

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084886.D
 Acq On : 17 Nov 2024 11:26
 Operator : JC\MD
 Sample : VN1117WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 00:16:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

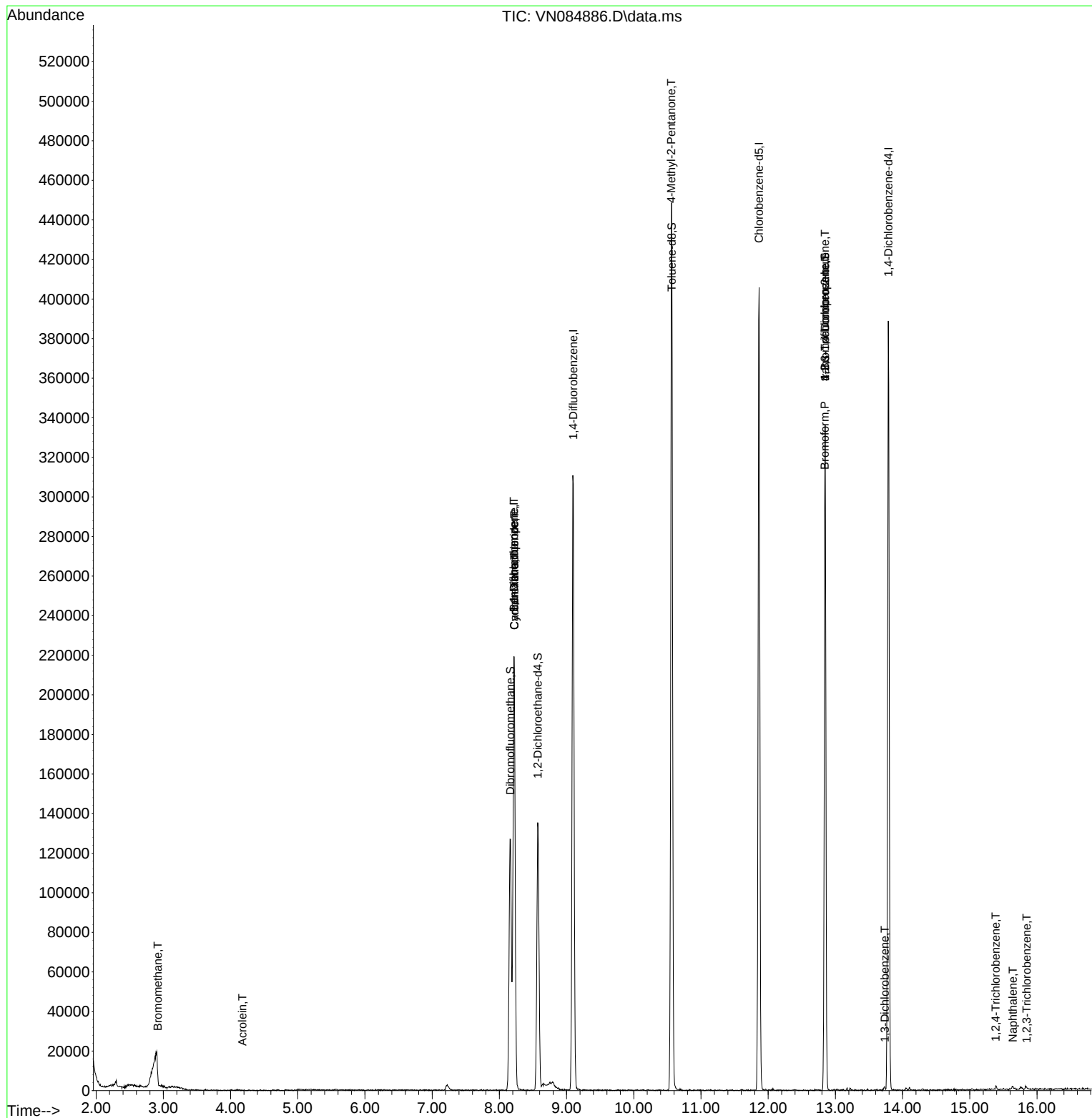
Internal Standards						
1) Pentafluorobenzene	8.218	168	155503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115215	51.298	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.600%	
35) Dibromofluoromethane	8.165	113	94278	51.050	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	10.565	98	311458	45.783	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.560%	
62) 4-Bromofluorobenzene	12.847	95	114265	44.942	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	594	Below Cal	#	41
5) Bromomethane	2.918	94	373	0.366	ug/l #	4
6) Chloroethane	3.124	64	145	Below Cal	#	45
13) Acrolein	4.177	56	119	0.403	ug/l #	14
18) Methyl Acetate	5.024	43	1099	Below Cal	#	61
31) Cyclohexane	8.224	56	3263	1.052	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12667	4.946	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16682	5.827	ug/l #	17
43) Isopropyl Acetate	8.647	43	1472	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.559	43	1129	0.510	ug/l #	1
71) Bromoform	12.841	173	427	0.309	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	61055	29.221	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61055	69.324	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	895	0.233	ug/l #	71
88) 1,4-Dichlorobenzene	13.806	146	1104	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	15.388	180	1048	0.518	ug/l #	79
95) Naphthalene	15.641	128	2261	0.374	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.847	180	1027	0.523	ug/l #	58

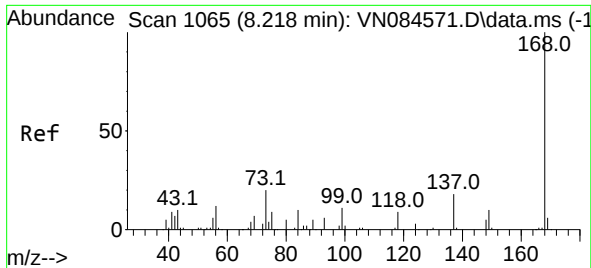
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 00:16:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

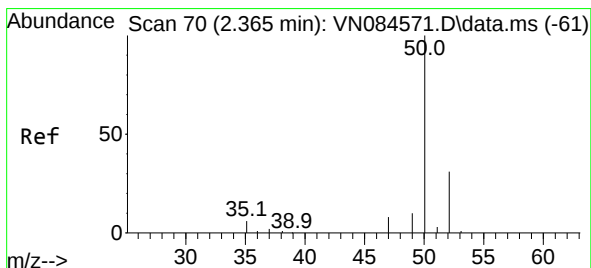
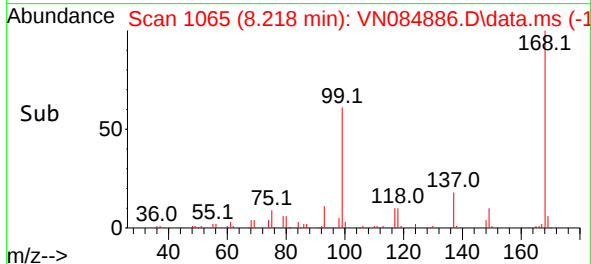
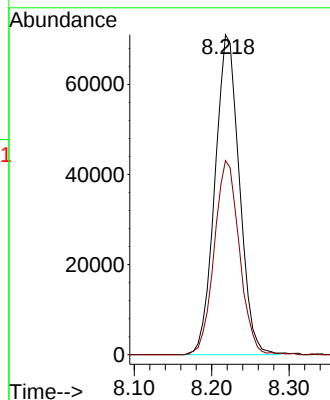
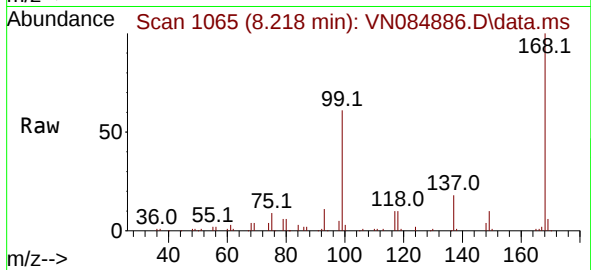




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

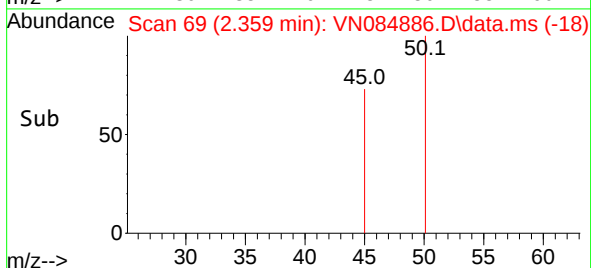
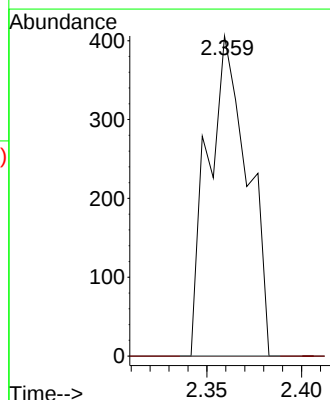
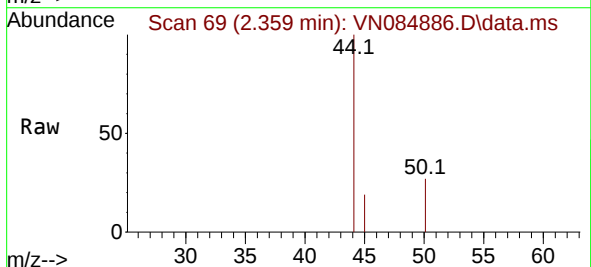
Instrument :
MSVOA_N
ClientSampleId :

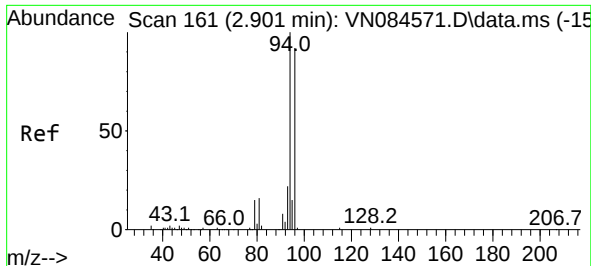
Tgt Ion:168 Resp: 155503
Ion Ratio Lower Upper
168 100
99 60.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

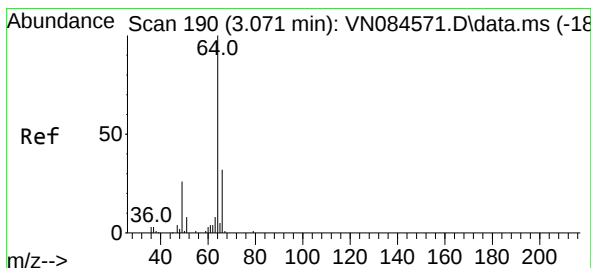
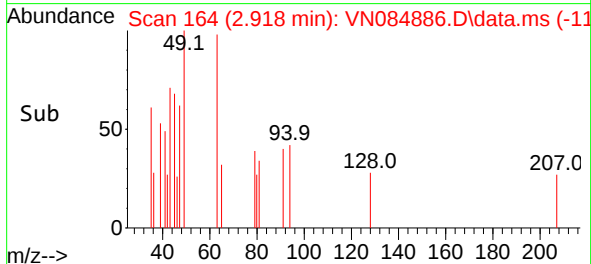
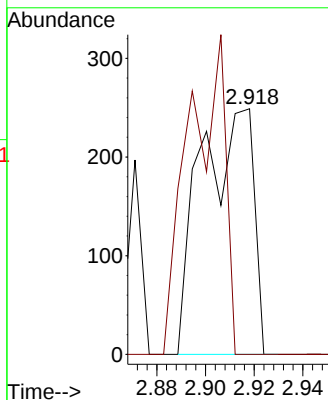
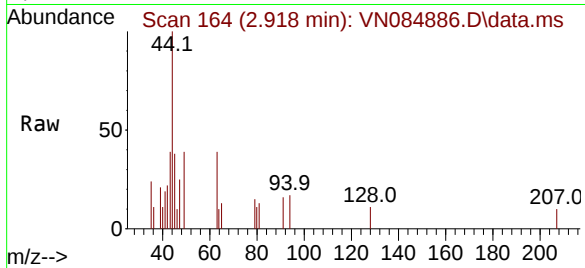




#5
Bromomethane
Concen: 0.366 ug/l
RT: 2.918 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

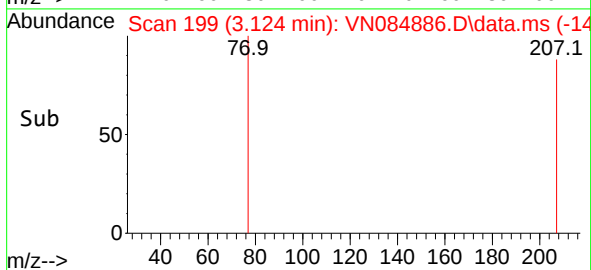
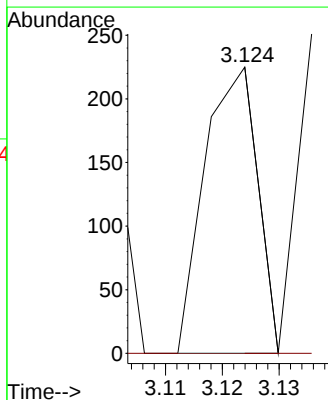
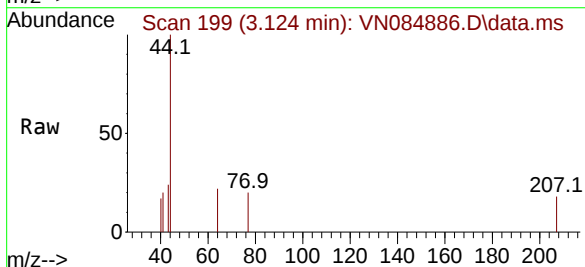
Instrument :
MSVOA_N
ClientSampleId :

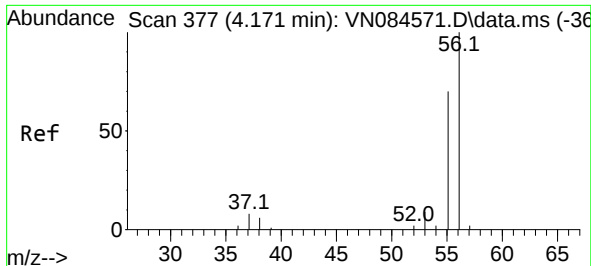
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

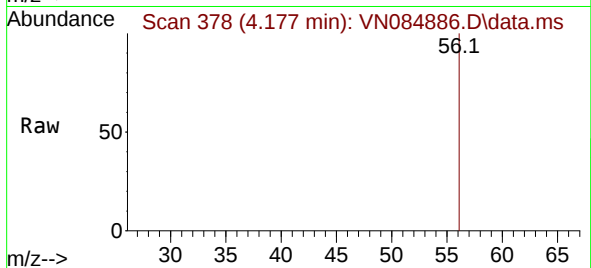
Tgt Ion: 64 Resp: 145
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



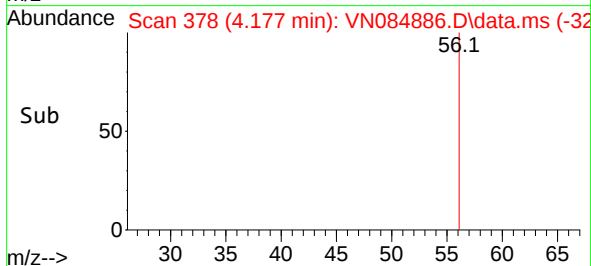
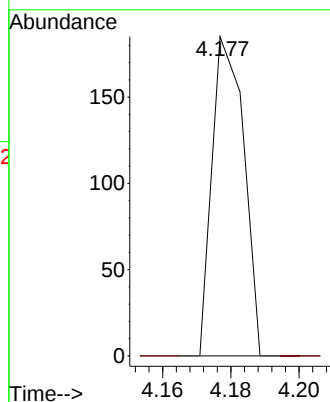


#13
Acrolein
Concen: 0.403 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Instrument :
MSVOA_N
ClientSampleId :

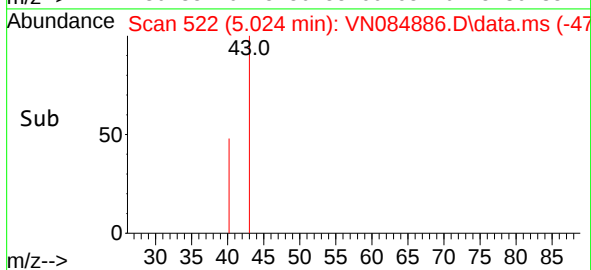
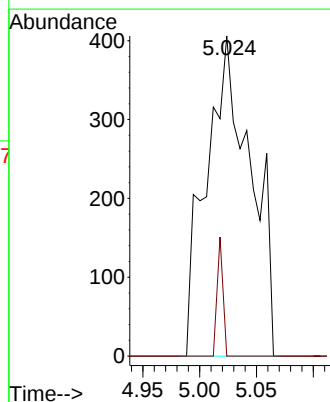
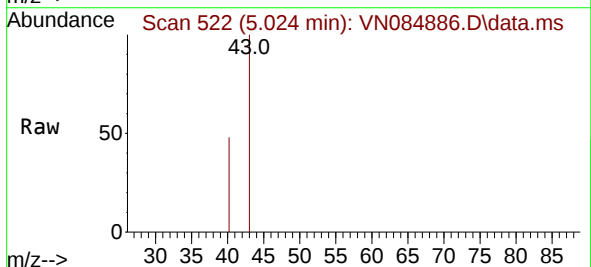


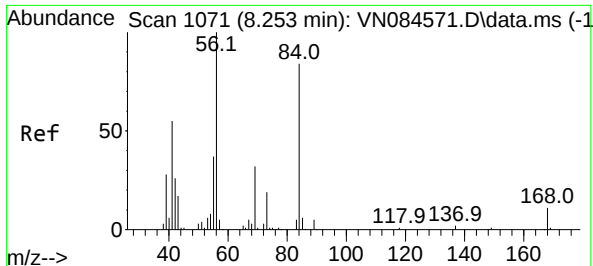
Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
74 4.8 19.2 28.8#

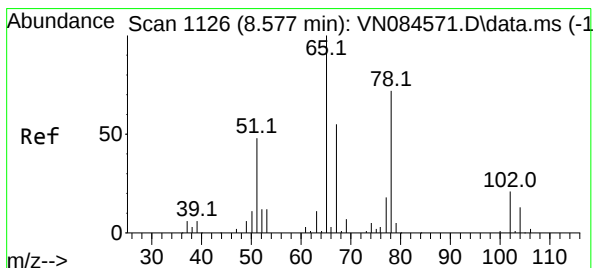
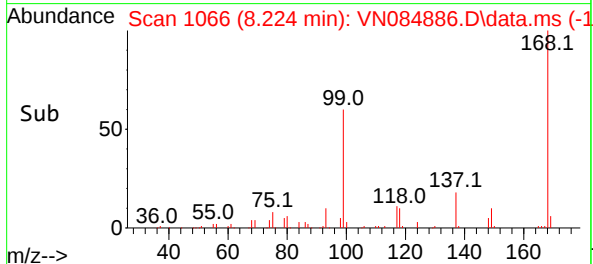
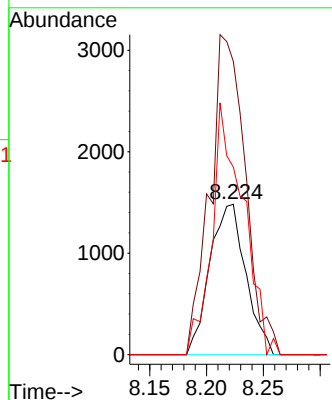
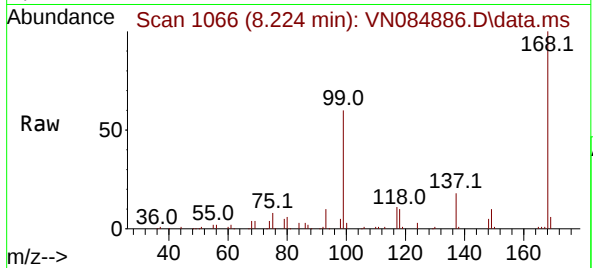




#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

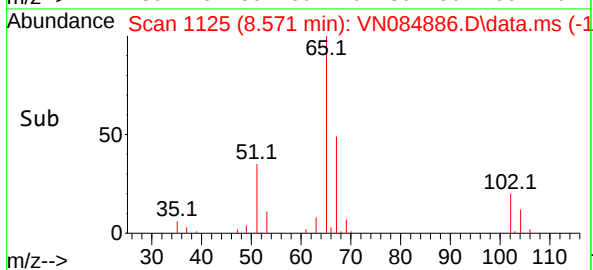
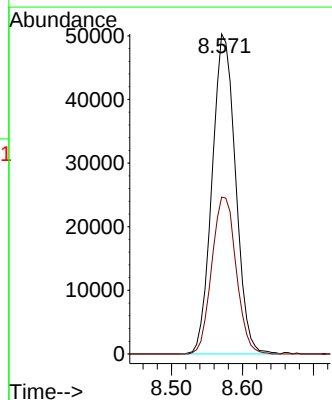
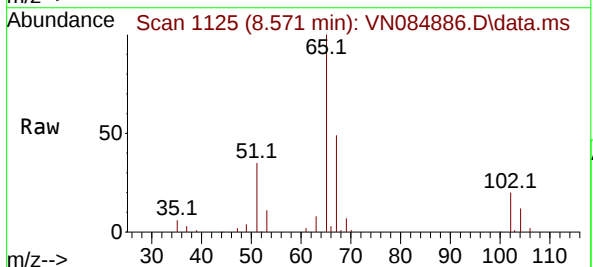
Instrument :
MSVOA_N
ClientSampleId :

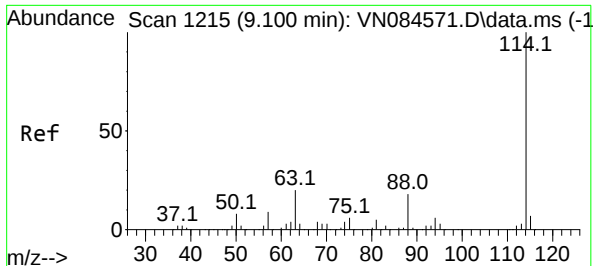
Tgt Ion: 56 Resp: 3263
Ion Ratio Lower Upper
56 100
69 194.9 23.8 35.6#
84 124.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.298 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion: 65 Resp: 115215
Ion Ratio Lower Upper
65 100
67 50.9 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: VN084886.D

Acq: 17 Nov 2024 11:26

Instrument :

MSVOA_N

ClientSampleId :

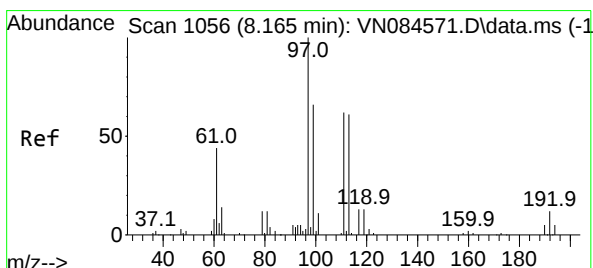
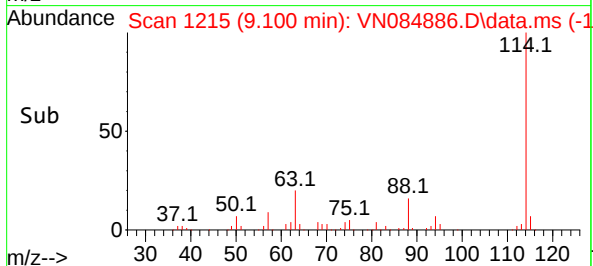
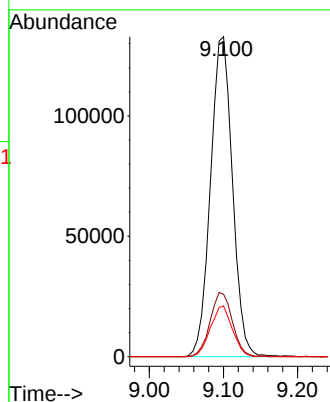
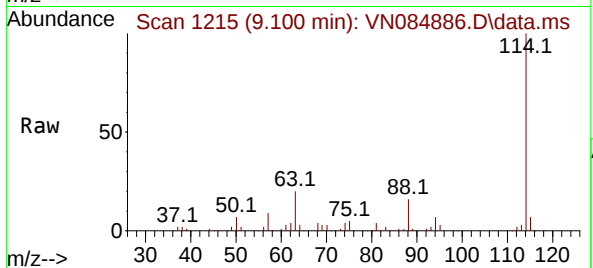
Tgt Ion:114 Resp: 272839

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.8

88 15.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.050 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084886.D

Acq: 17 Nov 2024 11:26

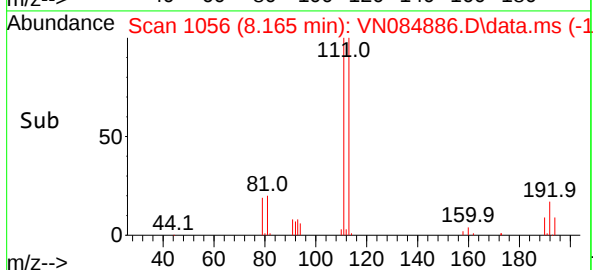
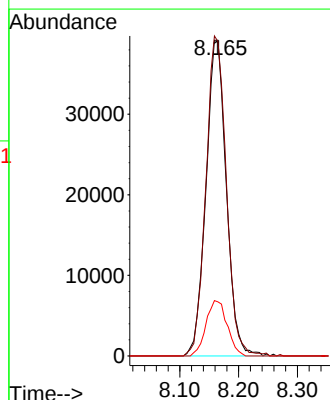
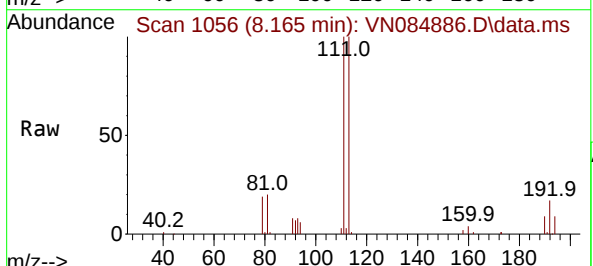
Tgt Ion:113 Resp: 94278

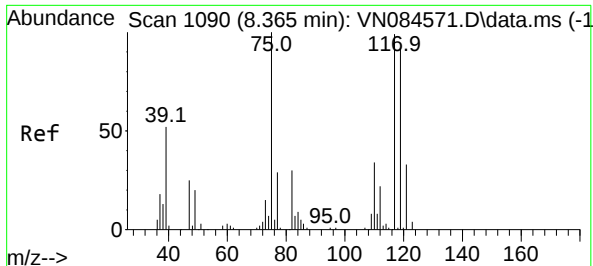
Ion Ratio Lower Upper

113 100

111 101.6 83.3 124.9

192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.946 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084886.D

Acq: 17 Nov 2024 11:26

Instrument :

MSVOA_N

ClientSampleId :

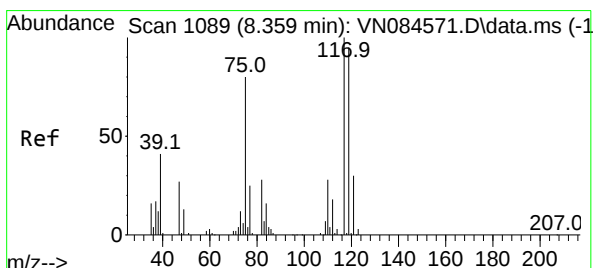
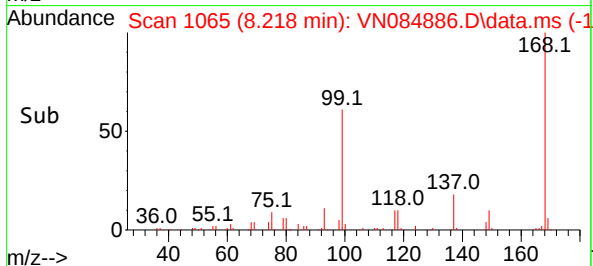
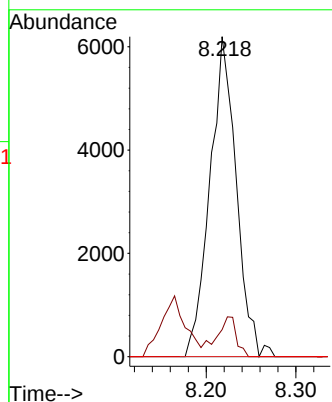
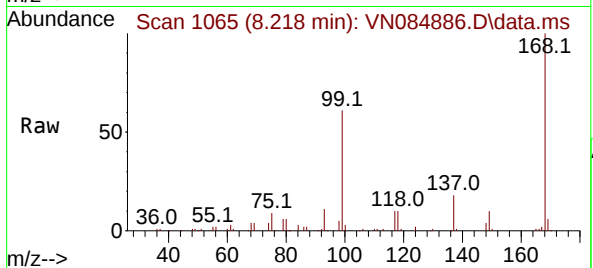
Tgt Ion: 75 Resp: 12667

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.827 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084886.D

Acq: 17 Nov 2024 11:26

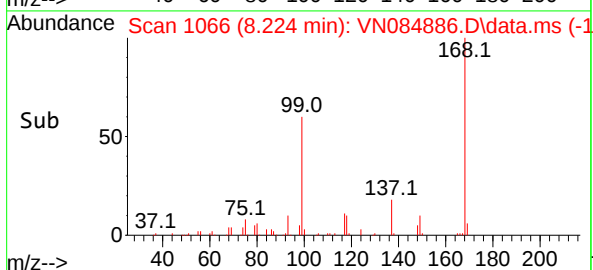
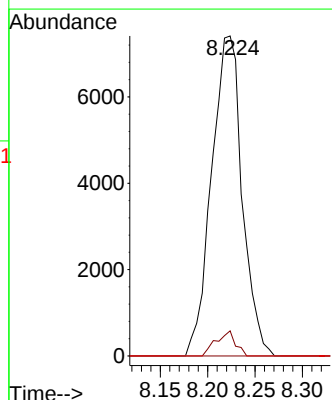
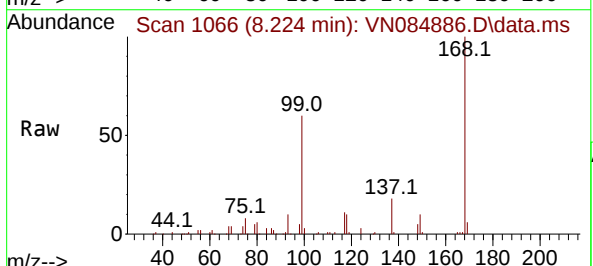
Tgt Ion: 117 Resp: 16682

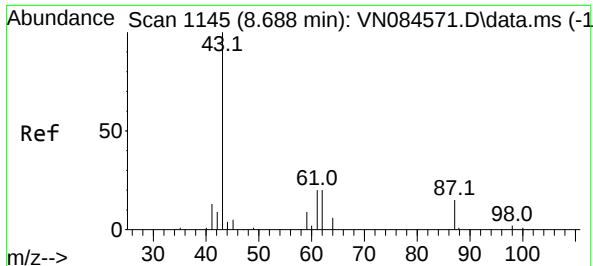
Ion Ratio Lower Upper

117 100

119 7.9 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.647 min Scan# 1145

Delta R.T. -0.041 min

Lab File: VN084886.D

Acq: 17 Nov 2024 11:26

Instrument :

MSVOA_N

ClientSampleId :

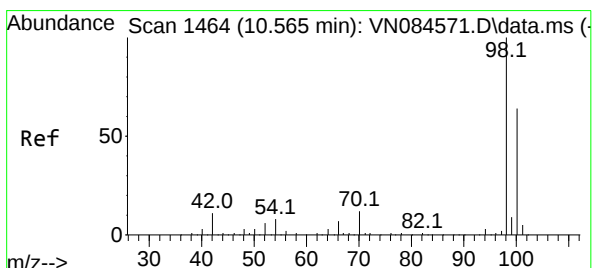
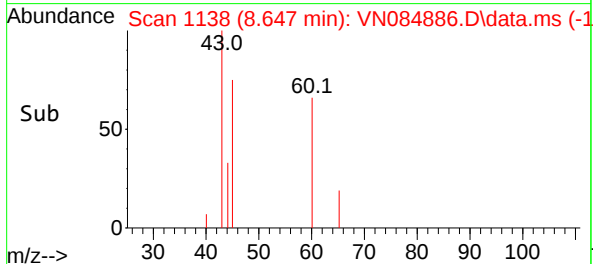
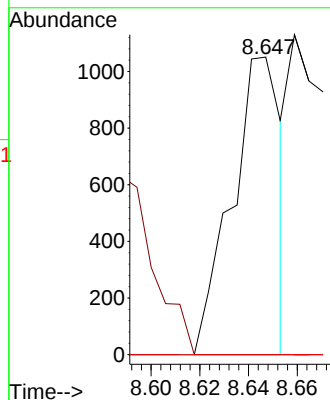
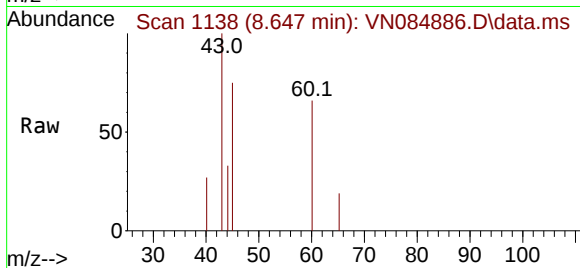
Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.783 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084886.D

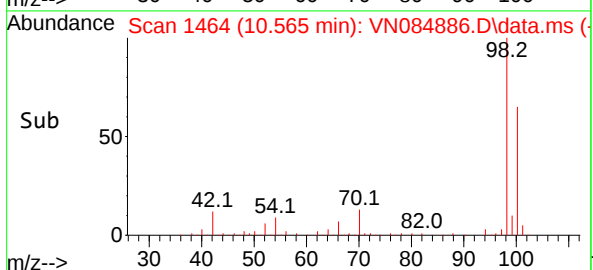
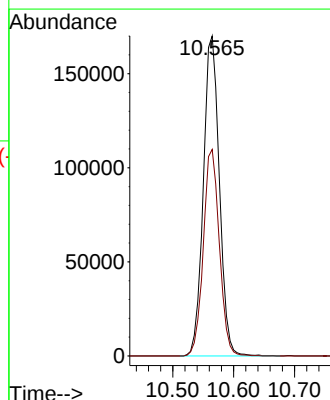
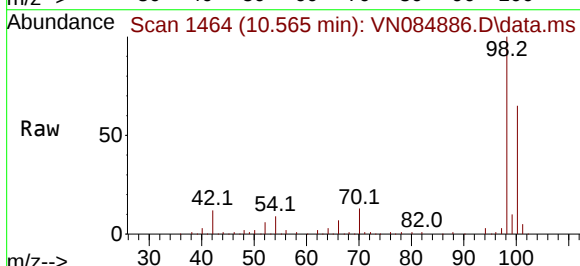
Acq: 17 Nov 2024 11:26

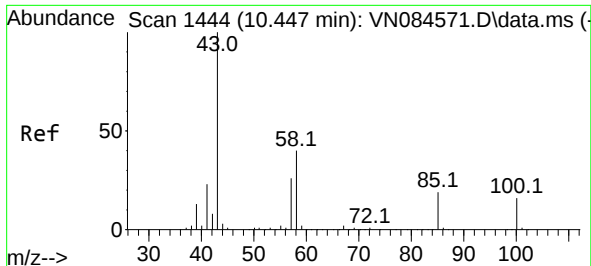
Tgt Ion: 98 Resp: 311458

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1

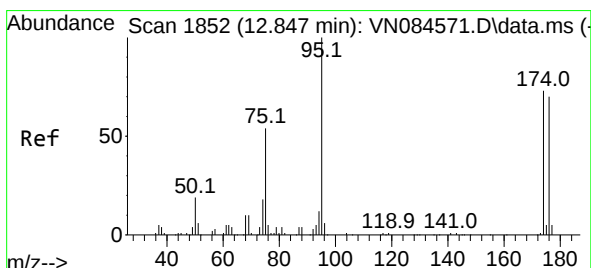
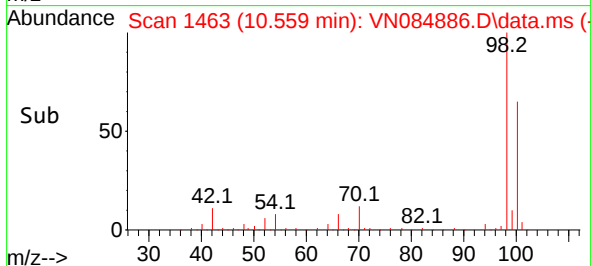
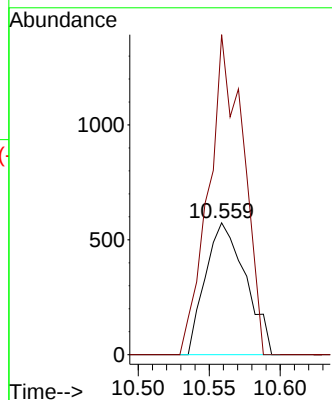
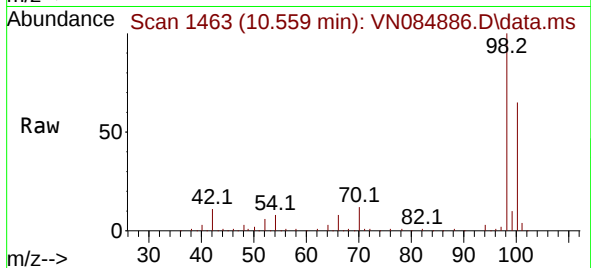




#51
4-Methyl-2-Pentanone
Concen: 0.510 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

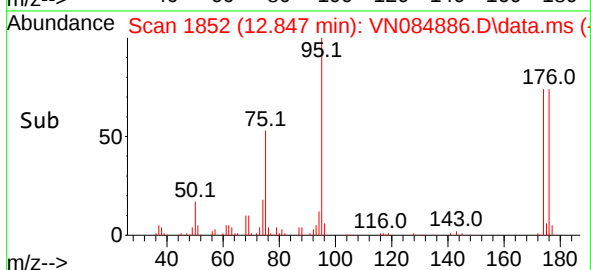
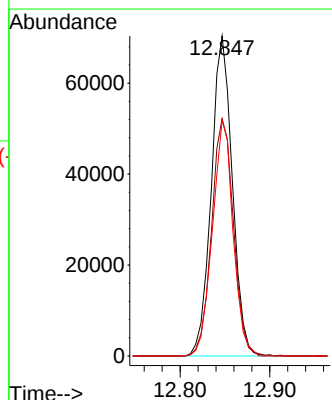
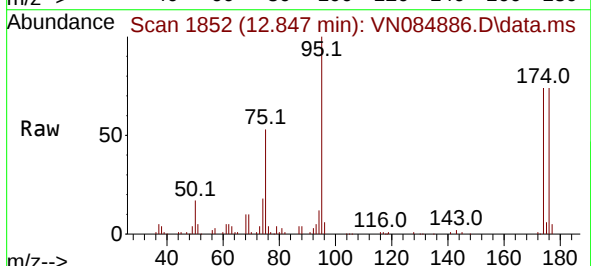
Instrument :
MSVOA_N
ClientSampleId :

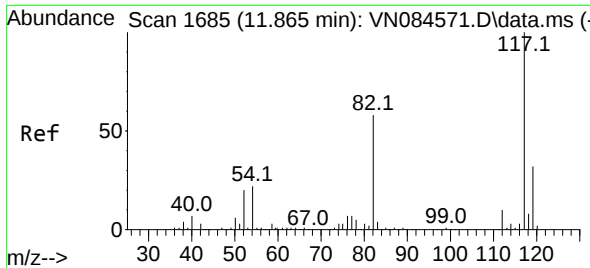
Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
58 209.2 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 44.942 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion: 95 Resp: 114265
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.2
176 72.5 0.0 140.0

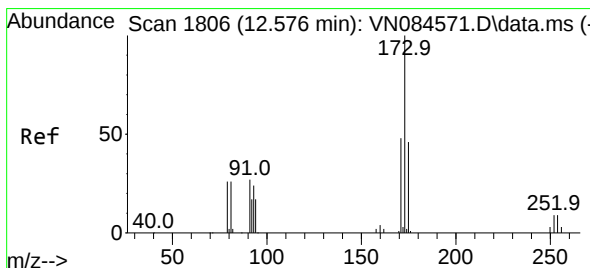
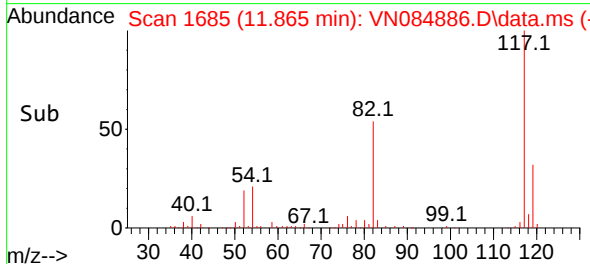
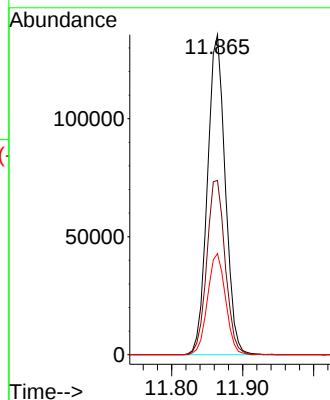
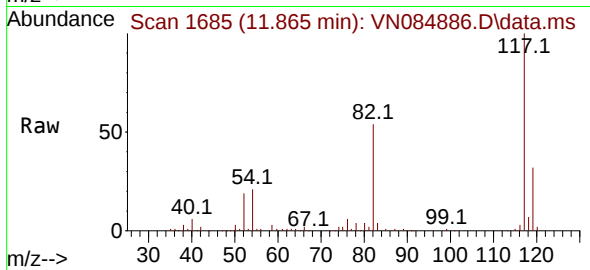




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

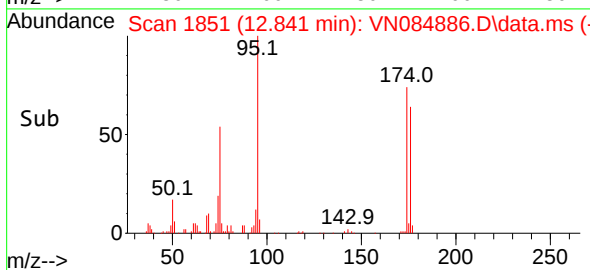
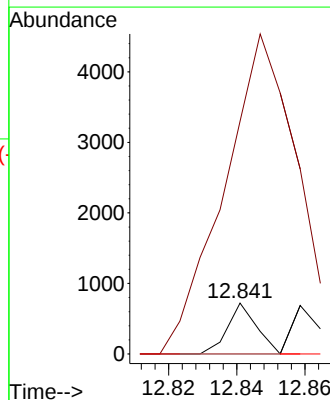
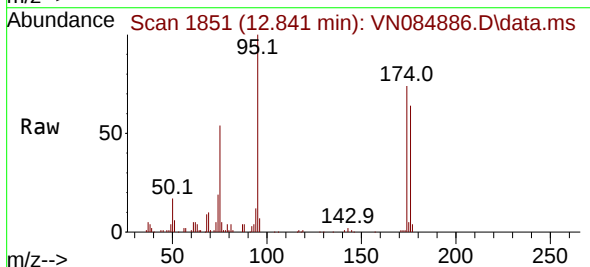
Instrument :
MSVOA_N
ClientSampleId :

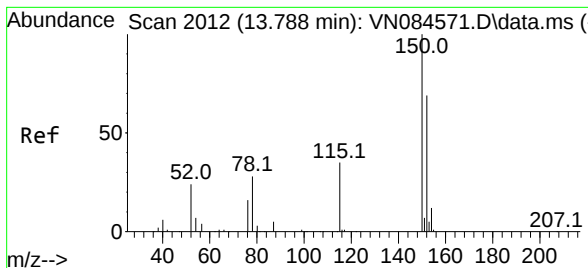
Tgt Ion:117 Resp: 236144
Ion Ratio Lower Upper
117 100
82 54.5 47.2 70.8
119 31.6 25.4 38.0



#71
Bromoform
Concen: 0.309 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion:173 Resp: 427
Ion Ratio Lower Upper
173 100
175 1274.2 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN084886.D

Acq: 17 Nov 2024 11:26

Instrument :

MSVOA_N

ClientSampleId :

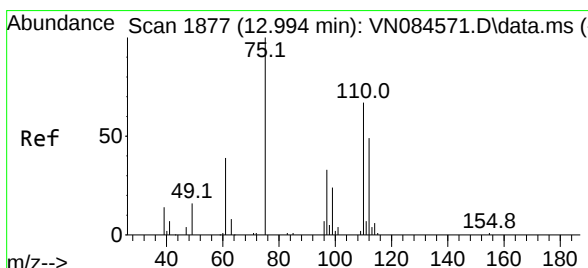
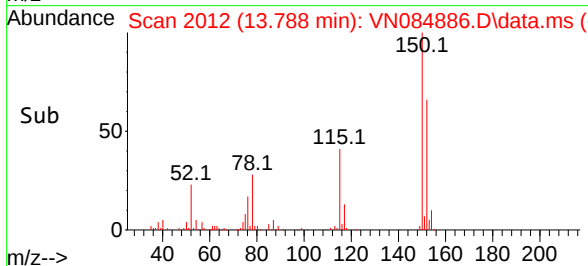
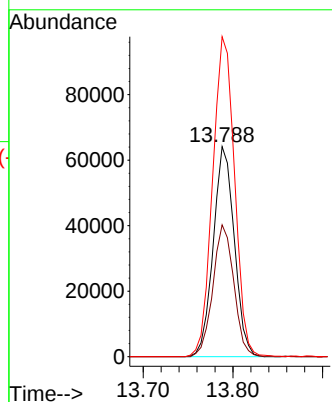
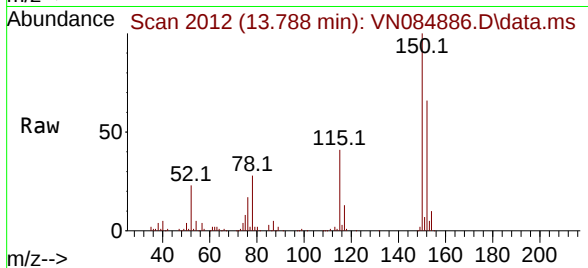
Tgt Ion:152 Resp: 104526

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.9

150 158.6 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.221 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084886.D

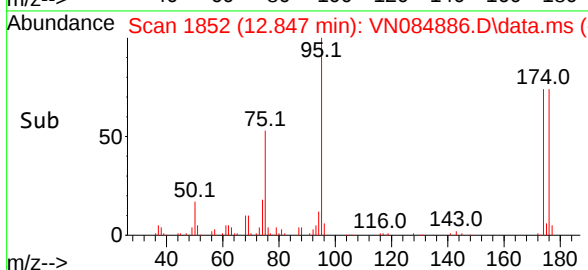
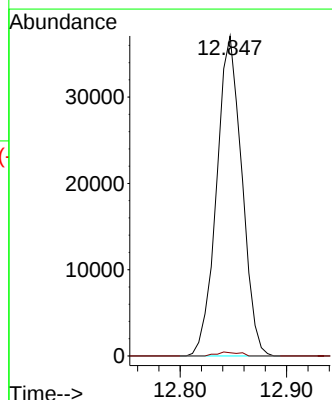
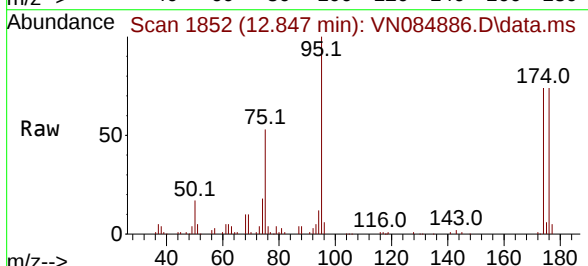
Acq: 17 Nov 2024 11:26

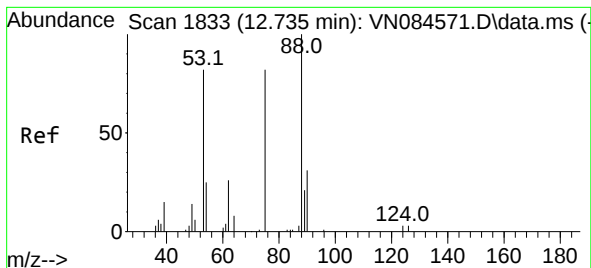
Tgt Ion: 75 Resp: 61055

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

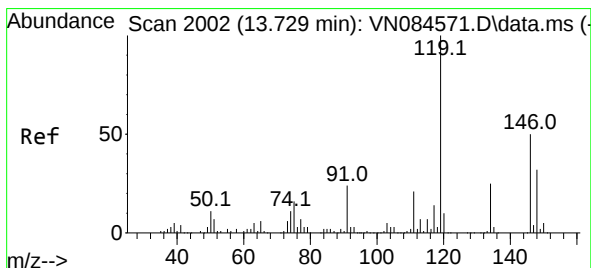
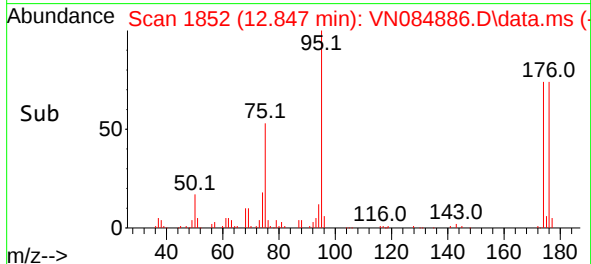
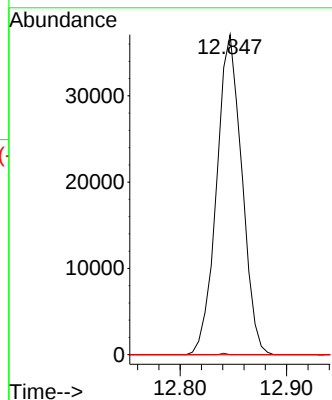
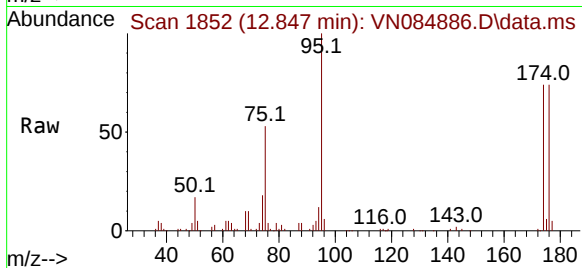




#81
trans-1,4-Dichloro-2-butene
Concen: 69.324 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

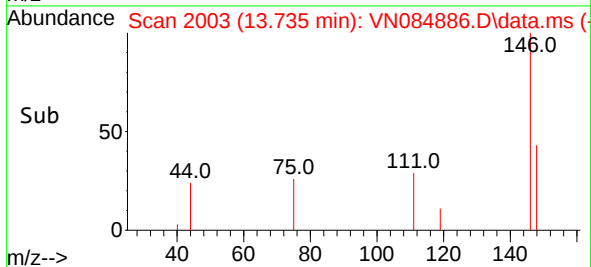
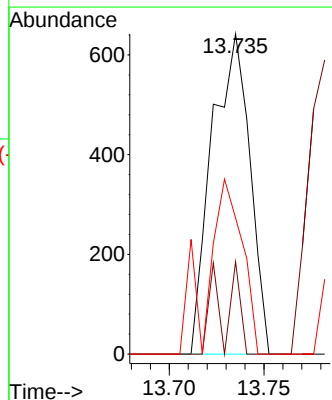
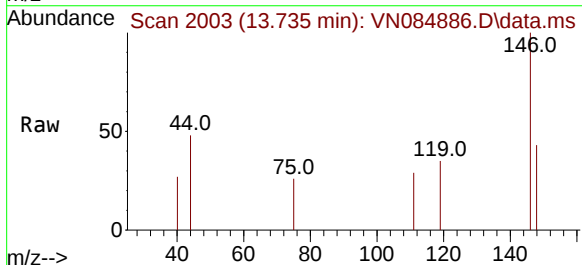
Instrument :
MSVOA_N
ClientSampleId :

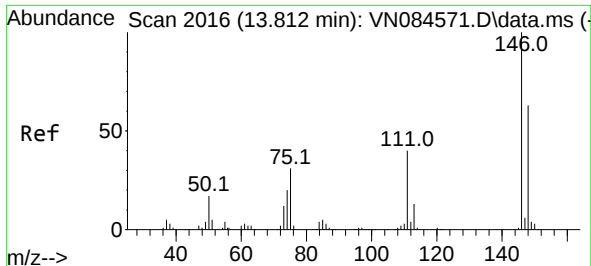
Tgt Ion: 75 Resp: 61055
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



#87
1,3-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

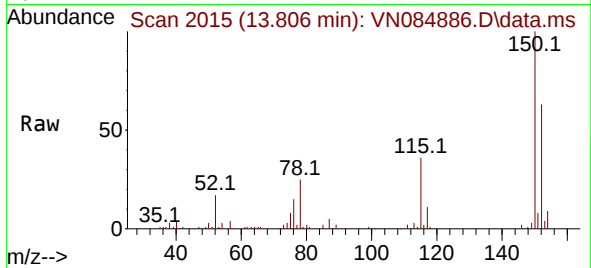
Tgt Ion:146 Resp: 895
Ion Ratio Lower Upper
146 100
111 14.5 21.8 65.3#
148 49.9 31.9 95.7



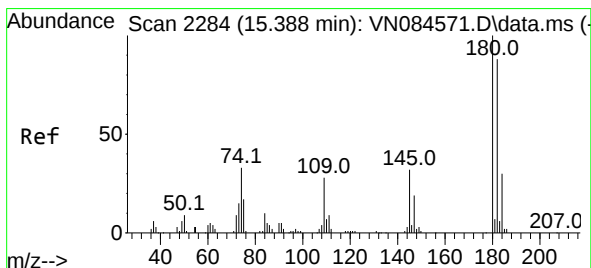
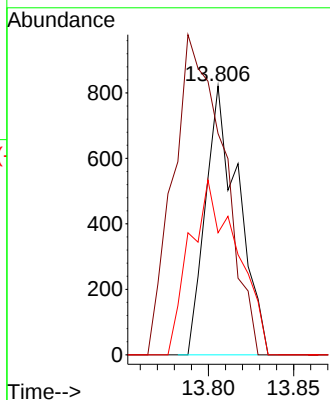
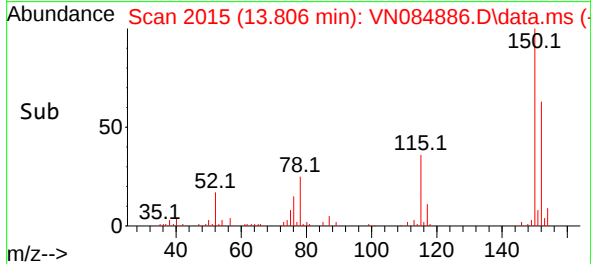


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

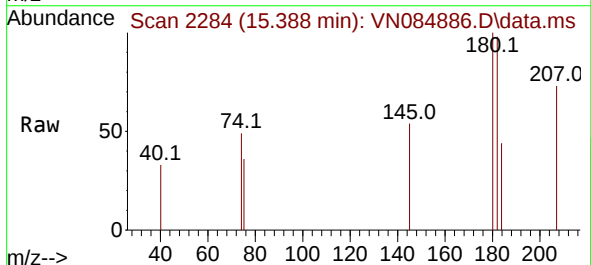
Instrument :
MSVOA_N
ClientSampleId :



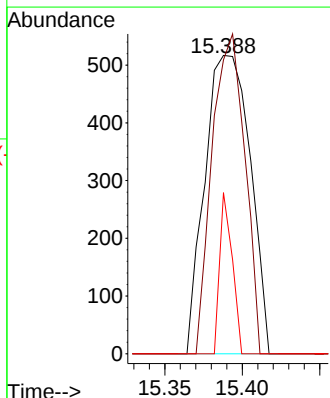
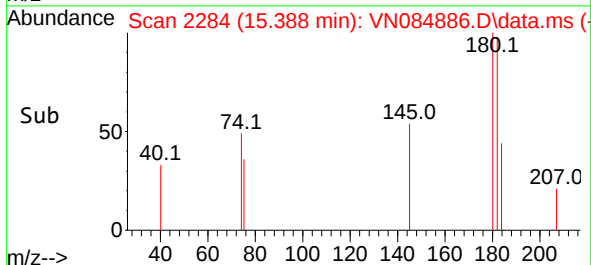
Tgt Ion:146 Resp: 1104
Ion Ratio Lower Upper
146 100
111 181.9 21.2 63.6#
148 93.1 31.9 95.9

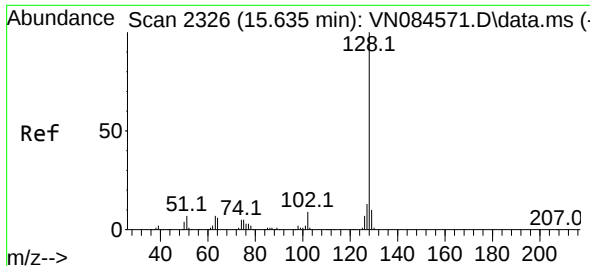


#93
1,2,4-Trichlorobenzene
Concen: 0.518 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26



Tgt Ion:180 Resp: 1048
Ion Ratio Lower Upper
180 100
182 77.5 47.0 141.0
145 14.9 16.4 49.4#

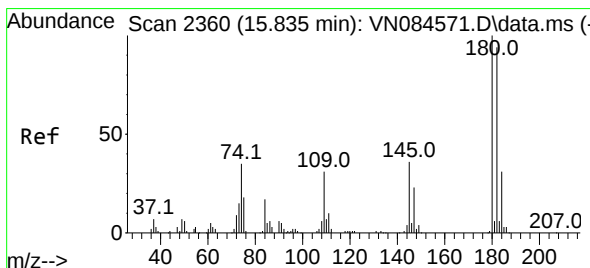
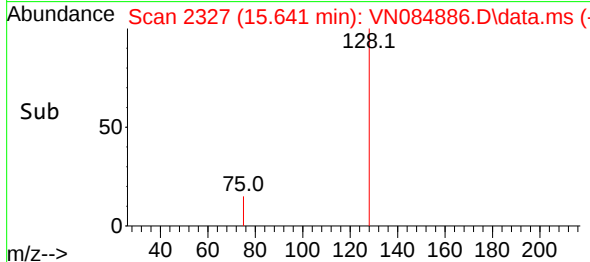
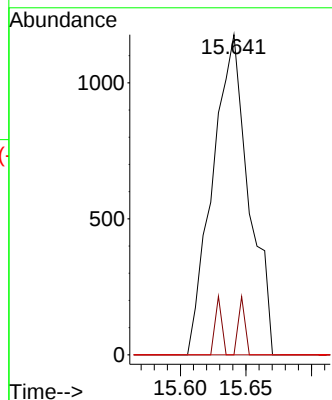
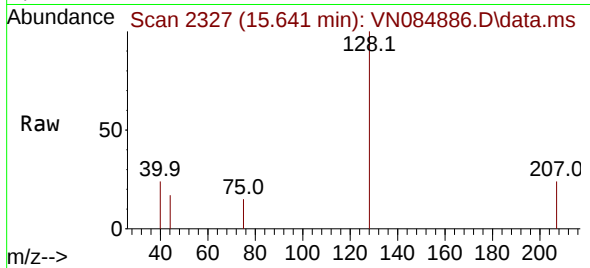




#95
Naphthalene
Concen: 0.374 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2261
Ion Ratio Lower Upper
128 100
127 3.4 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.523 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN084886.D
Acq: 17 Nov 2024 11:26

Tgt Ion:180 Resp: 1027
Ion Ratio Lower Upper
180 100
182 58.7 48.2 144.6
145 5.7 17.3 51.9#

