

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
 Data File : VN084358.D
 Acq On : 09 Oct 2024 11:23
 Operator : JC\MD
 Sample : VN1009MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 10 01:16:15 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)

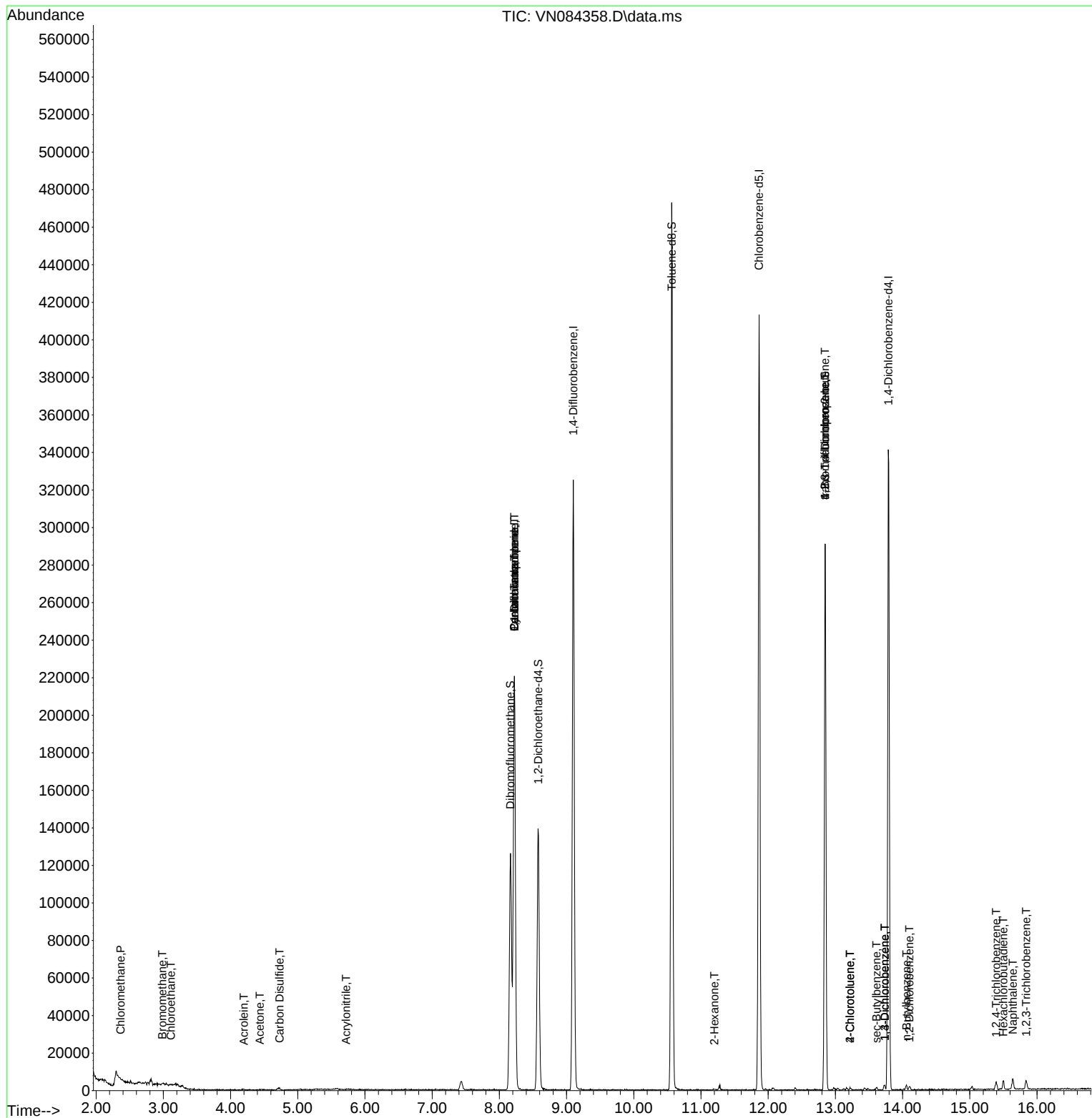
Internal Standards						
1) Pentafluorobenzene	8.224	168	154516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115588	50.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.900%			
35) Dibromofluoromethane	8.165	113	91951	51.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	10.565	98	326138	49.988	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.847	95	101414	42.667	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.340%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	682	0.327	ug/l #	41
5) Bromomethane	2.983	94	540	0.405	ug/l #	4
6) Chloroethane	3.112	64	385	0.266	ug/l #	45
13) Acrolein	4.200	56	441	1.017	ug/l #	70
15) Acrylonitrile	5.718	53	387	0.406	ug/l #	51
16) Acetone	4.436	43	246	0.250	ug/l #	44
17) Carbon Disulfide	4.730	76	2506	0.455	ug/l #	75
31) Cyclohexane	8.224	56	3885	1.145	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	13730	5.330	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17400	6.158	ug/l #	16
59) 2-Hexanone	11.200	43	533	0.283	ug/l	75
76) 1,2,3-Trichloropropane	12.847	75	51611	27.361	ug/l #	1
79) 2-Chlorotoluene	13.218	91	1055	0.202	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.847	75	51611	65.596	ug/l #	11
82) 4-Chlorotoluene	13.218	91	1055	0.201	ug/l	88
85) sec-Butylbenzene	13.612	105	1390	0.204	ug/l	80
87) 1,3-Dichlorobenzene	13.735	146	976	0.306	ug/l	80
88) 1,4-Dichlorobenzene	13.735	146	976	0.303	ug/l	81
89) n-Butylbenzene	14.059	91	1959	0.383	ug/l	88
91) 1,2-Dichlorobenzene	14.100	146	1027	0.328	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1770	1.149	ug/l	88
94) Hexachlorobutadiene	15.500	225	978	1.273	ug/l	95
95) Naphthalene	15.641	128	6453	1.263	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	2353	1.525	ug/l	88

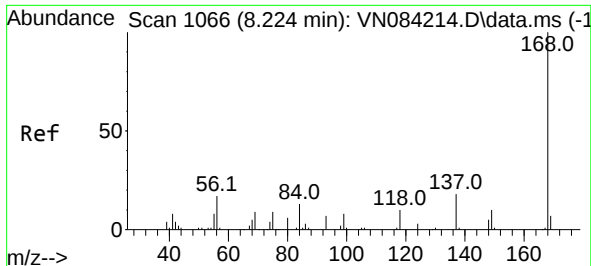
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

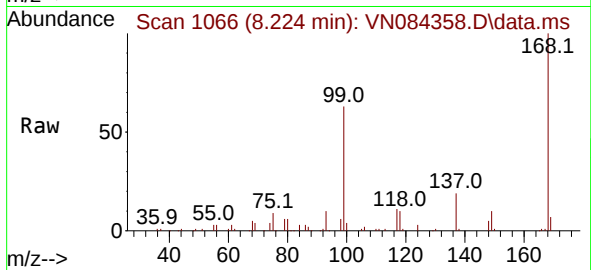
Quant Time: Oct 10 01:16:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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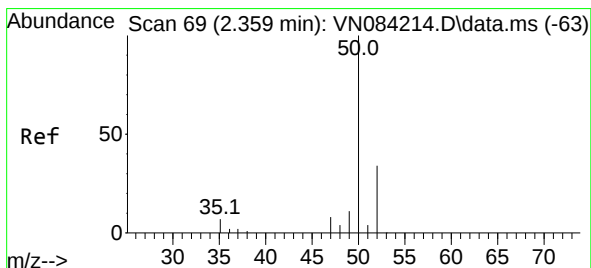
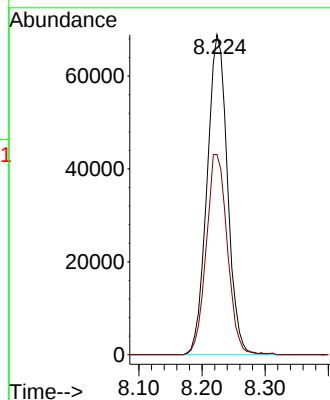
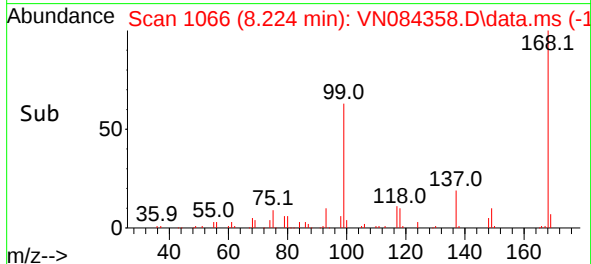


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Instrument :
MSVOA_N
ClientSampleId :

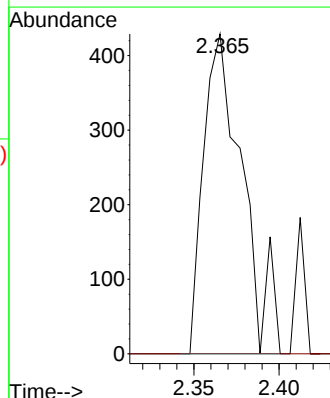
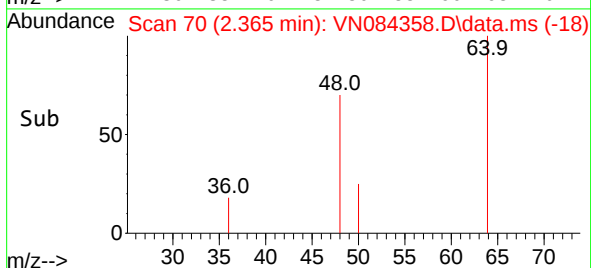
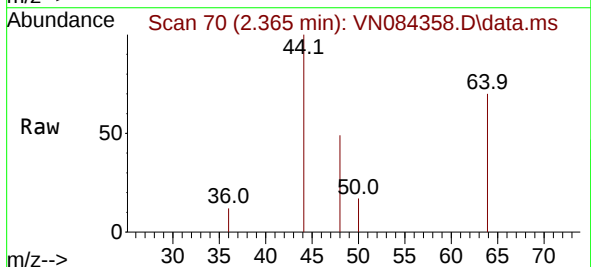


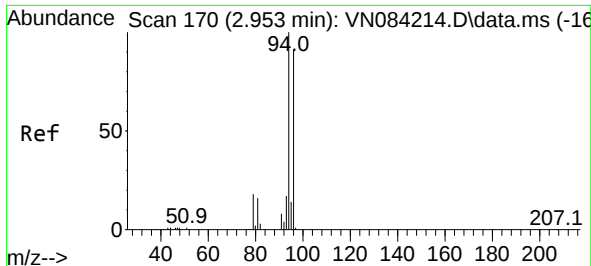
Tgt Ion:168 Resp: 154516
Ion Ratio Lower Upper
168 100
99 62.5 54.2 81.2



#3
Chloromethane
Concen: 0.327 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

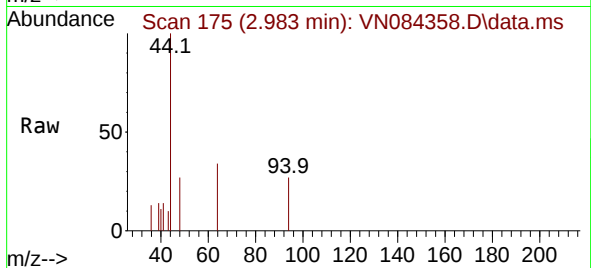
Tgt Ion: 50 Resp: 682
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



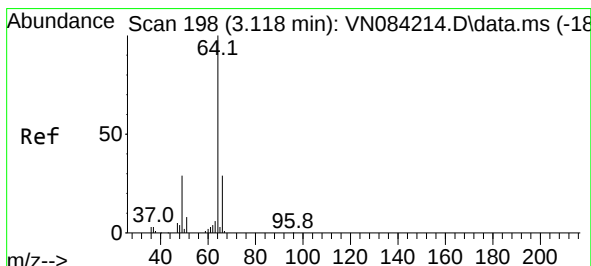
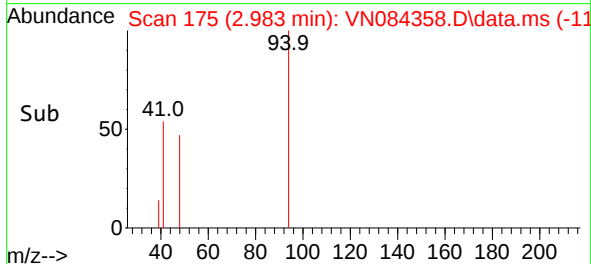
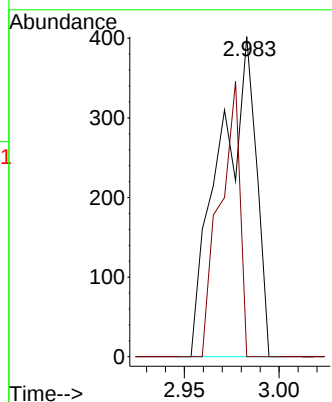


#5
Bromomethane
Concen: 0.405 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Instrument :
MSVOA_N
ClientSampleId :

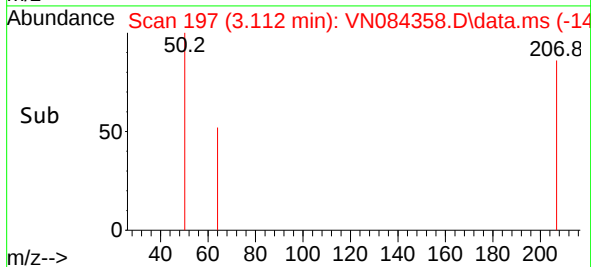
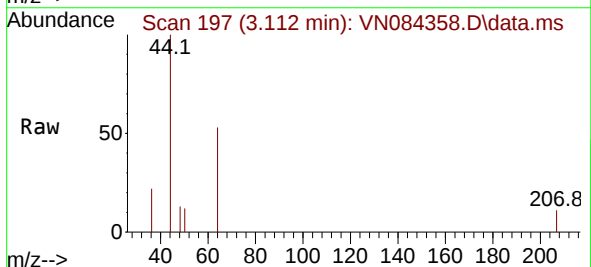


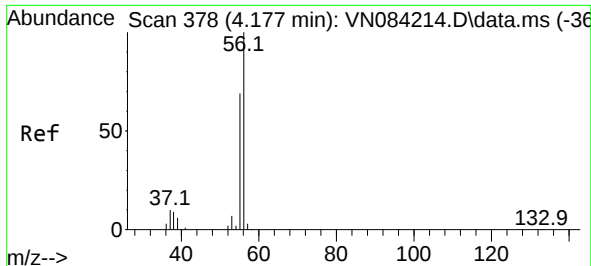
Tgt Ion: 94 Resp: 540
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: 0.266 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 64 Resp: 385
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

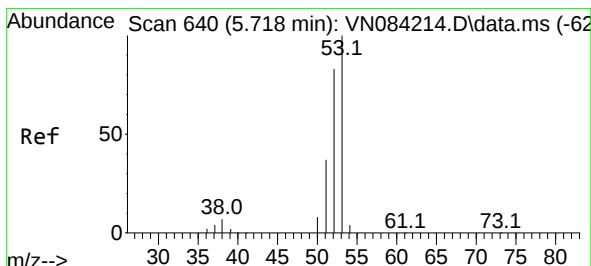
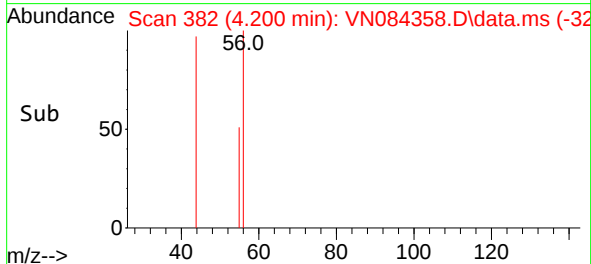
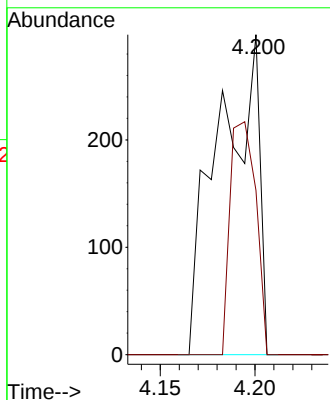
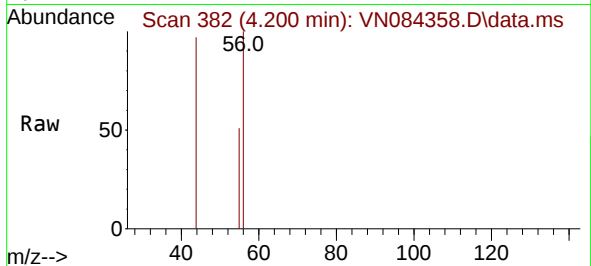




#13
Acrolein
Concen: 1.017 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

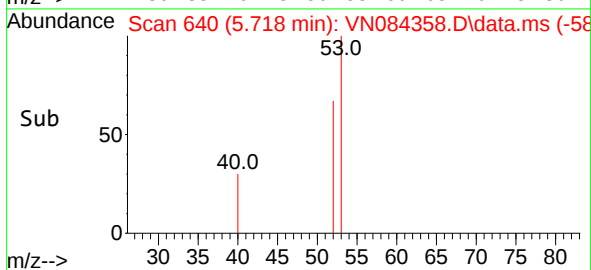
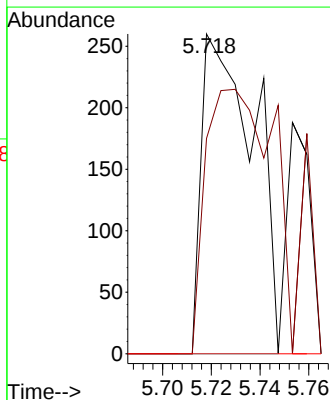
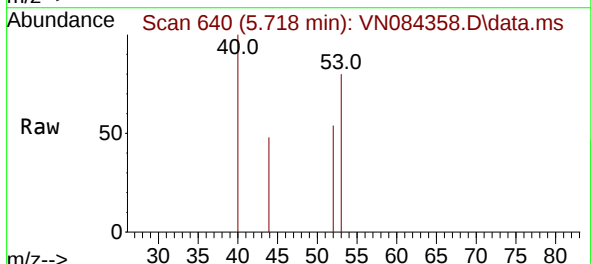
Instrument :
MSVOA_N
ClientSampleId :

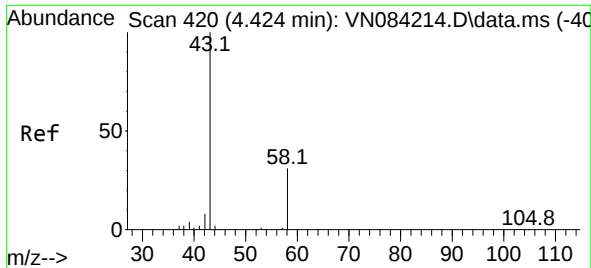
Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 46.5 57.2 85.8#



#15
Acrylonitrile
Concen: 0.406 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 53 Resp: 387
Ion Ratio Lower Upper
53 100
52 122.5 66.2 99.4#
51 0.0 28.8 43.2#

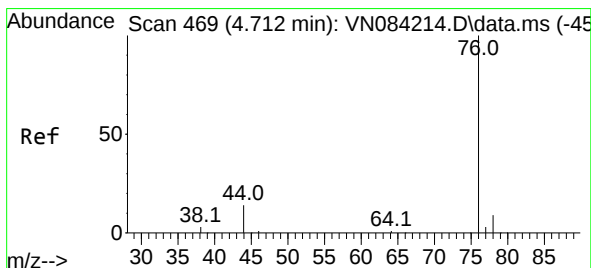
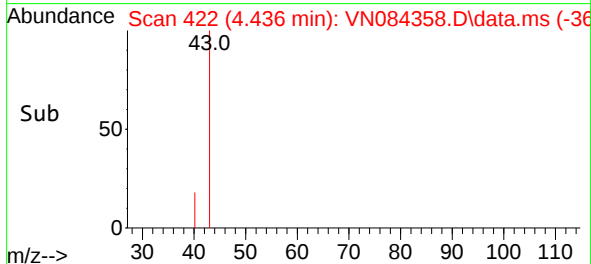
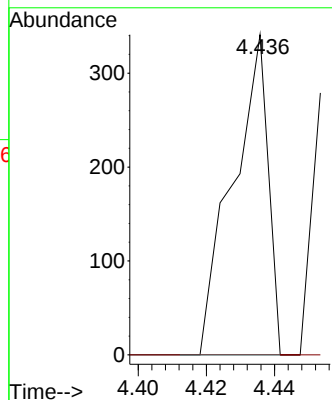
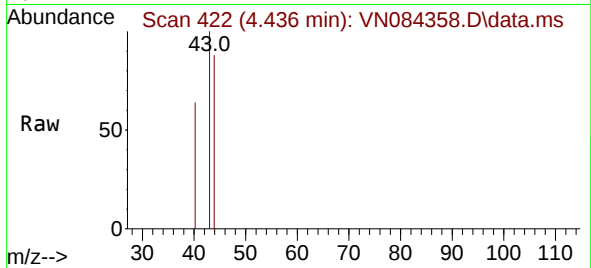




#16
Acetone
Concen: 0.250 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

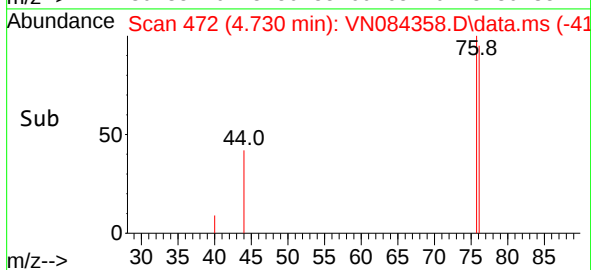
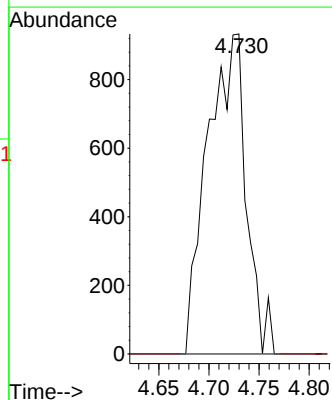
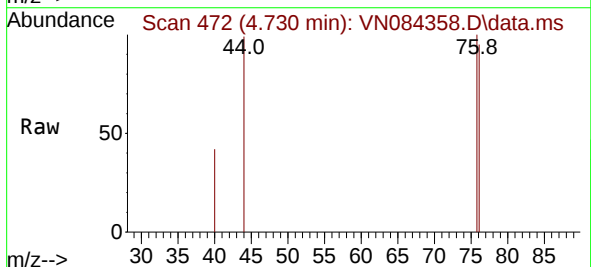
Instrument :
MSVOA_N
ClientSampleId :

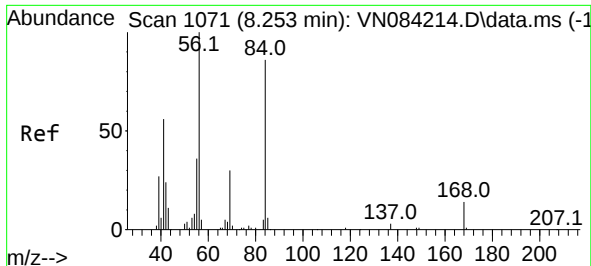
Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: 0.455 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.018 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

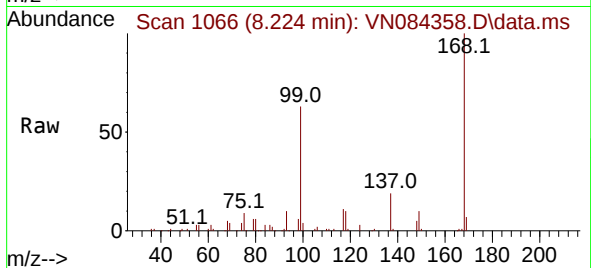
Tgt Ion: 76 Resp: 2506
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



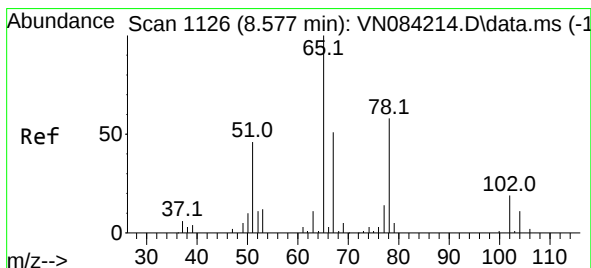
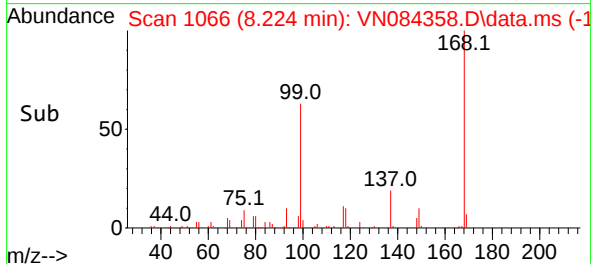
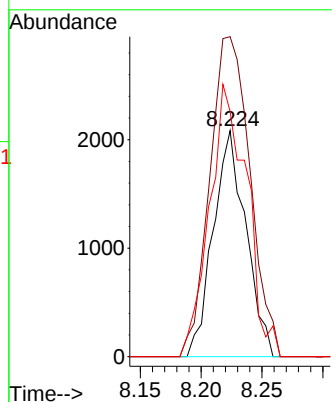


#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Instrument :
MSVOA_N
ClientSampleId :

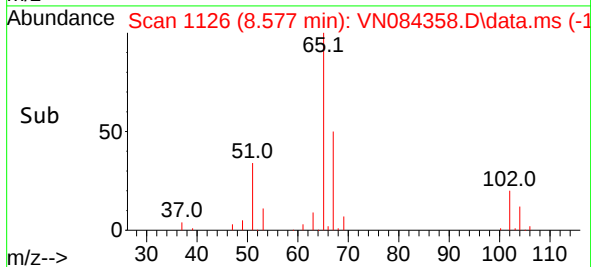
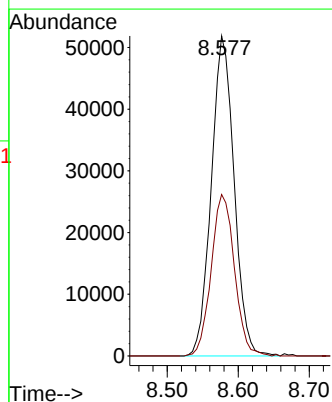
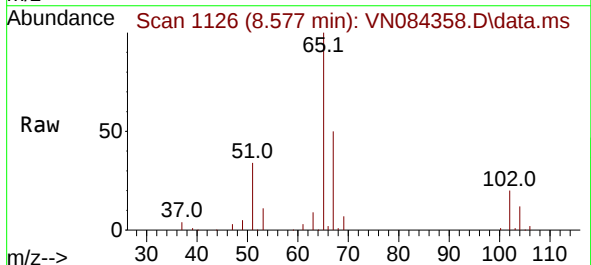


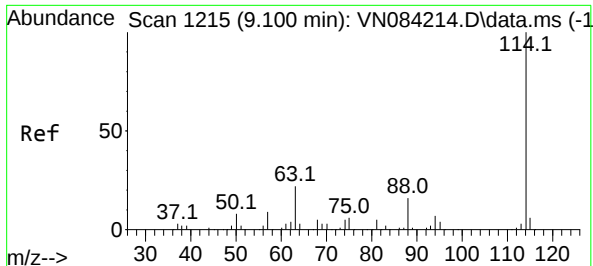
Tgt Ion: 56 Resp: 3885
Ion Ratio Lower Upper
56 100
69 141.6 23.8 35.6#
84 108.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.453 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 65 Resp: 115588
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: VN084358.D

Acq: 09 Oct 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

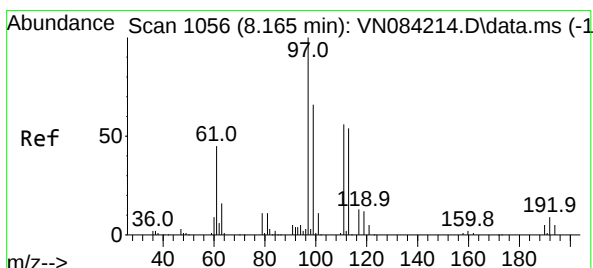
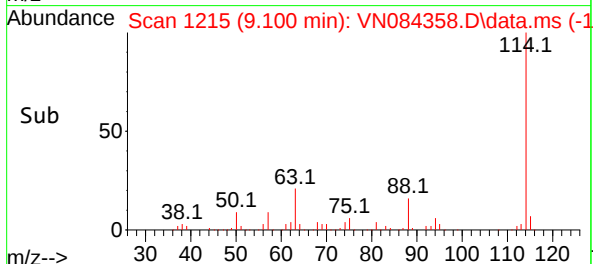
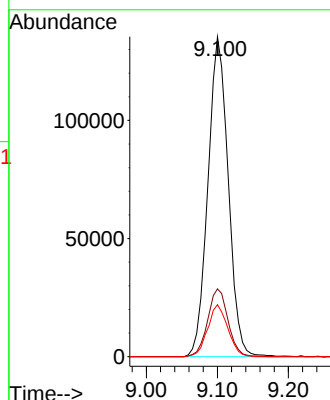
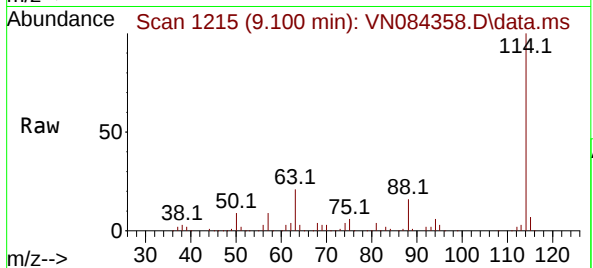
Tgt Ion:114 Resp: 268988

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 16.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.852 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

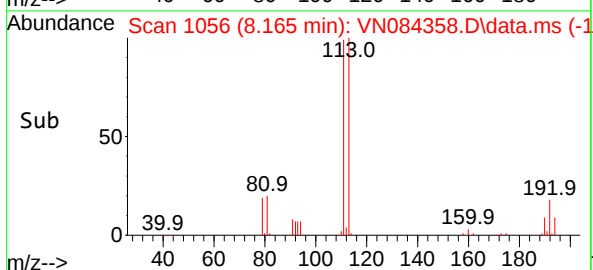
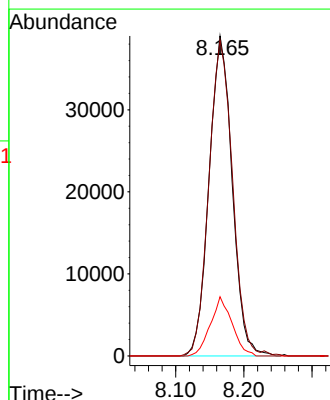
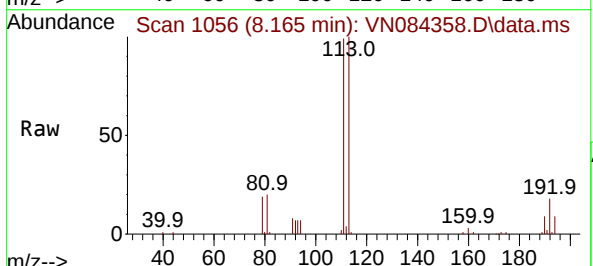
Tgt Ion:113 Resp: 91951

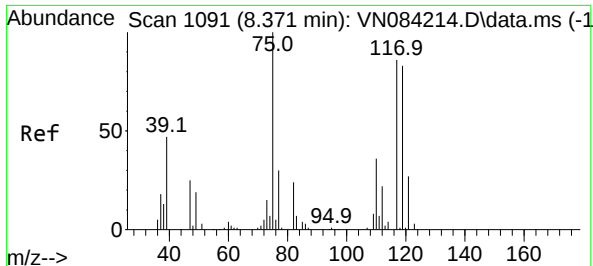
Ion Ratio Lower Upper

113 100

111 101.1 83.3 124.9

192 17.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.330 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

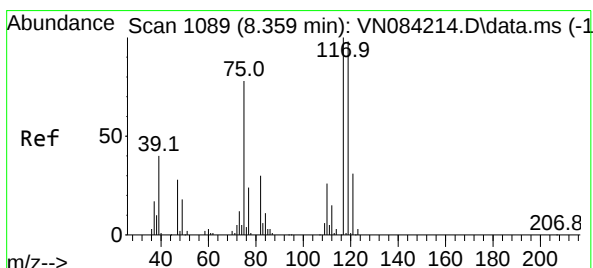
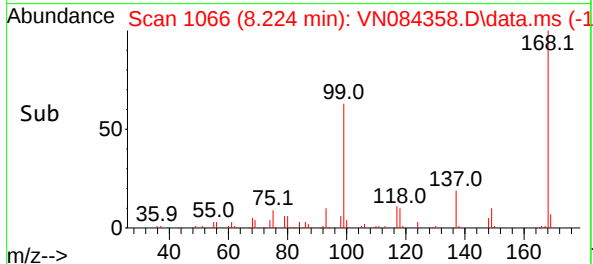
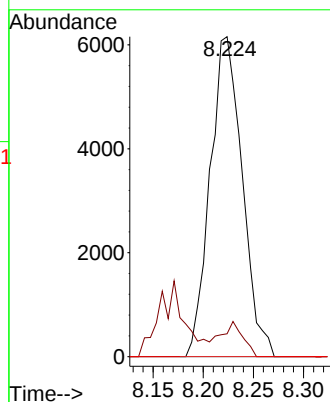
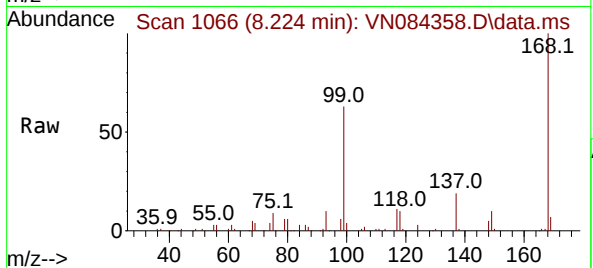
Tgt Ion: 75 Resp: 13730

Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.158 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

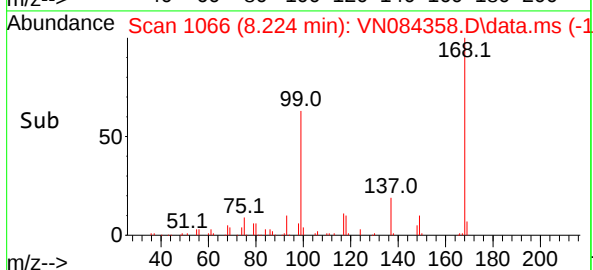
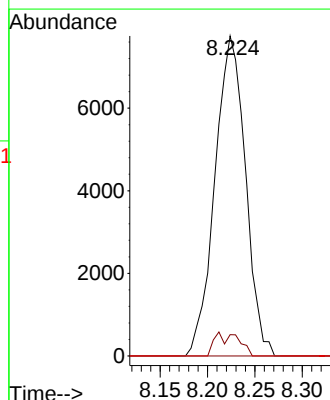
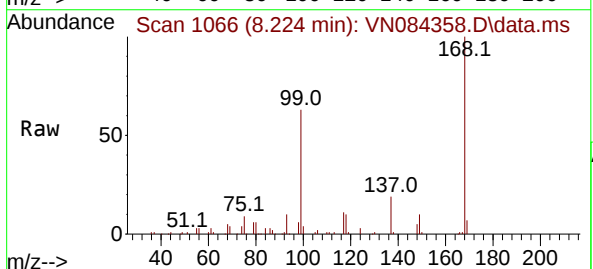
Tgt Ion: 117 Resp: 17400

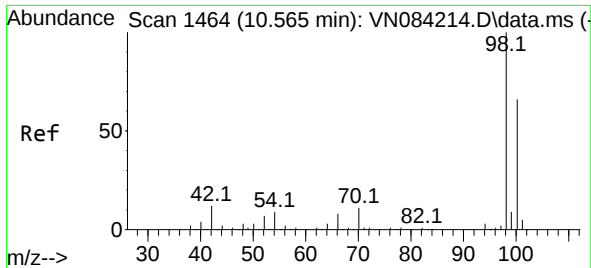
Ion Ratio Lower Upper

117 100

119 6.6 78.7 118.1#

121 0.0 24.4 36.6#

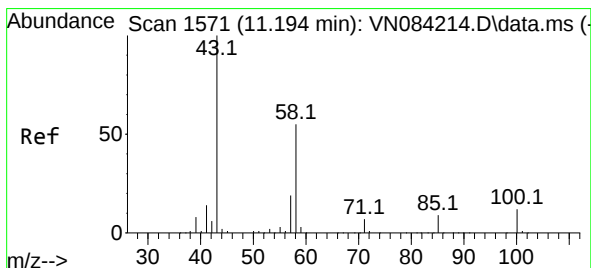
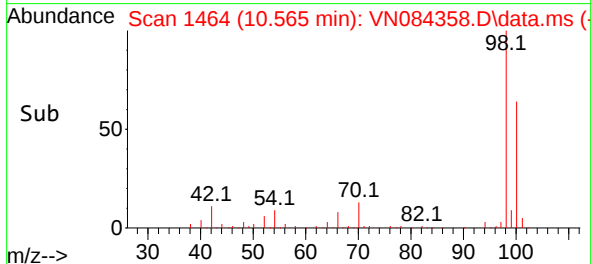
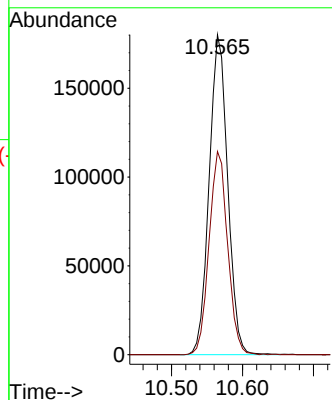
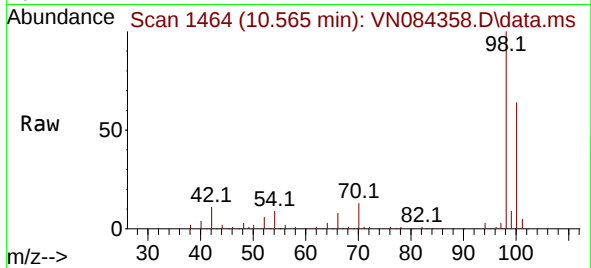




#50
Toluene-d8
Concen: 49.988 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

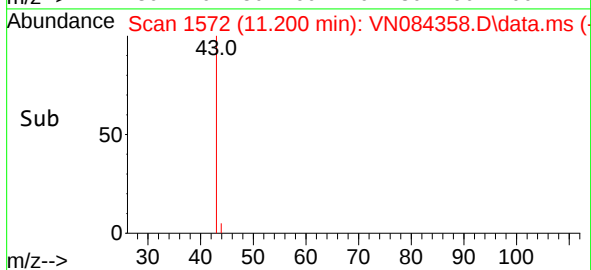
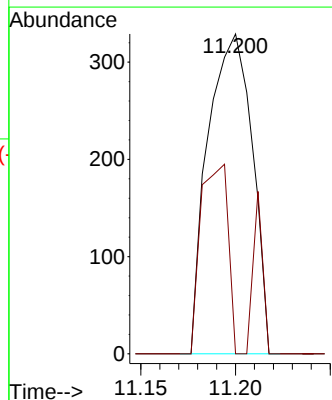
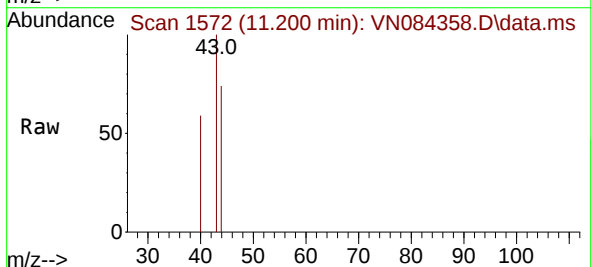
Instrument :
MSVOA_N
ClientSampleId :

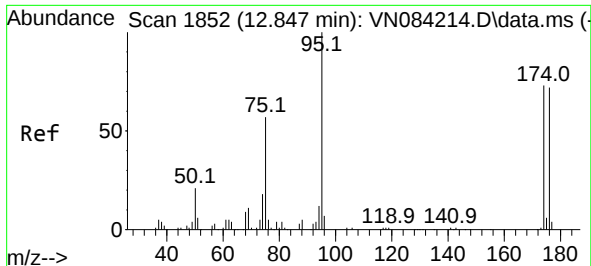
Tgt Ion: 98 Resp: 326138
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1



#59
2-Hexanone
Concen: 0.283 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
58 36.6 27.3 81.8

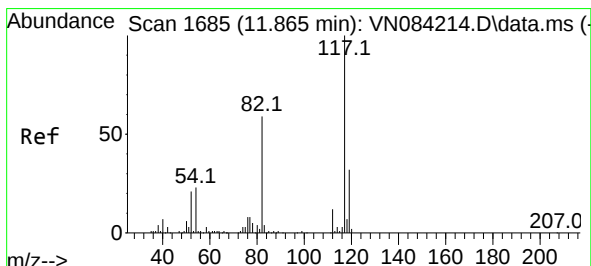
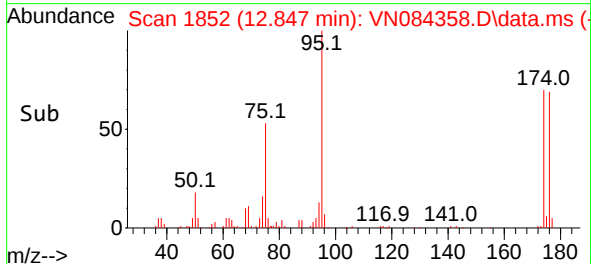
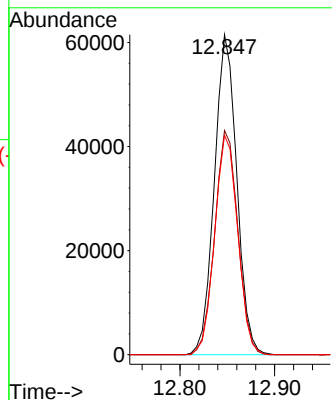
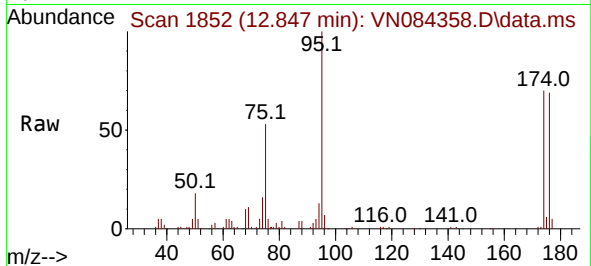




#62
4-Bromofluorobenzene
Concen: 42.667 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

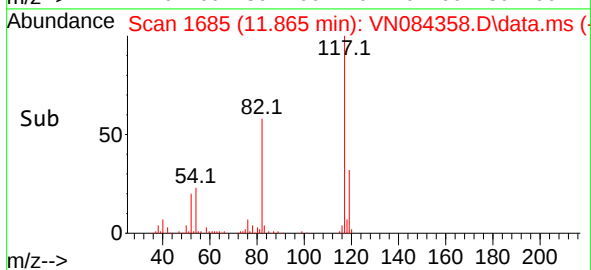
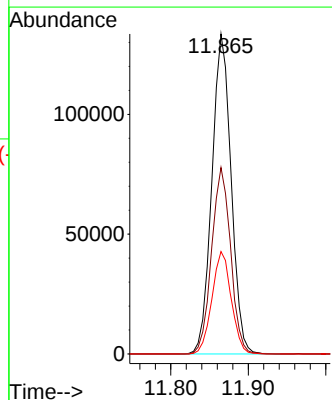
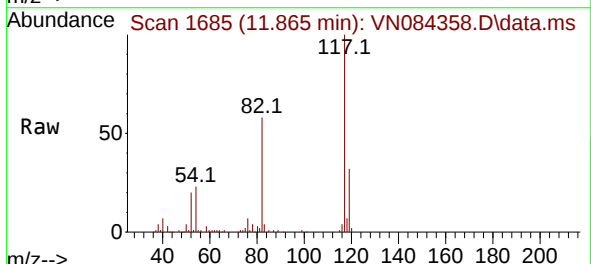
Instrument :
MSVOA_N
ClientSampleId :

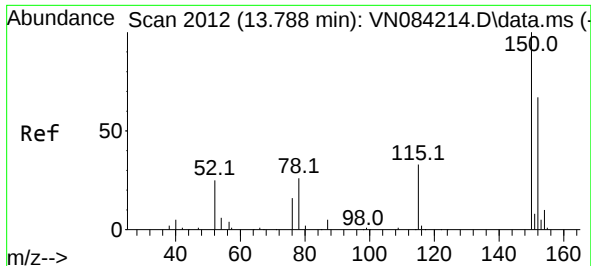
Tgt Ion: 95 Resp: 101414
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.2
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 117 Resp: 230134
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 32.0 25.4 38.0

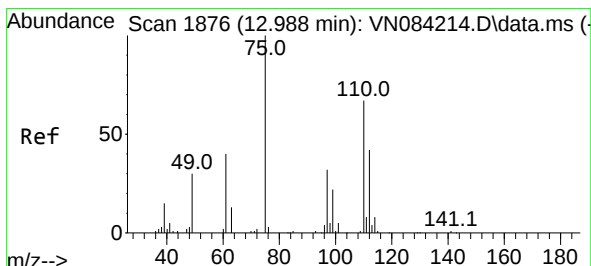
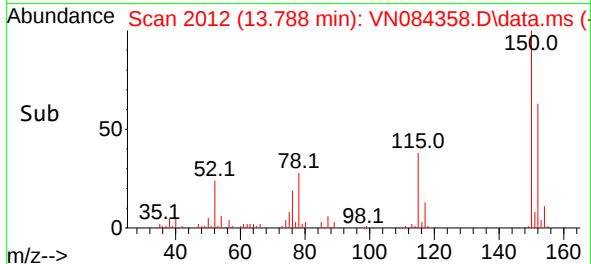
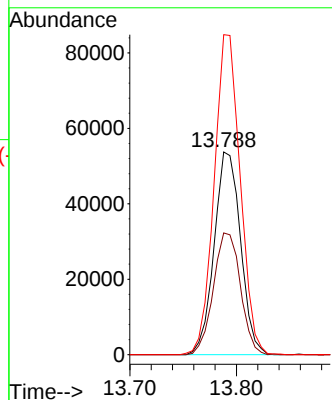
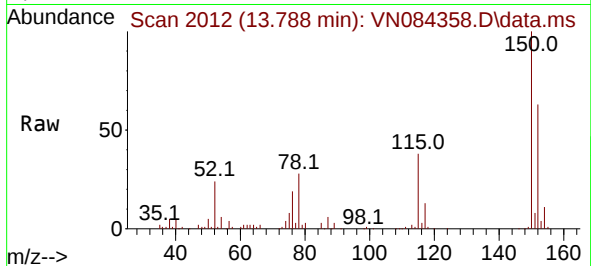




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084358.D
 Acq: 09 Oct 2024 11:23

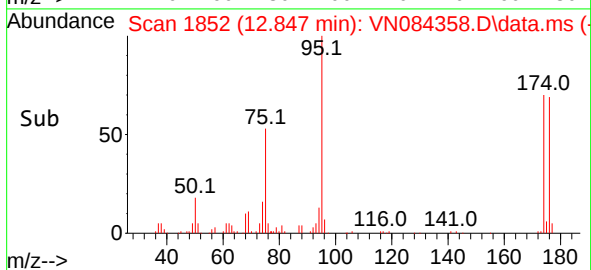
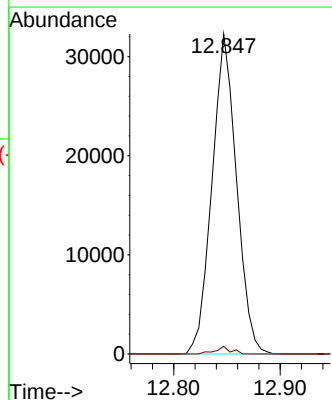
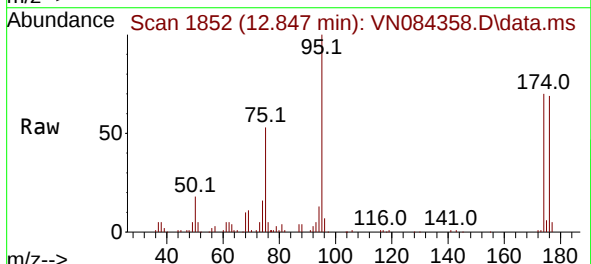
Instrument :
 MSVOA_N
 ClientSampleId :

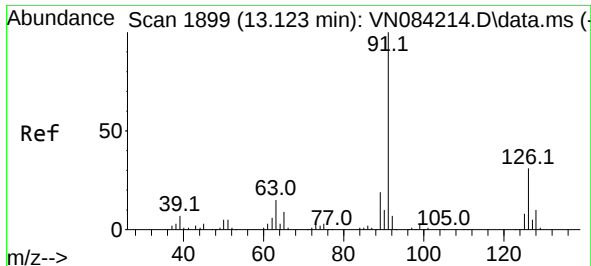
Tgt Ion:152 Resp: 92397
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.3 93.9
 150 155.8 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.361 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084358.D
 Acq: 09 Oct 2024 11:23

Tgt Ion: 75 Resp: 51611
 Ion Ratio Lower Upper
 75 100
 77 1.5 96.9 290.7#

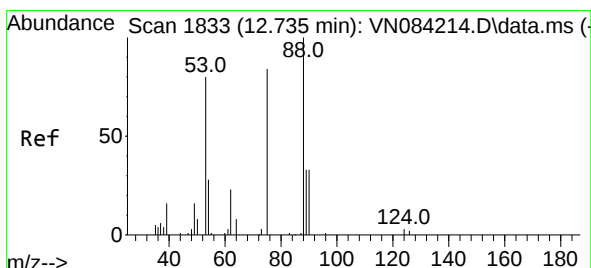
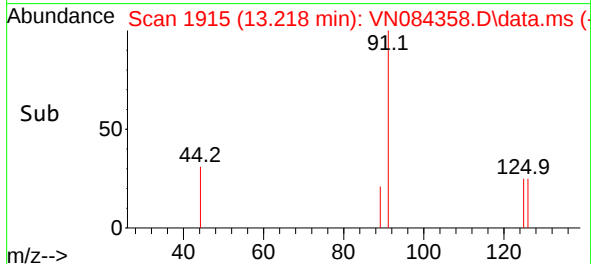
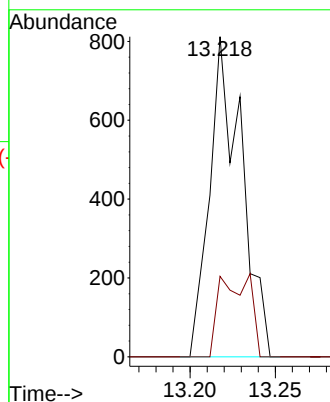
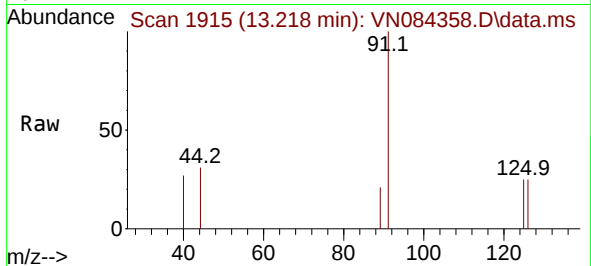




#79
2-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.218 min Scan# 1899
Delta R.T. 0.094 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

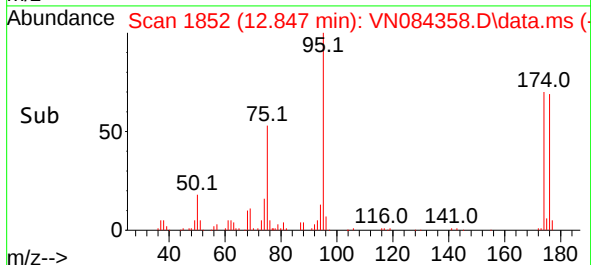
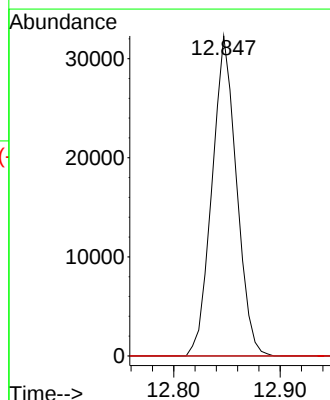
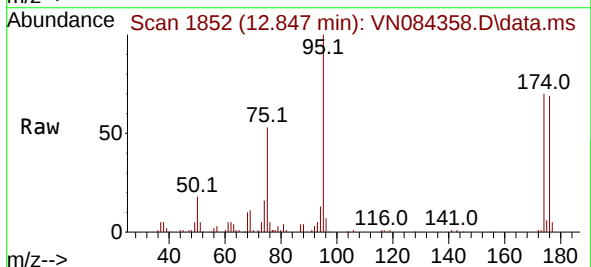
Instrument :
MSVOA_N
ClientSampleId :

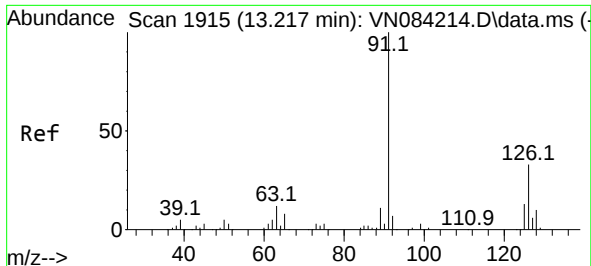
Tgt Ion: 91 Resp: 1055
Ion Ratio Lower Upper
91 100
126 24.7 15.7 47.1



#81
trans-1,4-Dichloro-2-butene
Concen: 65.596 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 75 Resp: 51611
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

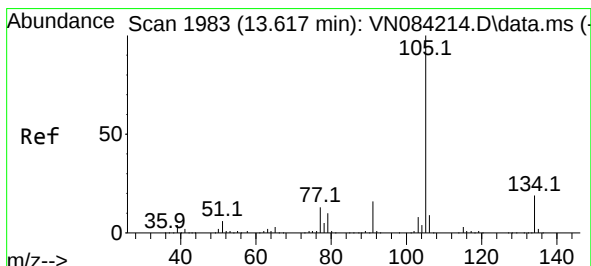
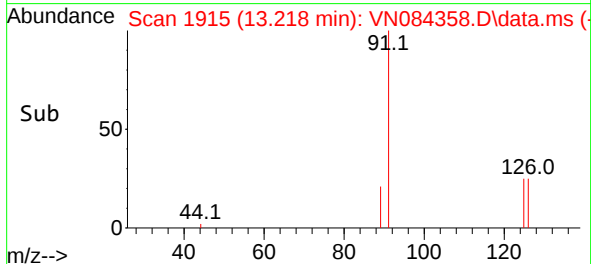
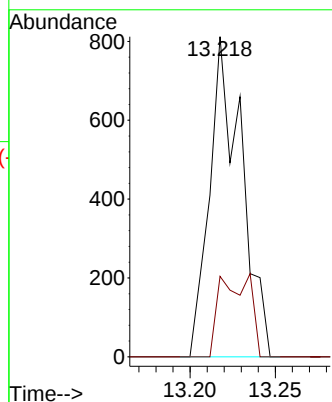
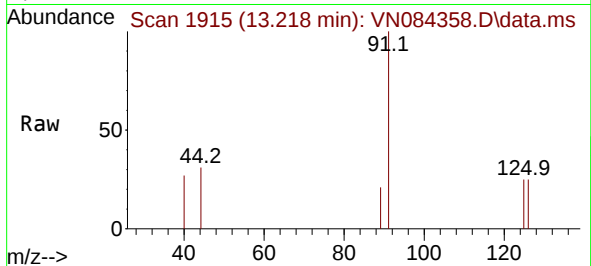




#82
4-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

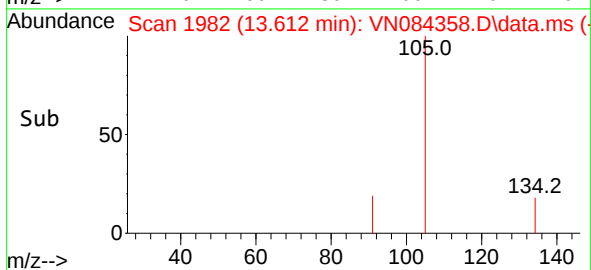
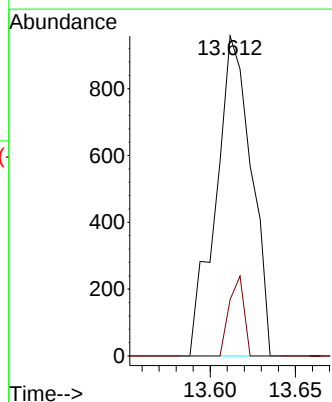
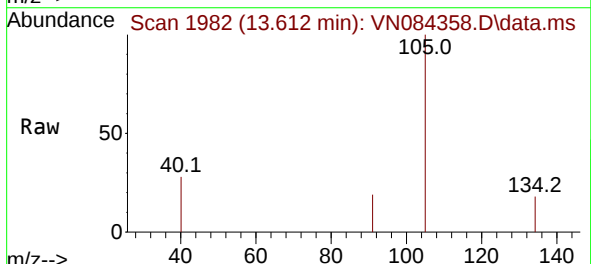
Instrument :
MSVOA_N
ClientSampleId :

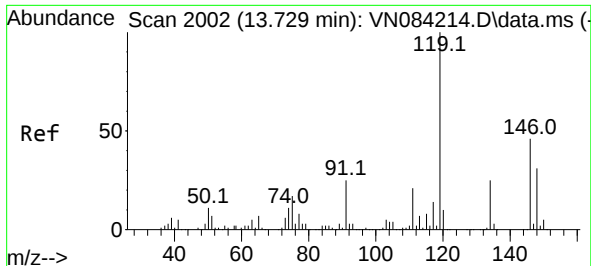
Tgt Ion: 91 Resp: 1055
Ion Ratio Lower Upper
91 100
126 24.7 15.7 47.1



#85
sec-Butylbenzene
Concen: 0.204 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN084358.D
Acq: 09 Oct 2024 11:23

Tgt Ion: 105 Resp: 1390
Ion Ratio Lower Upper
105 100
134 10.4 9.8 29.4





#87

1,3-Dichlorobenzene

Concen: 0.306 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

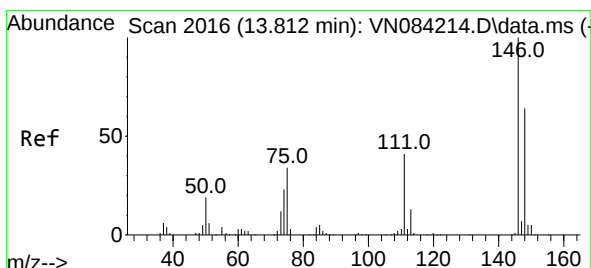
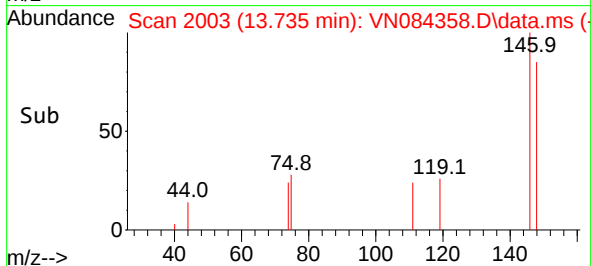
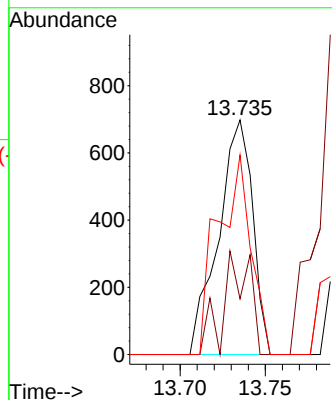
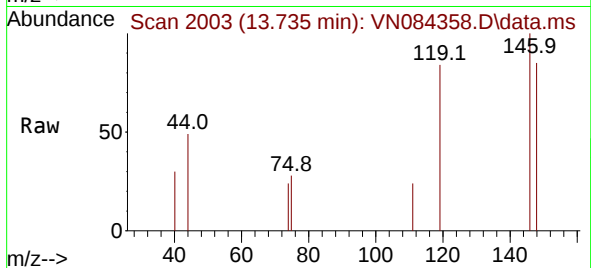
Tgt Ion:146 Resp: 976

Ion Ratio Lower Upper

146 100

111 33.9 21.8 65.3

148 82.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.303 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.076 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

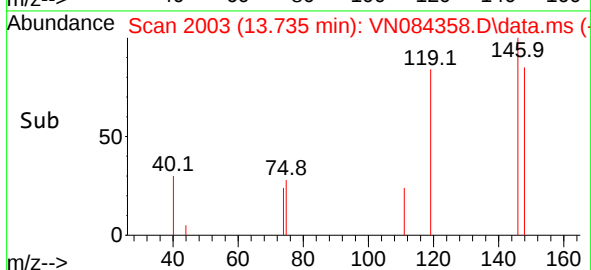
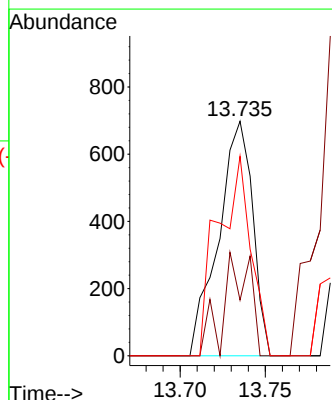
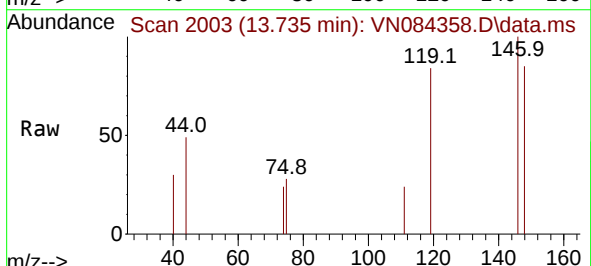
Tgt Ion:146 Resp: 976

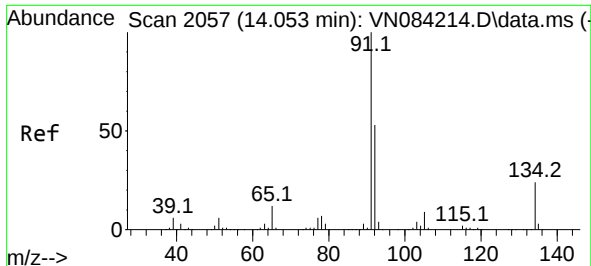
Ion Ratio Lower Upper

146 100

111 33.9 21.2 63.6

148 82.1 31.9 95.9





#89

n-Butylbenzene

Concen: 0.383 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.006 min

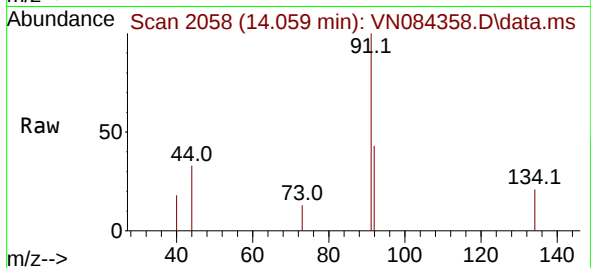
Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :



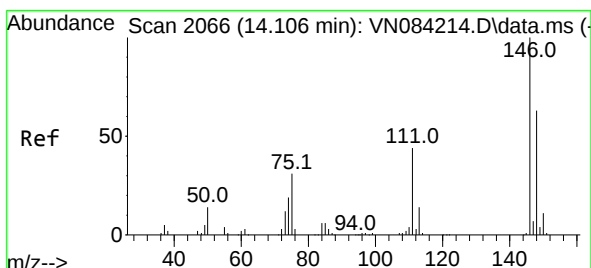
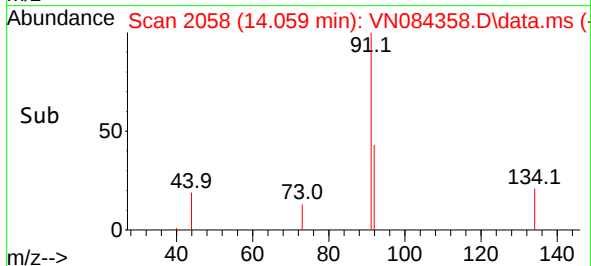
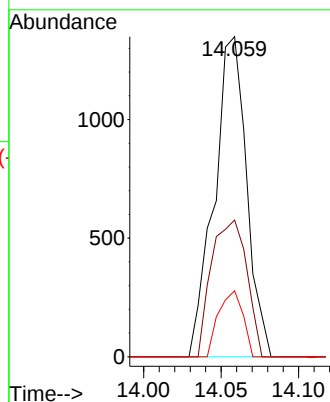
Tgt Ion: 91 Resp: 1959

Ion Ratio Lower Upper

91 100

92 46.6 26.6 79.7

134 15.5 12.3 36.9



#91

1,2-Dichlorobenzene

Concen: 0.328 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

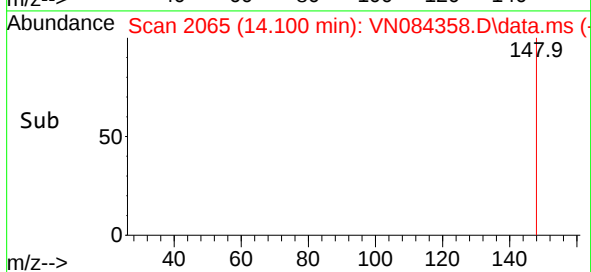
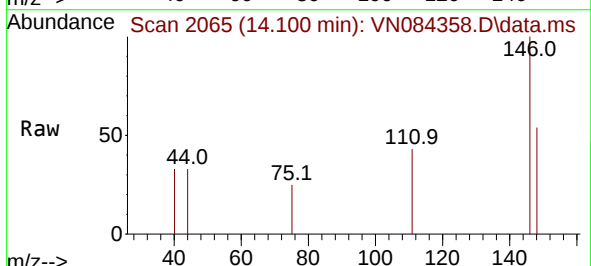
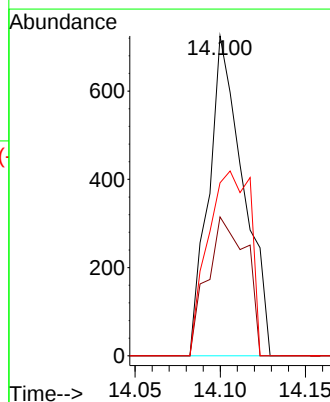
Tgt Ion: 146 Resp: 1027

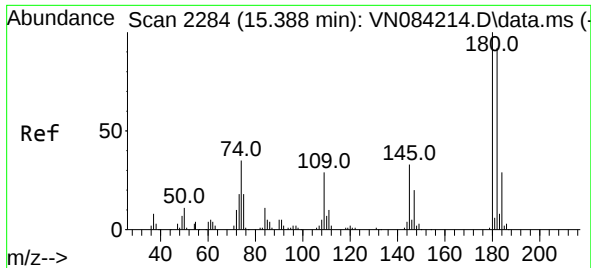
Ion Ratio Lower Upper

146 100

111 48.9 22.0 66.0

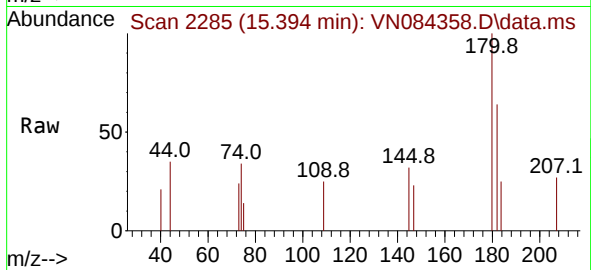
148 70.8 32.1 96.3



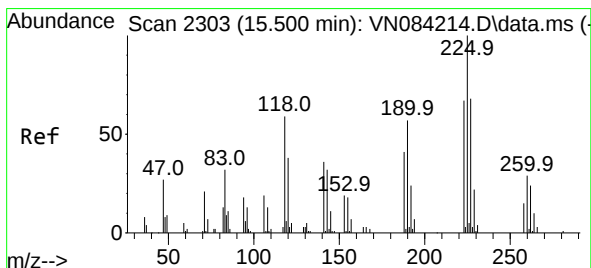
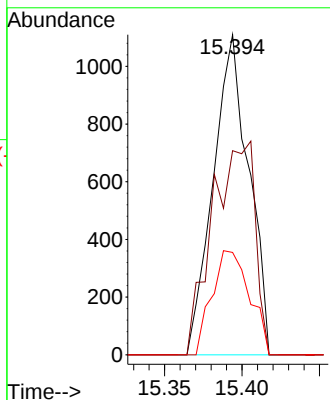
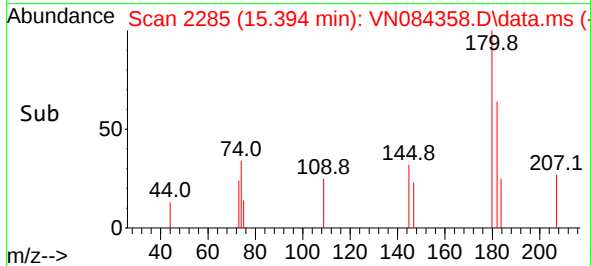


#93
 1,2,4-Trichlorobenzene
 Concen: 1.149 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084358.D
 Acq: 09 Oct 2024 11:23

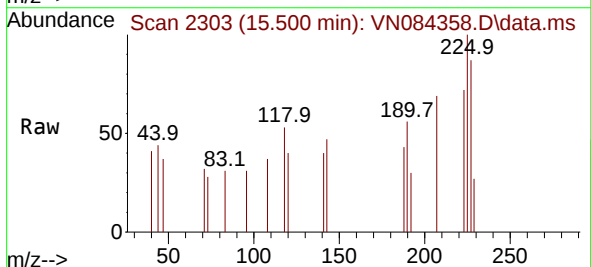
Instrument :
 MSVOA_N
 ClientSampleId :



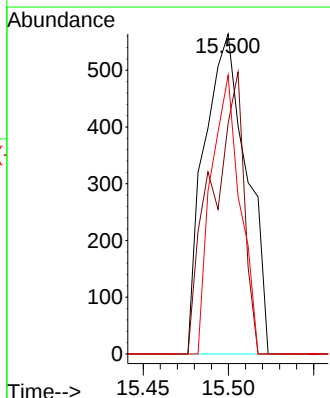
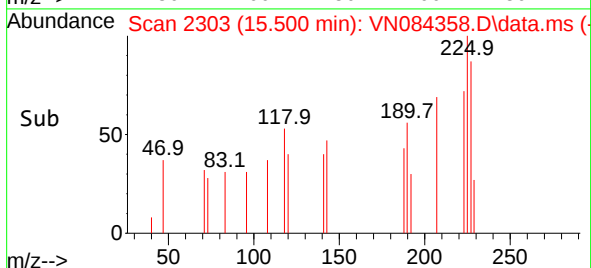
Tgt Ion:180 Resp: 1770
 Ion Ratio Lower Upper
 180 100
 182 79.7 47.0 141.0
 145 34.4 16.4 49.4

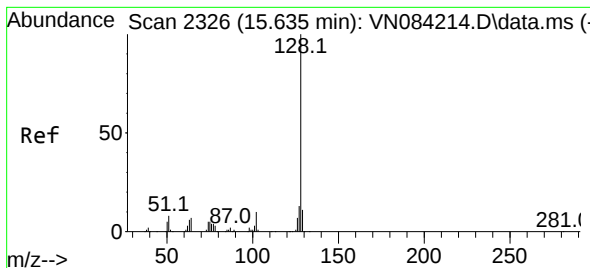


#94
 Hexachlorobutadiene
 Concen: 1.273 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN084358.D
 Acq: 09 Oct 2024 11:23



Tgt Ion:225 Resp: 978
 Ion Ratio Lower Upper
 225 100
 223 66.7 32.4 97.2
 227 59.1 32.4 97.0





#95

Naphthalene

Concen: 1.263 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN084358.D

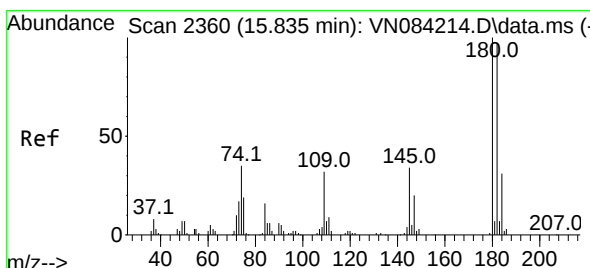
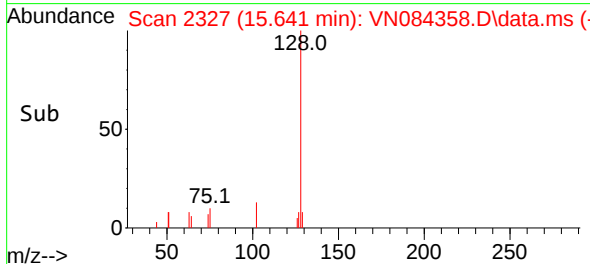
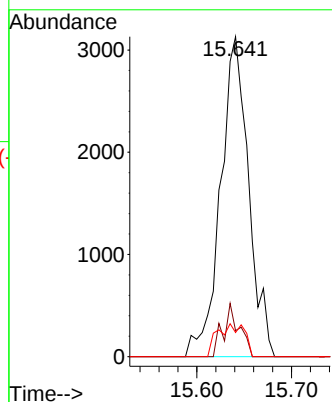
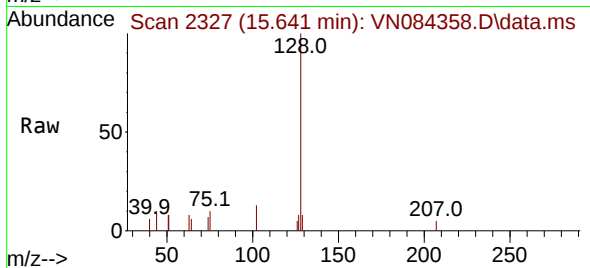
Acq: 09 Oct 2024 11:23

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	6453
Ion Ratio	Lower	Upper
128	100	
127	9.5	10.5 15.7#
129	9.9	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.525 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN084358.D

Acq: 09 Oct 2024 11:23

Tgt Ion:180	Resp:	2353
Ion Ratio	Lower	Upper
180	100	
182	82.2	48.2 144.6
145	30.9	17.3 51.9

