

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061224\
 Data File : VN082525.D
 Acq On : 12 Jun 2024 13:34
 Operator : JC\MD
 Sample : P2839-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-263-265

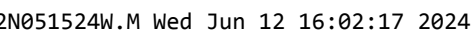
Quant Time: Jun 12 16:02:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

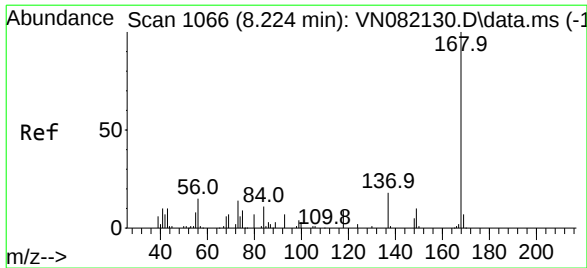
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	166454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133976	50.973	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	8.165	113	99192	53.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.940%			
50) Toluene-d8	10.571	98	366783	52.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.853	95	121225	48.198	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1070	0.393	ug/l #	80
5) Bromomethane	2.977	94	1110	0.755	ug/l #	76
10) Methyl Iodide	4.589	142	425	0.216	ug/l #	40
11) Tert butyl alcohol	5.518	59	181	0.429	ug/l #	71
13) Acrolein	4.177	56	67	0.214	ug/l #	1
16) Acetone	4.430	43	11192	10.380	ug/l	96
17) Carbon Disulfide	4.712	76	3274	0.558	ug/l #	92
20) Methylene Chloride	5.277	84	764	0.351	ug/l #	45
25) 2-Butanone	7.500	43	4137	2.531	ug/l #	88
31) Cyclohexane	8.224	56	4647	1.107	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	15323	4.971	ug/l #	49
37) Ethyl Acetate	7.500	43	4137	1.199	ug/l #	70
38) Carbon Tetrachloride	8.230	117	18605	5.954	ug/l #	16
43) Isopropyl Acetate	8.706	43	4462	0.730	ug/l #	52
49) 1,4-Dioxane	9.700	88	148	3.626	ug/l #	28
59) 2-Hexanone	11.194	43	699	0.275	ug/l #	54
71) Bromoform	12.841	173	651	1.083	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	69541	27.413	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69541	64.117	ug/l #	12
88) 1,4-Dichlorobenzene	13.812	146	865	0.205	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.400	180	861	0.393	ug/l #	78
94) Hexachlorobutadiene	15.506	225	472	0.490	ug/l	84
95) Naphthalene	15.641	128	2687	0.391	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.847	180	892	0.406	ug/l #	81

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

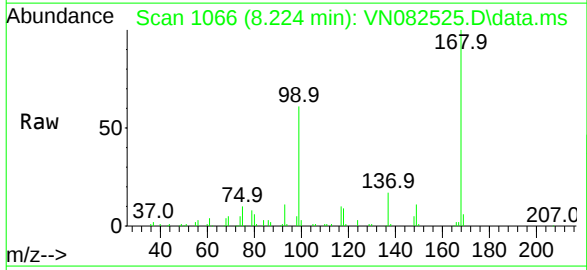
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



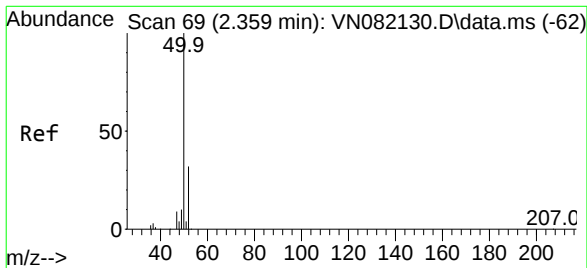
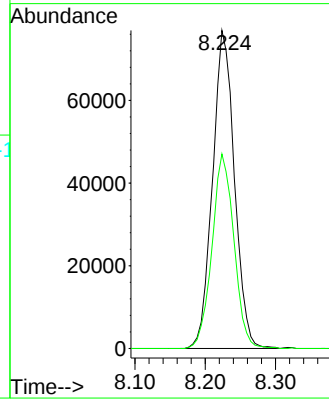
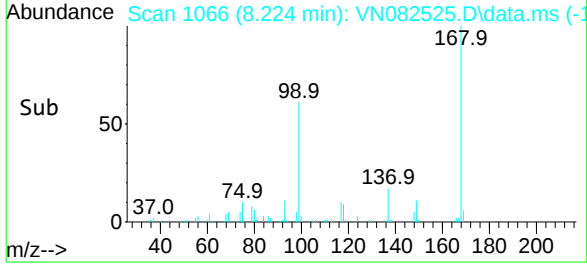


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

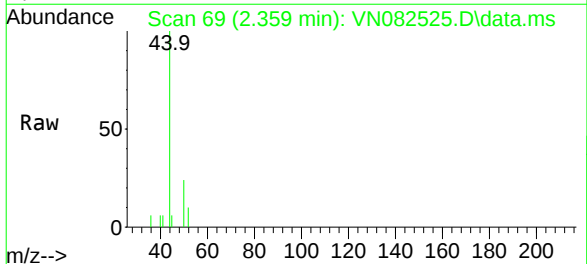
Instrument : MSVOA_N
ClientSampleId : BP-VPB-189-GW-263-265



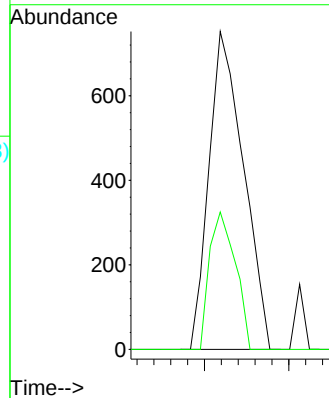
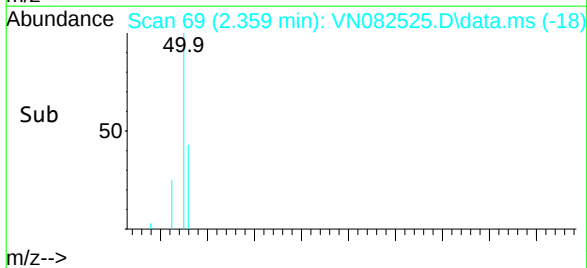
Tgt Ion: 168 Resp: 166454
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.4

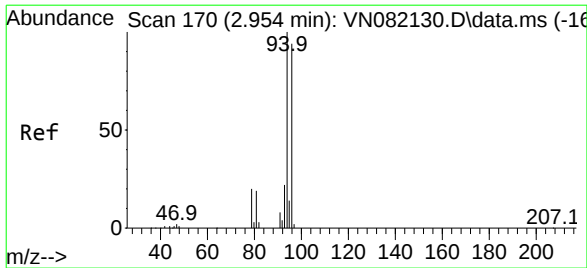


#3
Chloromethane
Concen: 0.393 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34



Tgt Ion: 50 Resp: 1070
Ion Ratio Lower Upper
50 100
52 43.2 25.5 38.3#

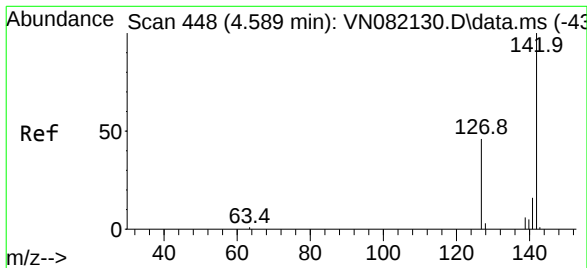
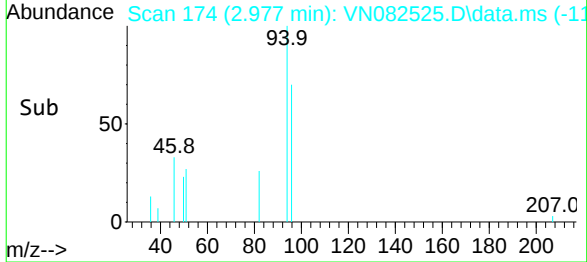
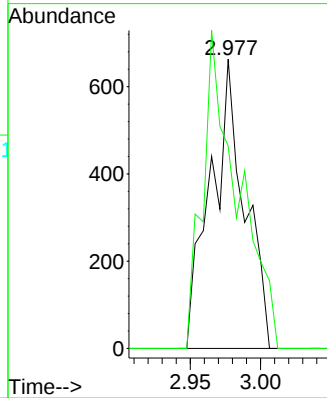
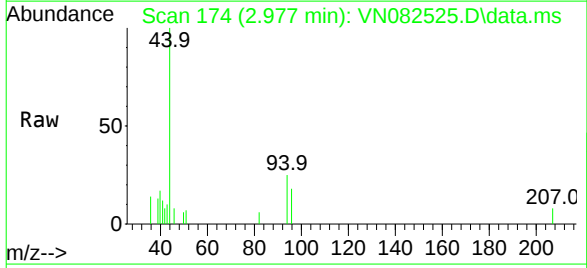




#5
Bromomethane
Concen: 0.755 ug/l
RT: 2.977 min Scan# 17
Delta R.T. 0.023 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

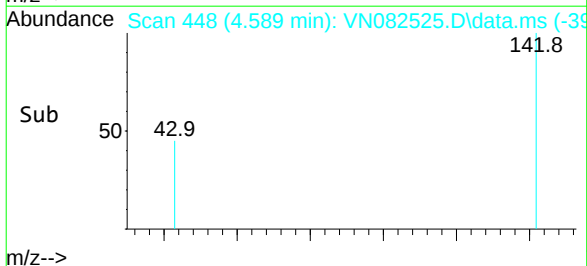
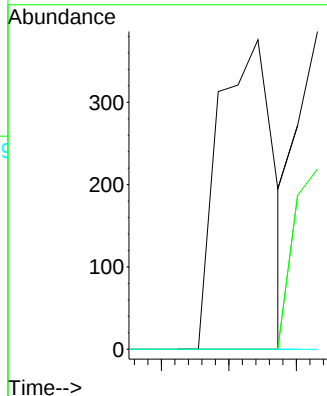
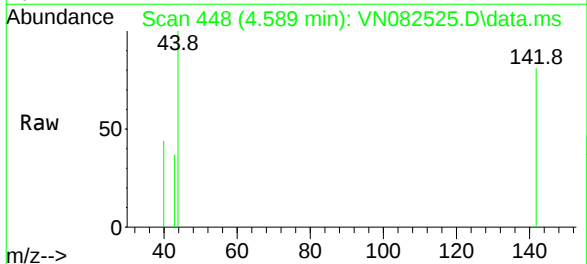
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-263-265

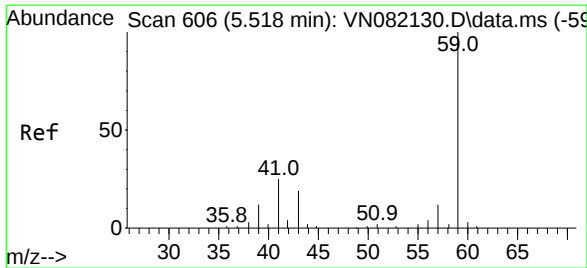
Tgt Ion: 94 Resp: 1110
Ion Ratio Lower Upper
94 100
96 70.0 74.8 112.2#



#10
Methyl Iodide
Concen: 0.216 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion: 142 Resp: 425
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.429 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.000 min

Lab File: VN082525.D

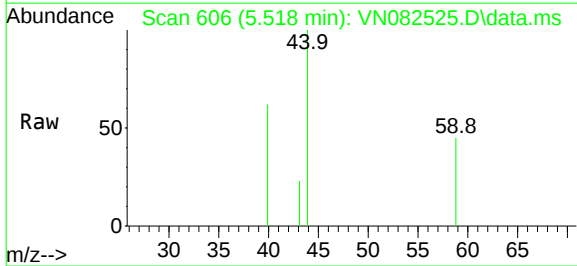
Acq: 12 Jun 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-263-265

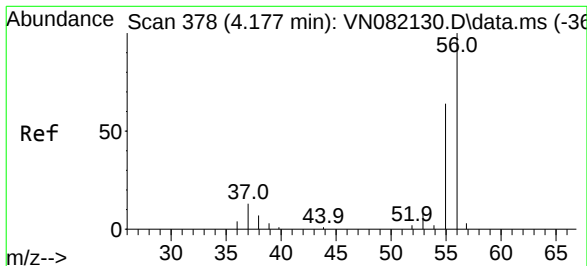
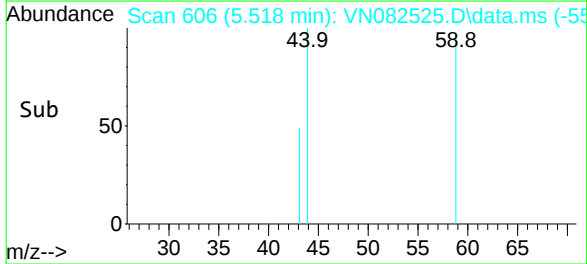
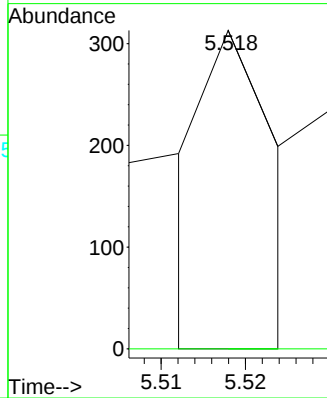


Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: 0.214 ug/l

RT: 4.177 min Scan# 378

Delta R.T. -0.000 min

Lab File: VN082525.D

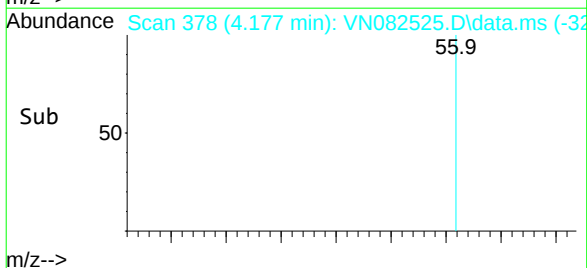
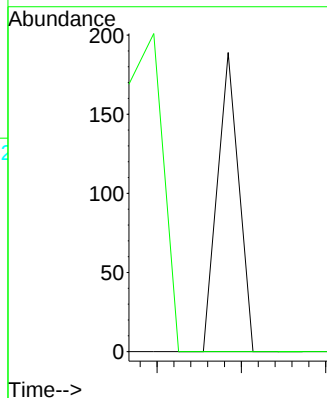
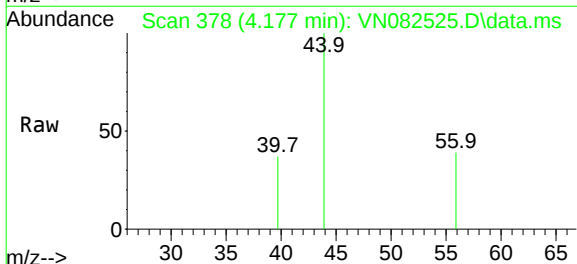
Acq: 12 Jun 2024 13:34

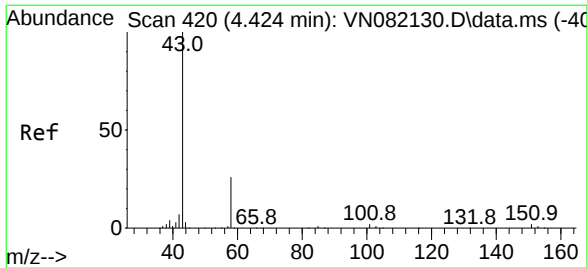
Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 195.5 55.8 83.8#





#16

Acetone

Concen: 10.380 ug/l

RT: 4.430 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

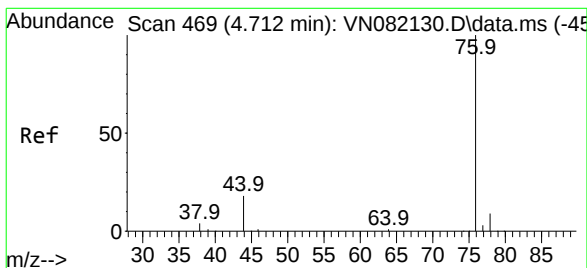
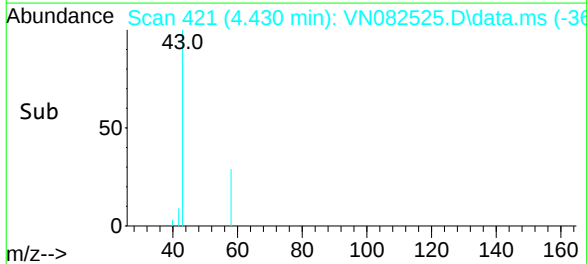
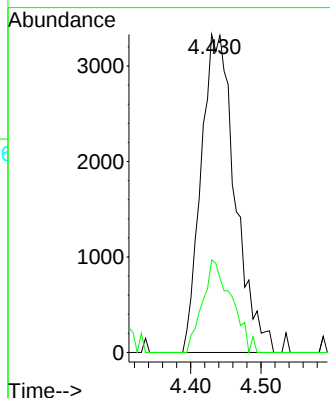
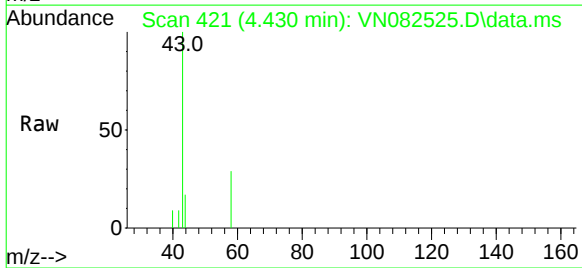
BP-VPB-189-GW-263-265

Tgt Ion: 43 Resp: 11192

Ion Ratio Lower Upper

43 100

58 29.1 25.2 37.8



#17

Carbon Disulfide

Concen: 0.558 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN082525.D

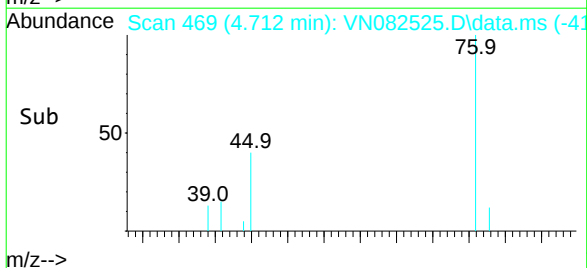
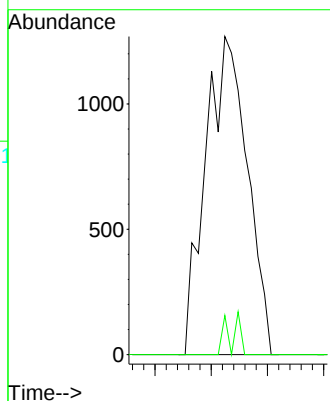
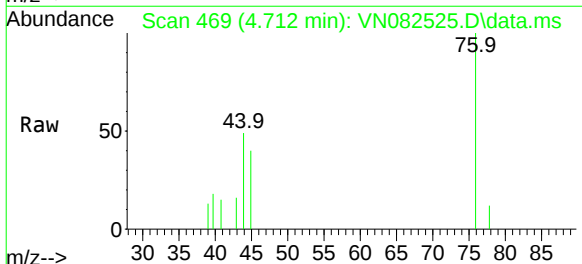
Acq: 12 Jun 2024 13:34

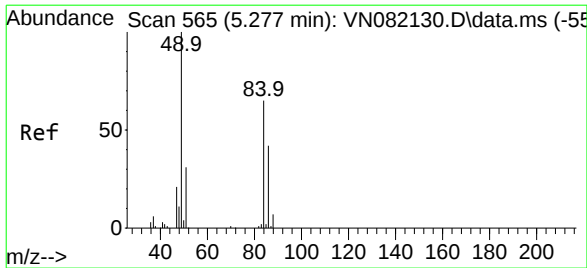
Tgt Ion: 76 Resp: 3274

Ion Ratio Lower Upper

76 100

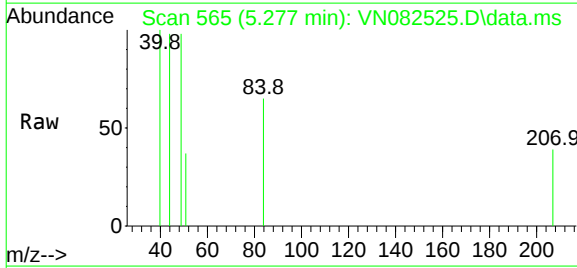
78 12.3 7.5 11.3#



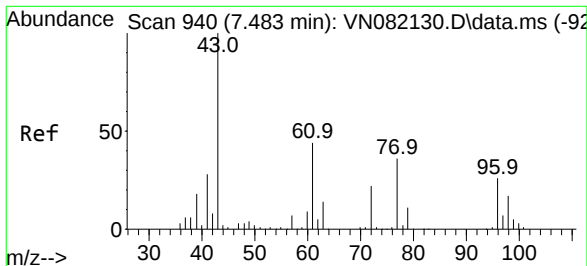
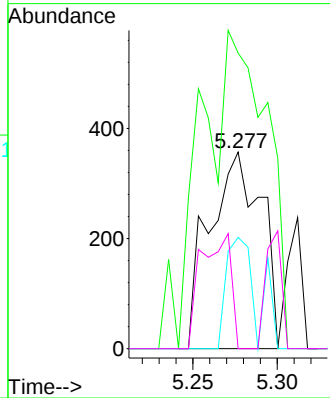
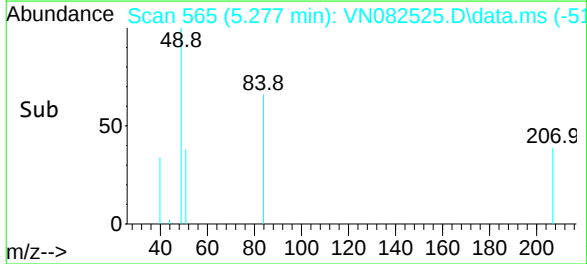


#20
Methylene Chloride
Concen: 0.351 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-263-265

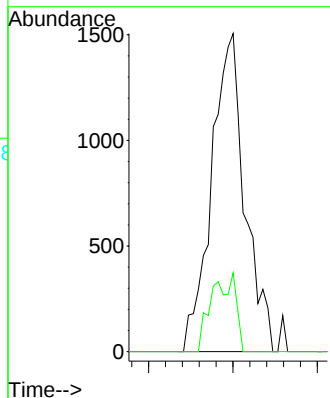
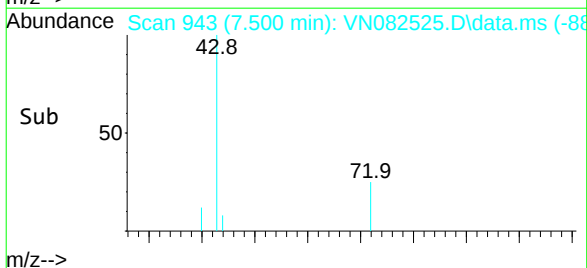
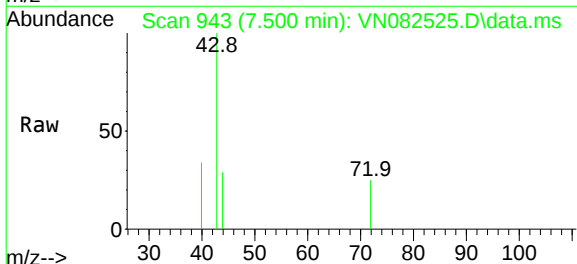


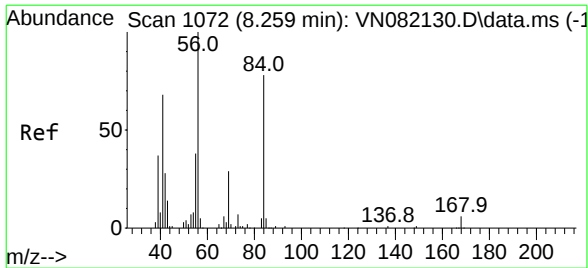
Tgt Ion: 84 Resp: 764
Ion Ratio Lower Upper
84 100
49 150.4 84.9 127.3#
51 56.6 27.0 40.6#
86 0.0 52.3 78.5#



#25
2-Butanone
Concen: 2.531 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion: 43 Resp: 4137
Ion Ratio Lower Upper
43 100
72 24.8 25.3 37.9#

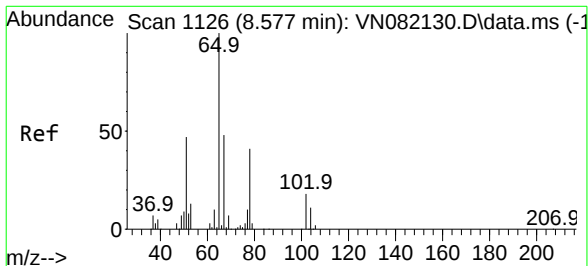
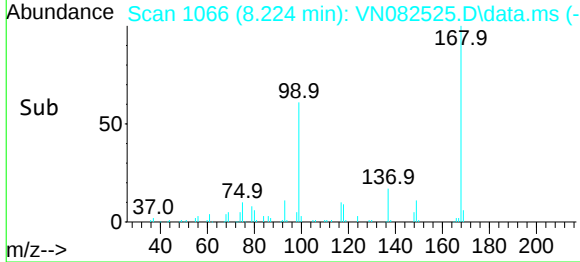
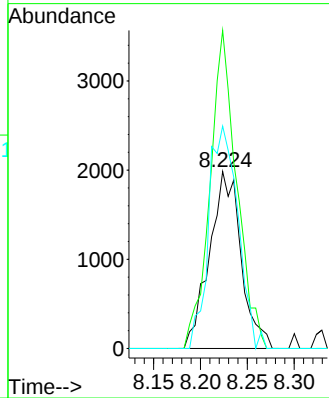
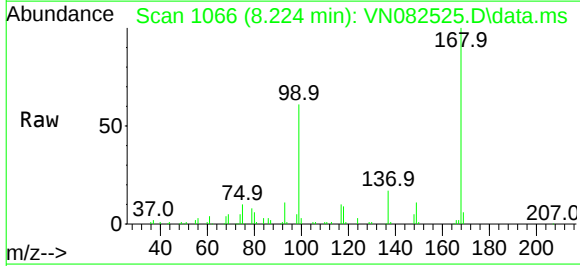




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

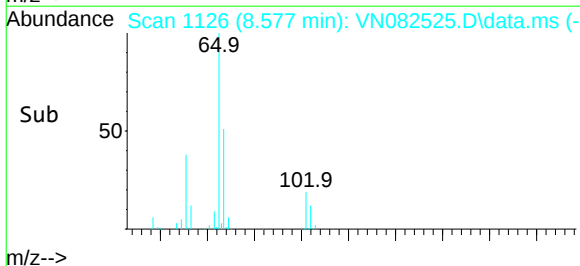
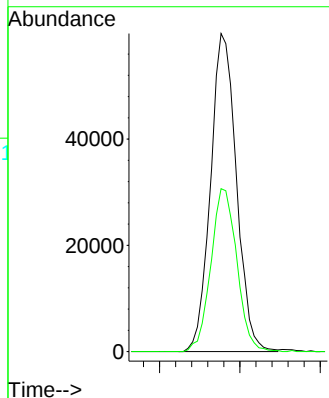
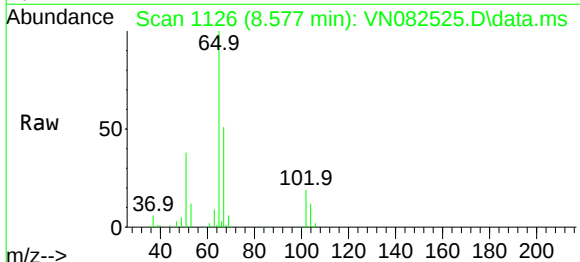
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BP-VPB-189-GW-263-265

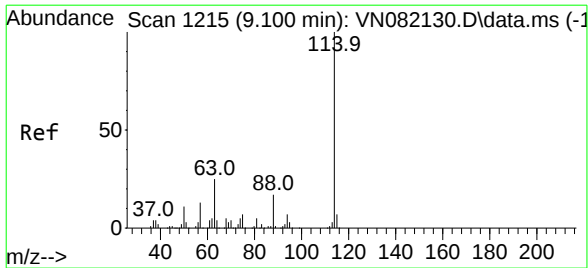
Tgt Ion:	56	Resp:	4647
Ion	Ratio	Lower	Upper
56	100		
69	179.7	24.4	36.6#
84	125.6	77.0	115.4#



#33
1,2-Dichloroethane-d4
Concen: 50.973 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion:	65	Resp:	133976
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

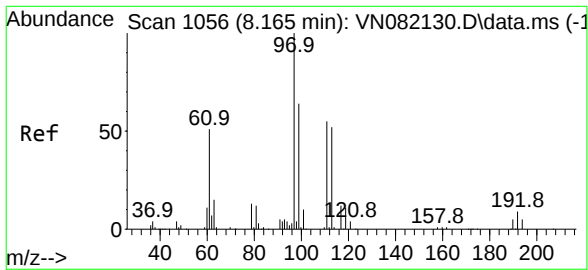
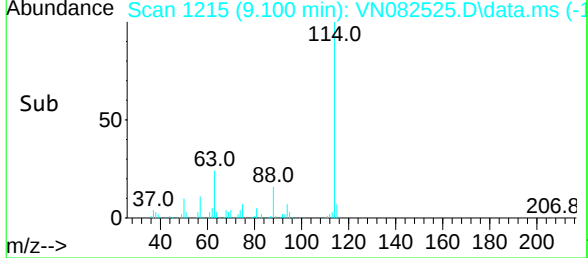
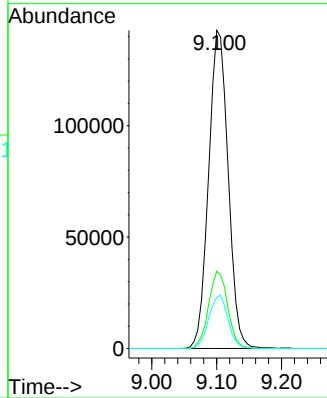
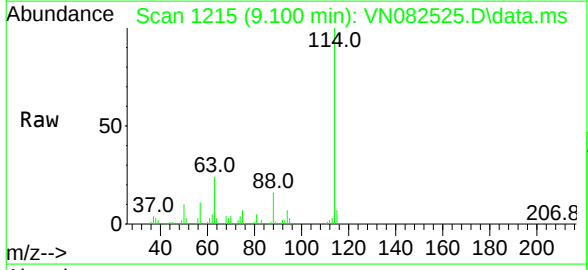




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

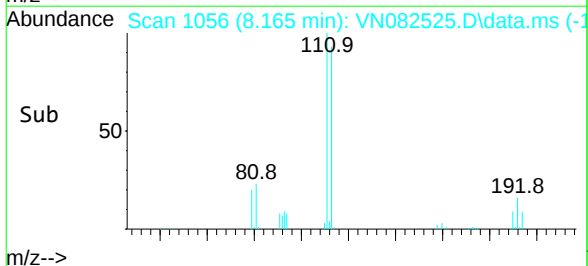
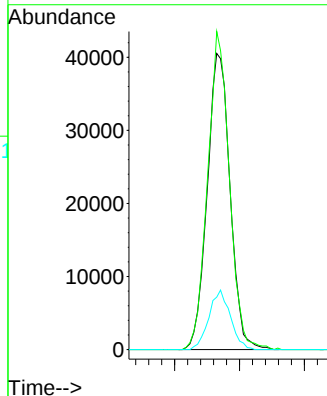
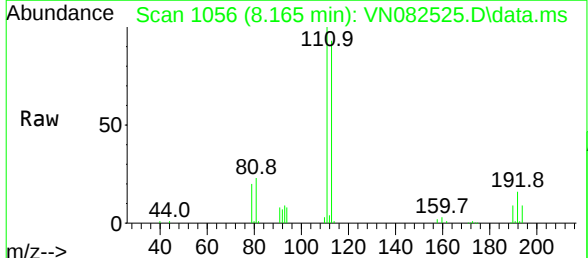
Instrument : MSVOA_N
ClientSampleId : BP-VPB-189-GW-263-265

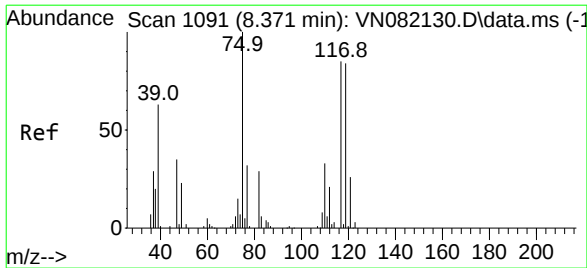
Tgt Ion:	114	Resp:	298784
Ion Ratio	Lower	Upper	
114	100		
63	24.3	0.0	41.0
88	16.1	0.0	31.4



#35
Dibromofluoromethane
Concen: 53.968 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion:	113	Resp:	99192
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.4	125.2
192	18.9	14.0	21.0

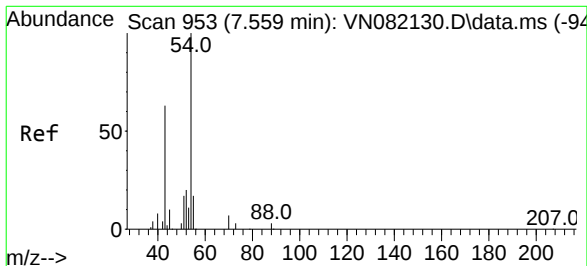
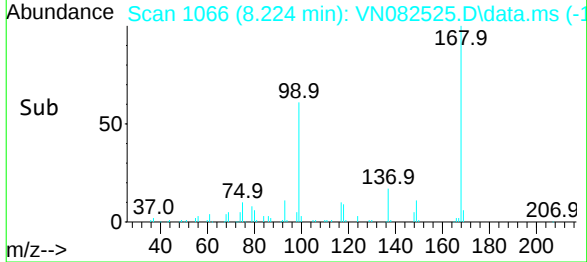
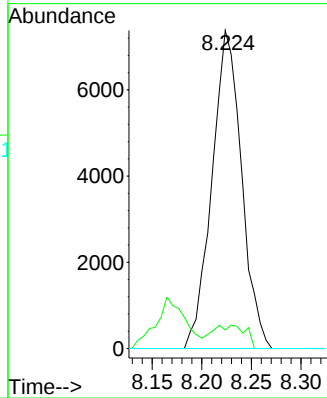
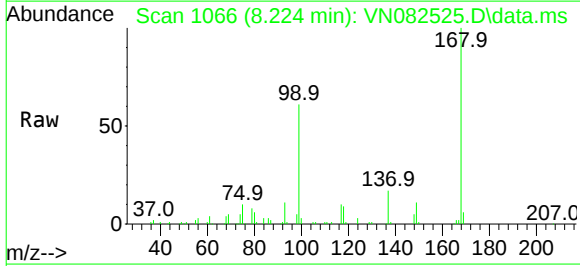




#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 8.224 min Scan# 1091
Delta R.T. -0.147 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

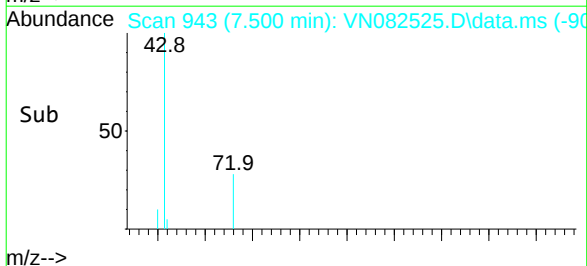
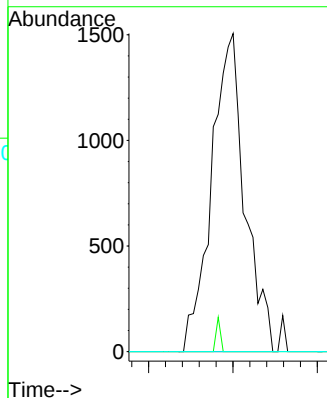
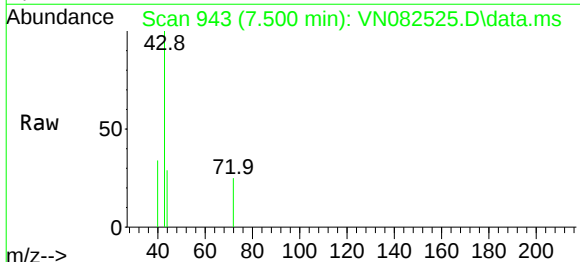
Instrument : MSVOA_N
ClientSampleId : BP-VPB-189-GW-263-265

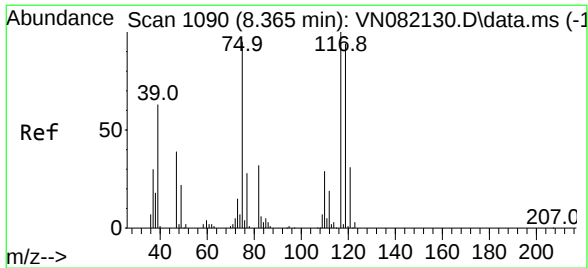
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.8	53.5#
77	0.0	25.0	37.4#



#37
Ethyl Acetate
Concen: 1.199 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.059 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.4	11.3	16.9#
70	0.0	8.7	13.1#

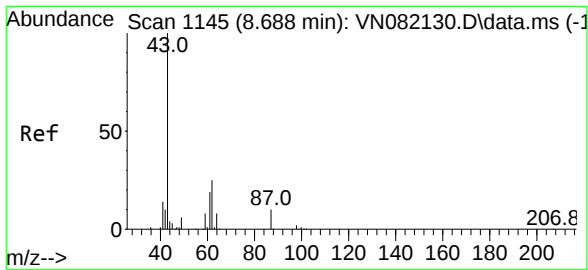
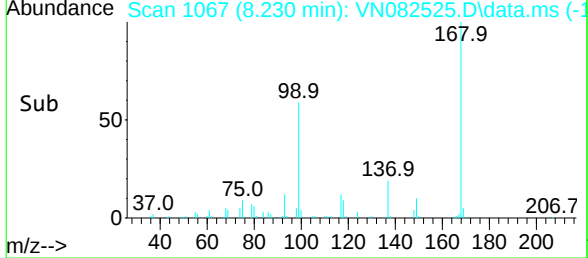
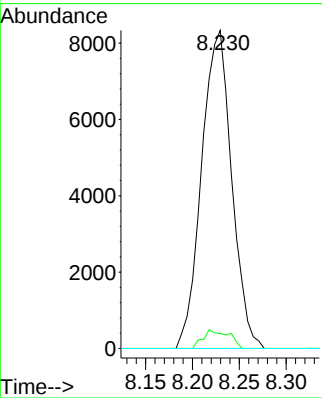
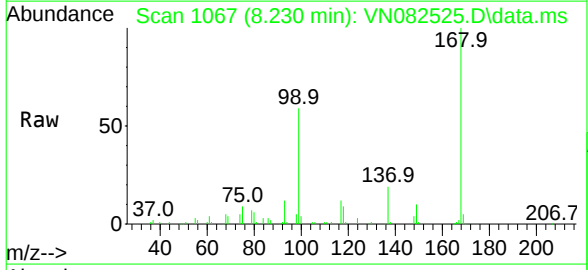




#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 8.230 min Scan# 1090
Delta R.T. -0.135 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

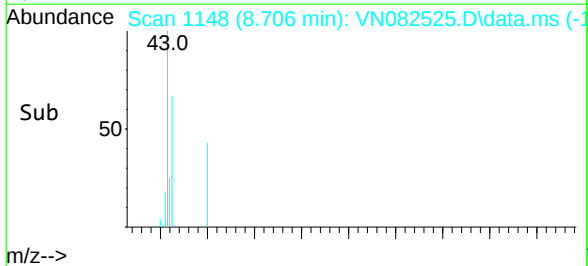
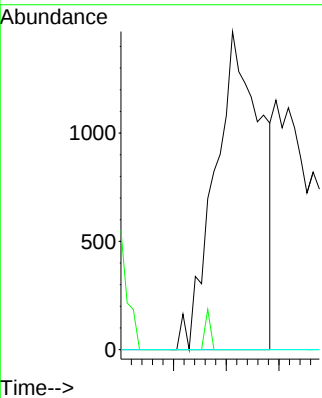
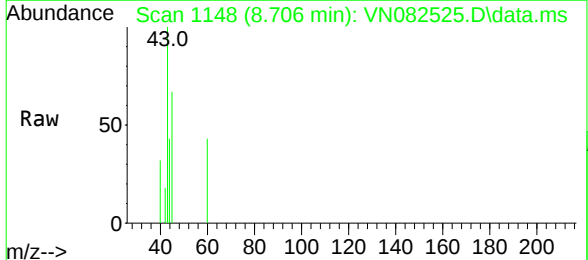
Instrument : MSVOA_N
ClientSampleId : BP-VPB-189-GW-263-265

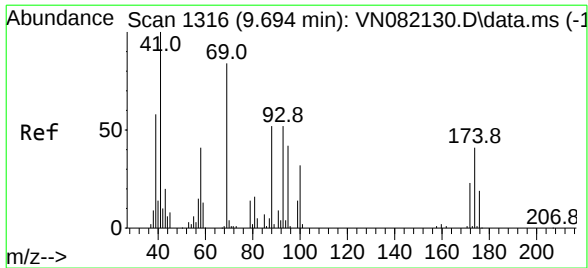
Tgt Ion:	117	Resp:	18605
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.5	114.7#
121	0.0	23.9	35.9#



#43
Isopropyl Acetate
Concen: 0.730 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

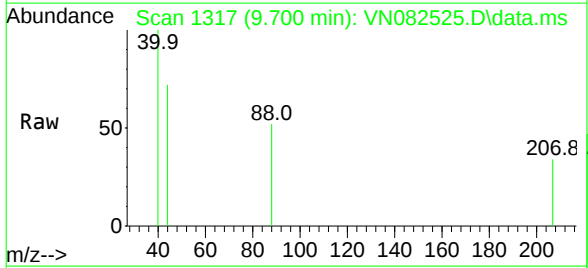
Tgt Ion:	43	Resp:	4462
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	0.0	12.0	18.0#



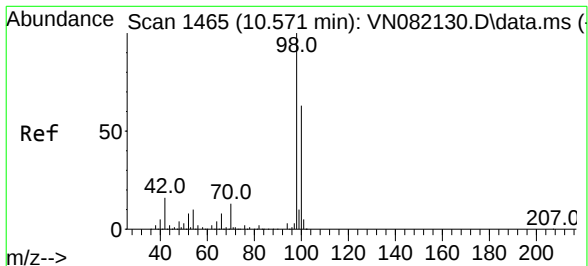
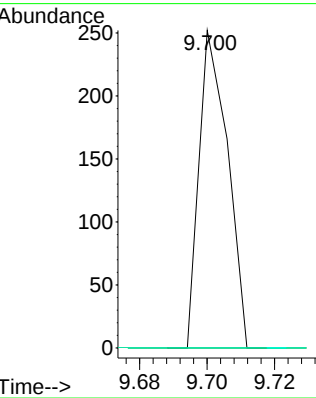
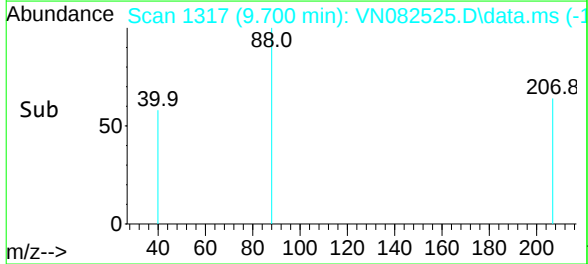


#49
1,4-Dioxane
Concen: 3.626 ug/l
RT: 9.700 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-263-265

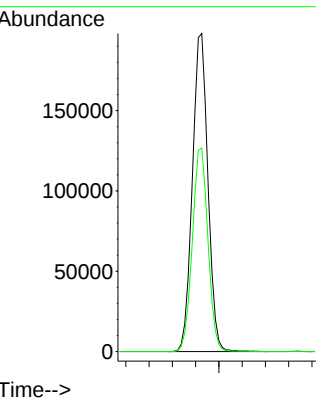
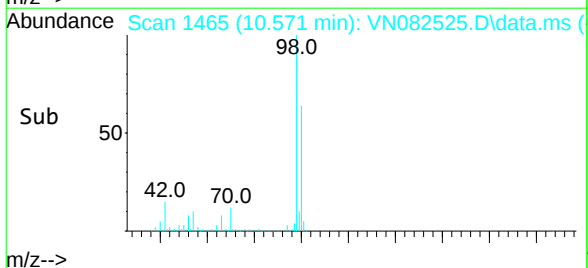
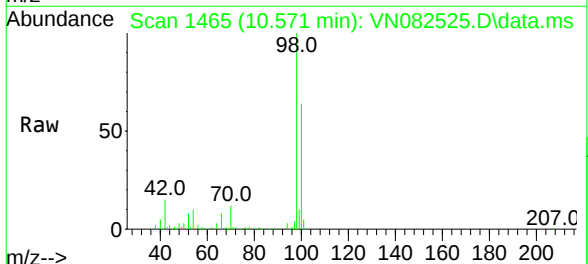


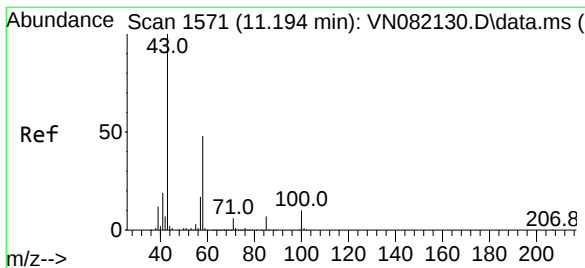
Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 50.6 76.0#



#50
Toluene-d8
Concen: 52.050 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion: 98 Resp: 366783
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6





#59

2-Hexanone

Concen: 0.275 ug/l

RT: 11.194 min Scan# 15

Delta R.T. -0.000 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

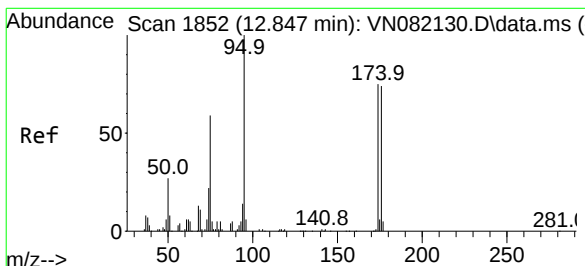
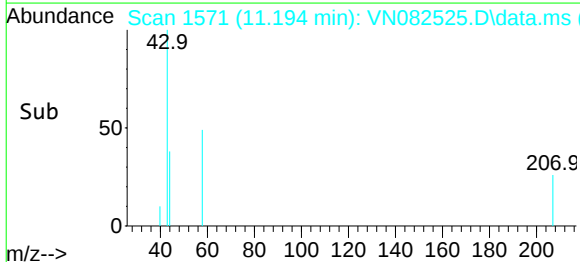
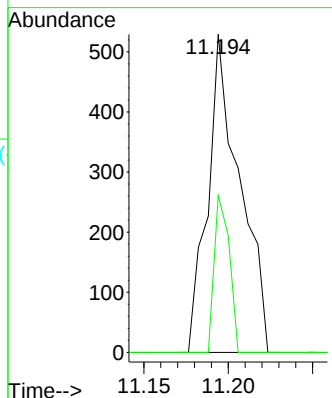
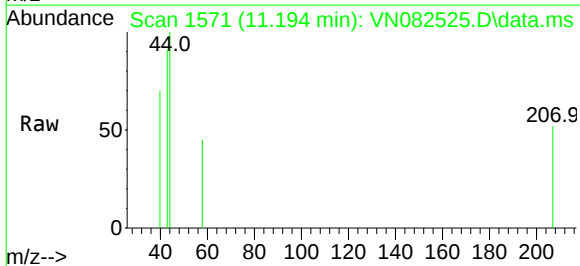
BP-VPB-189-GW-263-265

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

58 23.0 28.3 84.9#



#62

4-Bromofluorobenzene

Concen: 48.198 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

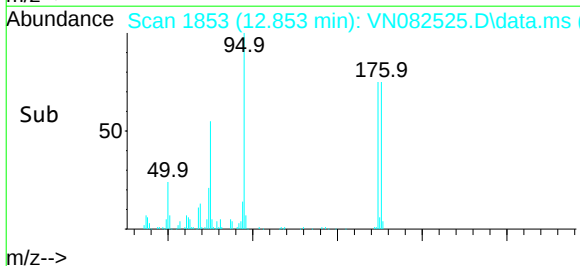
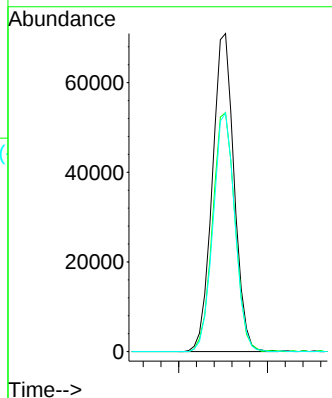
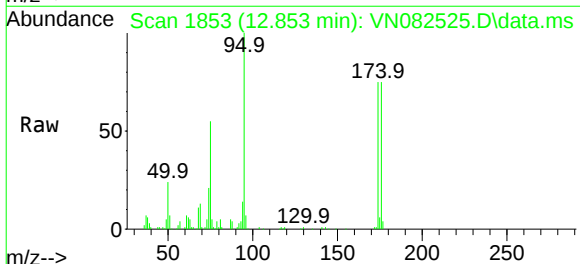
Tgt Ion: 95 Resp: 121225

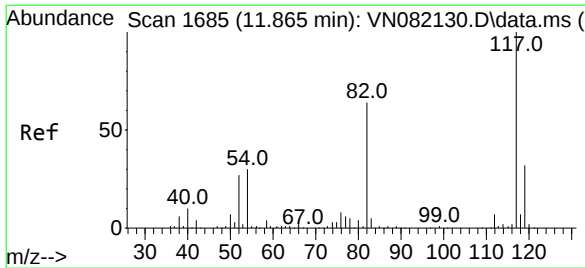
Ion Ratio Lower Upper

95 100

174 76.6 0.0 160.6

176 74.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-263-265

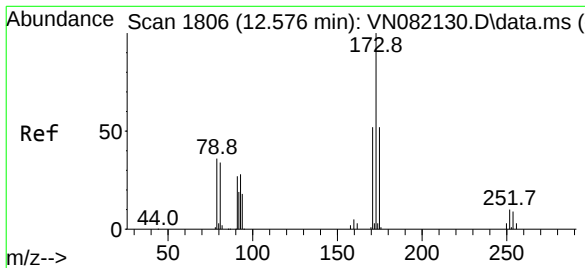
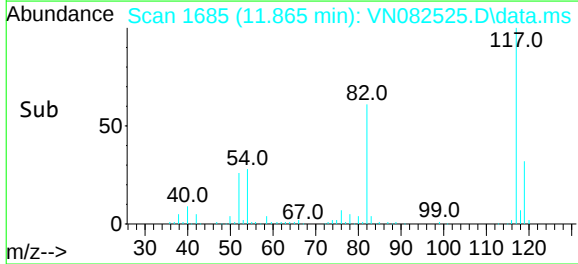
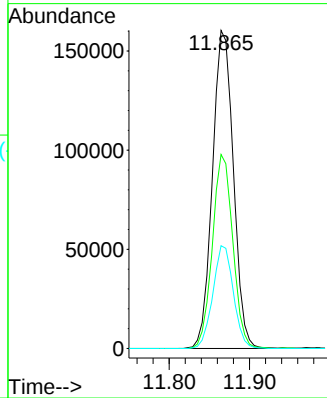
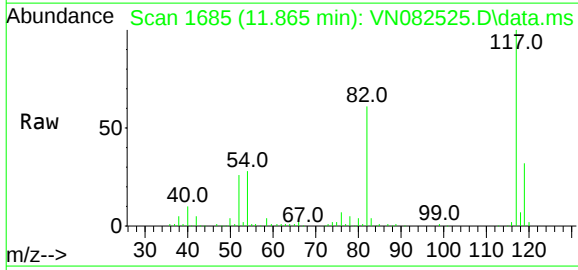
Tgt Ion:117 Resp: 290474

Ion Ratio Lower Upper

117 100

82 61.0 44.6 66.8

119 32.3 25.9 38.9



#71

Bromoform

Concen: 1.083 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

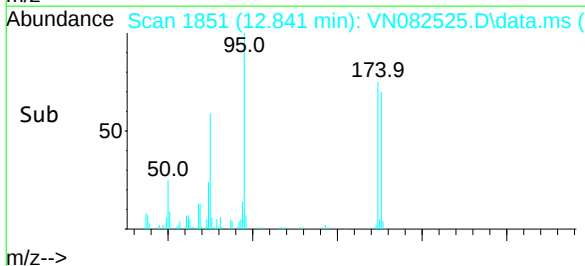
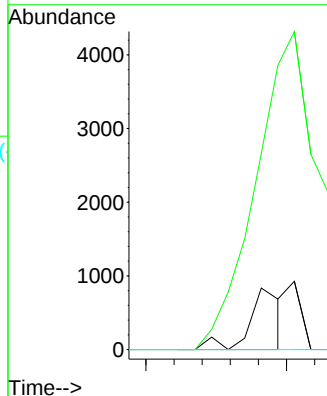
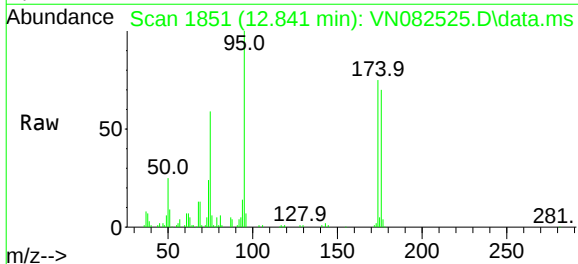
Tgt Ion:173 Resp: 651

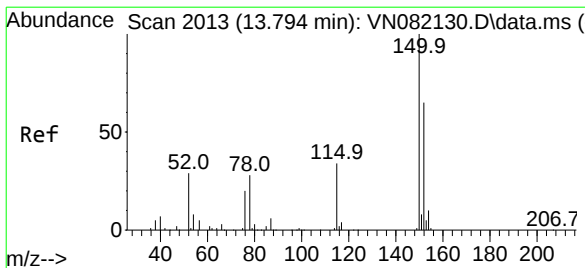
Ion Ratio Lower Upper

173 100

175 0.0 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# 20

Delta R.T. -0.000 min

Lab File: VN082525.D

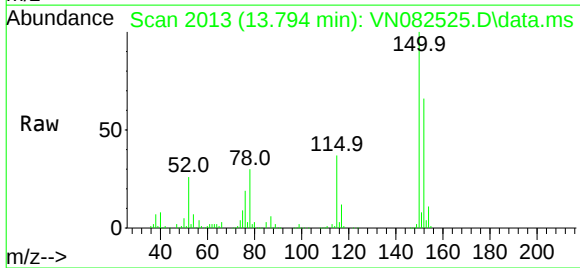
Acq: 12 Jun 2024 13:34

Instrument :

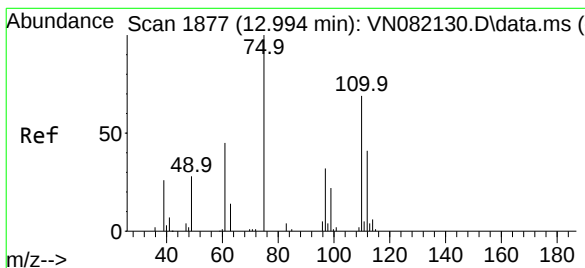
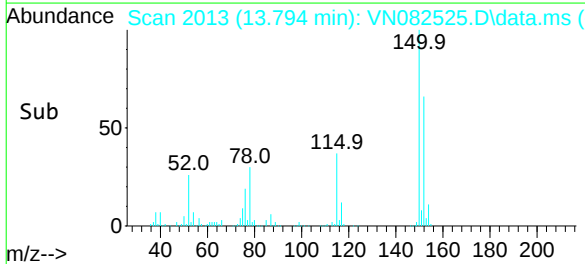
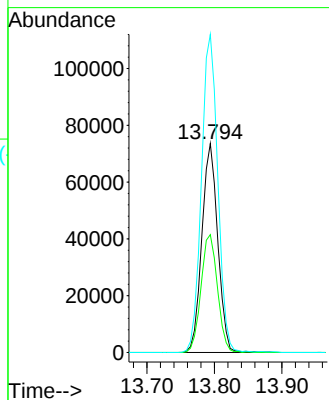
MSVOA_N

ClientSampleId :

BP-VPB-189-GW-263-265



Tgt Ion:	152	Resp:	120527
Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.4	91.3
150	155.9	0.0	353.2



#76

1,2,3-Trichloropropane

Concen: 27.413 ug/l

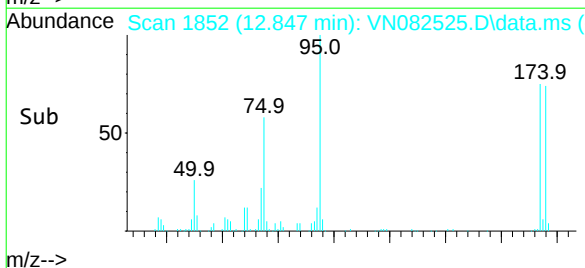
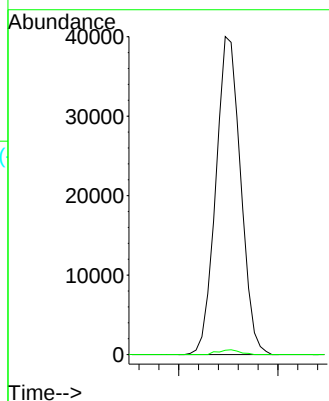
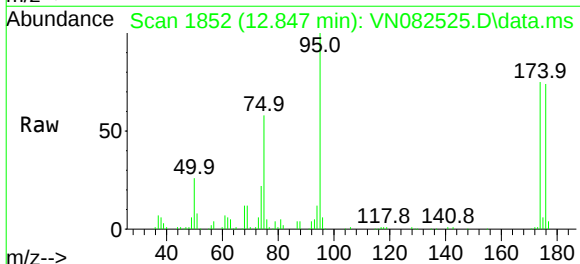
RT: 12.847 min Scan# 1852

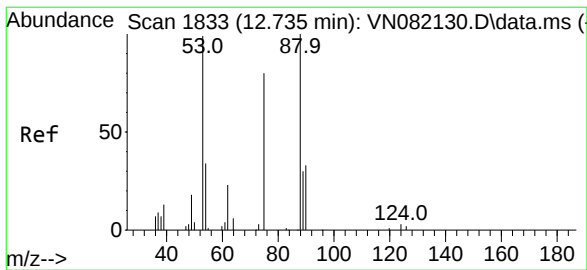
Delta R.T. -0.147 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

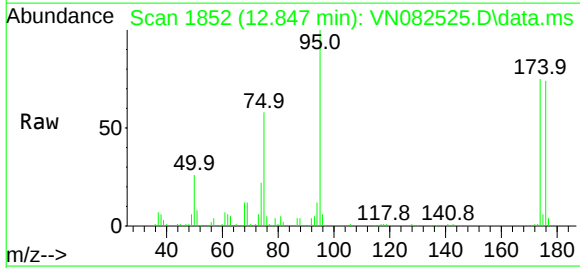
Tgt Ion:	75	Resp:	69541
Ion	Ratio	Lower	Upper
75	100		
77	1.3	90.5	271.3#



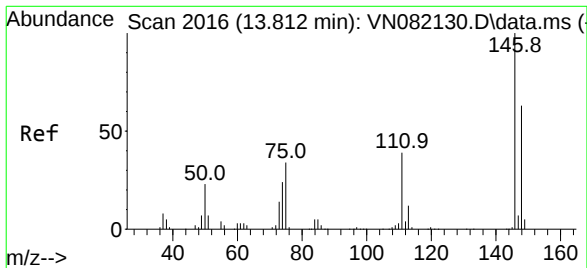
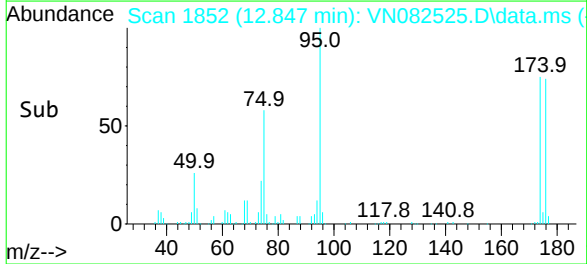
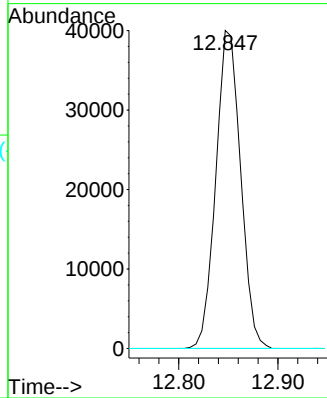


#81
trans-1,4-Dichloro-2-butene
Concen: 64.117 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.112 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-263-265

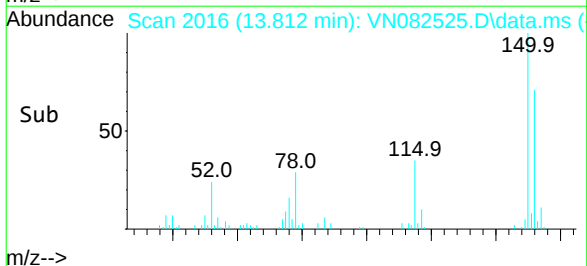
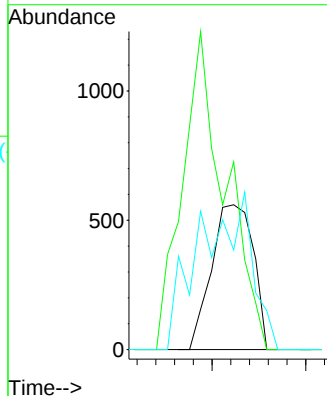
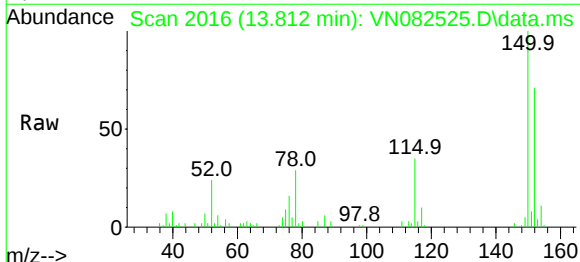


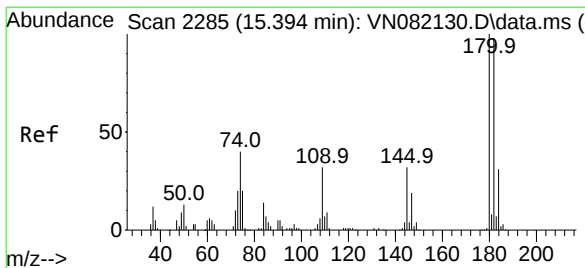
Tgt Ion: 75 Resp: 69541
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#88
1,4-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN082525.D
Acq: 12 Jun 2024 13:34

Tgt Ion: 146 Resp: 865
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 135.8 31.3 93.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.393 ug/l

RT: 15.400 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN082525.D

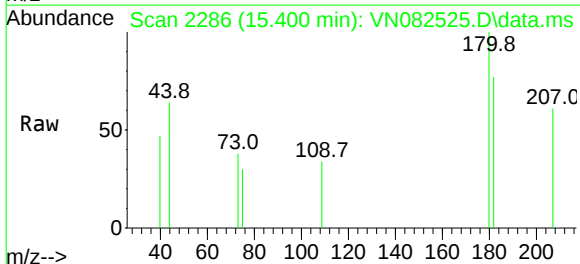
Acq: 12 Jun 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-263-265



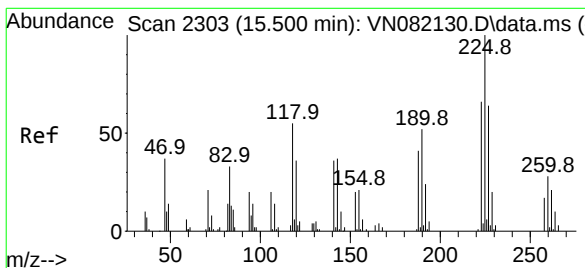
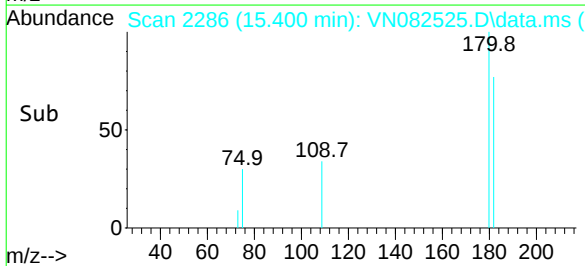
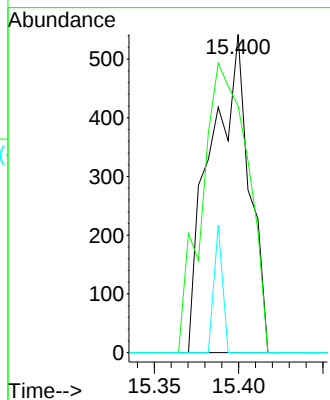
Tgt Ion:180 Resp: 861

Ion Ratio Lower Upper

180 100

182 108.0 46.7 140.0

145 8.9 16.2 48.6#



#94

Hexachlorobutadiene

Concen: 0.490 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

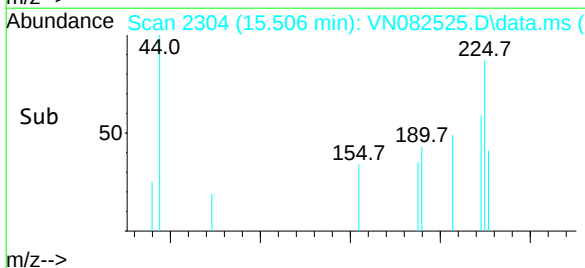
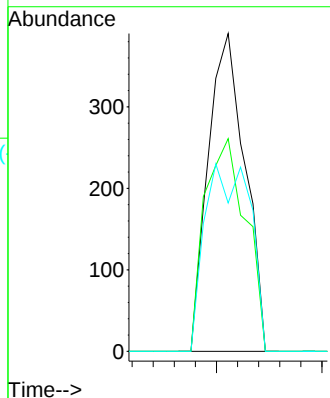
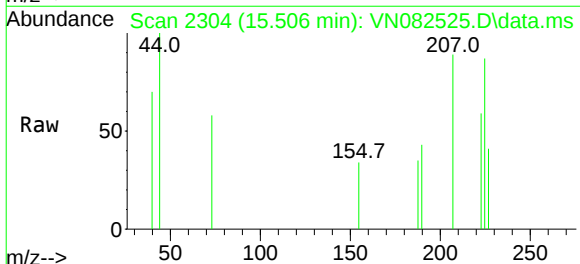
Tgt Ion:225 Resp: 472

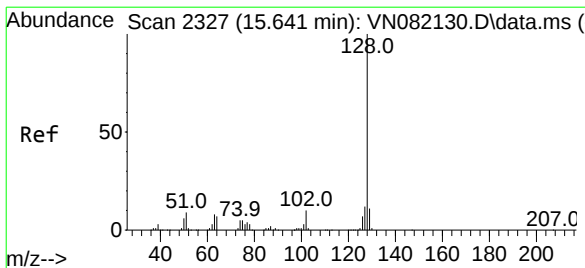
Ion Ratio Lower Upper

225 100

223 74.8 31.1 93.2

227 72.5 30.6 91.6





#95

Naphthalene

Concen: 0.391 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

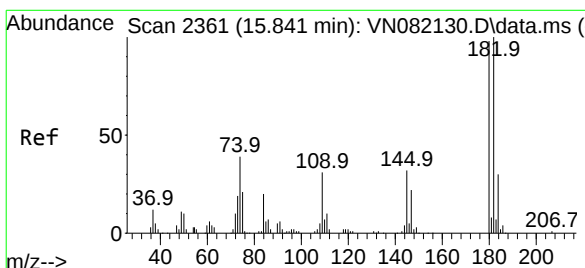
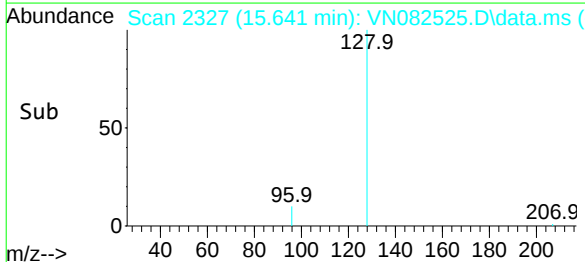
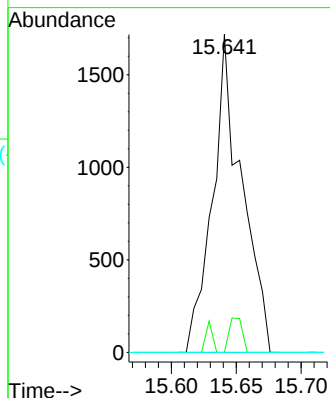
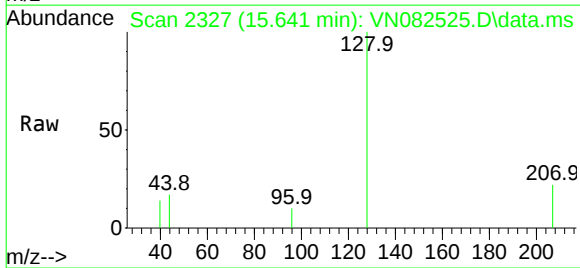
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-263-265

Tgt Ion:	128	Resp:	2687
Ion	Ratio	Lower	Upper
128	100		
127	4.8	10.1	15.1#
129	0.0	8.9	13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.406 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN082525.D

Acq: 12 Jun 2024 13:34

Tgt Ion:	180	Resp:	892
Ion	Ratio	Lower	Upper
180	100		
182	79.7	46.0	137.8
145	14.0	17.1	51.3#

