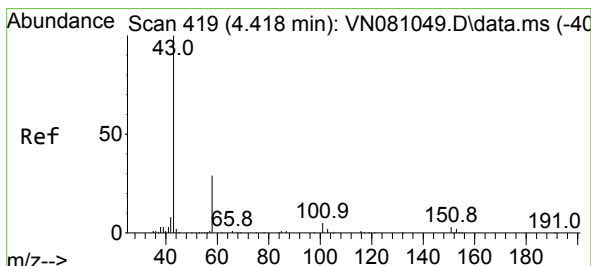
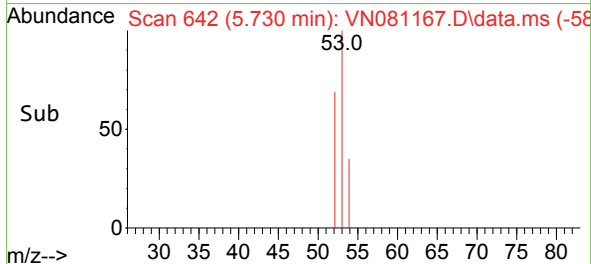
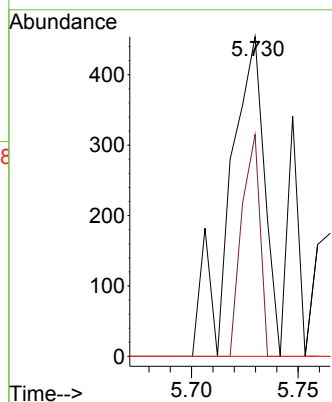
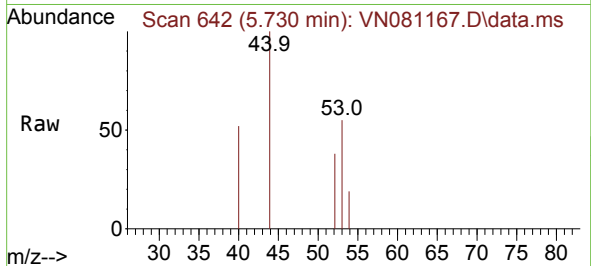




#15
Acrylonitrile
Concen: 0.332 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

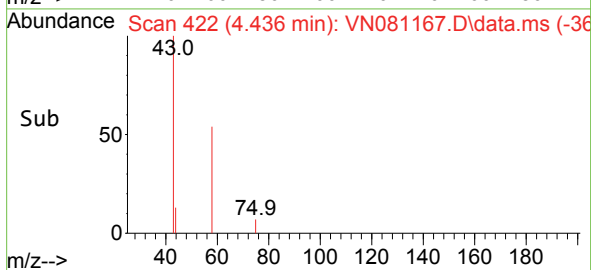
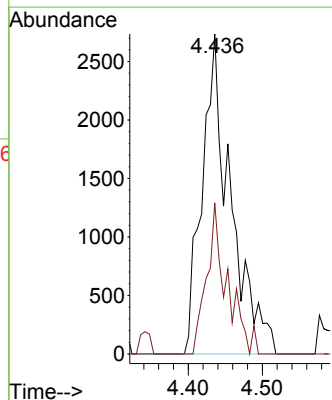
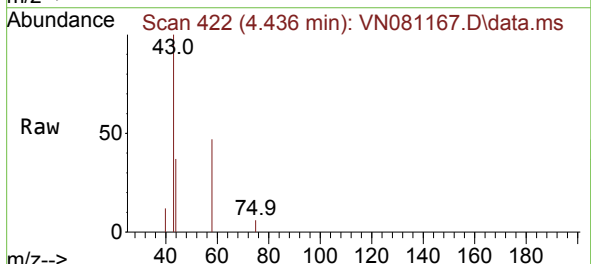
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

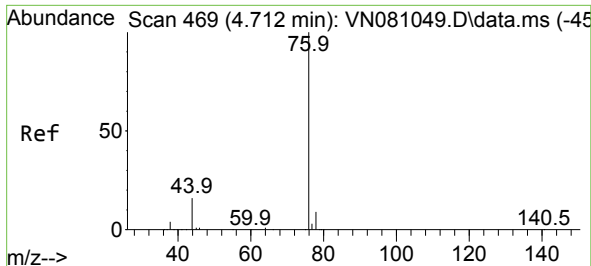
Tgt Ion: 53 Resp: 517
Ion Ratio Lower Upper
53 100
52 36.4 64.8 97.2#
51 0.0 26.9 40.3#



#16
Acetone
Concen: 5.753 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion: 43 Resp: 7337
Ion Ratio Lower Upper
43 100
58 47.2 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.428 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081167.D

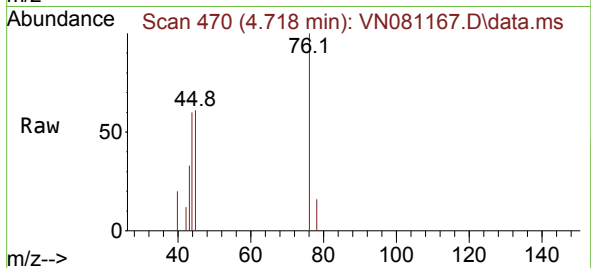
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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-195-GW-920-922

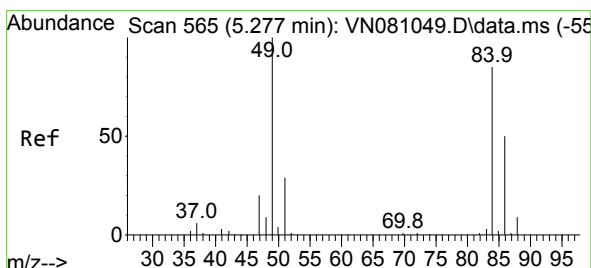
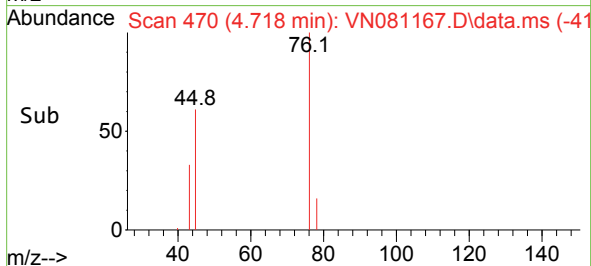
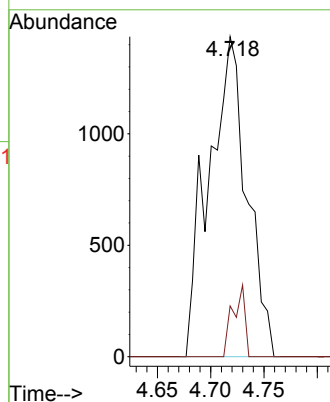


Tgt Ion: 76 Resp: 3567

Ion Ratio Lower Upper

76 100

78 15.9 6.3 9.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

Tgt Ion: 84 Resp: 212

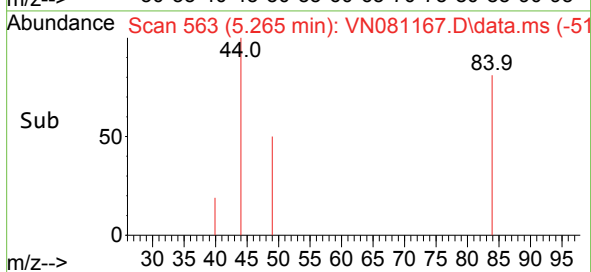
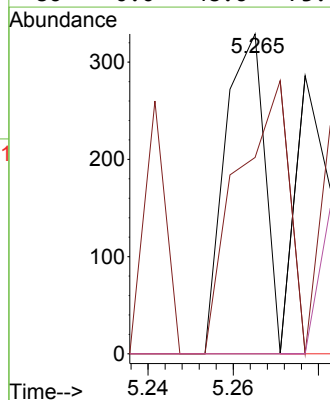
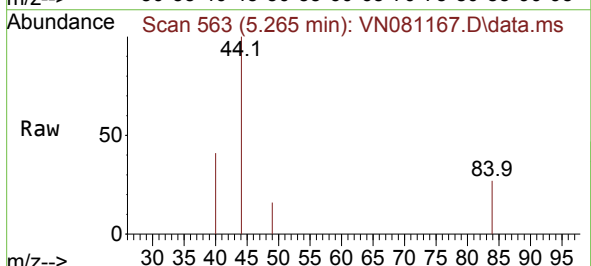
Ion Ratio Lower Upper

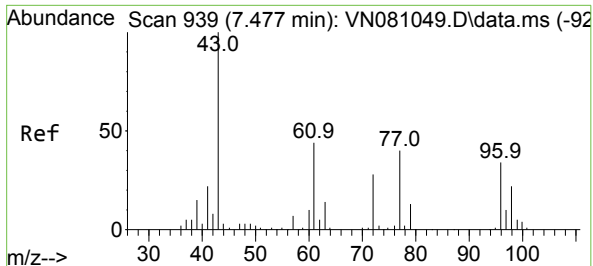
84 100

49 61.4 108.1 162.1#

51 0.0 32.9 49.3#

86 0.0 48.6 73.0#

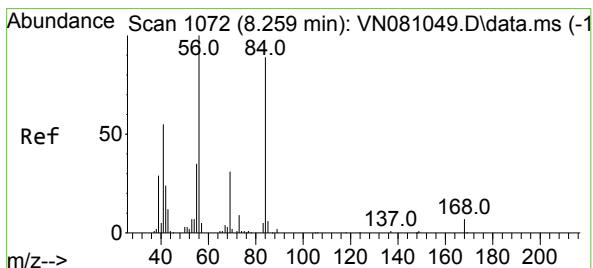
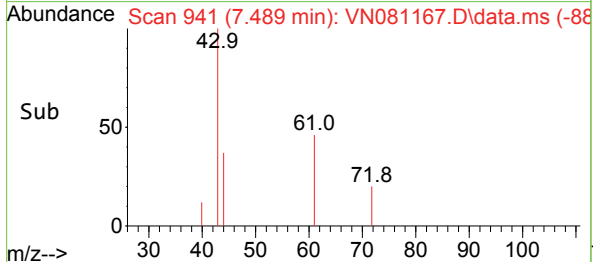
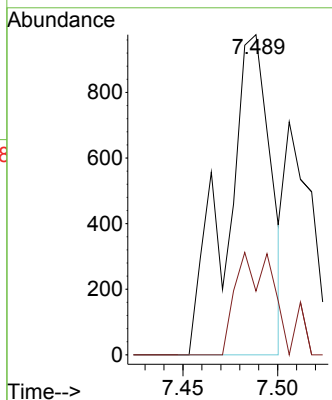
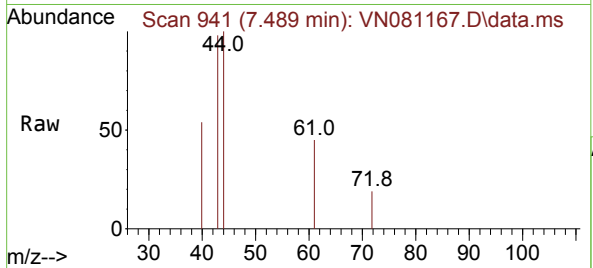




#25
2-Butanone
Concen: 0.772 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

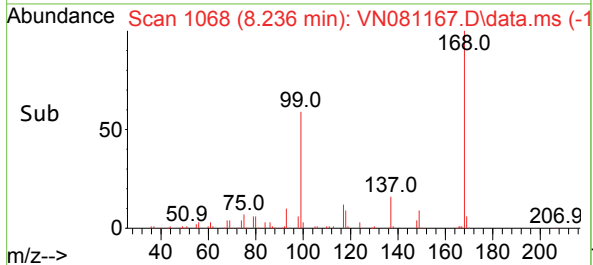
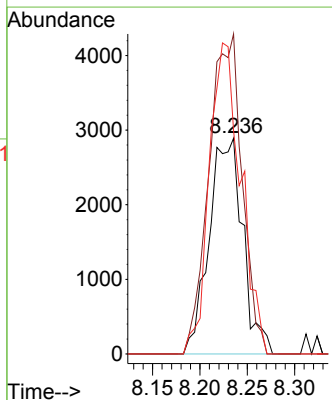
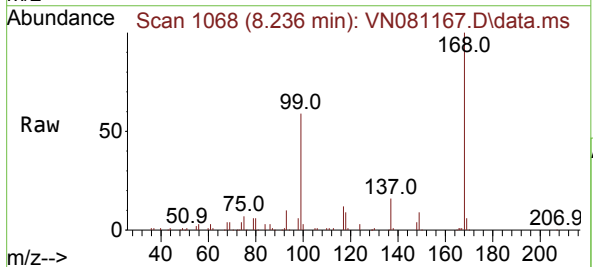
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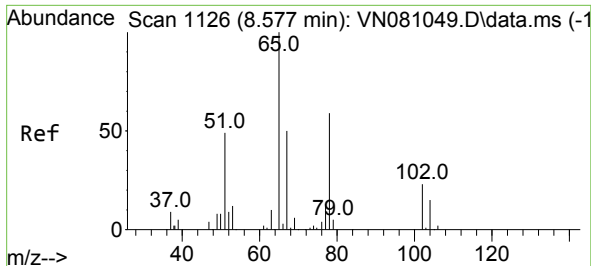
Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
72 19.9 19.5 29.3



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion: 56 Resp: 7137
Ion Ratio Lower Upper
56 100
69 148.4 20.1 30.1#
84 103.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 53.376 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

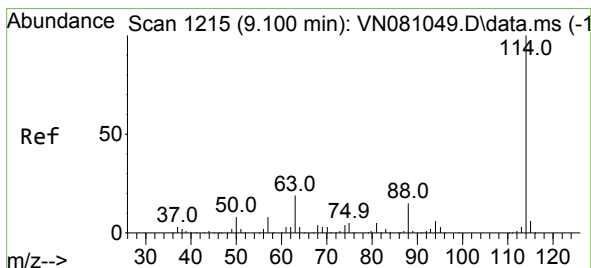
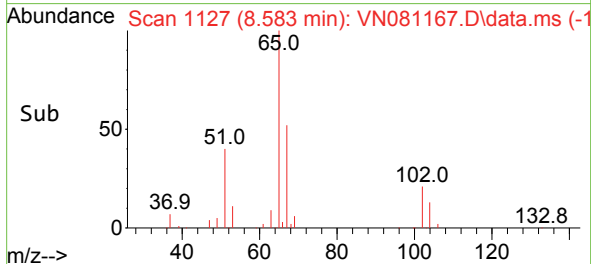
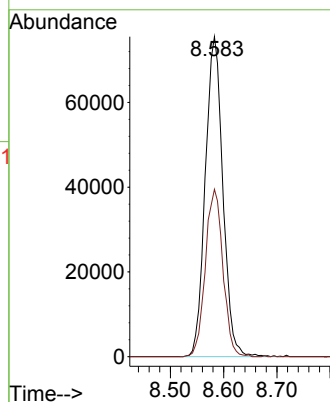
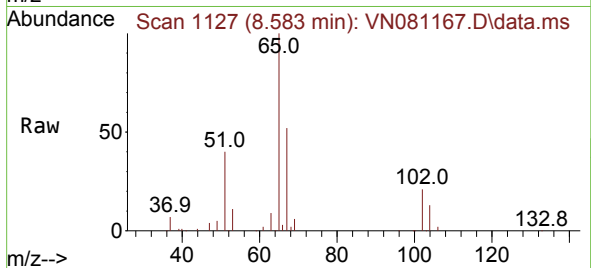
BP-VPB-195-GW-920-922

Tgt Ion: 65 Resp: 172997

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

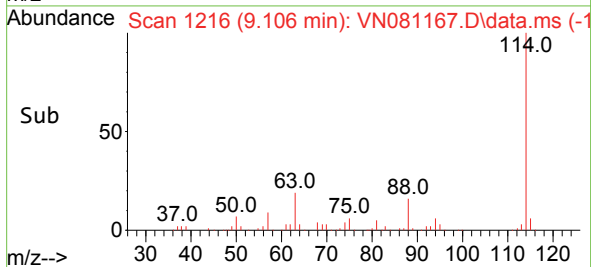
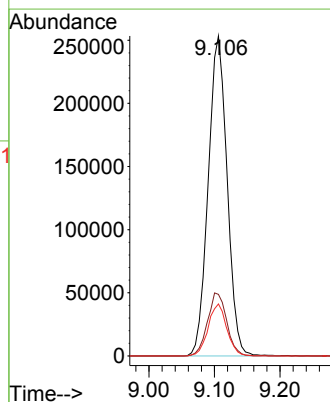
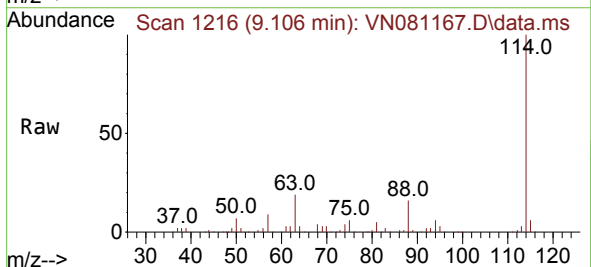
Tgt Ion:114 Resp: 507898

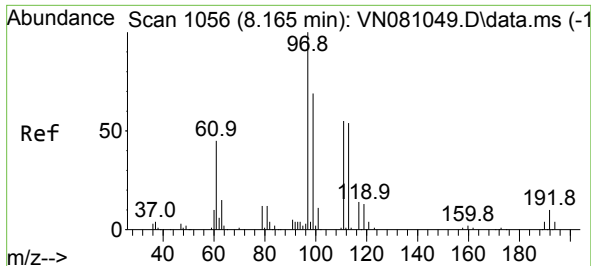
Ion Ratio Lower Upper

114 100

63 19.2 0.0 48.0

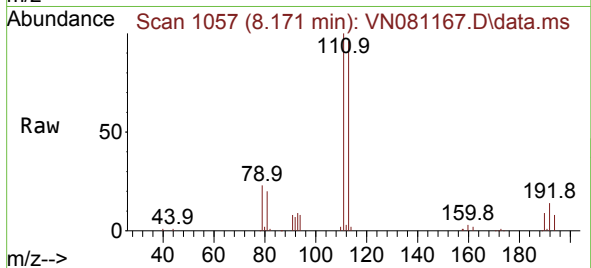
88 16.2 0.0 34.8



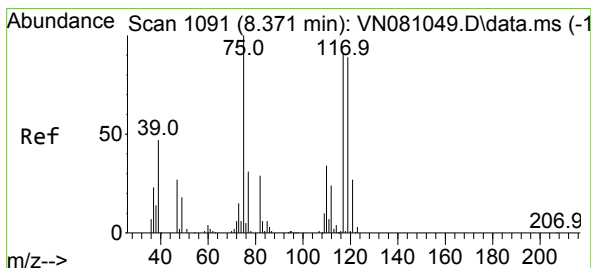
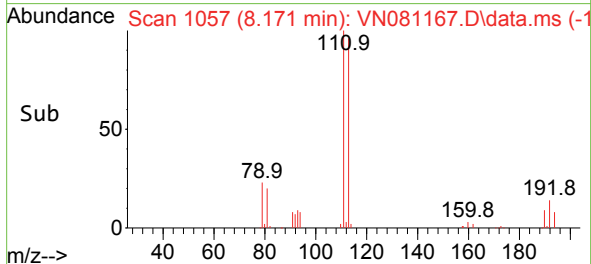
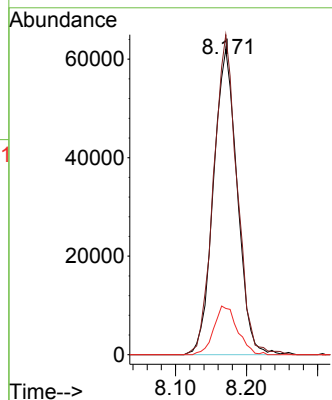


#35
Dibromofluoromethane
Concen: 50.142 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

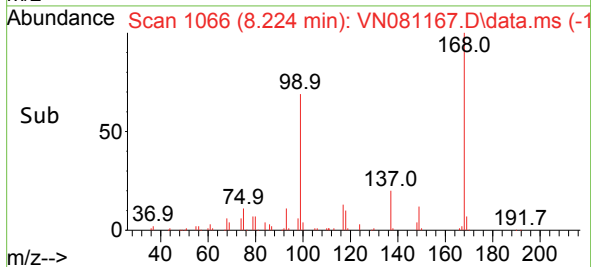
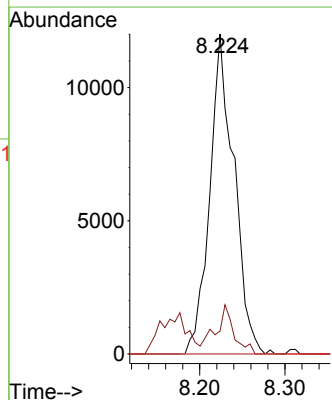
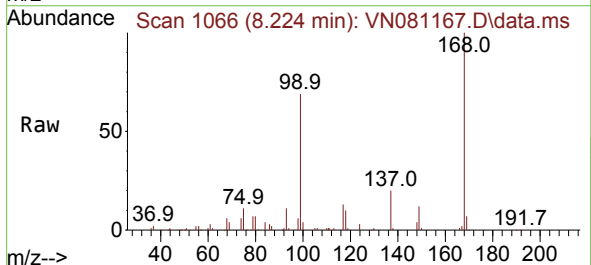


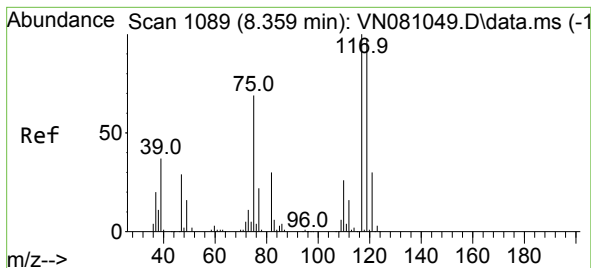
Tgt Ion:113 Resp: 144009
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 15.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion: 75 Resp: 23789
Ion Ratio Lower Upper
75 100
110 11.6 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.451 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081167.D

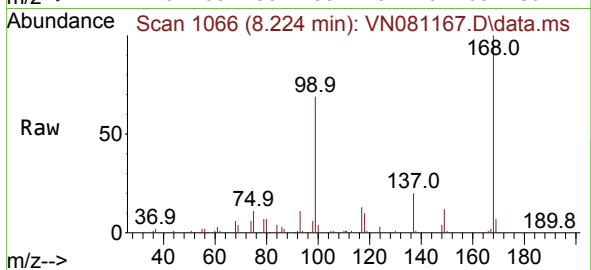
Acq: 23 Feb 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-195-GW-920-922



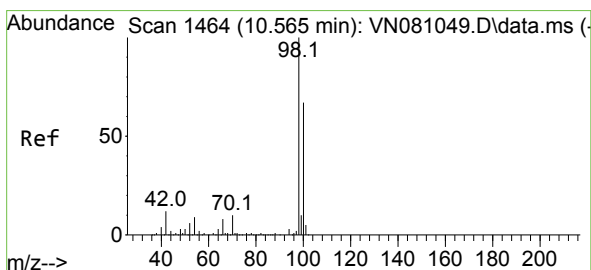
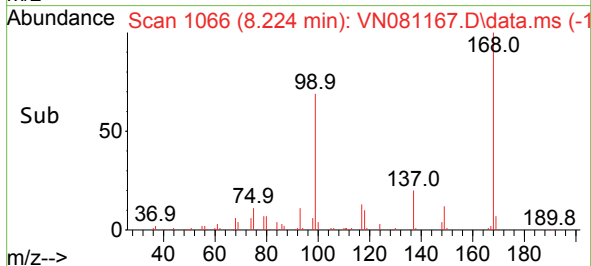
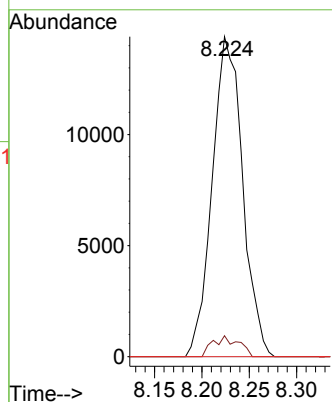
Tgt Ion:117 Resp: 32113

Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 45.232 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081167.D

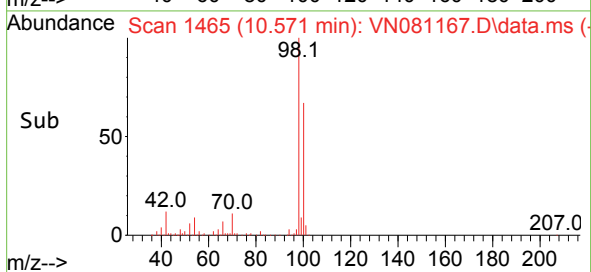
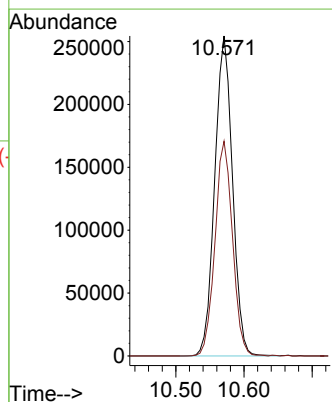
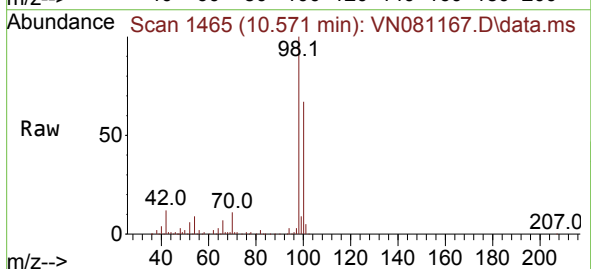
Acq: 23 Feb 2024 18:32

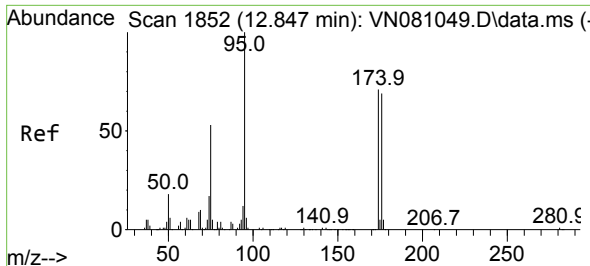
Tgt Ion: 98 Resp: 461389

Ion Ratio Lower Upper

98 100

100 66.2 51.4 77.0

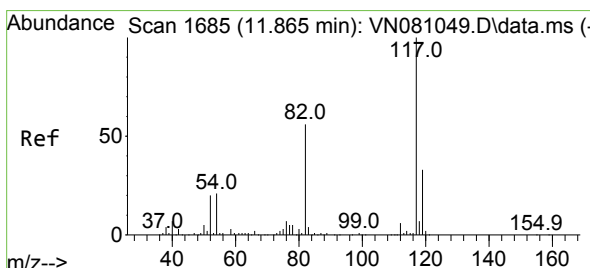
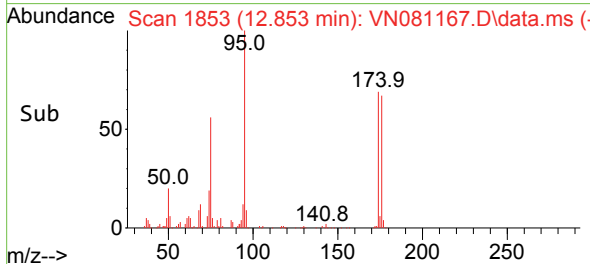
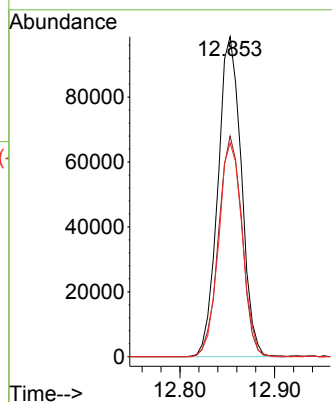
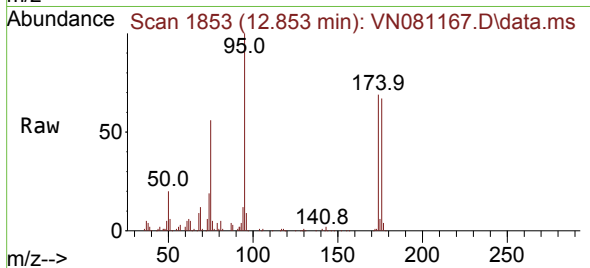




#62
4-Bromofluorobenzene
Concen: 44.297 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

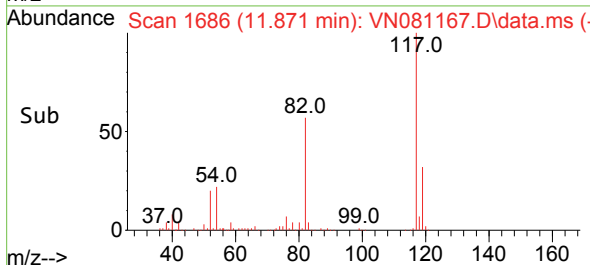
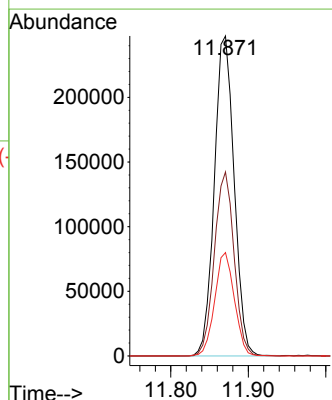
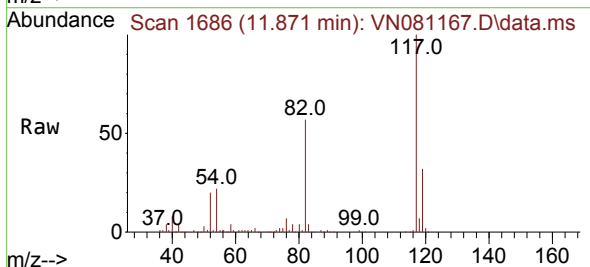
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

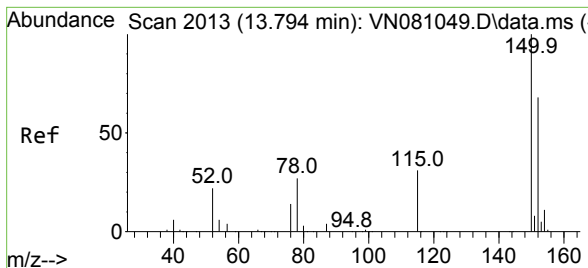
Tgt Ion: 95 Resp: 169786
Ion Ratio Lower Upper
95 100
174 68.5 0.0 120.4
176 67.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion: 117 Resp: 439553
Ion Ratio Lower Upper
117 100
82 57.5 52.7 79.1
119 32.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-195-GW-920-922

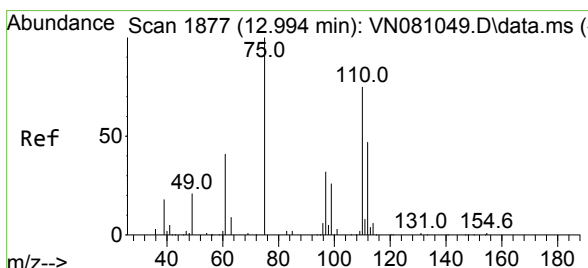
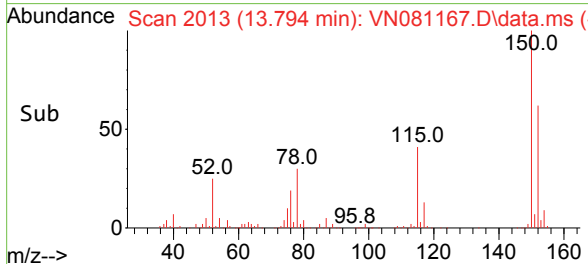
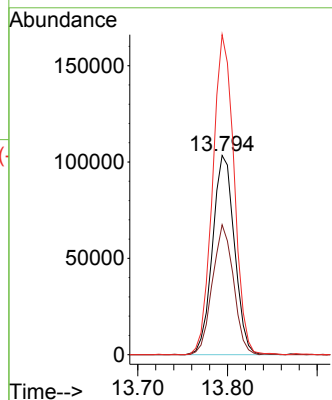
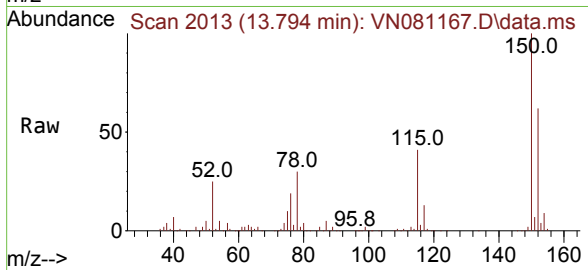
Tgt Ion:152 Resp: 175843

Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 156.8 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 22.817 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081167.D

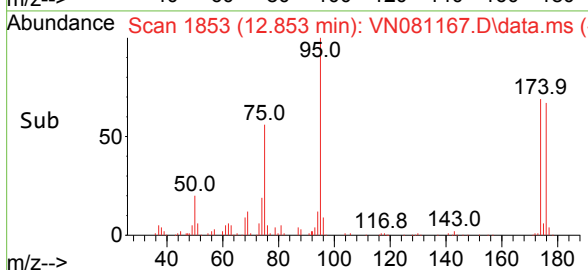
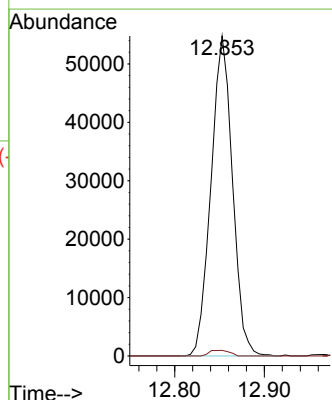
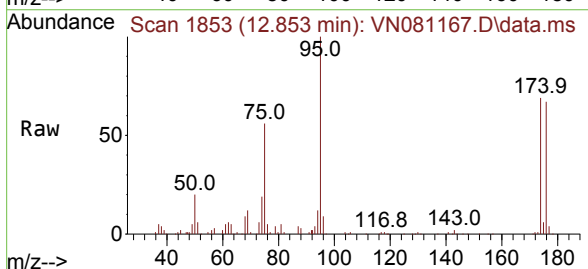
Acq: 23 Feb 2024 18:32

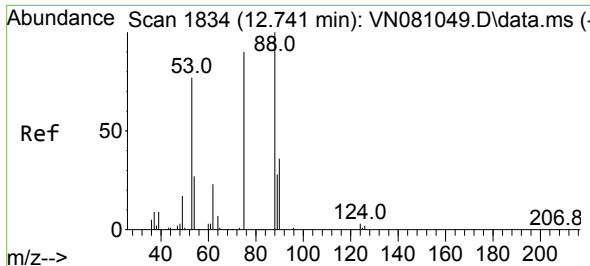
Tgt Ion: 75 Resp: 91160

Ion Ratio Lower Upper

75 100

77 1.7 91.0 272.8#

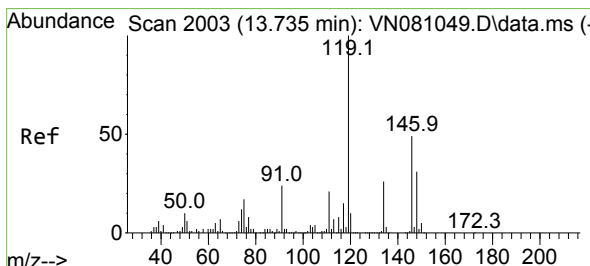
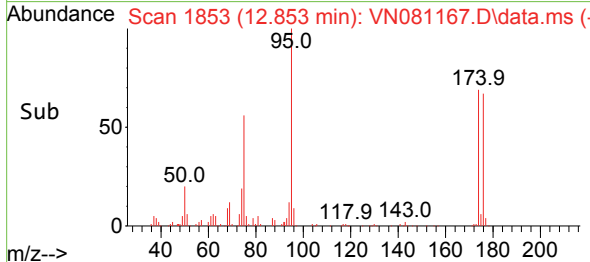
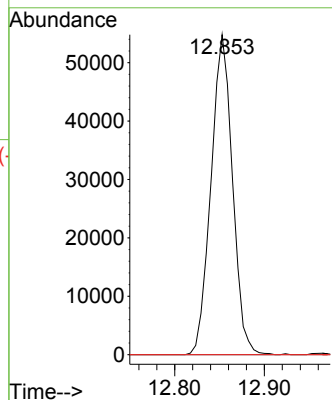
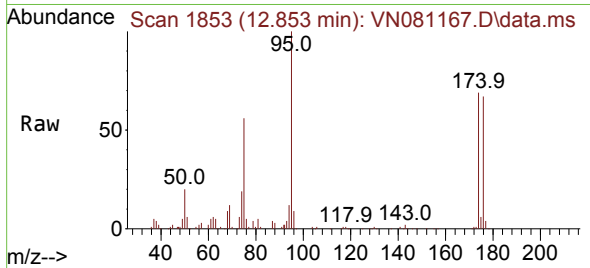




#81
trans-1,4-Dichloro-2-butene
Concen: 58.729 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

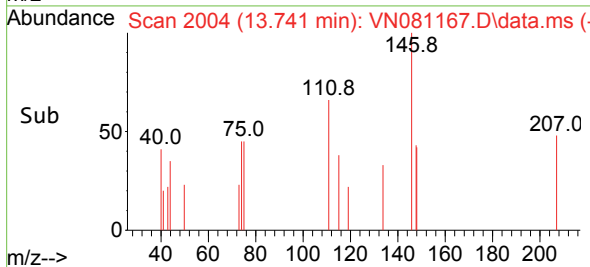
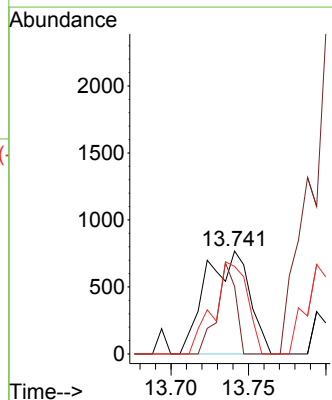
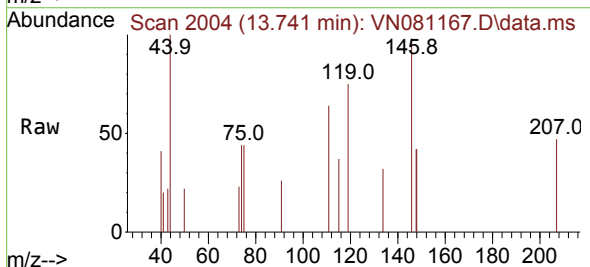
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

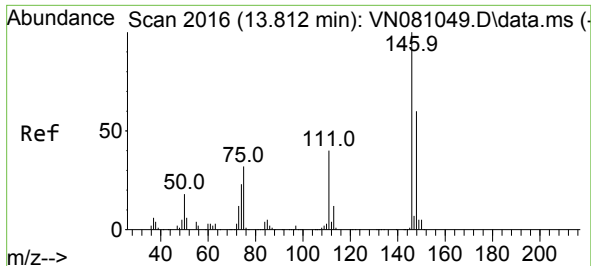
Tgt Ion: 75 Resp: 91160
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#87
1,3-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

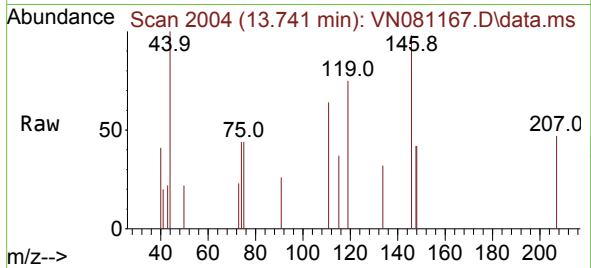
Tgt Ion:146 Resp: 1508
Ion Ratio Lower Upper
146 100
111 37.6 23.9 71.7
148 68.6 32.6 97.7



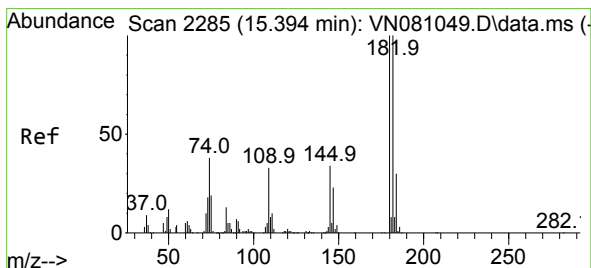
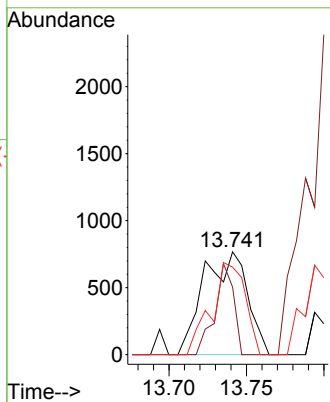
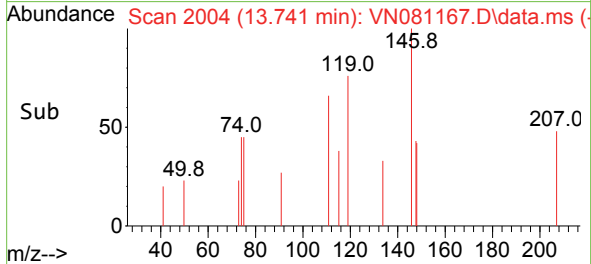


#88
1,4-Dichlorobenzene
Concen: 0.237 ug/l
RT: 13.741 min Scan# 2016
Delta R.T. -0.071 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-195-GW-920-922

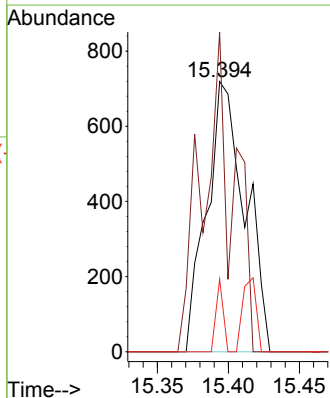
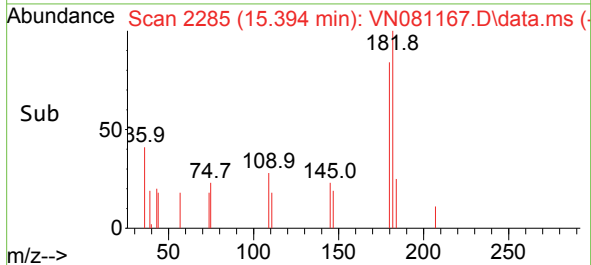
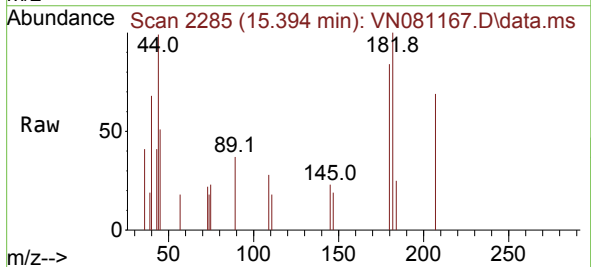


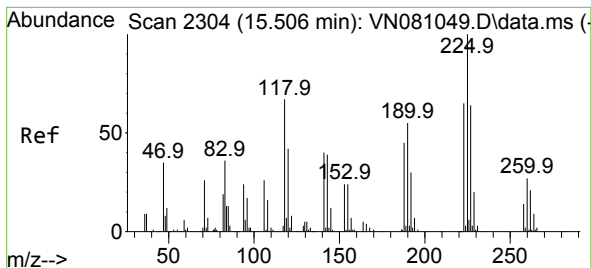
Tgt Ion:146 Resp: 1508
Ion Ratio Lower Upper
146 100
111 37.6 22.6 67.7
148 68.6 31.9 95.5



#93
1,2,4-Trichlorobenzene
Concen: 0.388 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN081167.D
Acq: 23 Feb 2024 18:32

Tgt Ion:180 Resp: 1352
Ion Ratio Lower Upper
180 100
182 94.5 46.6 139.7
145 5.0 16.8 50.3#





#94

Hexachlorobutadiene

Concen: 0.343 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-195-GW-920-922

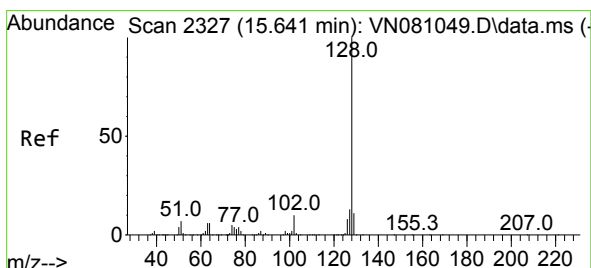
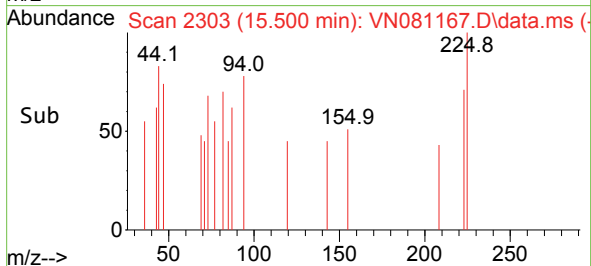
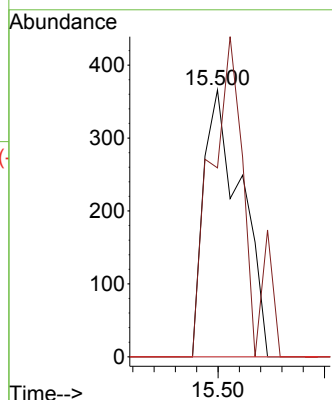
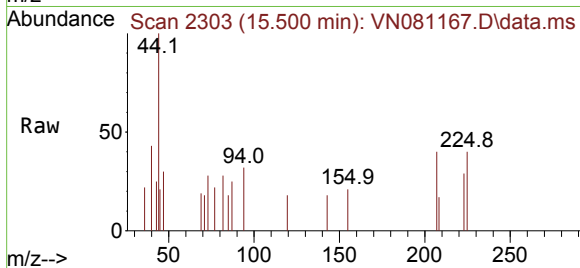
Tgt Ion:225 Resp: 446

Ion Ratio Lower Upper

225 100

223 112.1 33.3 99.8#

227 0.0 33.1 99.2#



#95

Naphthalene

Concen: 0.409 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN081167.D

Acq: 23 Feb 2024 18:32

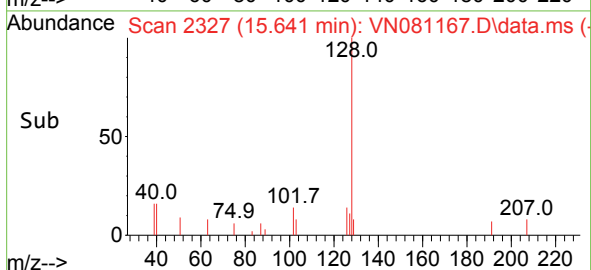
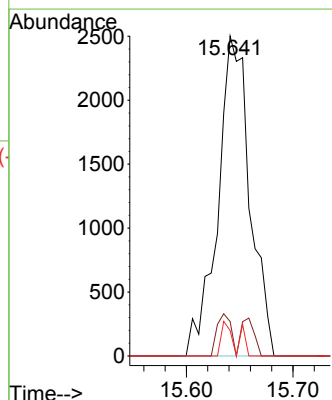
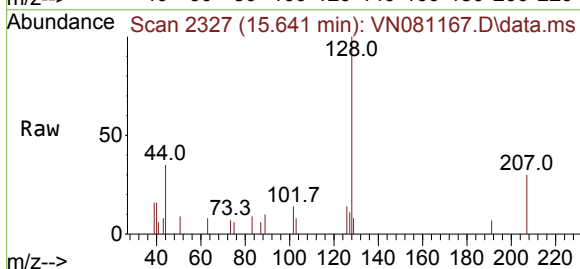
Tgt Ion:128 Resp: 5223

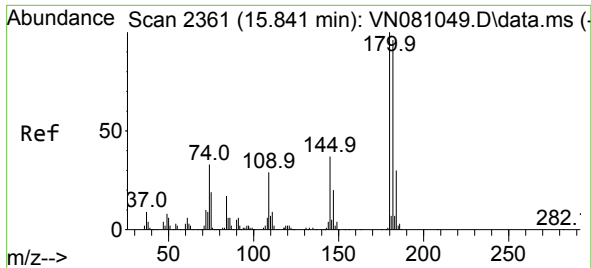
Ion Ratio Lower Upper

128 100

127 5.7 10.0 15.0#

129 3.2 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.361 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN081167.D

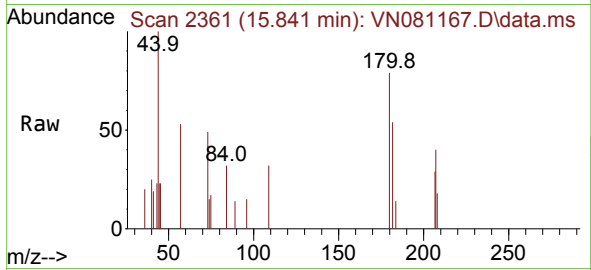
Acq: 23 Feb 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-195-GW-920-922



Tgt Ion:180 Resp: 1248

Ion Ratio Lower Upper

180 100

182 84.4 46.5 139.3

145 7.3 17.8 53.4#

