

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061424\
 Data File : VN082590.D
 Acq On : 14 Jun 2024 18:05
 Operator : JC\MD
 Sample : P2890-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-418-420

Quant Time: Jun 14 23:49:18 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)

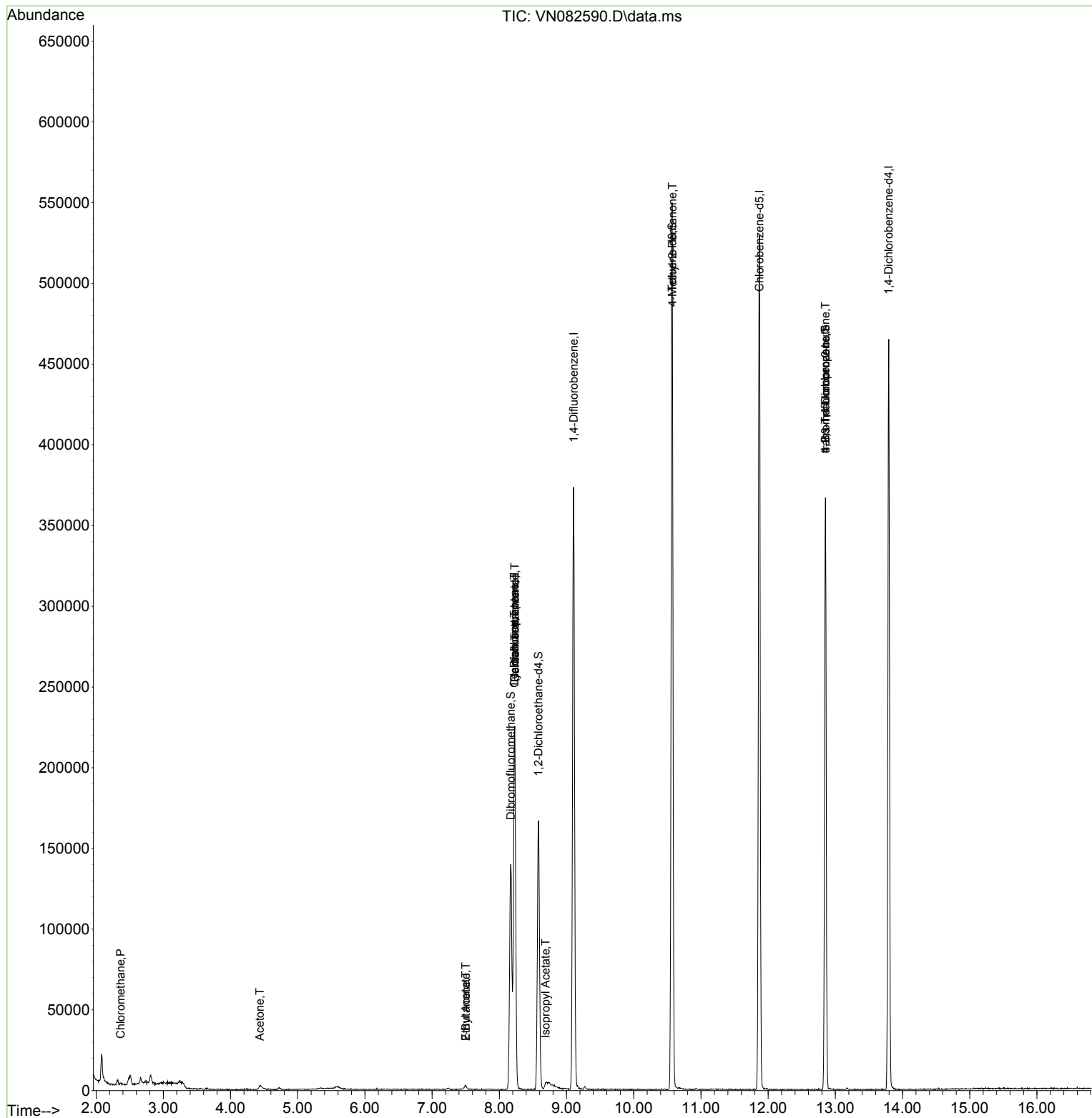
Internal Standards						
1) Pentafluorobenzene	8.230	168	159295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	300610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	288379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135679	53.941	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	8.171	113	100216	54.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.380%			
50) Toluene-d8	10.571	98	360687	50.874	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.853	95	116071	45.869	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.740%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	835	0.321	ug/l	92
16) Acetone	4.436	43	5281	5.118	ug/l	92
25) 2-Butanone	7.500	43	4673	2.987	ug/l	89
31) Cyclohexane	8.224	56	4492	1.118	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	15290	4.930	ug/l #	48
37) Ethyl Acetate	7.500	43	4673	1.346	ug/l #	68
38) Carbon Tetrachloride	8.230	117	17487	5.562	ug/l #	17
43) Isopropyl Acetate	8.688	43	2557	0.416	ug/l #	52
51) 4-Methyl-2-Pentanone	10.577	43	2168	0.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68283	28.014	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68283	65.524	ug/l #	13

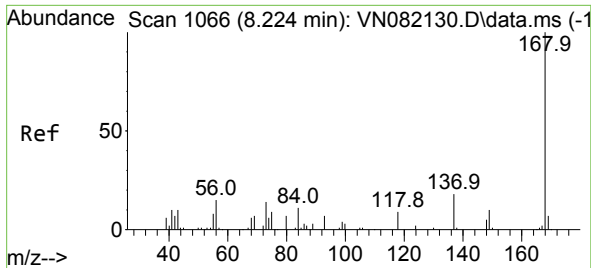
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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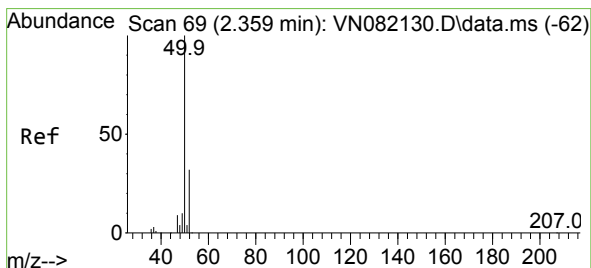
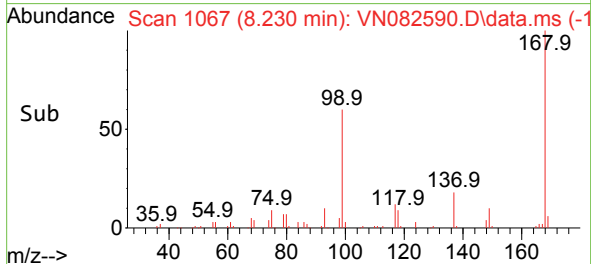
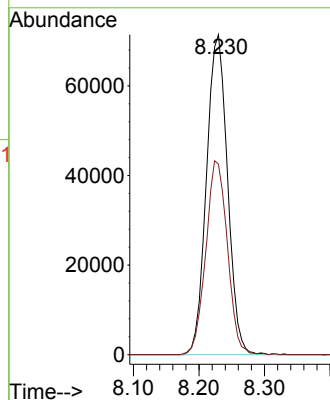
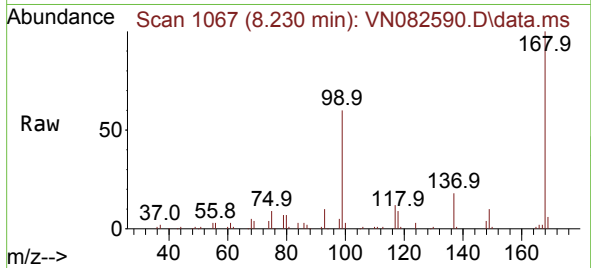




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

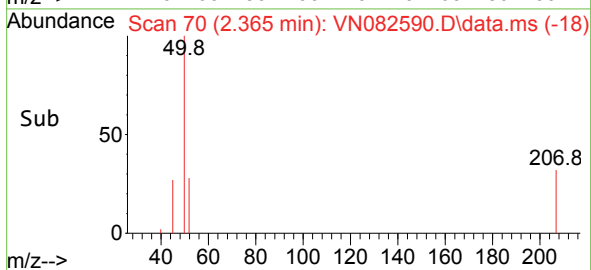
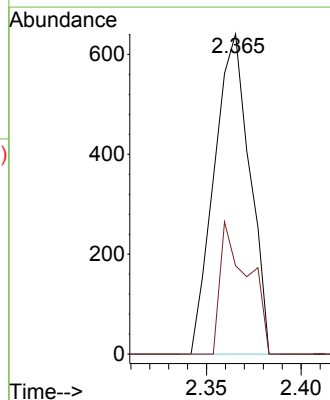
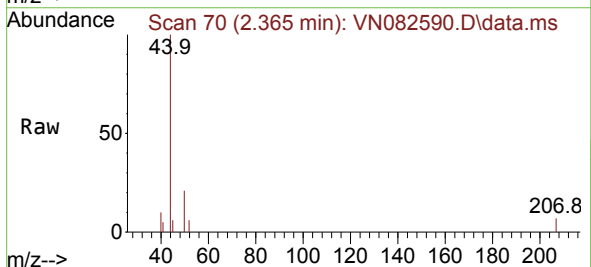
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-418-420

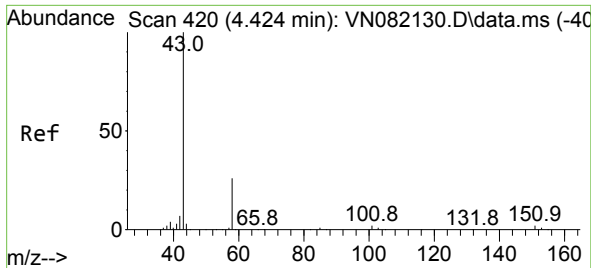
Tgt Ion:168 Resp: 159295
Ion Ratio Lower Upper
168 100
99 59.5 48.2 72.4



#3
Chloromethane
Concen: 0.321 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

Tgt Ion: 50 Resp: 835
Ion Ratio Lower Upper
50 100
52 27.6 25.5 38.3

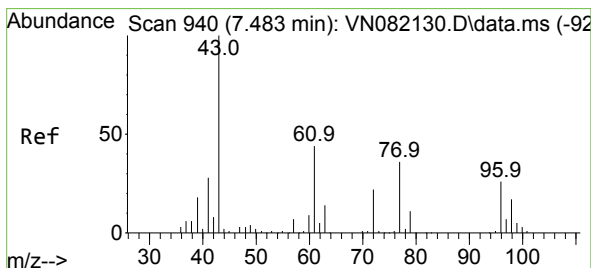
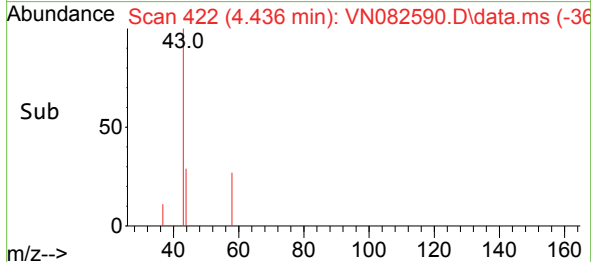
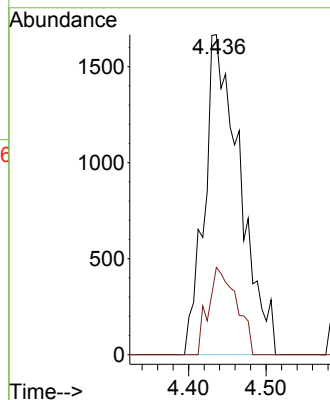
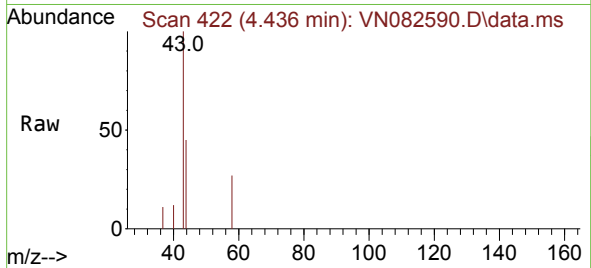




#16
Acetone
Concen: 5.118 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

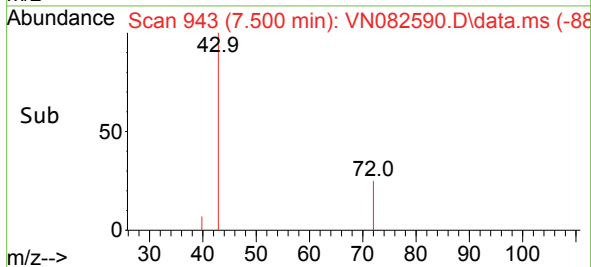
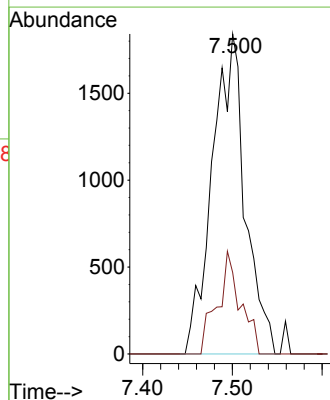
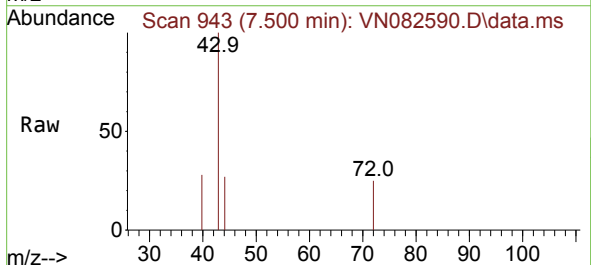
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-418-420

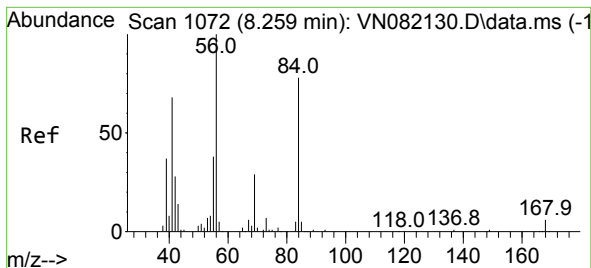
Tgt Ion: 43 Resp: 5281
Ion Ratio Lower Upper
43 100
58 27.3 25.2 37.8



#25
2-Butanone
Concen: 2.987 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

Tgt Ion: 43 Resp: 4673
Ion Ratio Lower Upper
43 100
72 25.5 25.3 37.9





#31

Cyclohexane

Concen: 1.118 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082590.D

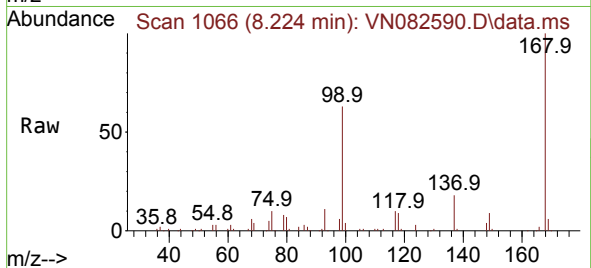
Acq: 14 Jun 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-418-420



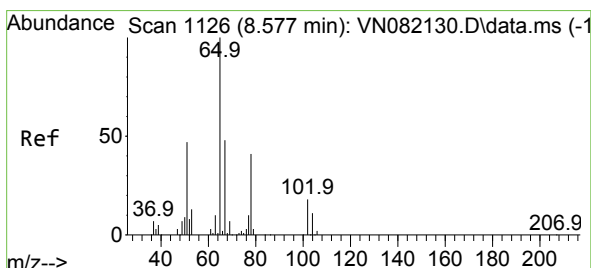
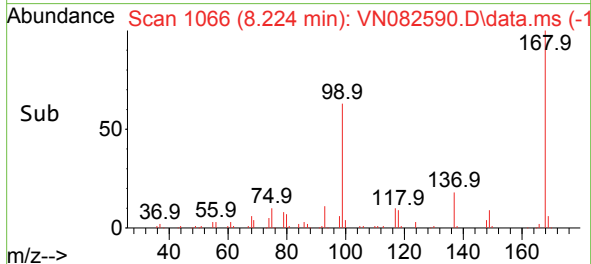
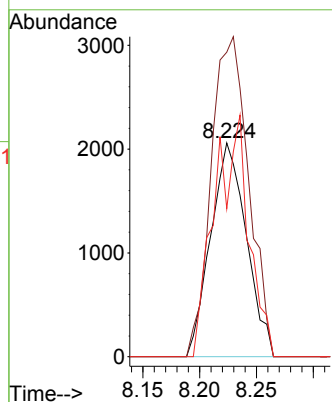
Tgt Ion: 56 Resp: 4492

Ion Ratio Lower Upper

56 100

69 142.4 24.4 36.6#

84 69.3 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 53.941 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082590.D

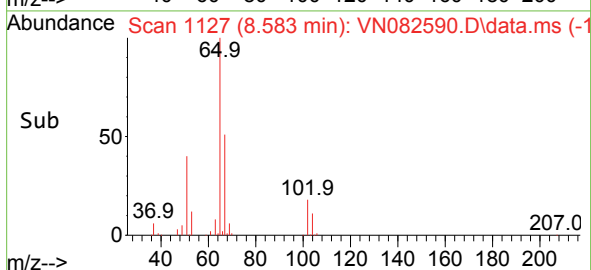
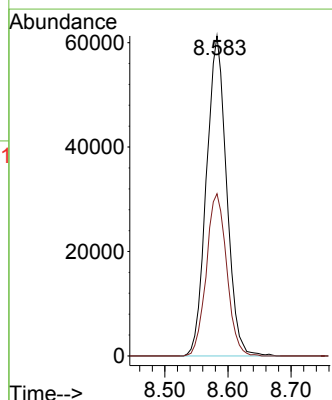
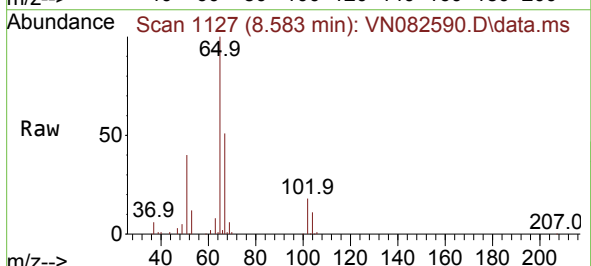
Acq: 14 Jun 2024 18:05

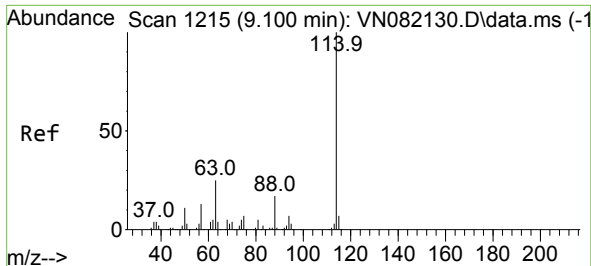
Tgt Ion: 65 Resp: 135679

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN082590.D

Acq: 14 Jun 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-418-420

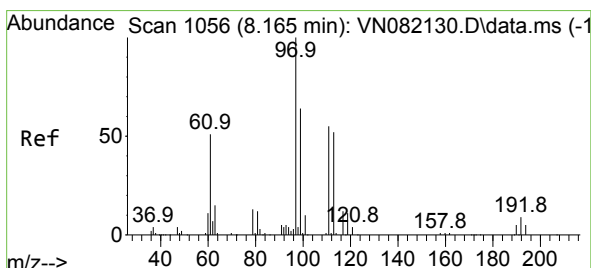
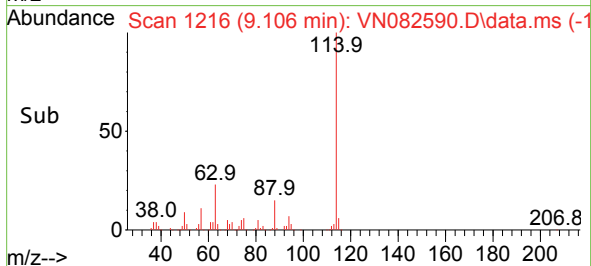
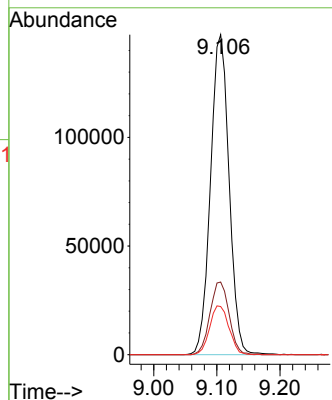
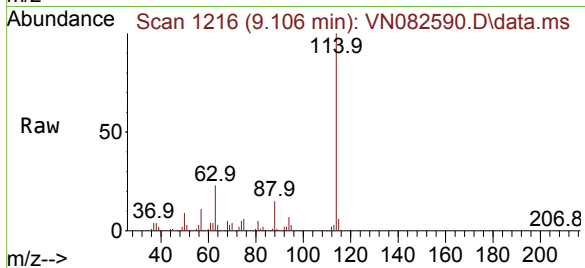
Tgt Ion:114 Resp: 300610

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.0

88 15.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.194 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082590.D

Acq: 14 Jun 2024 18:05

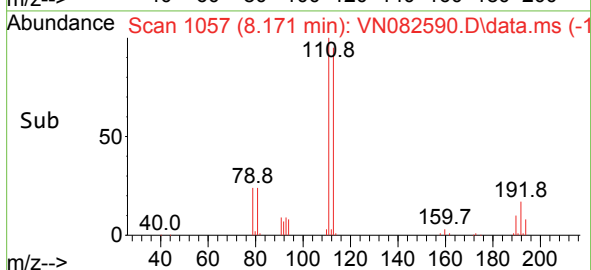
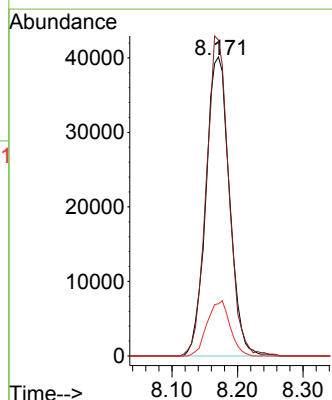
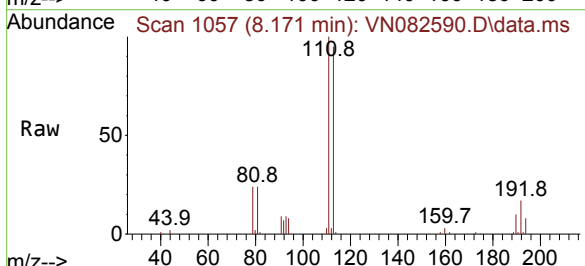
Tgt Ion:113 Resp: 100216

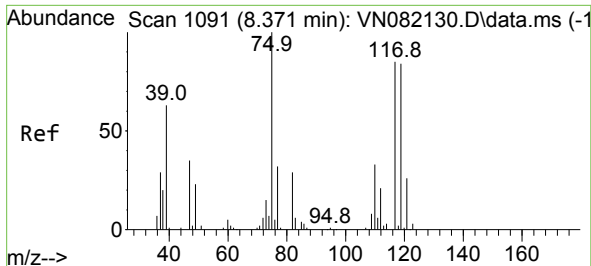
Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

192 17.9 14.0 21.0

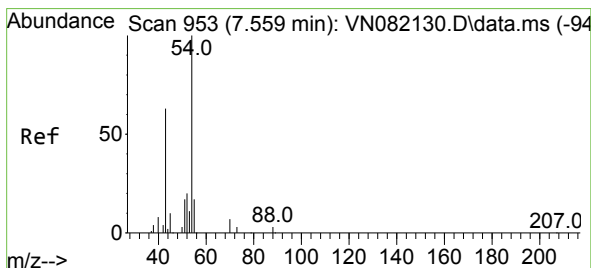
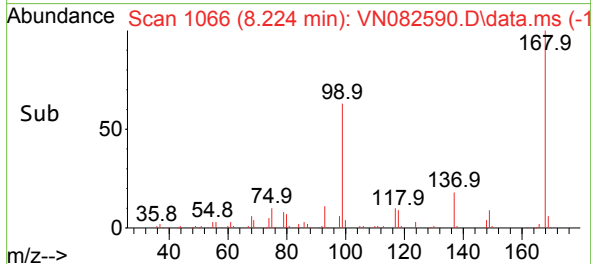
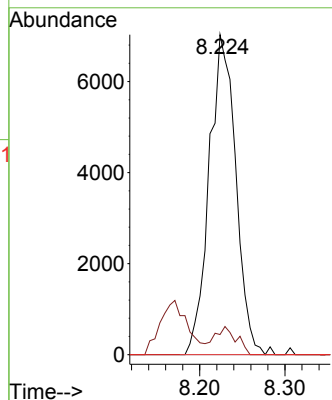
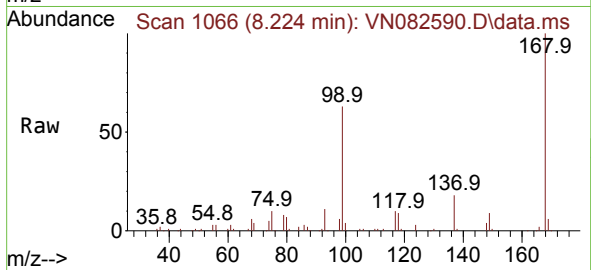




#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

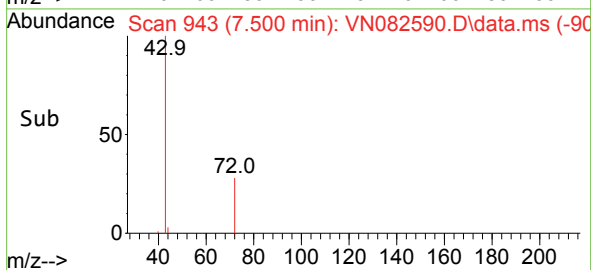
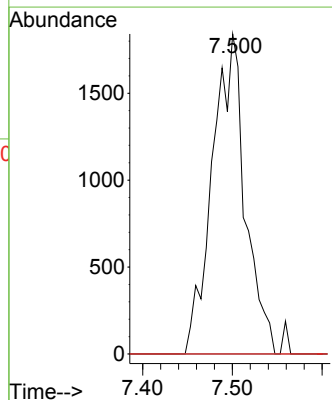
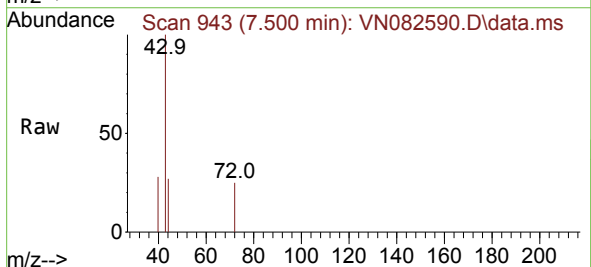
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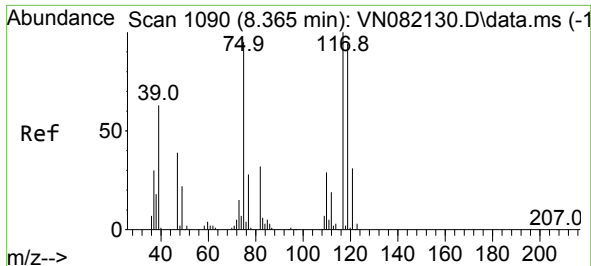
Tgt Ion: 75 Resp: 15290
Ion Ratio Lower Upper
75 100
110 7.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.346 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.059 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

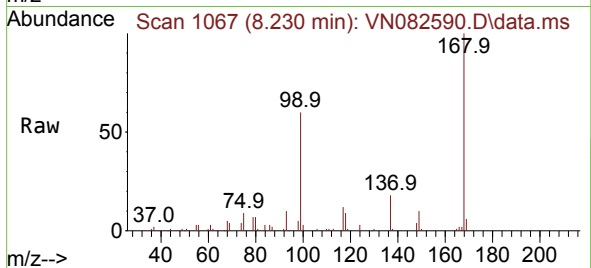
Tgt Ion: 43 Resp: 4673
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



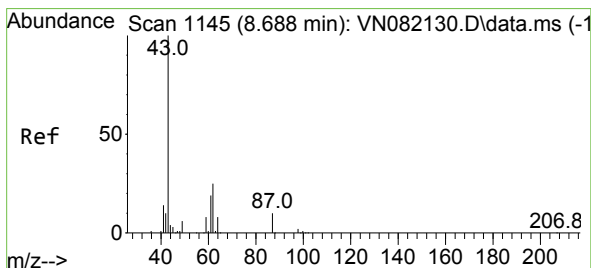
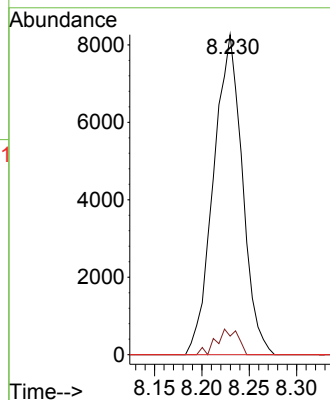
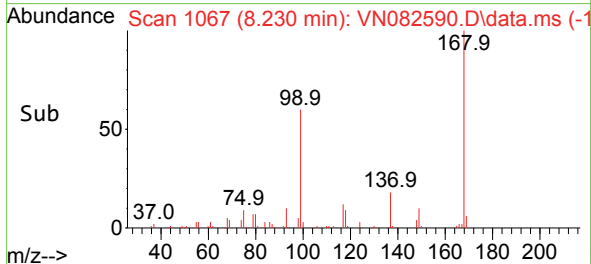


#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

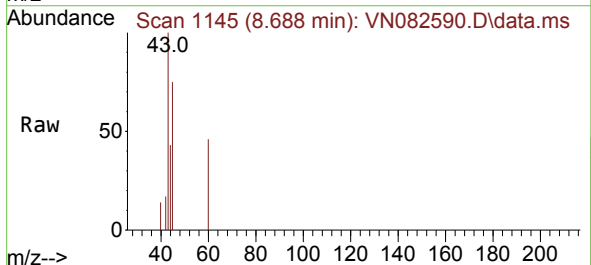
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-418-420



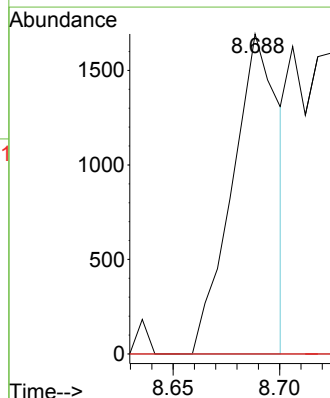
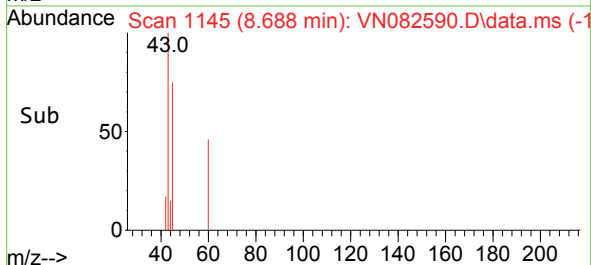
Tgt Ion:117 Resp: 17487
Ion Ratio Lower Upper
117 100
119 5.8 76.5 114.7#
121 0.0 23.9 35.9#

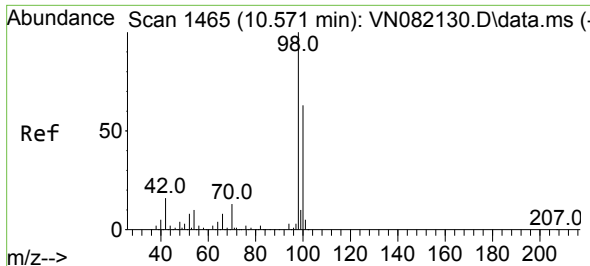


#43
Isopropyl Acetate
Concen: 0.416 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05



Tgt Ion: 43 Resp: 2557
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#

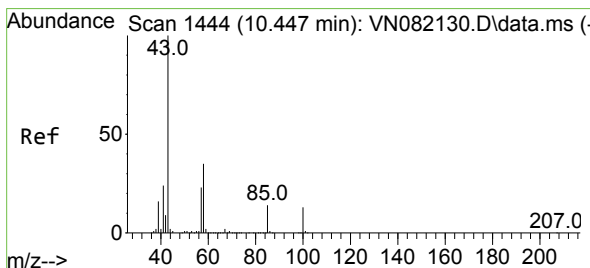
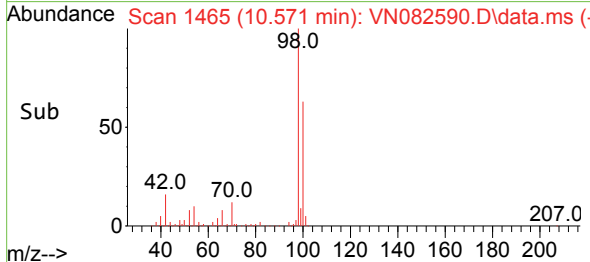
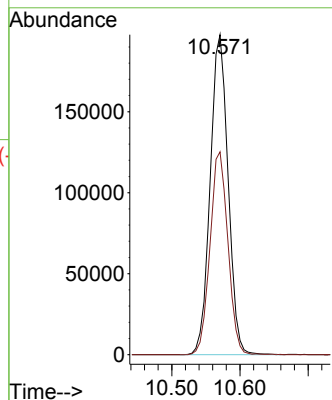
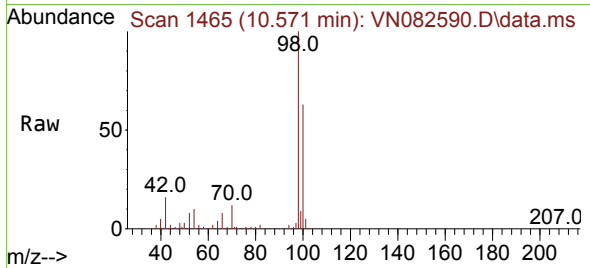




#50
Toluene-d8
Concen: 50.874 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

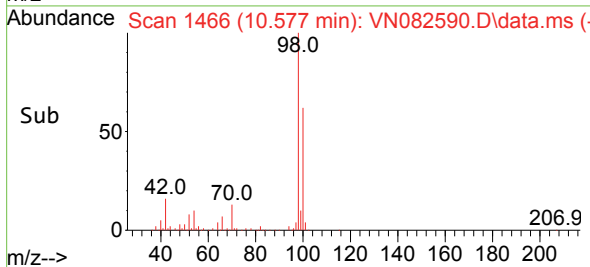
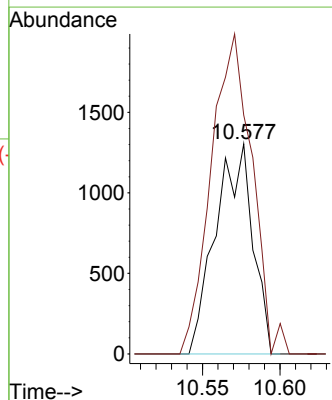
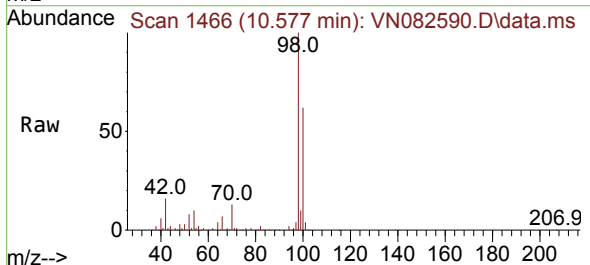
Instrument :
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BP-VPB-189-GW-418-420

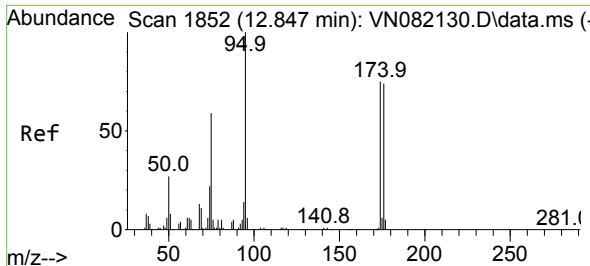
Tgt Ion: 98 Resp: 360687
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
58 167.8 33.2 49.8#

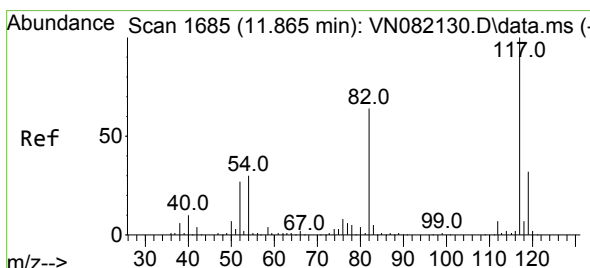
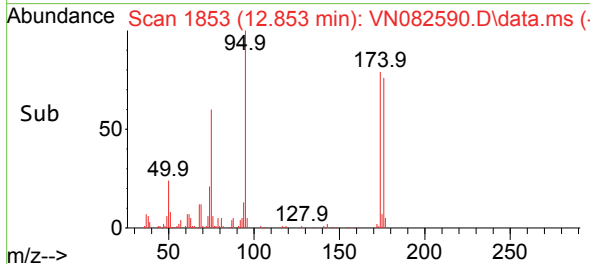
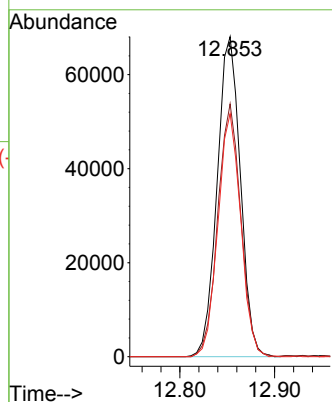
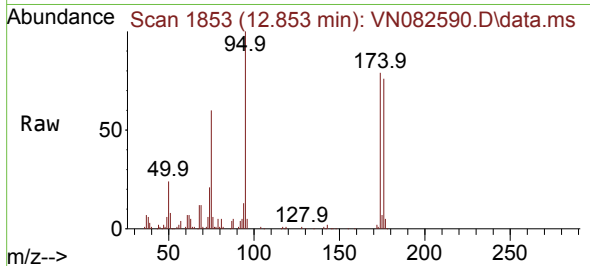




#62
4-Bromofluorobenzene
Concen: 45.869 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

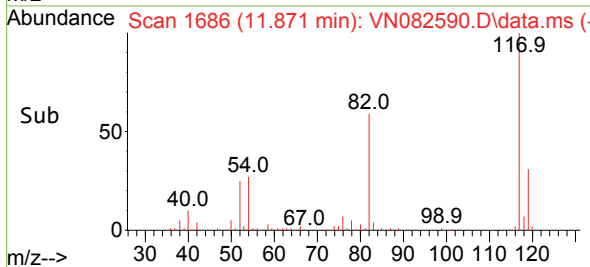
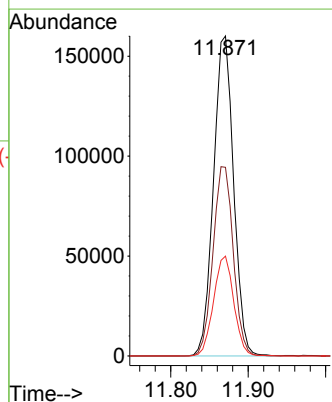
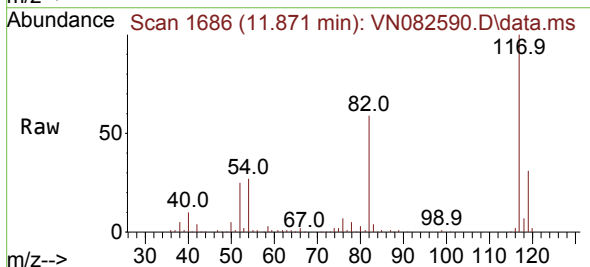
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-418-420

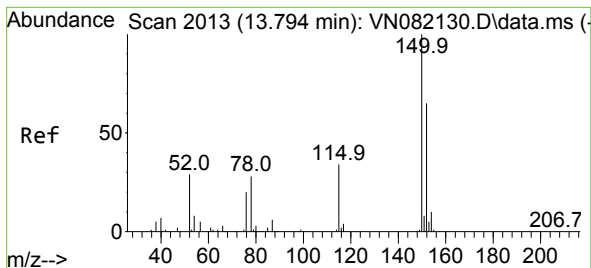
Tgt Ion: 95 Resp: 116071
Ion Ratio Lower Upper
95 100
174 78.2 0.0 160.6
176 74.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082590.D
Acq: 14 Jun 2024 18:05

Tgt Ion: 117 Resp: 288379
Ion Ratio Lower Upper
117 100
82 59.0 44.6 66.8
119 31.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082590.D

Acq: 14 Jun 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-418-420

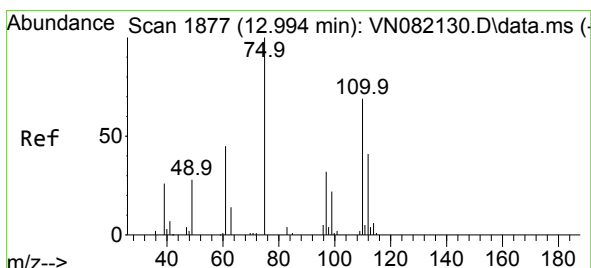
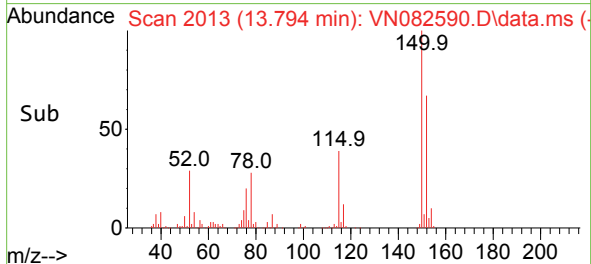
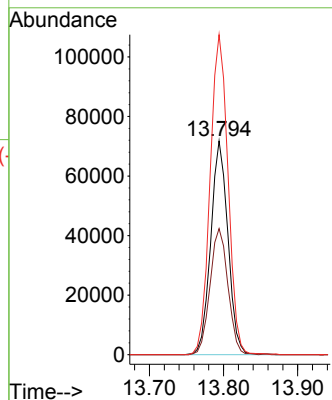
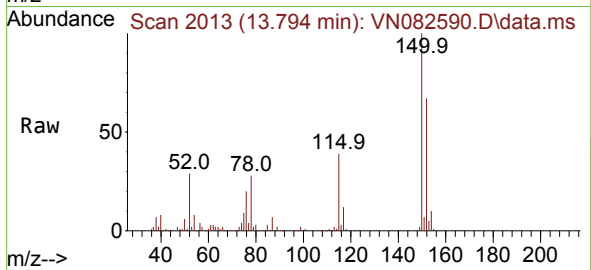
Tgt Ion:152 Resp: 115807

Ion Ratio Lower Upper

152 100

115 61.4 30.4 91.3

150 155.4 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 28.014 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082590.D

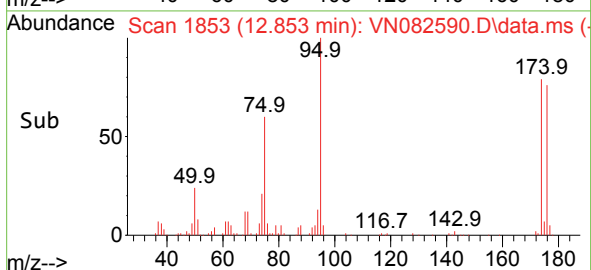
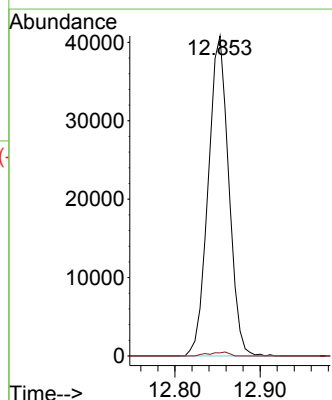
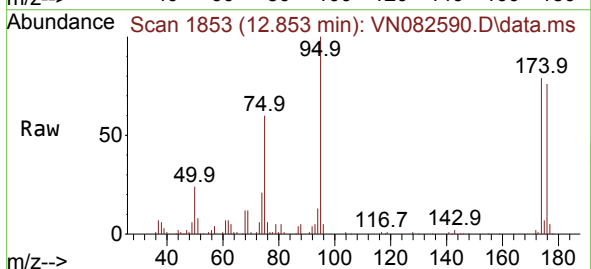
Acq: 14 Jun 2024 18:05

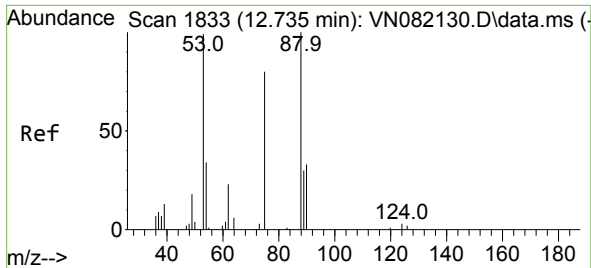
Tgt Ion: 75 Resp: 68283

Ion Ratio Lower Upper

75 100

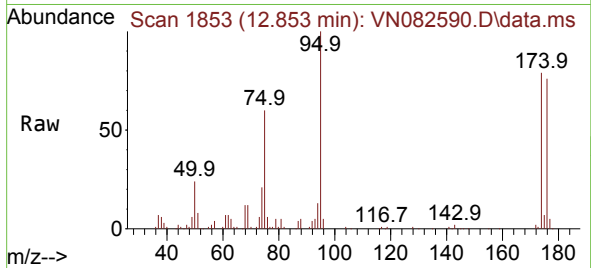
77 1.2 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.524 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082590.D
 Acq: 14 Jun 2024 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-418-420



Tgt Ion: 75 Resp: 68283
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

