

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
 Data File : VN084435.D
 Acq On : 21 Oct 2024 14:53
 Operator : JC\MD
 Sample : P4438-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VPB190-HYD-20241016

Quant Time: Oct 22 07:53:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

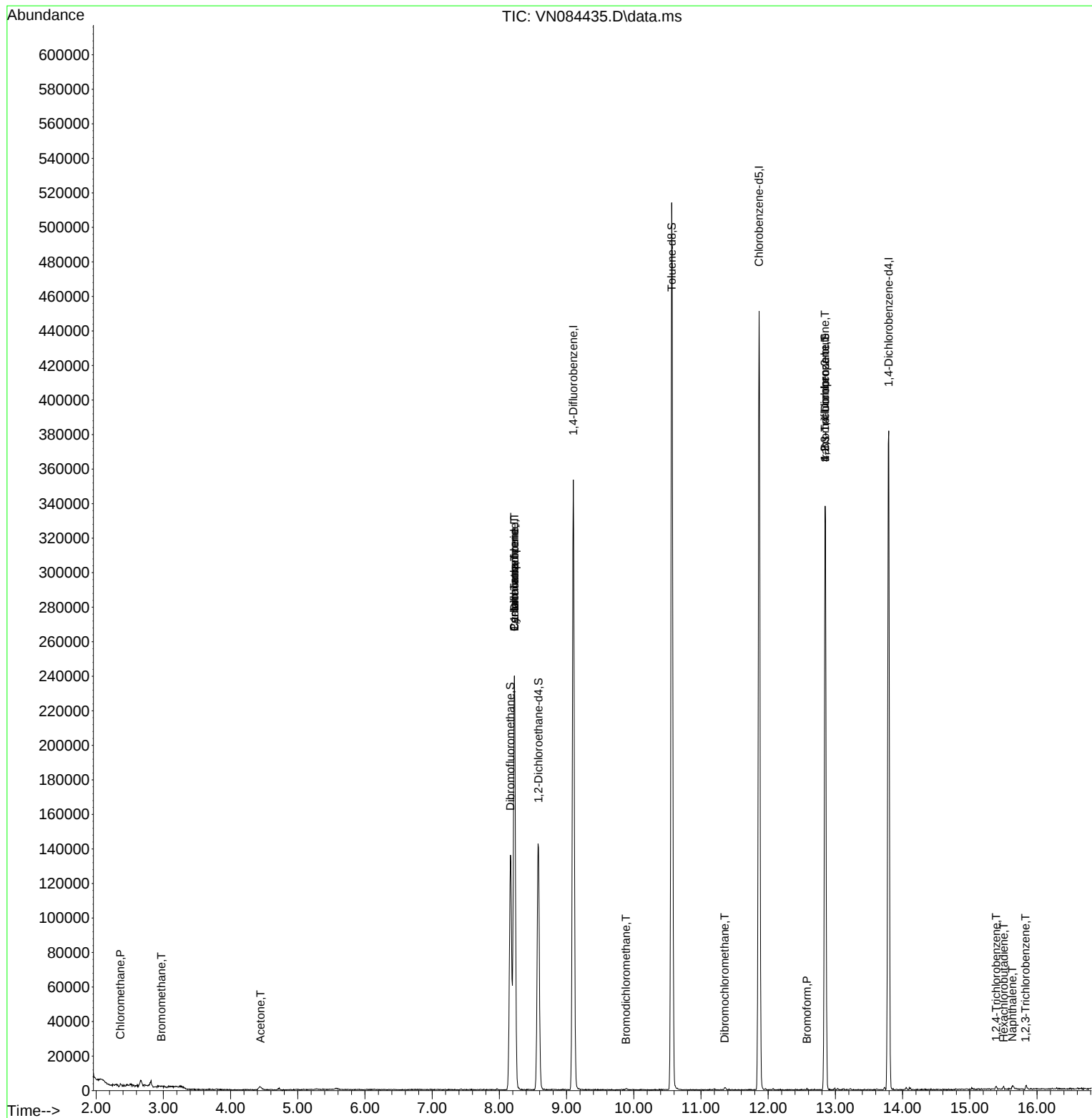
Internal Standards						
1) Pentafluorobenzene	8.224	168	171057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121285	47.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.640%		
35) Dibromofluoromethane	8.165	113	98459	49.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.565	98	352871	48.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.160%		
62) 4-Bromofluorobenzene	12.847	95	118686	44.849	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.700%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	877	0.380	ug/l #	88
5) Bromomethane	2.971	94	382	0.259	ug/l #	78
16) Acetone	4.448	43	4008	3.679	ug/l #	83
31) Cyclohexane	8.224	56	3703	0.986	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14653	5.109	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19140	6.084	ug/l #	15
47) Bromodichloromethane	9.882	83	775	0.245	ug/l #	98
60) Dibromochloromethane	11.353	129	1100	0.477	ug/l	91
71) Bromoform	12.576	173	538	0.373	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	62662	29.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62662	70.612	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	786	0.452	ug/l #	80
94) Hexachlorobutadiene	15.506	225	604	0.697	ug/l #	24
95) Naphthalene	15.635	128	3102	0.538	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.829	180	556	0.320	ug/l	97

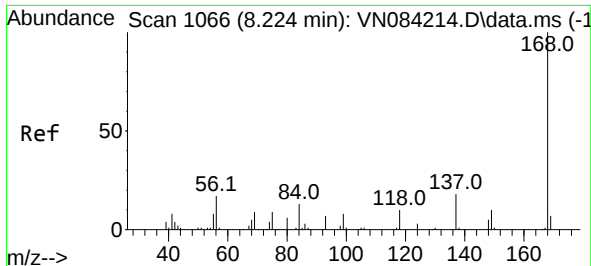
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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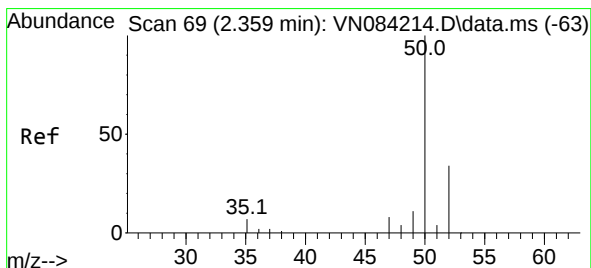
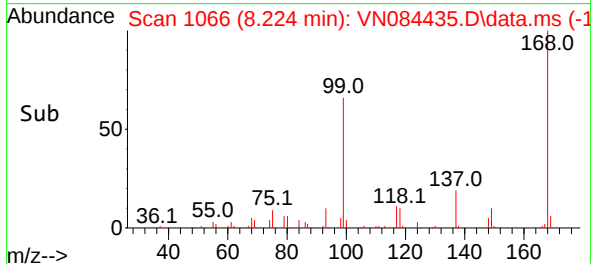
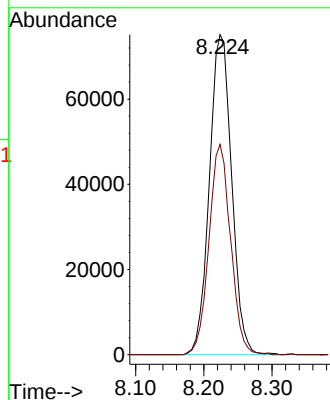
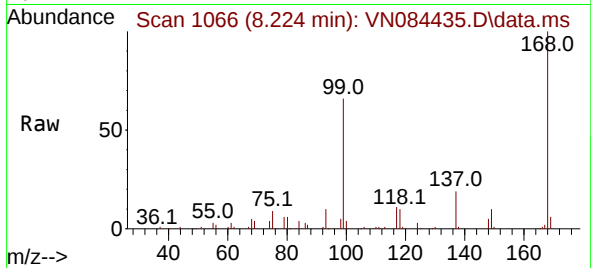




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

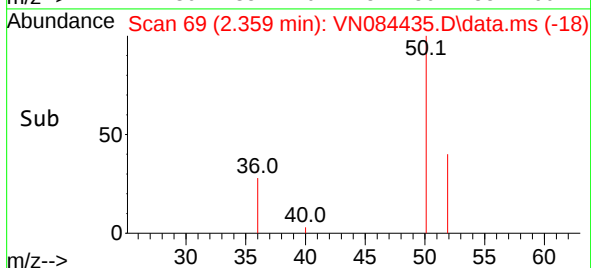
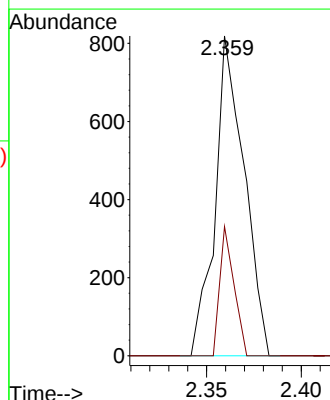
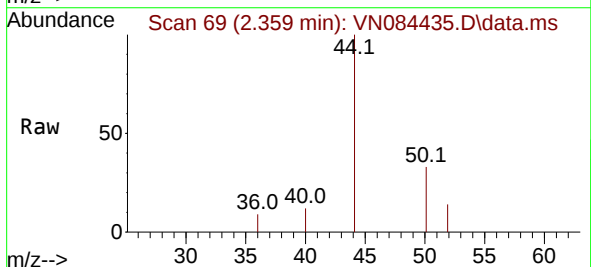
Instrument :
MSVOA_N
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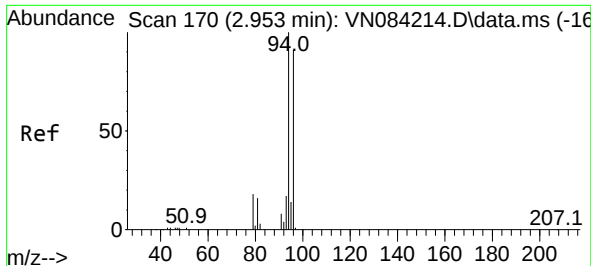
Tgt Ion:168 Resp: 171057
Ion Ratio Lower Upper
168 100
99 65.7 54.2 81.2



#3
Chloromethane
Concen: 0.380 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 50 Resp: 877
Ion Ratio Lower Upper
50 100
52 40.4 26.8 40.2#

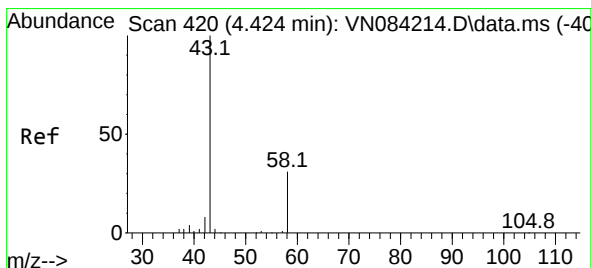
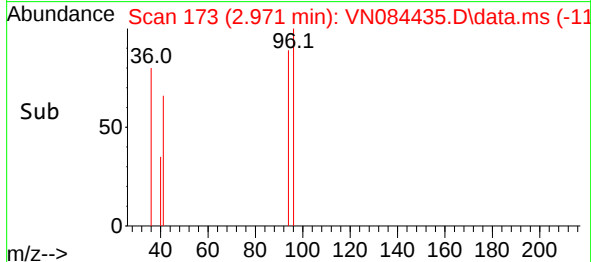
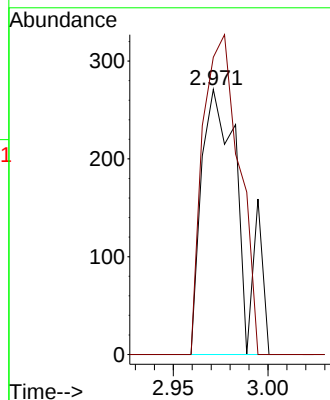
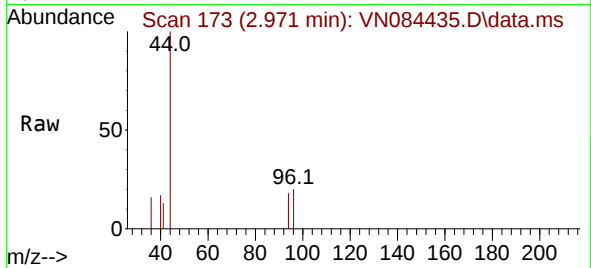




#5
Bromomethane
Concen: 0.259 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

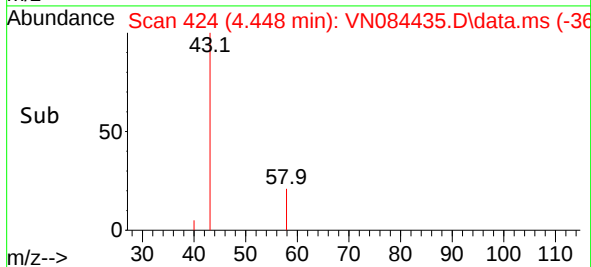
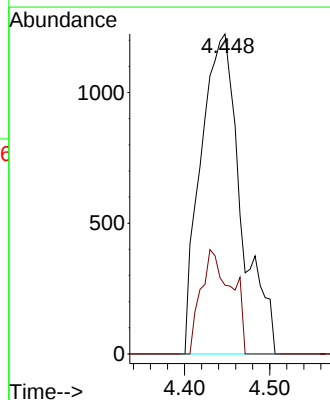
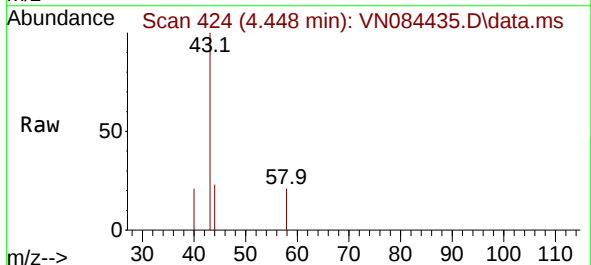
Instrument :
MSVOA_N
ClientSampleId :
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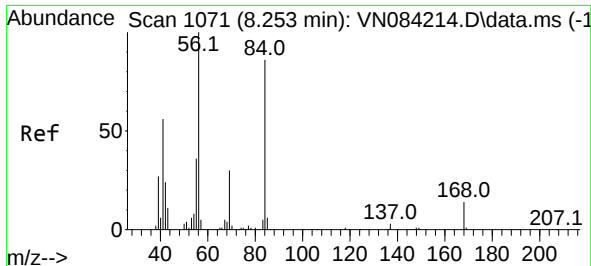
Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 112.2 72.9 109.3#



#16
Acetone
Concen: 3.679 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 43 Resp: 4008
Ion Ratio Lower Upper
43 100
58 21.5 24.4 36.6#

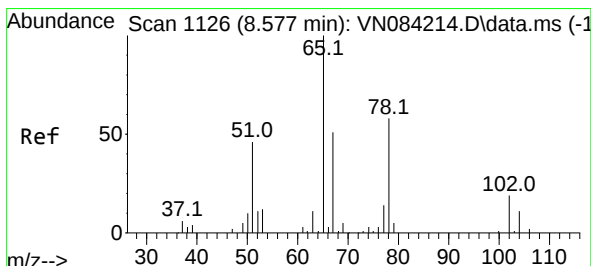
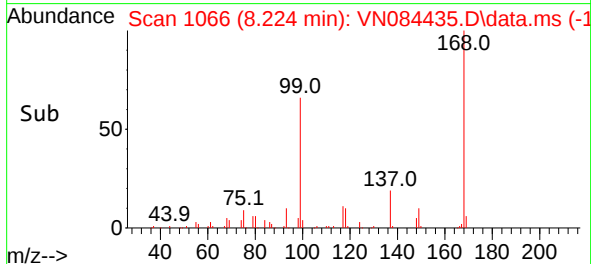
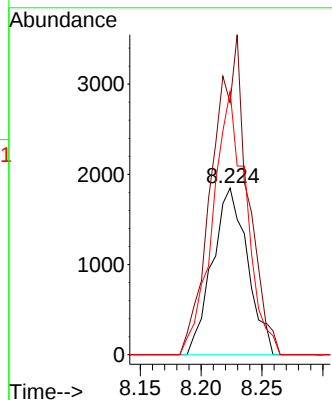
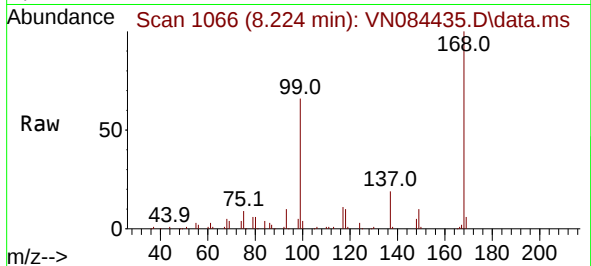




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

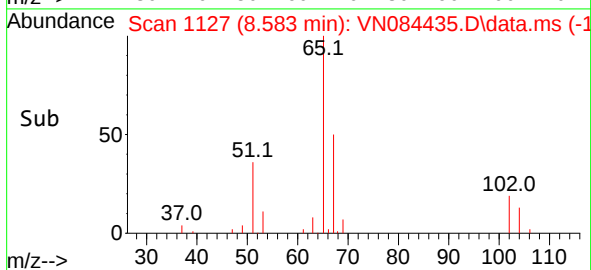
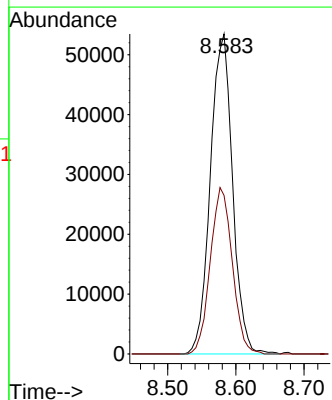
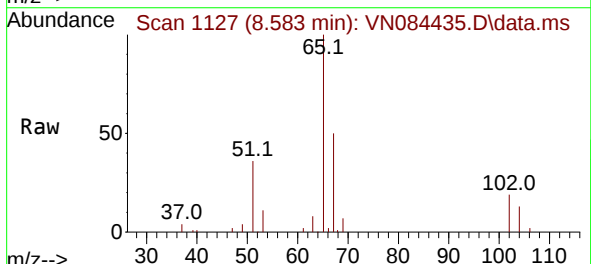
Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

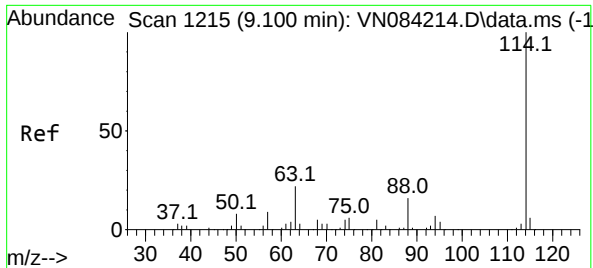
Tgt Ion: 56 Resp: 3703
Ion Ratio Lower Upper
56 100
69 151.2 23.8 35.6#
84 158.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.821 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 65 Resp: 121285
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.0

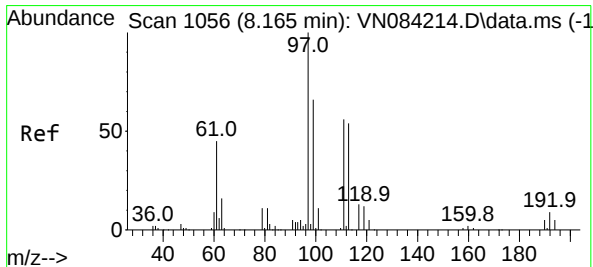
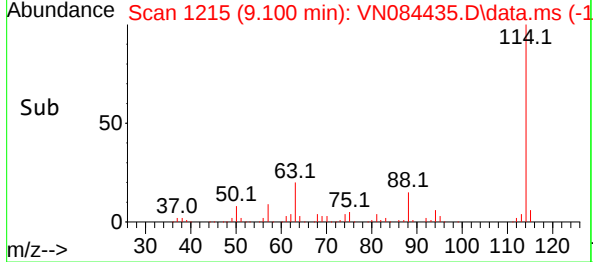
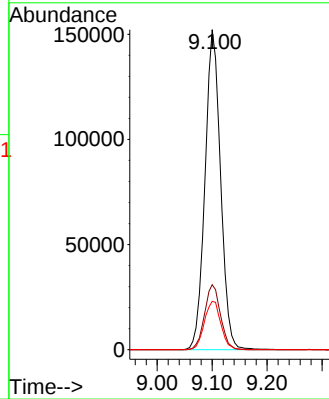
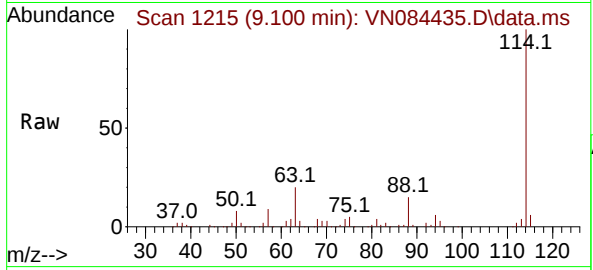




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

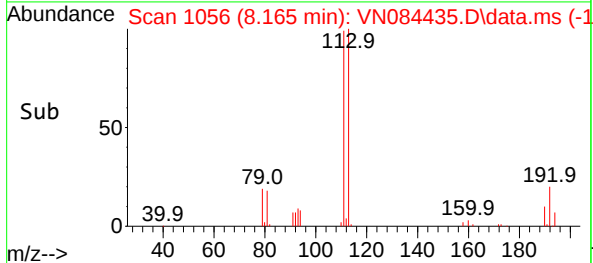
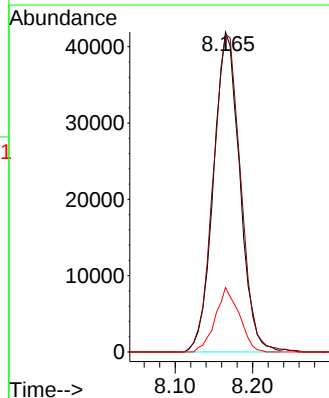
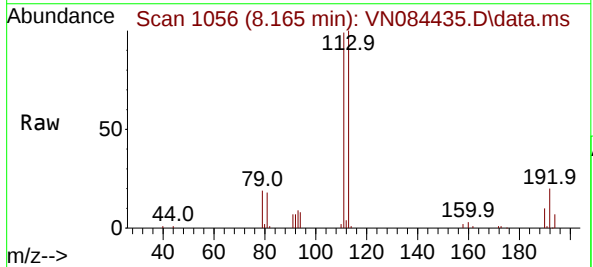
Instrument :
MSVOA_N
ClientSampleId :
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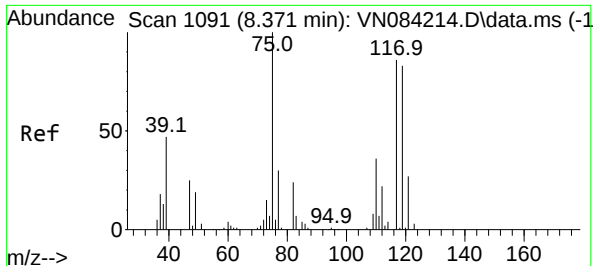
Tgt Ion:114 Resp: 299485
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.8
88 15.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.868 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion:113 Resp: 98459
Ion Ratio Lower Upper
113 100
111 103.5 83.3 124.9
192 18.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084435.D

Acq: 21 Oct 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

VPB190-HYD-20241016

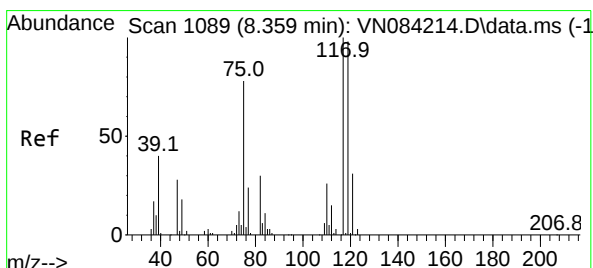
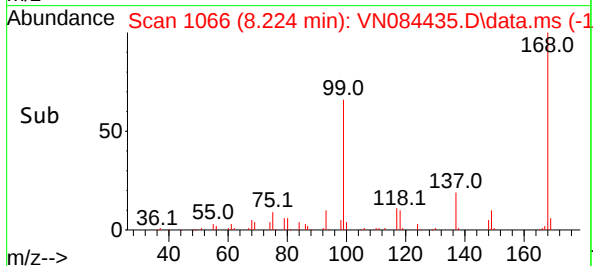
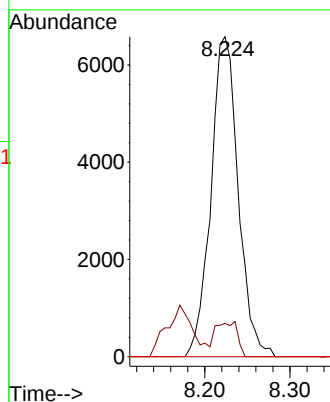
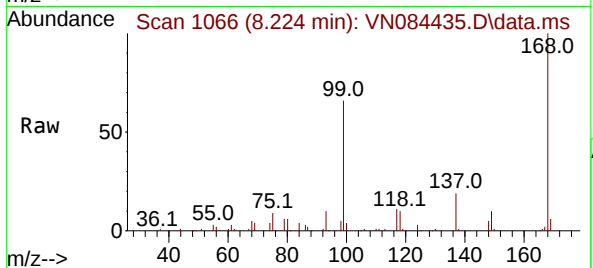
Tgt Ion: 75 Resp: 14653

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084435.D

Acq: 21 Oct 2024 14:53

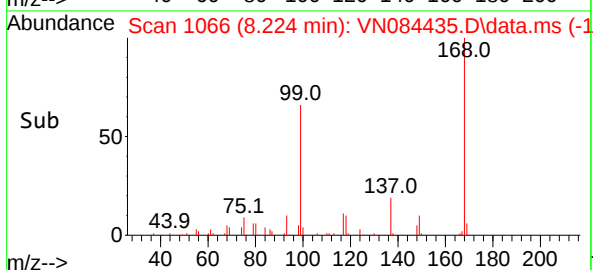
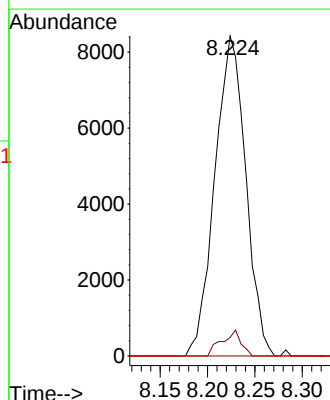
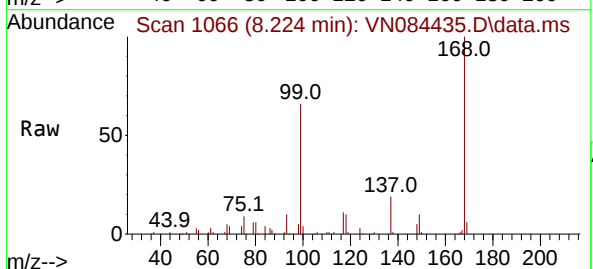
Tgt Ion: 117 Resp: 19140

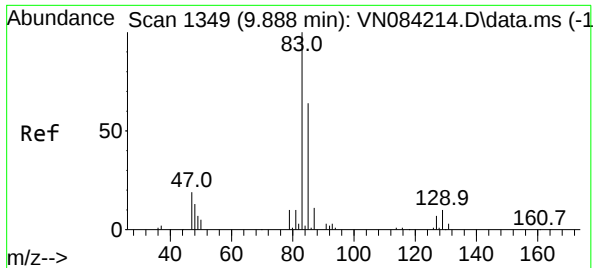
Ion Ratio Lower Upper

117 100

119 5.8 78.7 118.1#

121 0.0 24.4 36.6#

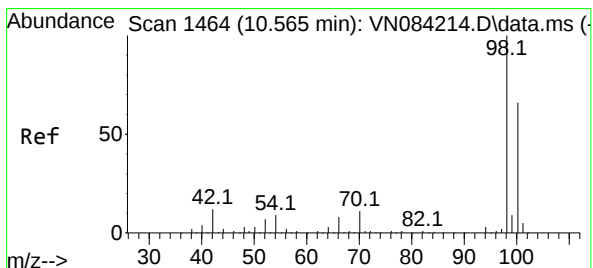
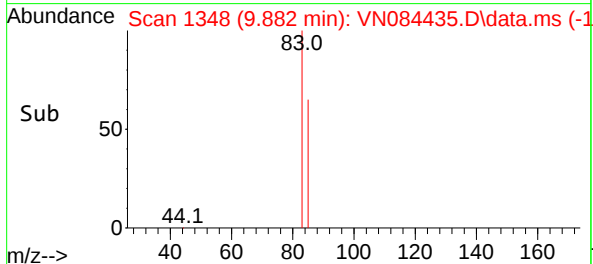
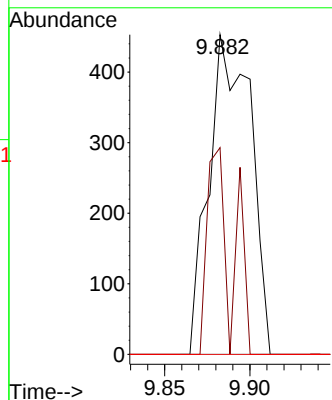
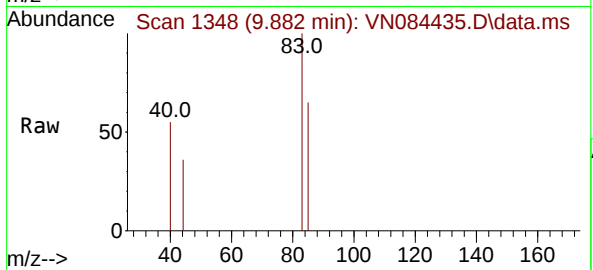




#47
Bromodichloromethane
Concen: 0.245 ug/l
RT: 9.882 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

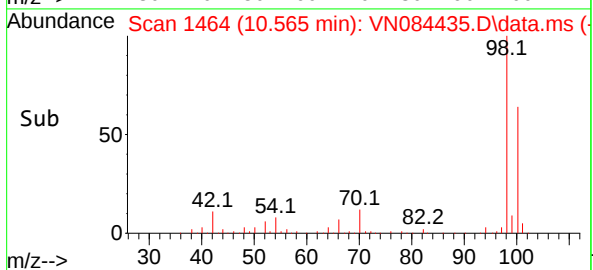
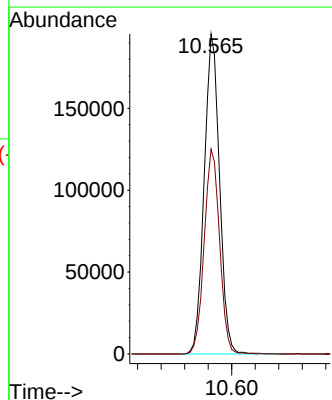
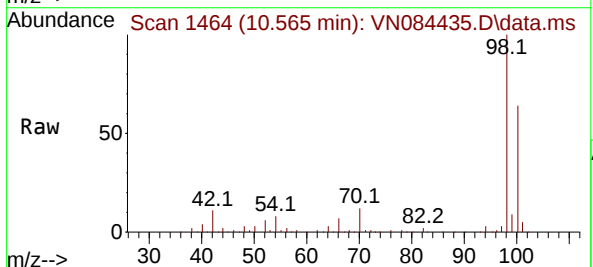
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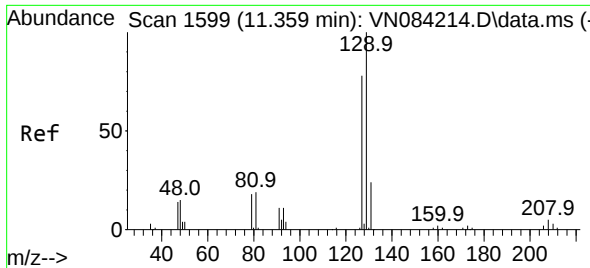
Tgt Ion: 83 Resp: 775
Ion Ratio Lower Upper
83 100
85 64.7 51.5 77.3
127 0.0 5.7 8.5#



#50
Toluene-d8
Concen: 48.578 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 98 Resp: 352871
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1

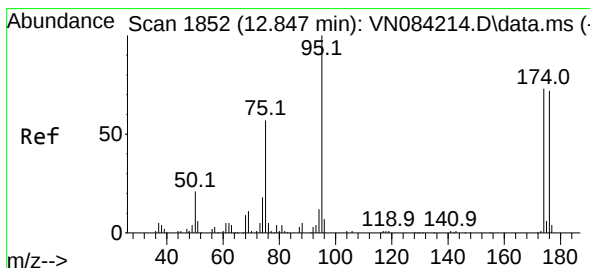
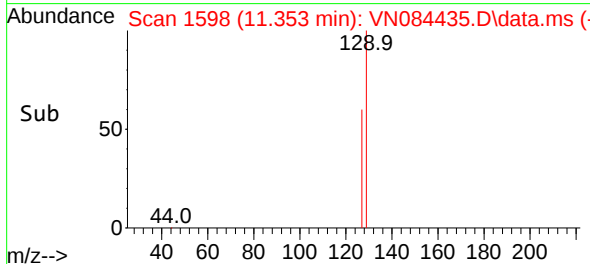
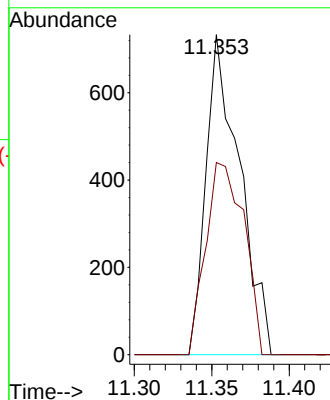
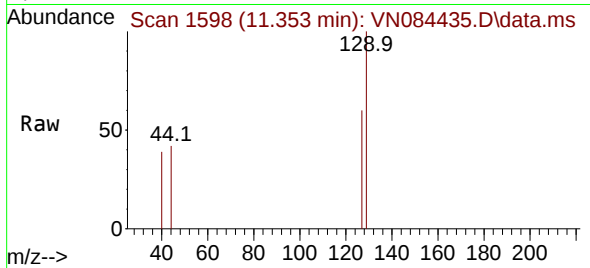




#60
Dibromochloromethane
Concen: 0.477 ug/l
RT: 11.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

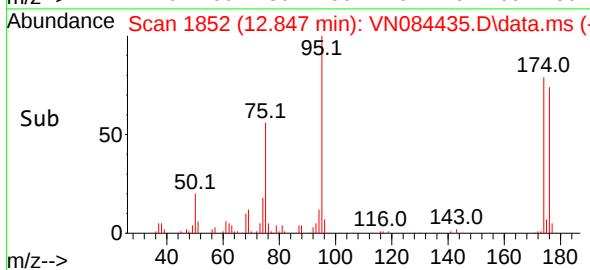
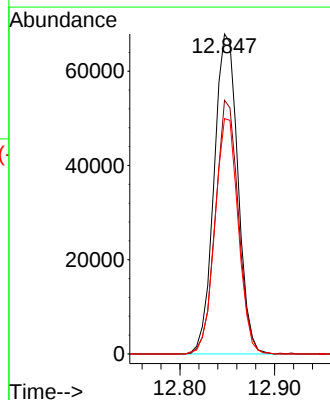
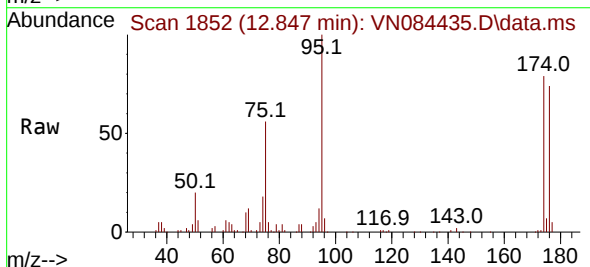
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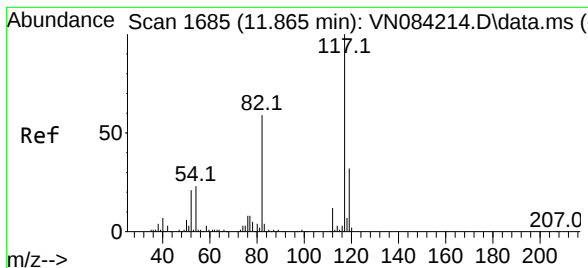
Tgt Ion:129 Resp: 1100
Ion Ratio Lower Upper
129 100
127 68.8 38.3 114.9



#62
4-Bromofluorobenzene
Concen: 44.849 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 95 Resp: 118686
Ion Ratio Lower Upper
95 100
174 76.5 0.0 145.2
176 72.3 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084435.D

Acq: 21 Oct 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

VPB190-HYD-20241016

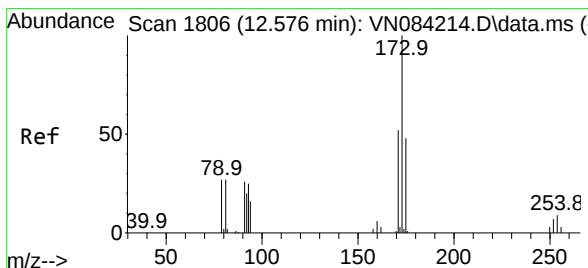
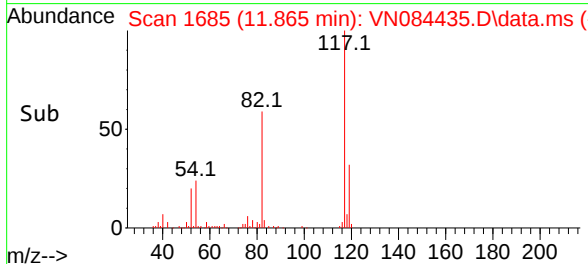
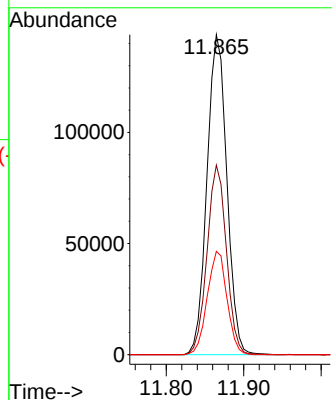
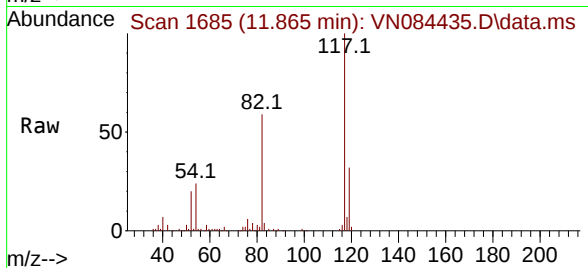
Tgt Ion:117 Resp: 256223

Ion Ratio Lower Upper

117 100

82 59.3 47.2 70.8

119 32.3 25.4 38.0



#71

Bromoform

Concen: 0.373 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN084435.D

Acq: 21 Oct 2024 14:53

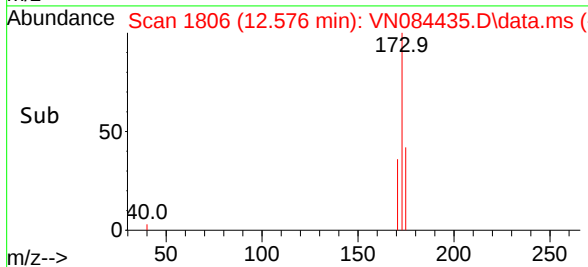
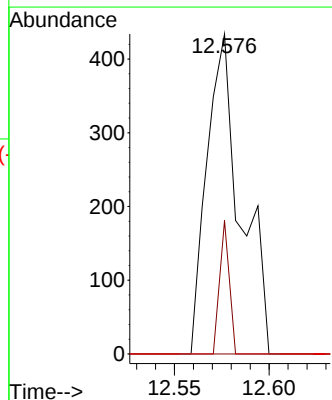
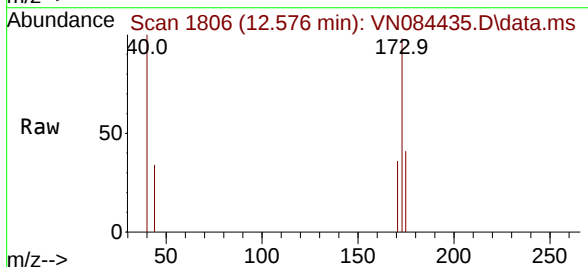
Tgt Ion:173 Resp: 538

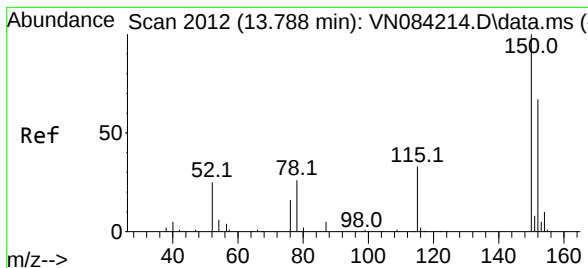
Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

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. 0.006 min

Lab File: VN084435.D

Acq: 21 Oct 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

VPB190-HYD-20241016

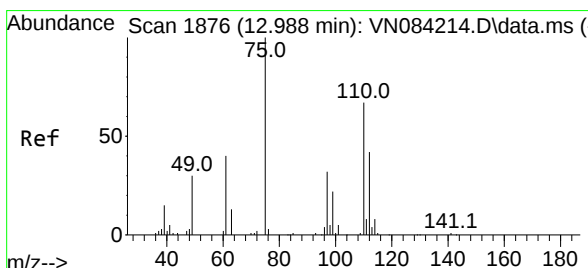
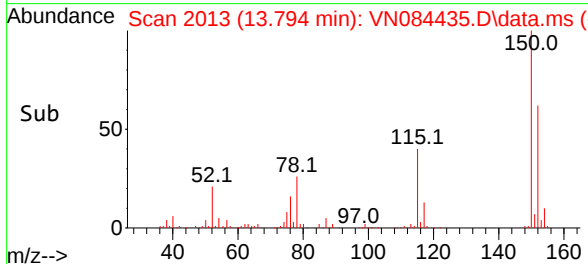
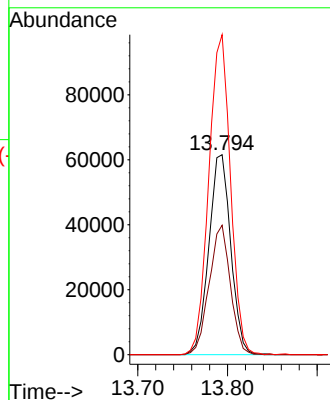
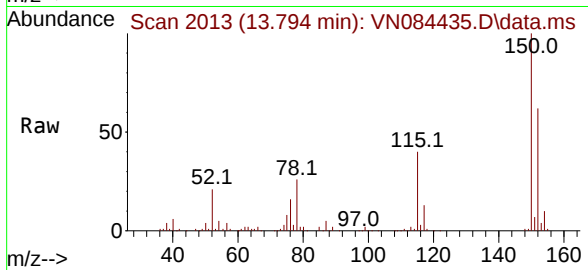
Tgt Ion:152 Resp: 104212

Ion Ratio Lower Upper

152 100

115 62.8 31.3 93.9

150 158.4 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.453 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084435.D

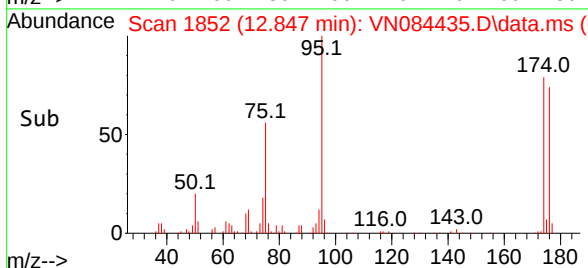
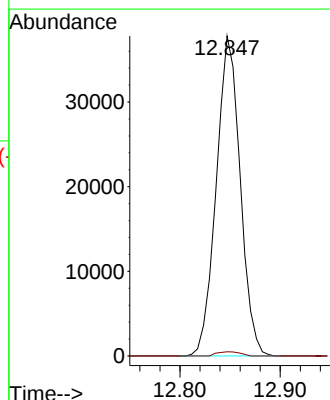
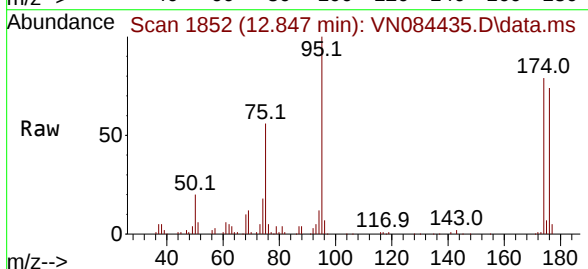
Acq: 21 Oct 2024 14:53

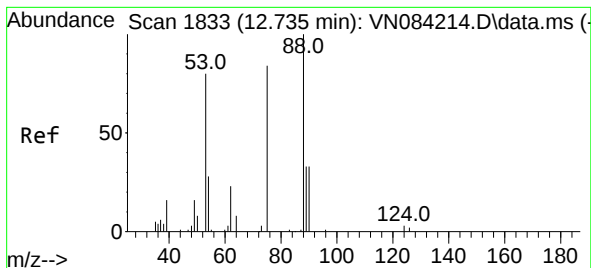
Tgt Ion: 75 Resp: 62662

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

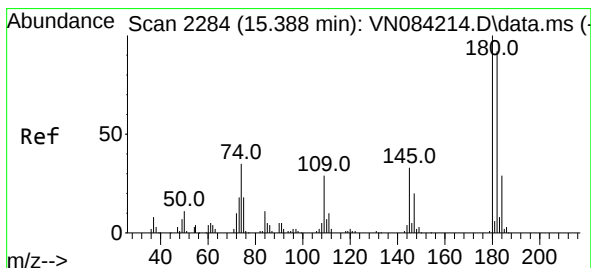
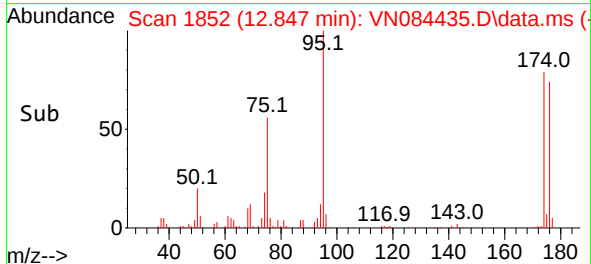
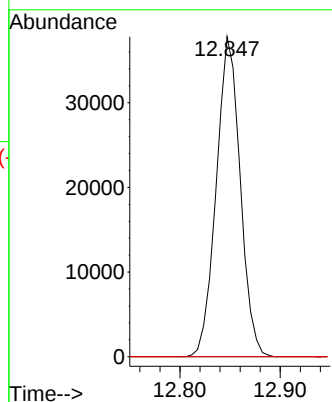
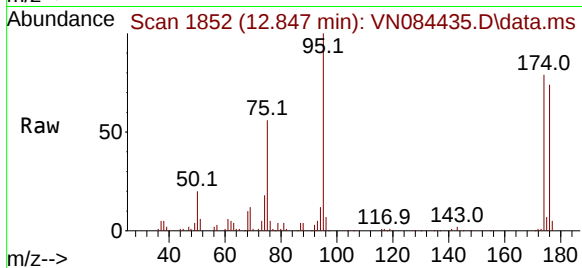




#81
trans-1,4-Dichloro-2-butene
Concen: 70.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

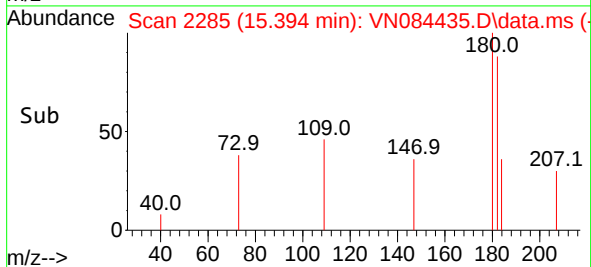
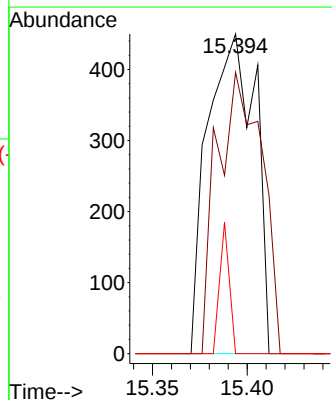
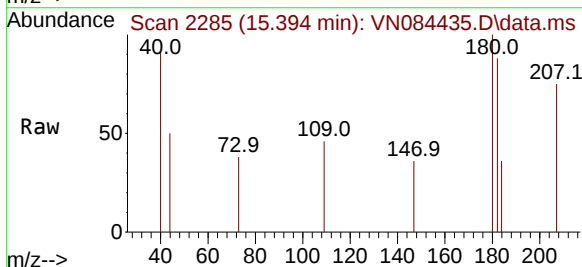
Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

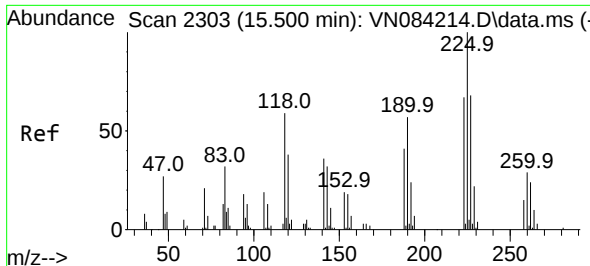
Tgt Ion: 75 Resp: 62662
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.452 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion:180 Resp: 786
Ion Ratio Lower Upper
180 100
182 82.4 47.0 141.0
145 8.3 16.4 49.4#

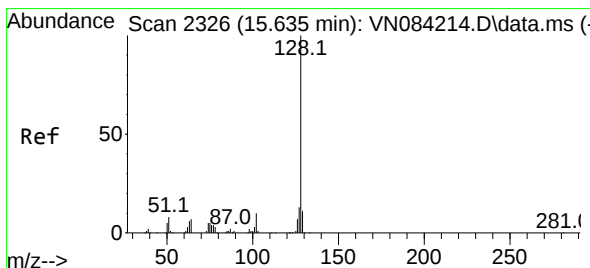
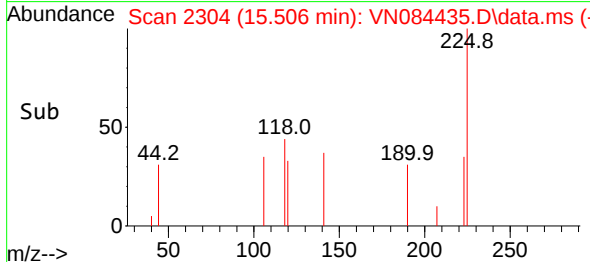
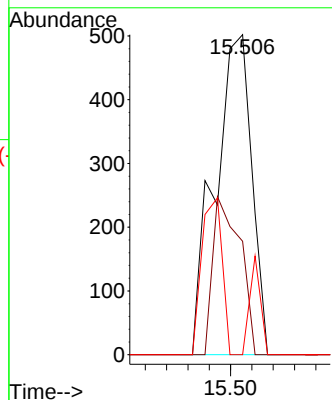
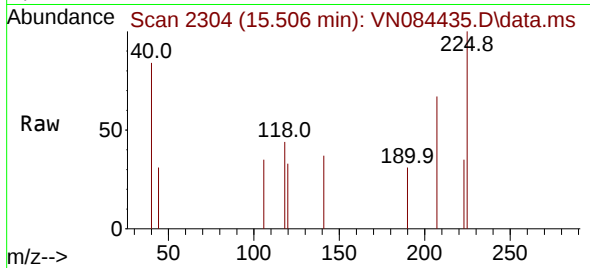




#94
Hexachlorobutadiene
Concen: 0.697 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

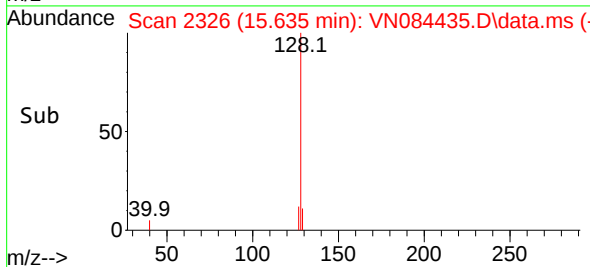
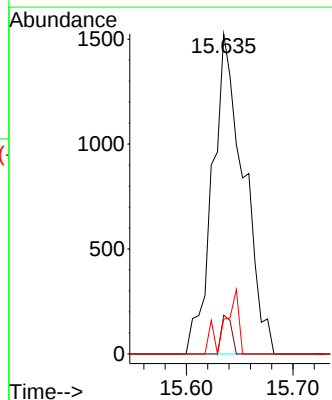
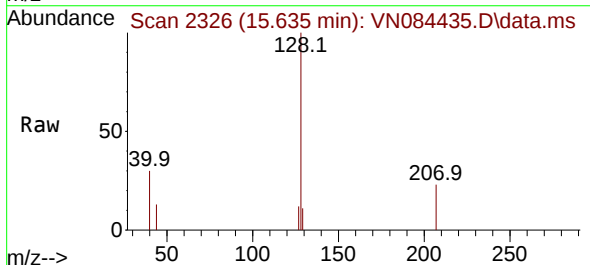
Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

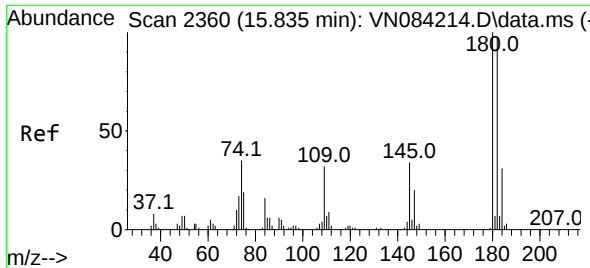
Tgt Ion:225 Resp: 604
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 9.1 32.4 97.0#



#95
Naphthalene
Concen: 0.538 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

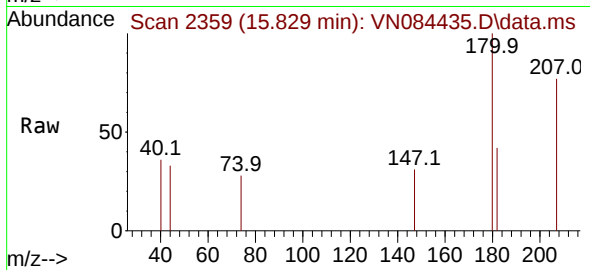
Tgt Ion:128 Resp: 3102
Ion Ratio Lower Upper
128 100
127 3.9 10.5 15.7#
129 9.2 8.7 13.1





#96
1,2,3-Trichlorobenzene
Concen: 0.320 ug/l
RT: 15.829 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016



Tgt Ion:180 Resp: 556
Ion Ratio Lower Upper
180 100
182 95.1 48.2 144.6
145 38.7 17.3 51.9

