

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060724\
 Data File : VN082484.D
 Acq On : 07 Jun 2024 11:46
 Operator : JC\MD
 Sample : P2772-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-98-100

Quant Time: Jun 08 00:55:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

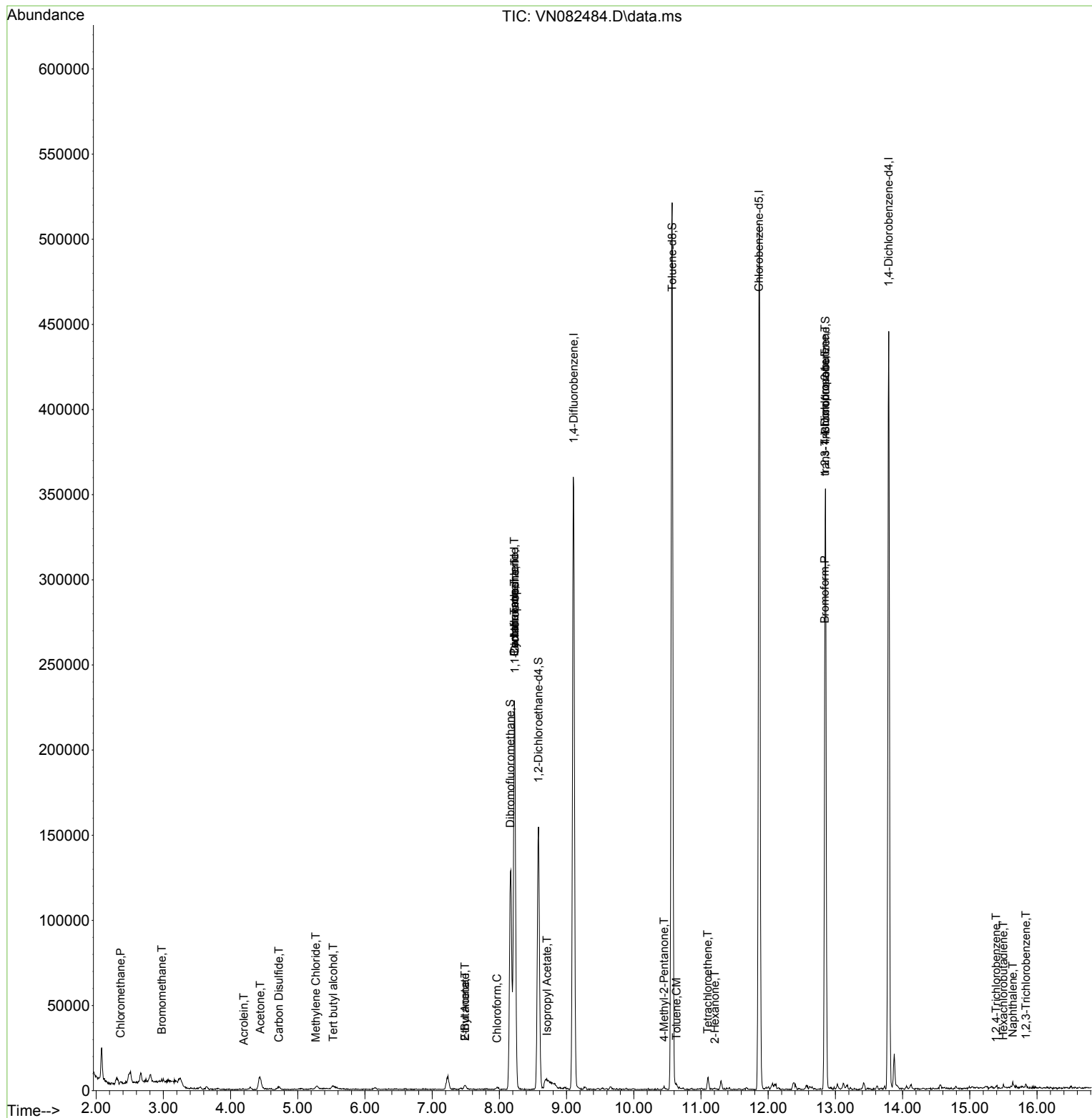
Internal Standards						
1) Pentafluorobenzene	8.224	168	155528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	283889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126148	51.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.740%			
35) Dibromofluoromethane	8.165	113	92302	52.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	10.571	98	342316	51.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.260%			
62) 4-Bromofluorobenzene	12.853	95	112605	47.120	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.240%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1061	0.418	ug/l #	85
5) Bromomethane	2.977	94	851	0.620	ug/l	91
11) Tert butyl alcohol	5.530	59	2490	6.316	ug/l #	71
13) Acrolein	4.200	56	64	0.219	ug/l #	1
16) Acetone	4.442	43	14298	14.193	ug/l	92
17) Carbon Disulfide	4.718	76	1817	0.331	ug/l #	74
20) Methylene Chloride	5.271	84	1302	0.641	ug/l #	73
25) 2-Butanone	7.488	43	5199	3.404	ug/l #	70
28) Bromochloromethane	7.800	49	54	Below Cal	#	10
30) Chloroform	7.965	83	1380	0.369	ug/l	99
31) Cyclohexane	8.224	56	4816	1.228	ug/l #	28
36) 1,1-Dichloropropene	8.230	75	14781	5.047	ug/l #	49
37) Ethyl Acetate	7.488	43	5199	1.586	ug/l #	68
38) Carbon Tetrachloride	8.224	117	17105	5.761	ug/l #	17
43) Isopropyl Acetate	8.712	43	8923	1.536	ug/l #	52
51) 4-Methyl-2-Pentanone	10.453	43	1486	0.450	ug/l #	60
52) Toluene	10.635	92	1344	0.256	ug/l #	73
59) 2-Hexanone	11.206	43	661	0.274	ug/l #	35
64) Tetrachloroethene	11.100	164	1640	0.815	ug/l #	76
71) Bromoform	12.841	173	370	0.933	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65916	28.408	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65916	66.445	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.394	180	598	0.298	ug/l #	87
94) Hexachlorobutadiene	15.500	225	495	0.562	ug/l #	65
95) Naphthalene	15.641	128	3297	0.524	ug/l	95
96) 1,2,3-Trichlorobenzene	15.835	180	719	0.358	ug/l #	76

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060724\
Data File : VN082484.D
Acq On : 07 Jun 2024 11:46
Operator : JC\MD
Sample : P2772-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

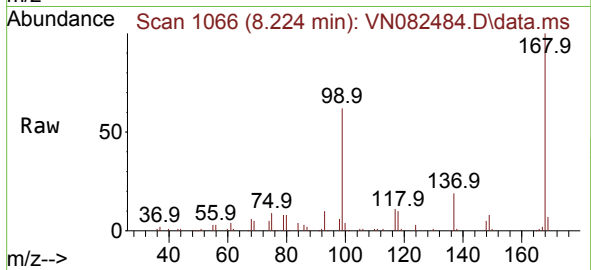
Quant Time: Jun 08 00:55:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



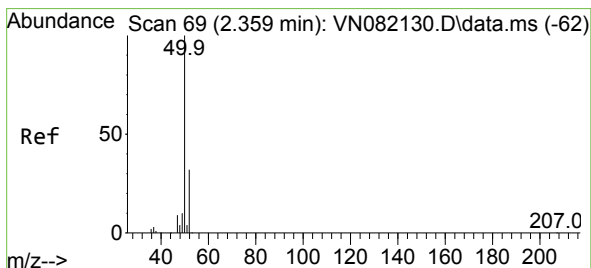
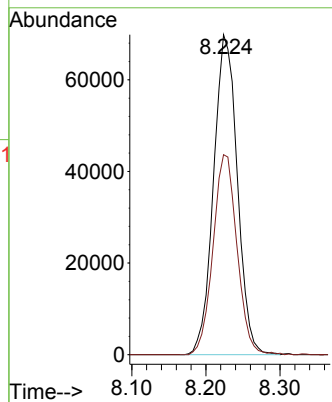
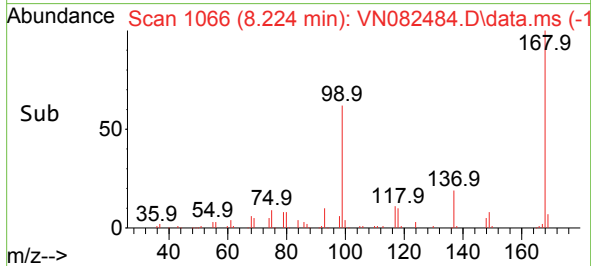


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

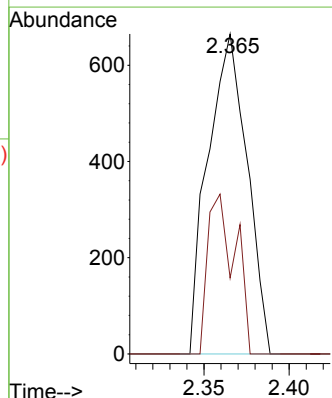
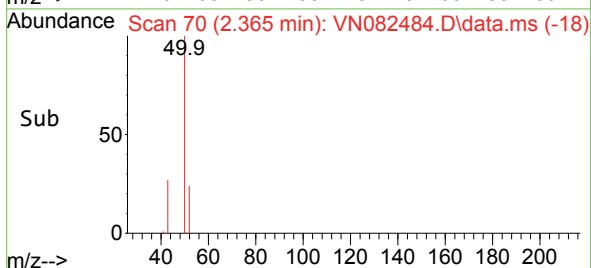
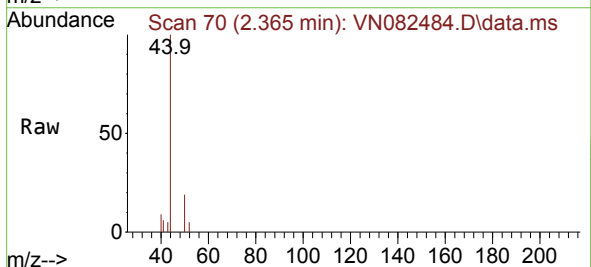


Tgt Ion:168 Resp: 155528
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#3
Chloromethane
Concen: 0.418 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 50 Resp: 1061
Ion Ratio Lower Upper
50 100
52 23.8 25.5 38.3#

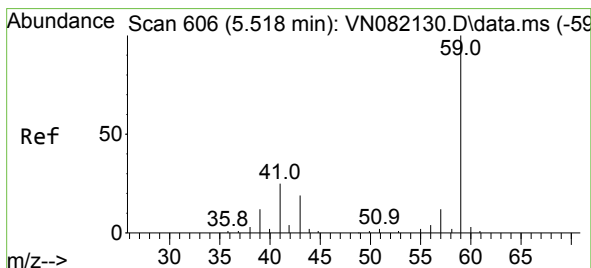
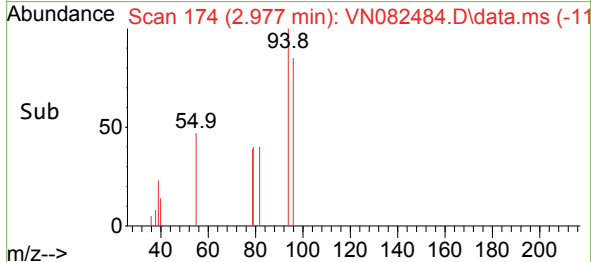
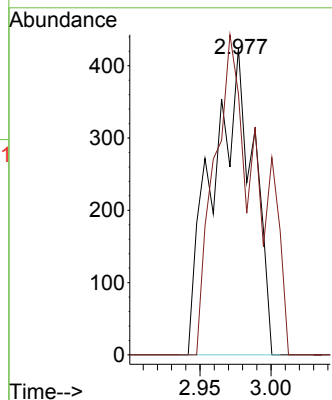
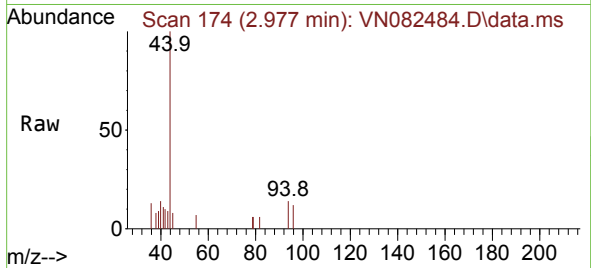




#5
Bromomethane
Concen: 0.620 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

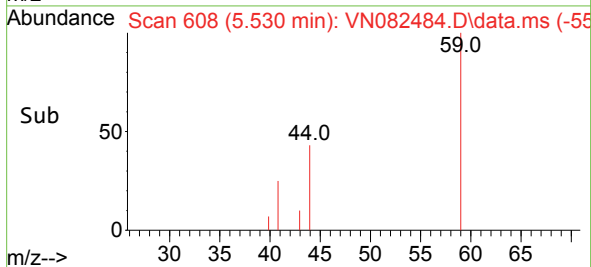
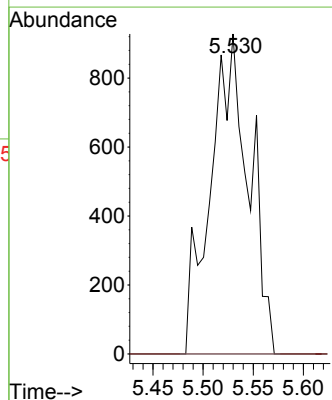
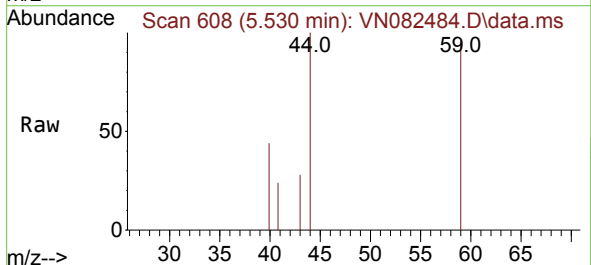
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

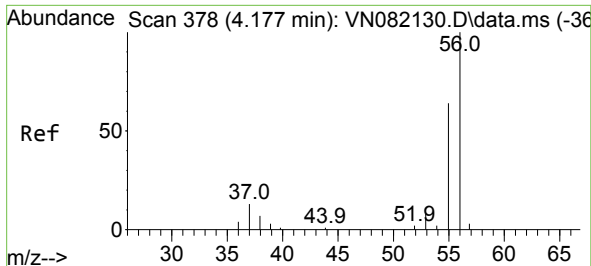
Tgt Ion: 94 Resp: 851
Ion Ratio Lower Upper
94 100
96 84.9 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.316 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 59 Resp: 2490
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

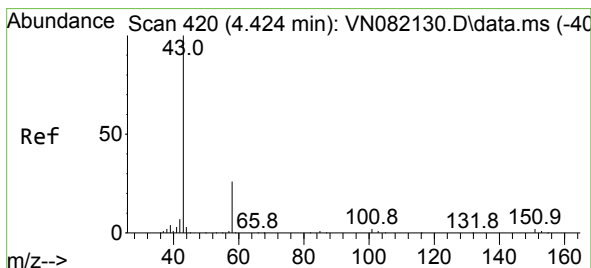
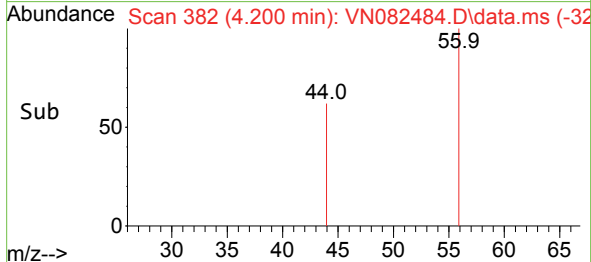
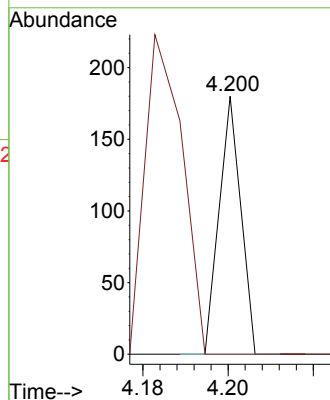
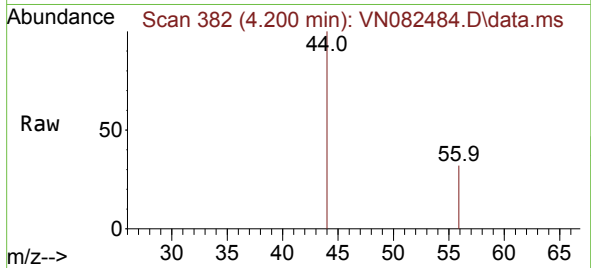




#13
Acrolein
Concen: 0.219 ug/l
RT: 4.200 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

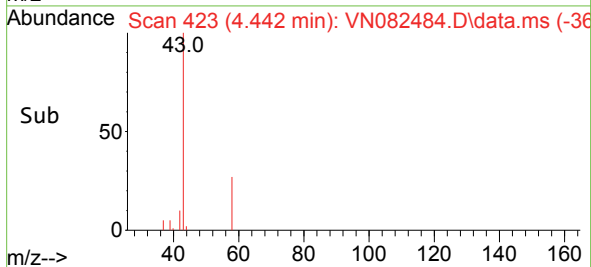
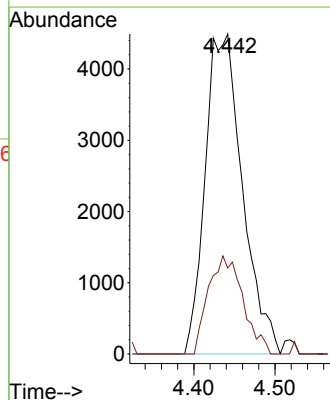
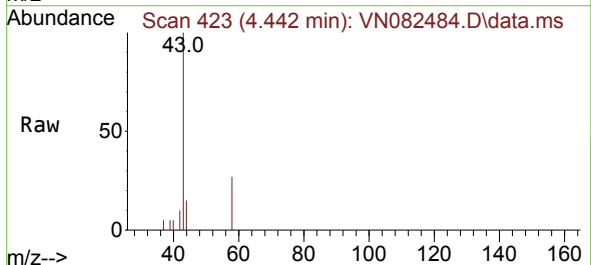
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

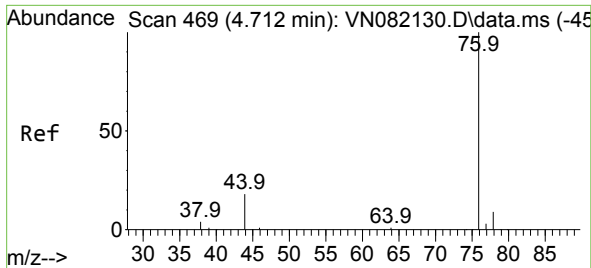
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 212.5 55.8 83.8#



#16
Acetone
Concen: 14.193 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 43 Resp: 14298
Ion Ratio Lower Upper
43 100
58 26.9 25.2 37.8

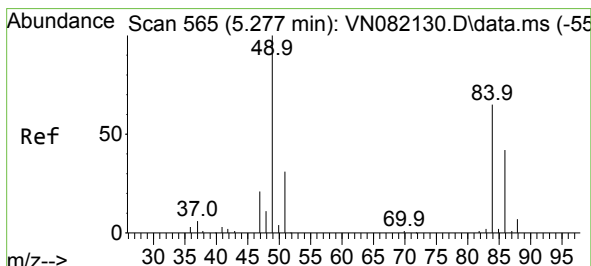
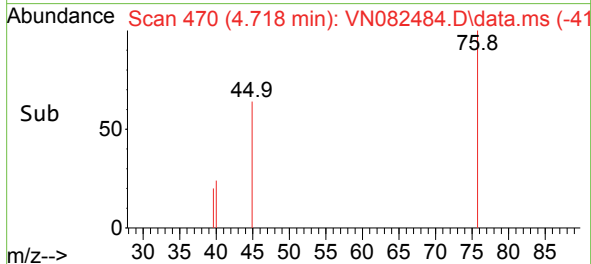
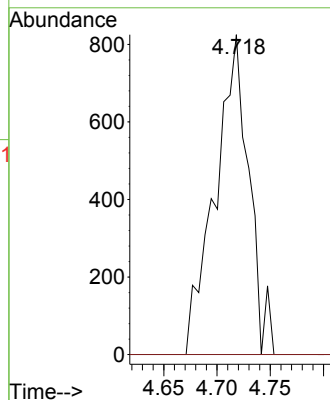
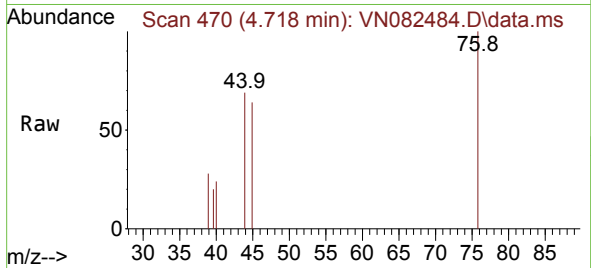




#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

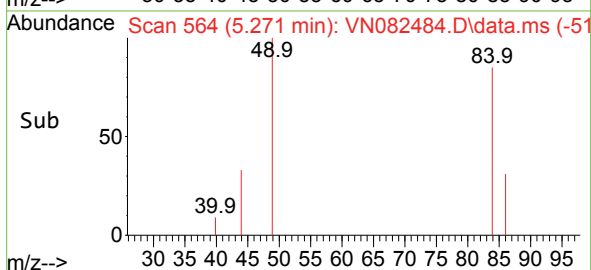
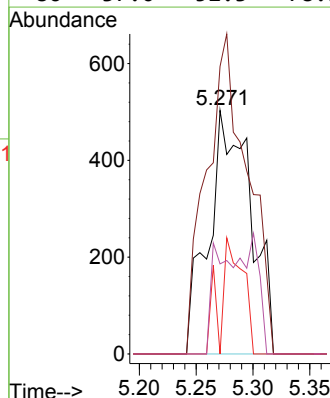
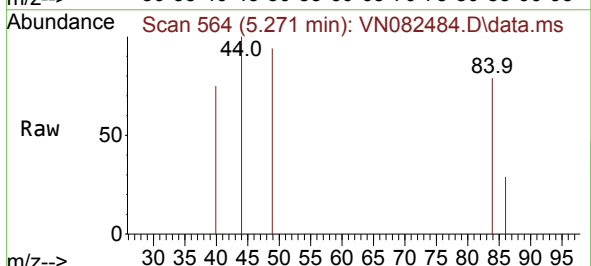
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

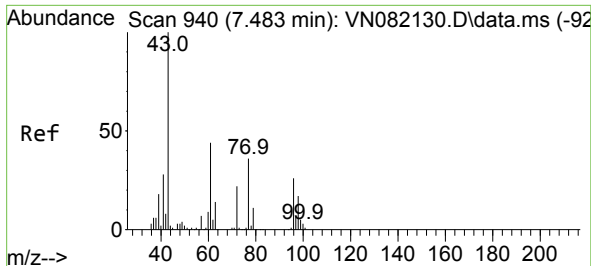
Tgt Ion: 76 Resp: 1817
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 0.641 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 84 Resp: 1302
Ion Ratio Lower Upper
84 100
49 118.1 84.9 127.3
51 0.0 27.0 40.6#
86 37.0 52.3 78.5#

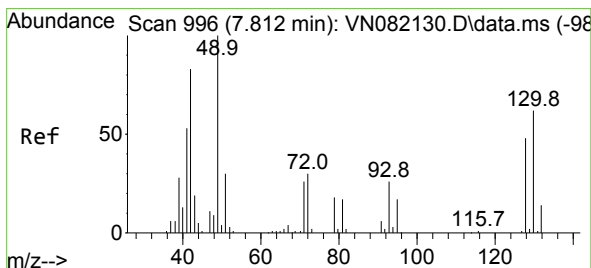
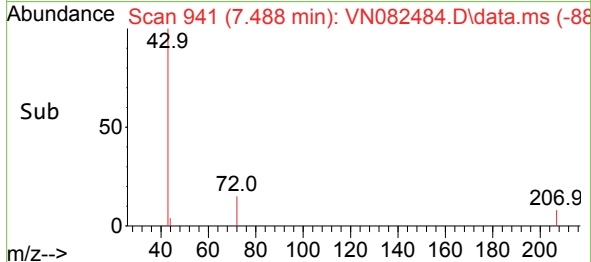
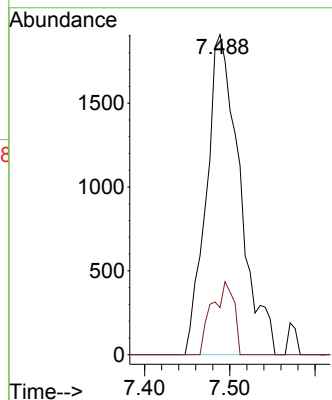
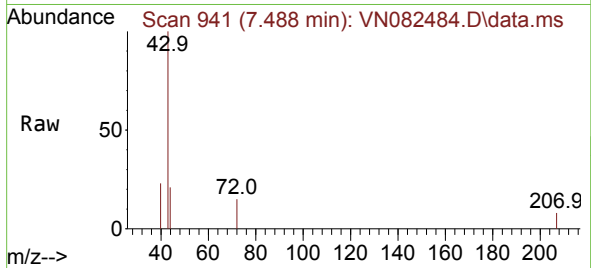




#25
2-Butanone
Concen: 3.404 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

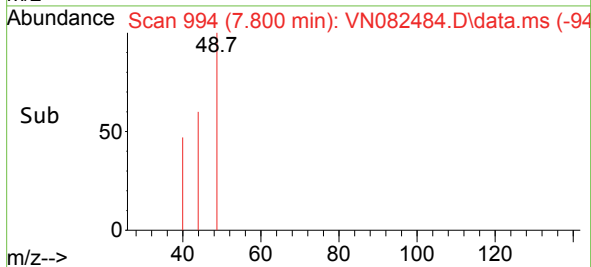
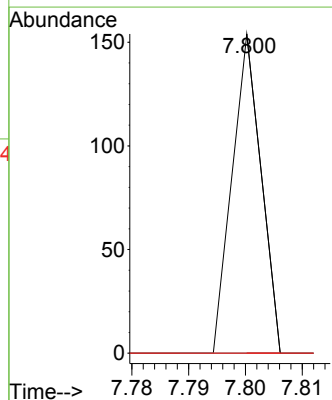
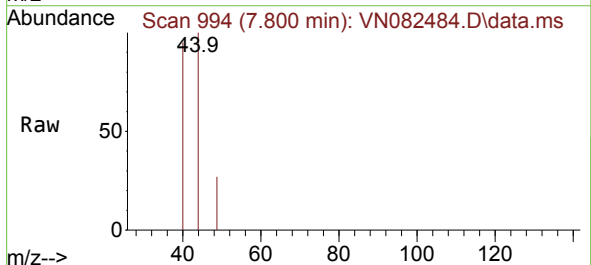
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

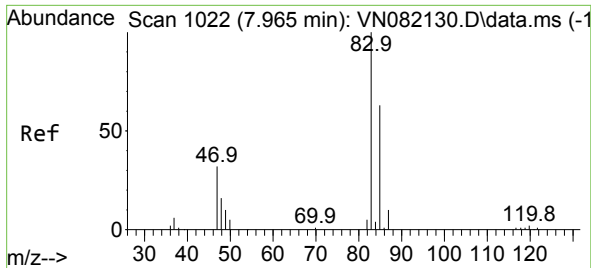
Tgt Ion: 43 Resp: 5199
Ion Ratio Lower Upper
43 100
72 14.7 25.3 37.9#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.800 min Scan# 994
Delta R.T. -0.012 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 66.7 100.1#

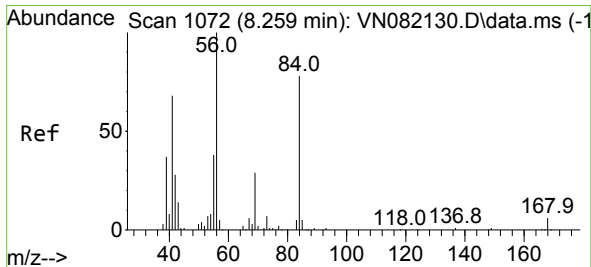
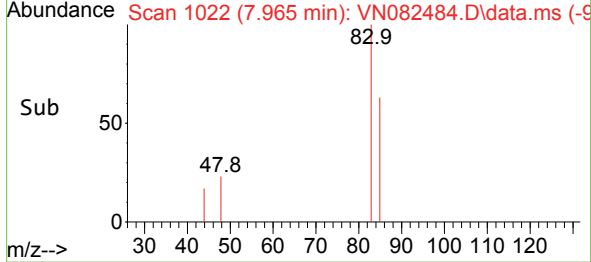
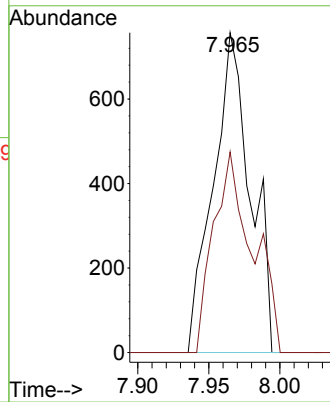
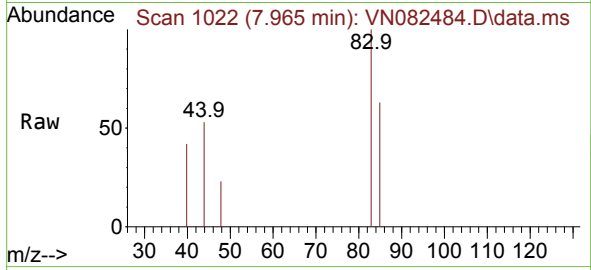




#30
Chloroform
Concen: 0.369 ug/l
RT: 7.965 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

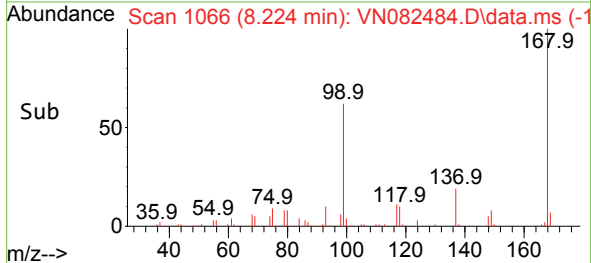
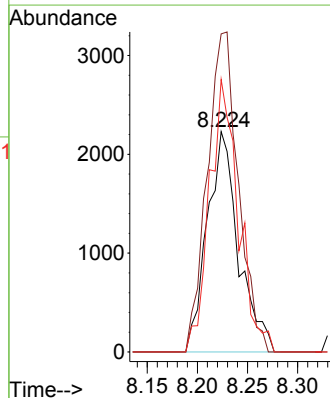
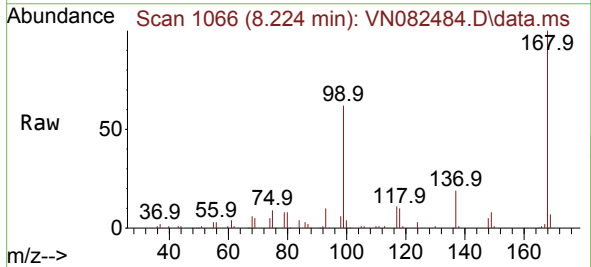
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

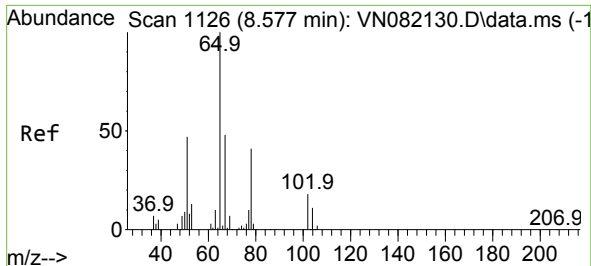
Tgt Ion: 83 Resp: 1380
Ion Ratio Lower Upper
83 100
85 62.7 50.7 76.1



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 56 Resp: 4816
Ion Ratio Lower Upper
56 100
69 144.3 24.4 36.6#
84 123.7 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 51.367 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082484.D

Acq: 07 Jun 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

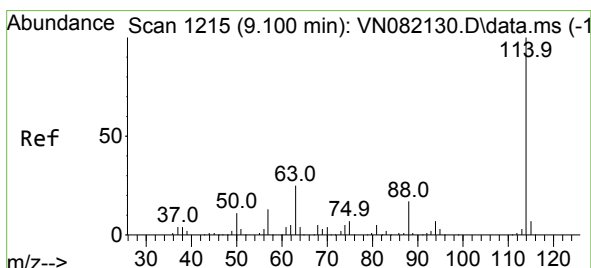
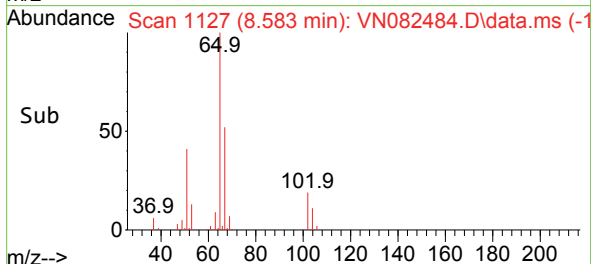
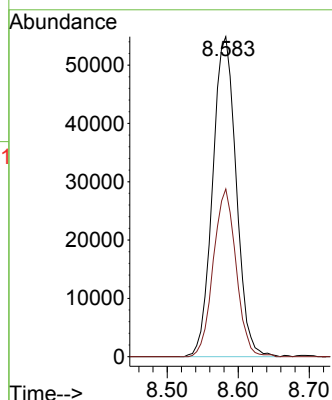
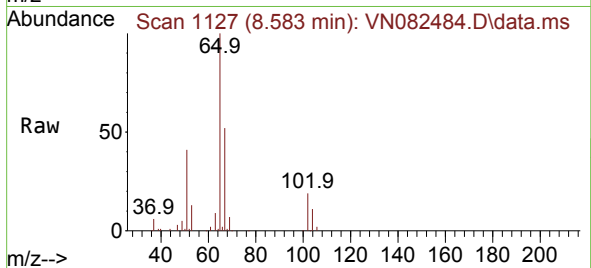
BP-VPB-189-GW-98-100

Tgt Ion: 65 Resp: 126148

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082484.D

Acq: 07 Jun 2024 11:46

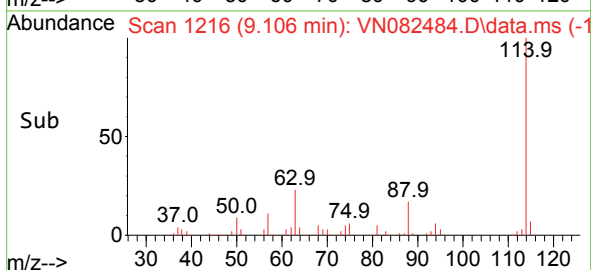
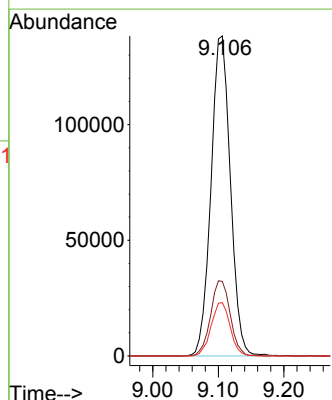
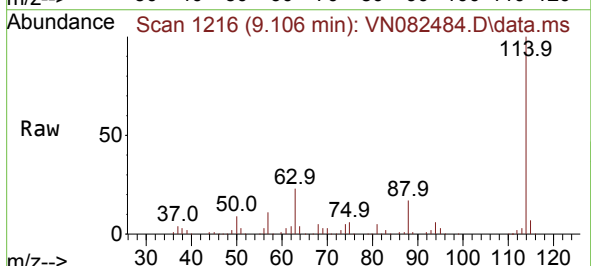
Tgt Ion: 114 Resp: 283889

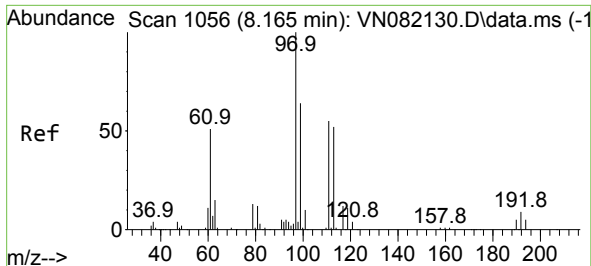
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

88 16.6 0.0 31.4

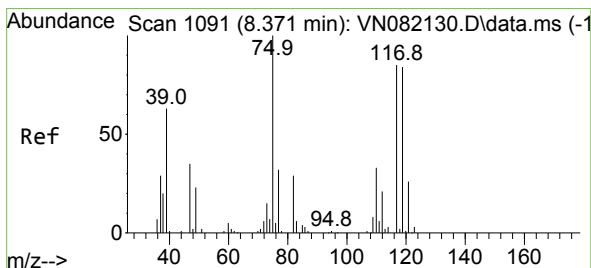
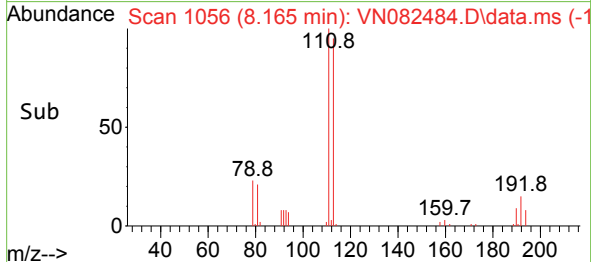
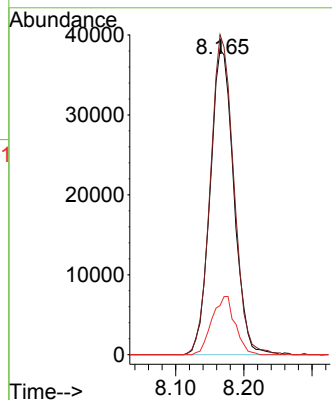
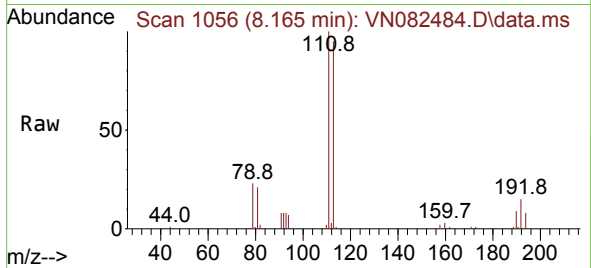




#35
Dibromofluoromethane
Concen: 52.854 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

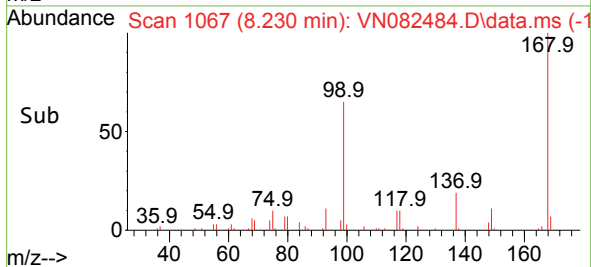
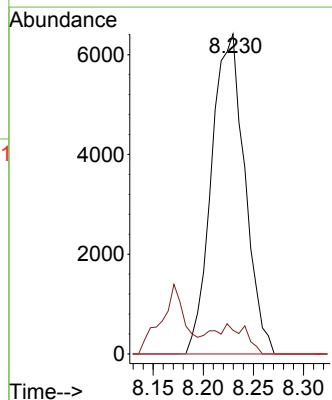
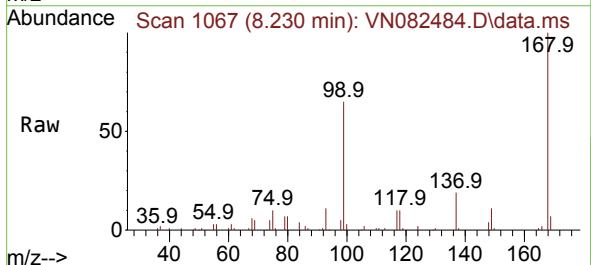
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

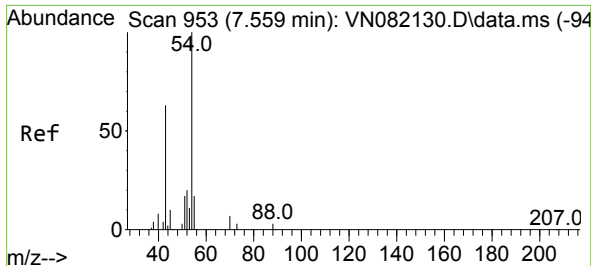
Tgt Ion:113 Resp: 92302
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.2
192 18.6 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

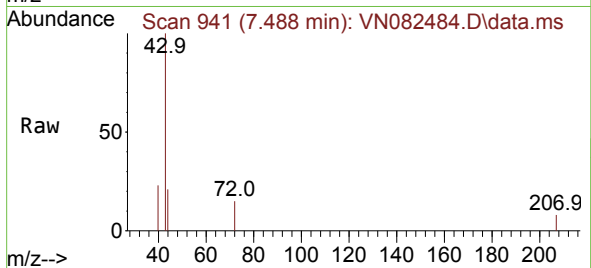
Tgt Ion: 75 Resp: 14781
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 25.0 37.4#



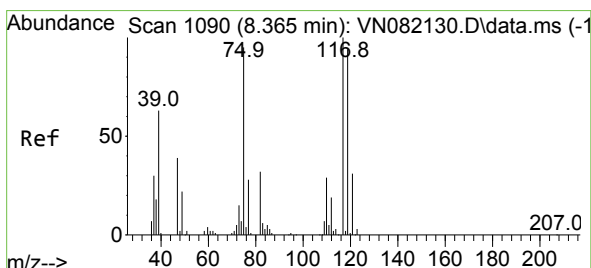
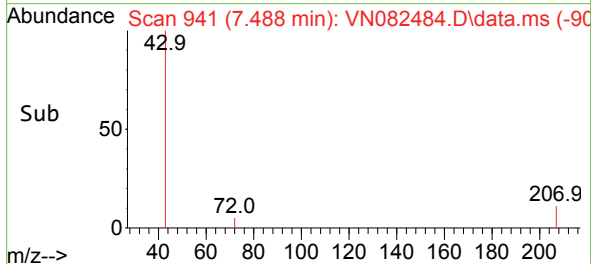
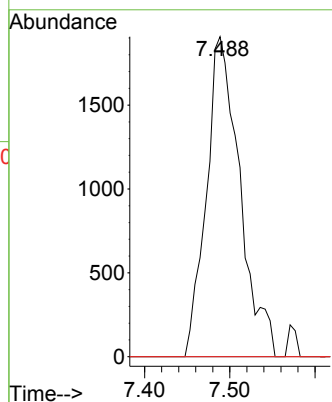


#37
Ethyl Acetate
Concen: 1.586 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

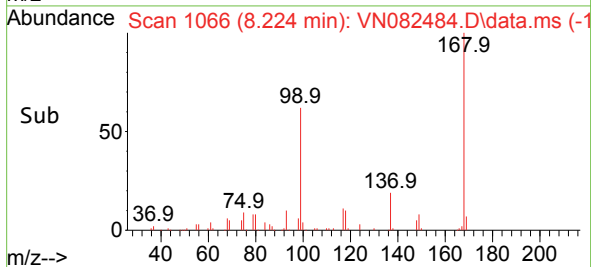
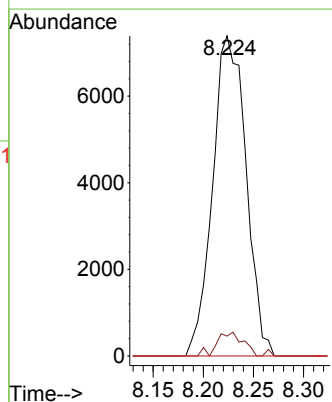
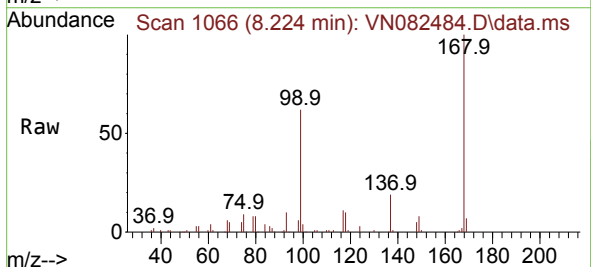


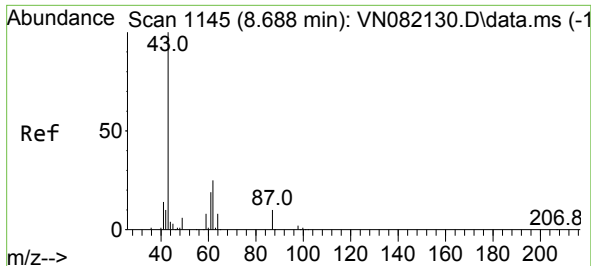
Tgt Ion: 43 Resp: 5199
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

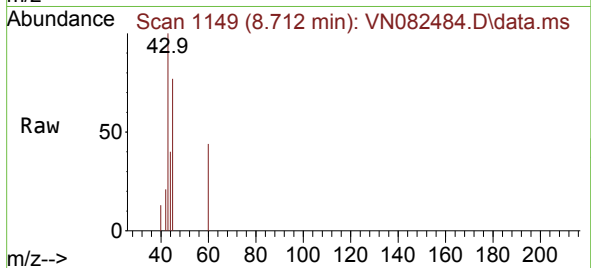
Tgt Ion: 117 Resp: 17105
Ion Ratio Lower Upper
117 100
119 6.2 76.5 114.7#
121 0.0 23.9 35.9#



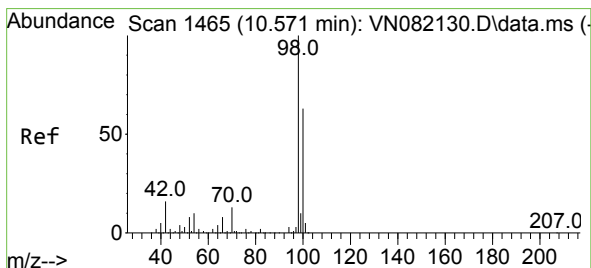
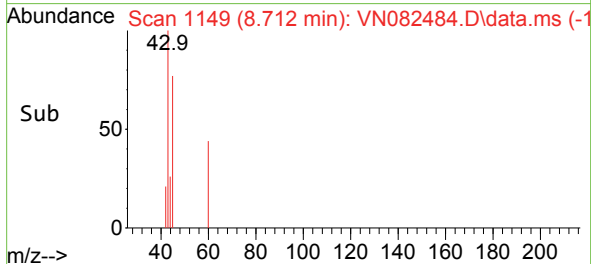
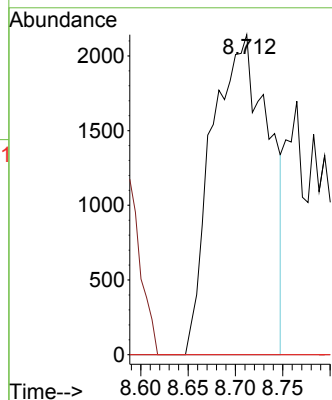


#43
Isopropyl Acetate
Concen: 1.536 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

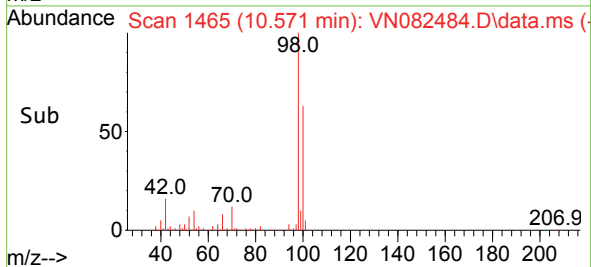
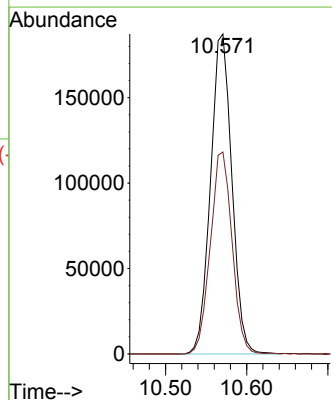
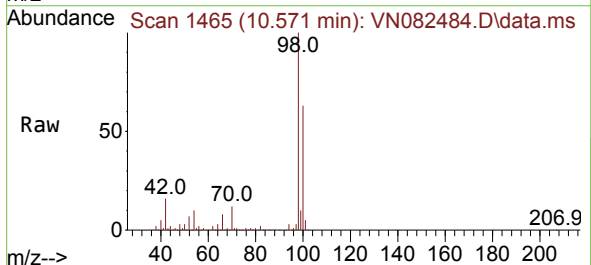


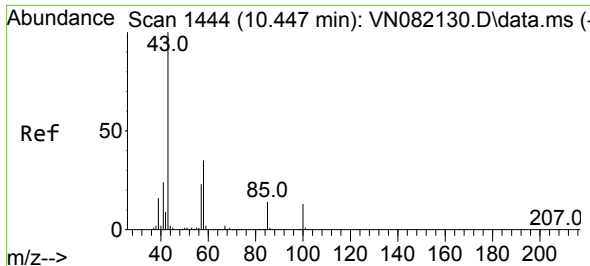
Tgt Ion: 43 Resp: 8923
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.127 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 98 Resp: 342316
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6

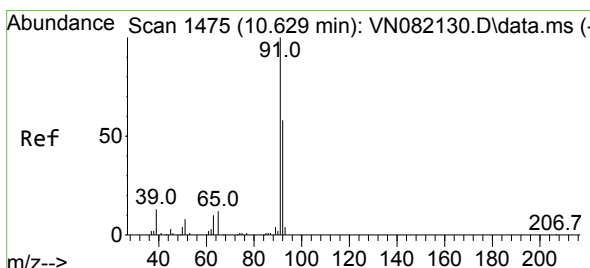
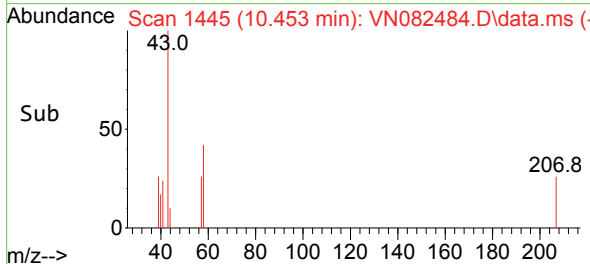
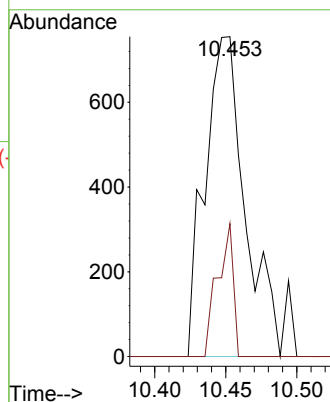
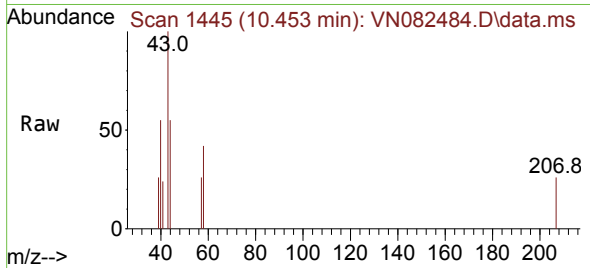




#51
4-Methyl-2-Pentanone
Concen: 0.450 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

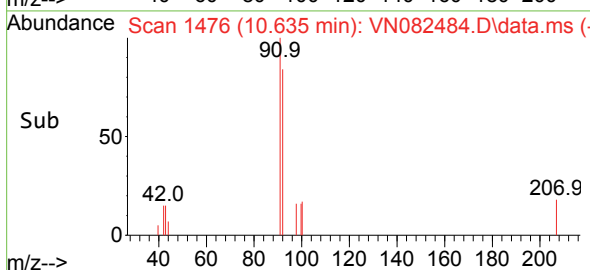
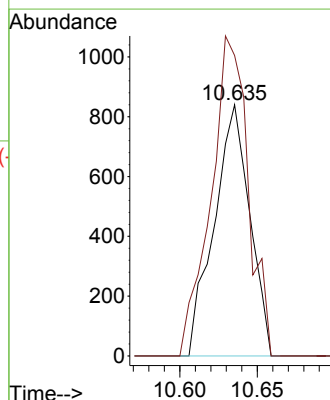
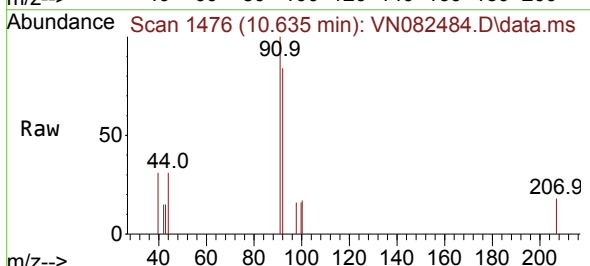
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

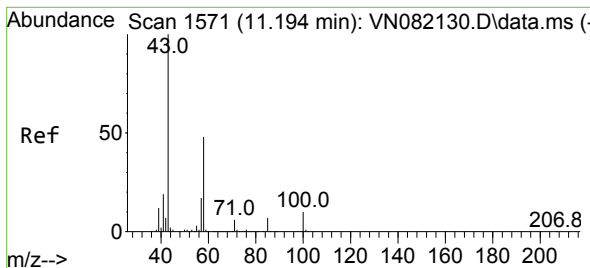
Tgt Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
58 16.3 33.2 49.8#



#52
Toluene
Concen: 0.256 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 92 Resp: 1344
Ion Ratio Lower Upper
92 100
91 133.2 136.7 205.1#

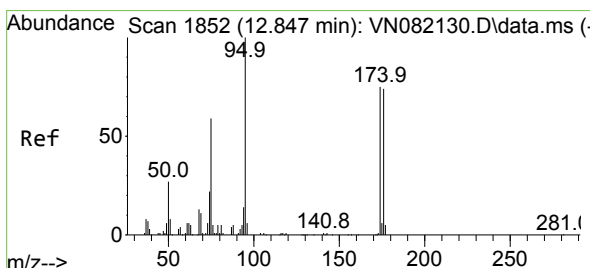
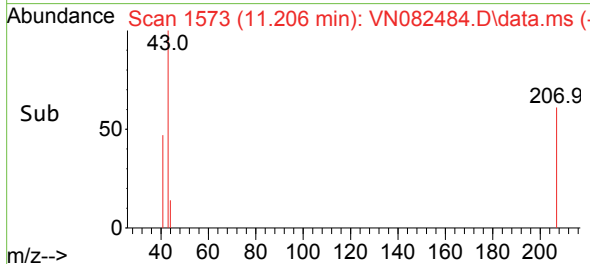
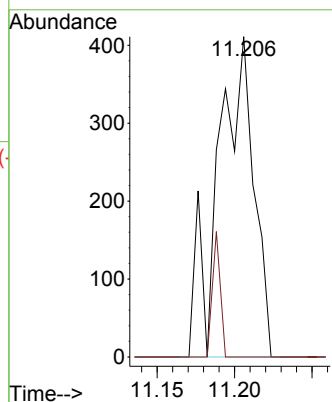
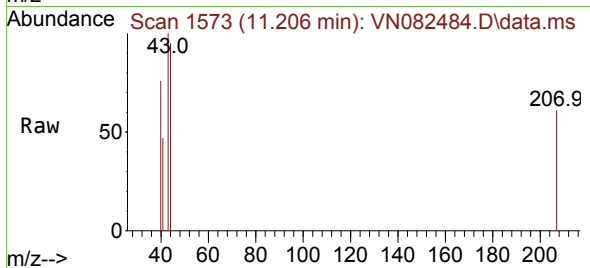




#59
2-Hexanone
Concen: 0.274 ug/l
RT: 11.206 min Scan# 1157
Delta R.T. 0.012 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

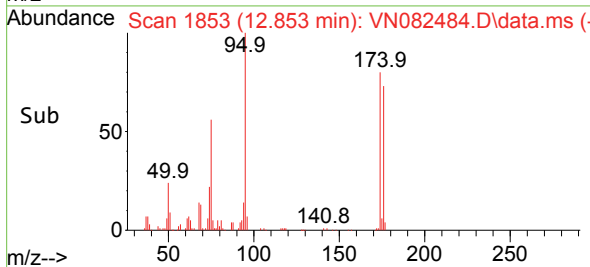
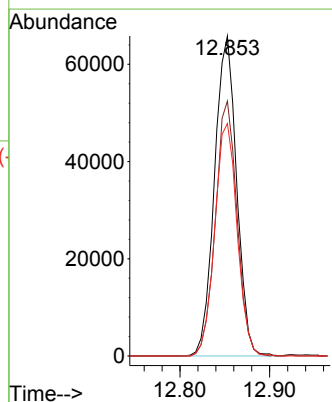
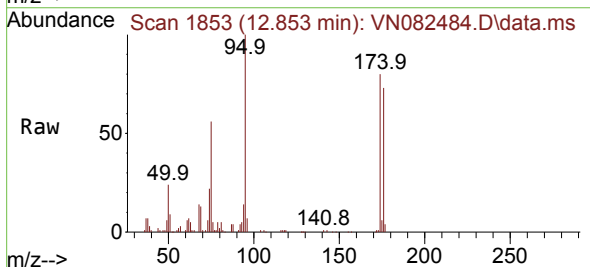
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

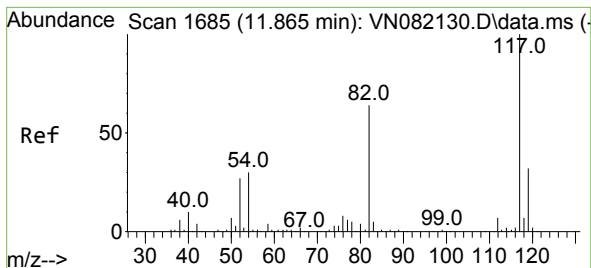
Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
58 8.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 47.120 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion: 95 Resp: 112605
Ion Ratio Lower Upper
95 100
174 77.9 0.0 160.6
176 73.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082484.D

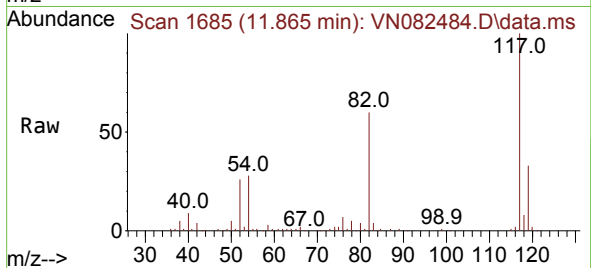
Acq: 07 Jun 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-98-100



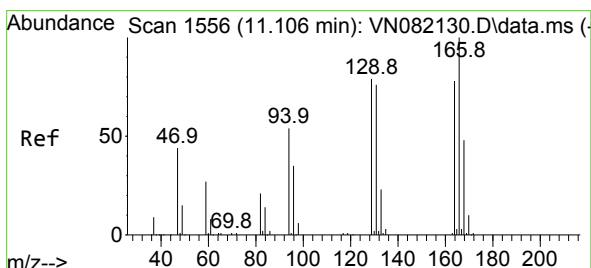
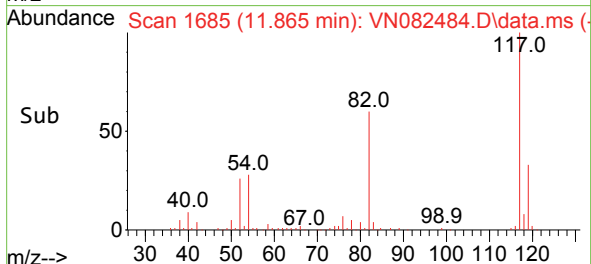
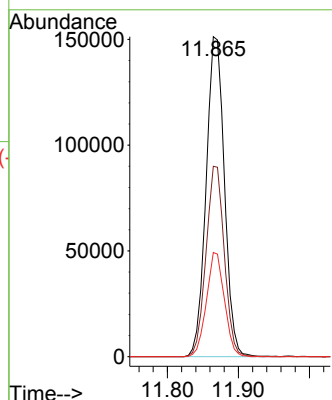
Tgt Ion:117 Resp: 271355

Ion Ratio Lower Upper

117 100

82 59.5 44.6 66.8

119 32.6 25.9 38.9



#64

Tetrachloroethene

Concen: 0.815 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VN082484.D

Acq: 07 Jun 2024 11:46

Tgt Ion:164 Resp: 1640

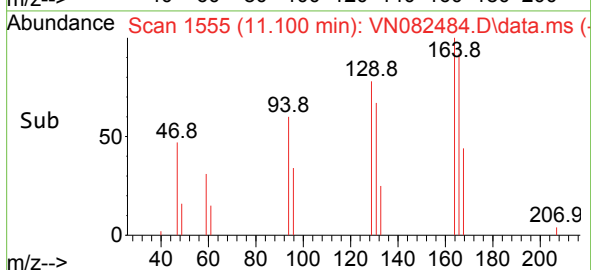
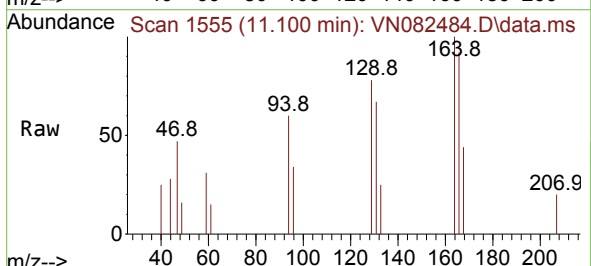
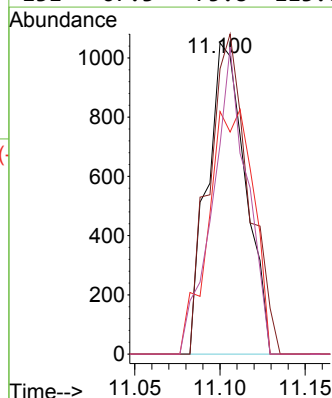
Ion Ratio Lower Upper

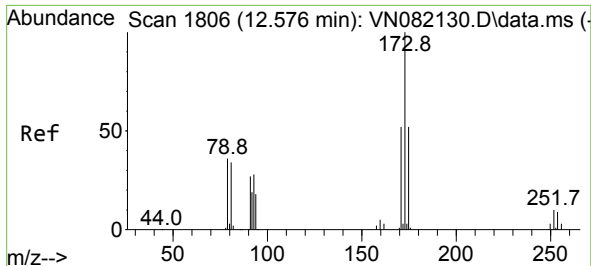
164 100

166 91.6 97.6 146.4#

129 77.9 73.7 110.5

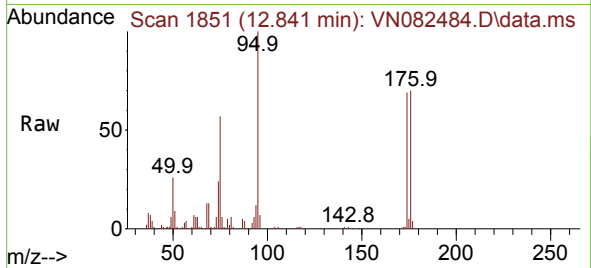
131 67.3 75.8 113.6#



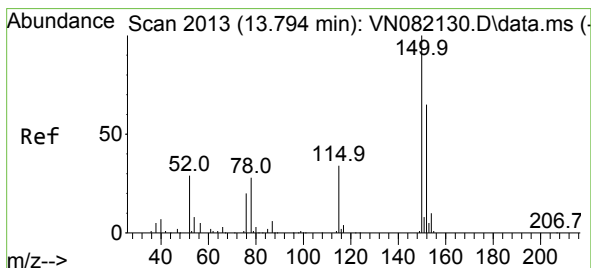
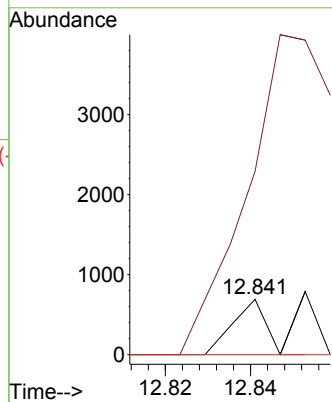
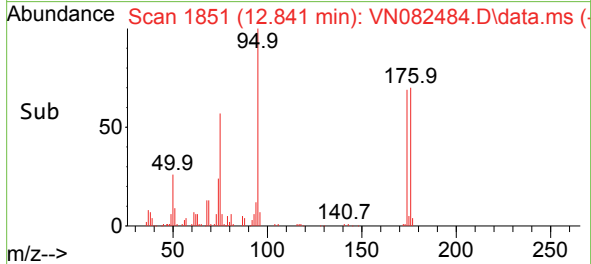


#71
Bromoform
Concen: 0.933 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-98-100

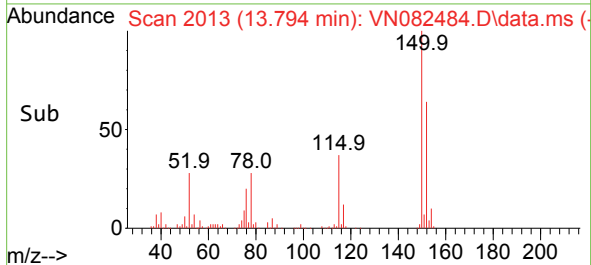
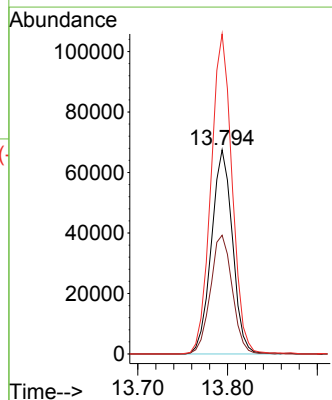
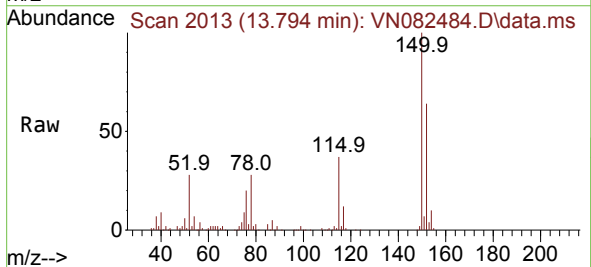


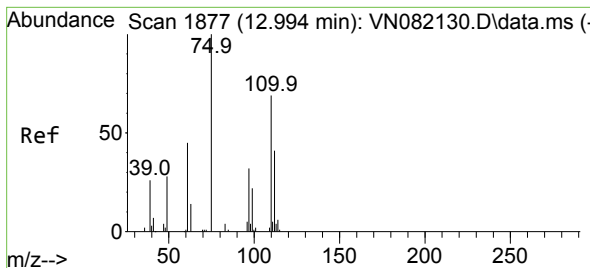
Tgt Ion:173 Resp: 370
Ion Ratio Lower Upper
173 100
175 1172.4 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082484.D
Acq: 07 Jun 2024 11:46

Tgt Ion:152 Resp: 110243
Ion Ratio Lower Upper
152 100
115 60.2 30.4 91.3
150 157.2 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 28.408 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082484.D

Acq: 07 Jun 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

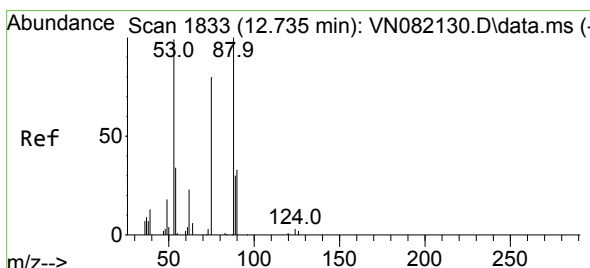
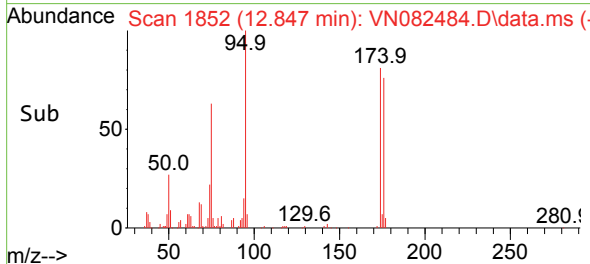
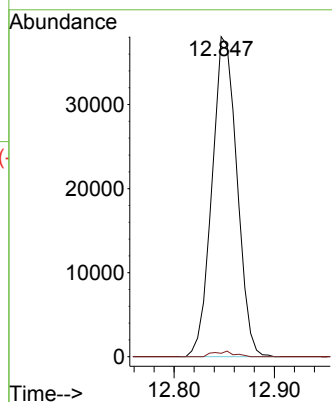
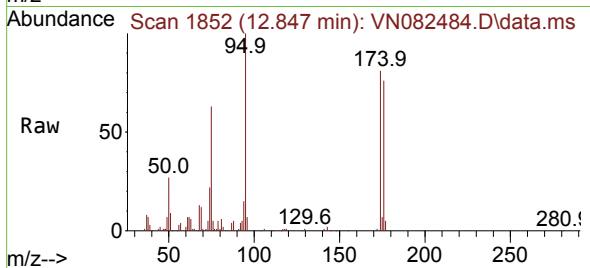
BP-VPB-189-GW-98-100

Tgt Ion: 75 Resp: 65916

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.445 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082484.D

Acq: 07 Jun 2024 11:46

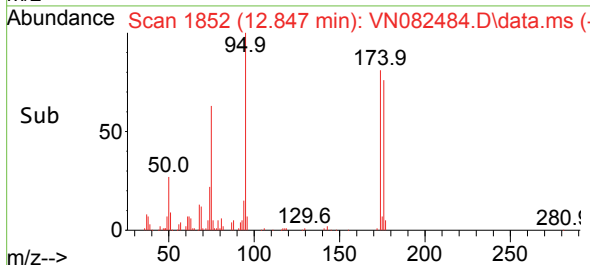
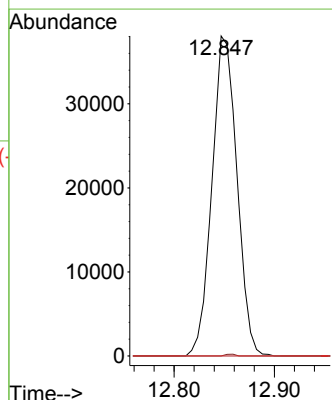
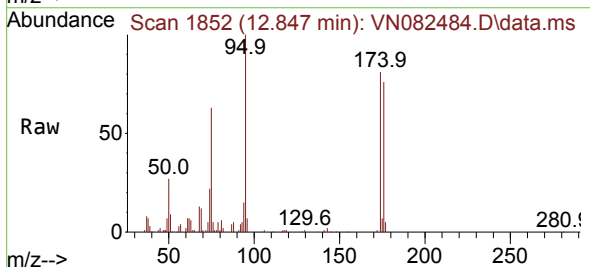
Tgt Ion: 75 Resp: 65916

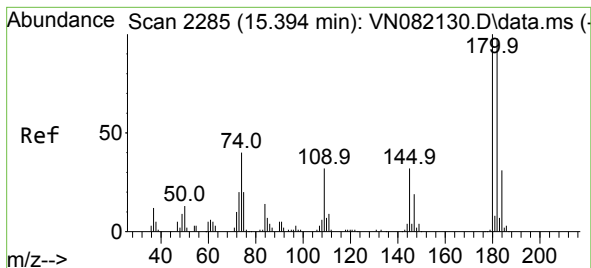
Ion Ratio Lower Upper

75 100

53 0.2 72.9 109.3#

89 0.0 39.1 58.7#





#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN082484.D

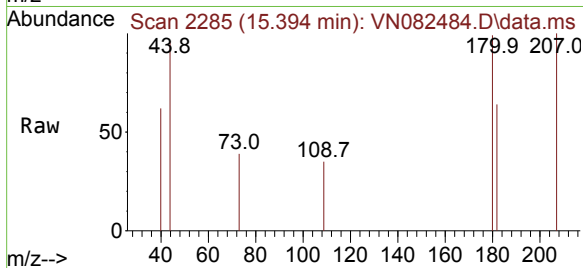
Acq: 07 Jun 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-98-100



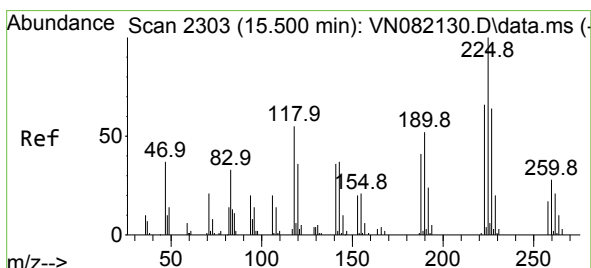
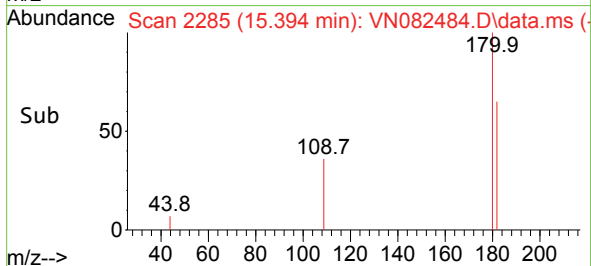
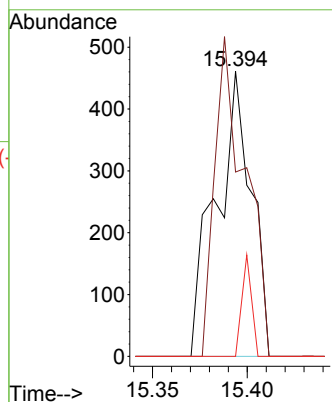
Tgt Ion:180 Resp: 598

Ion Ratio Lower Upper

180 100

182 96.7 46.7 140.0

145 9.7 16.2 48.6#



#94

Hexachlorobutadiene

Concen: 0.562 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN082484.D

Acq: 07 Jun 2024 11:46

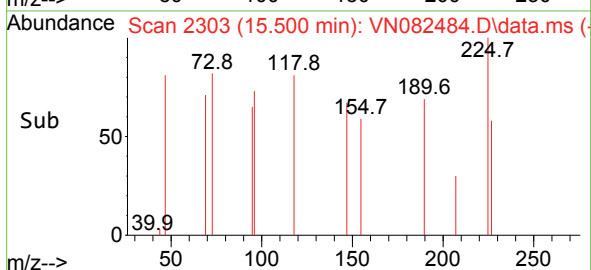
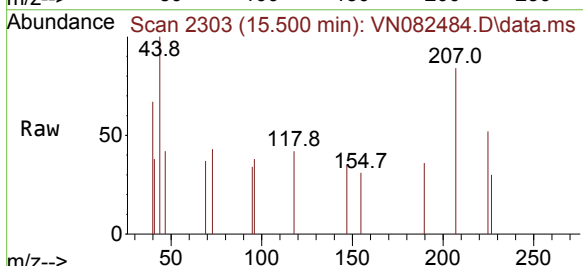
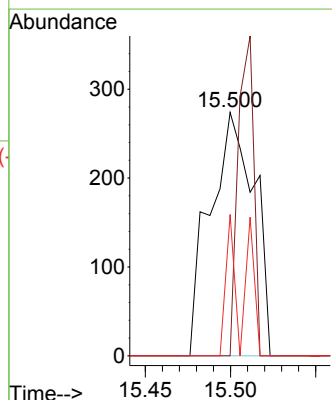
Tgt Ion:225 Resp: 495

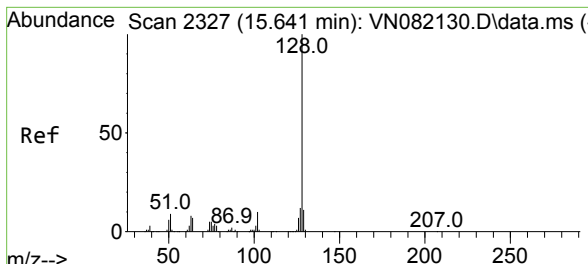
Ion Ratio Lower Upper

225 100

223 46.5 31.1 93.2

227 22.4 30.6 91.6#

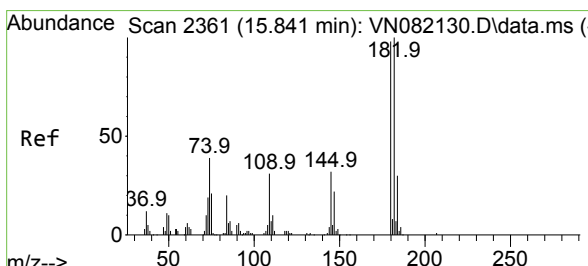
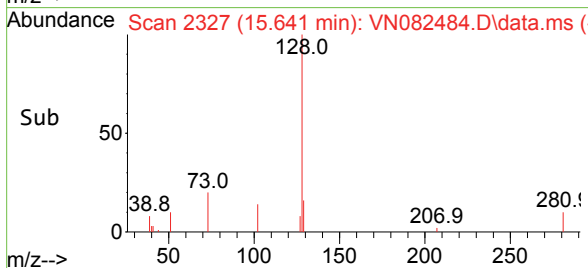
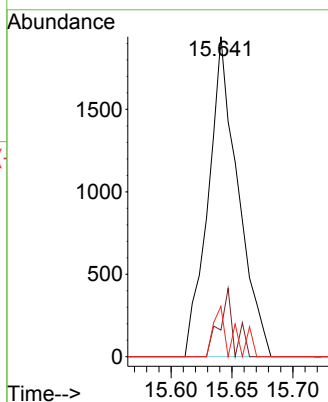
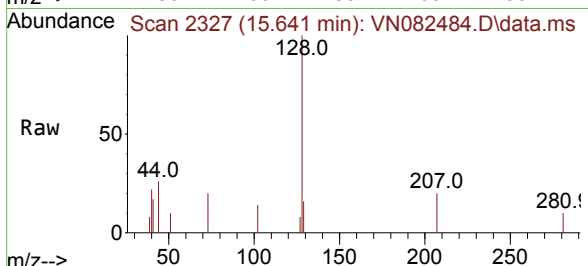




#95
 Naphthalene
 Concen: 0.524 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082484.D
 Acq: 07 Jun 2024 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-98-100

Tgt Ion:	128	Resp:	3297
Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.1	15.1
129	9.6	8.9	13.3



#96
 1,2,3-Trichlorobenzene
 Concen: 0.358 ug/l
 RT: 15.835 min Scan# 2360
 Delta R.T. -0.006 min
 Lab File: VN082484.D
 Acq: 07 Jun 2024 11:46

Tgt Ion:	180	Resp:	719
Ion	Ratio	Lower	Upper
180	100		
182	101.8	46.0	137.8
145	0.0	17.1	51.3

