

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122624\
 Data File : VN085311.D
 Acq On : 26 Dec 2024 11:13
 Operator : JC\MD
 Sample : VN1226WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 27 00:42:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

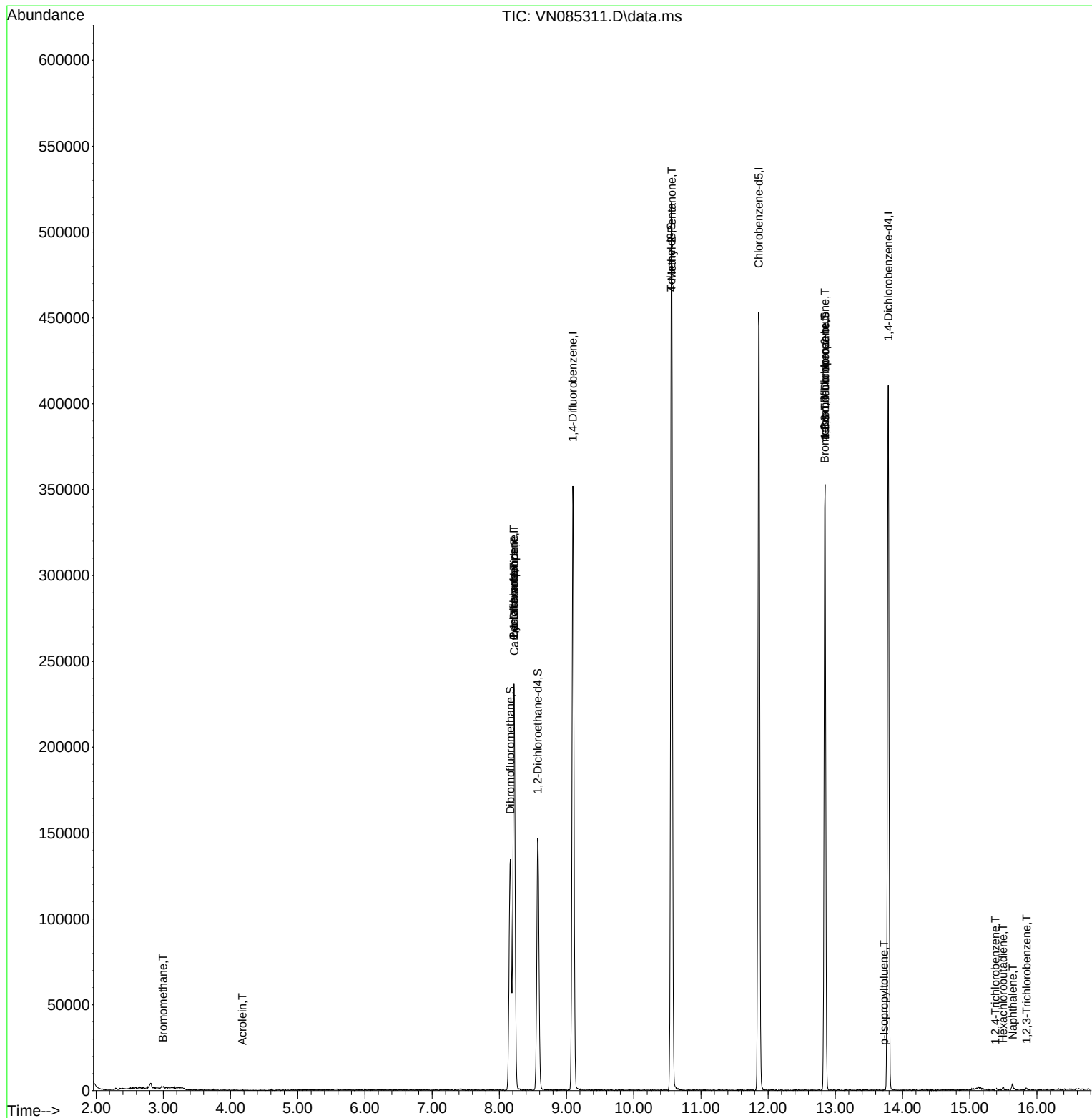
Internal Standards						
1) Pentafluorobenzene	8.218	168	159396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	294503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	251735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123859	44.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.920%
35) Dibromofluoromethane	8.165	113	95259	46.008	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.020%
50) Toluene-d8	10.559	98	357973	47.303	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.600%
62) 4-Bromofluorobenzene	12.847	95	118525	43.850	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.700%
Target Compounds						
					Qvalue	
5) Bromomethane	2.995	94	719	0.483	ug/l #	43
13) Acrolein	4.177	56	118	0.265	ug/l #	13
31) Cyclohexane	8.218	56	4787	1.328	ug/l #	9
36) 1,1-Dichloropropene	8.218	75	15136	5.250	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18533	5.317	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1661	0.520	ug/l #	1
71) Bromoform	12.841	173	842	0.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67369	27.599	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67369	73.285	ug/l #	7
86) p-Isopropyltoluene	13.723	119	77	1.957	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.382	180	473	0.278	ug/l #	51
94) Hexachlorobutadiene	15.494	225	444	0.502	ug/l	91
95) Naphthalene	15.641	128	4416	0.784	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.847	180	648	0.381	ug/l #	63

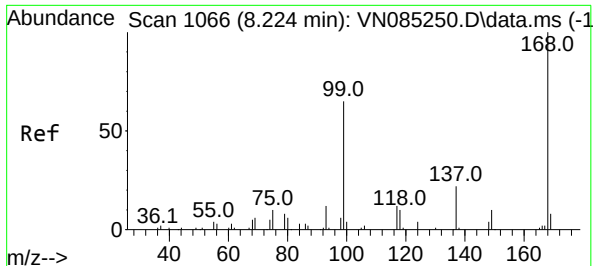
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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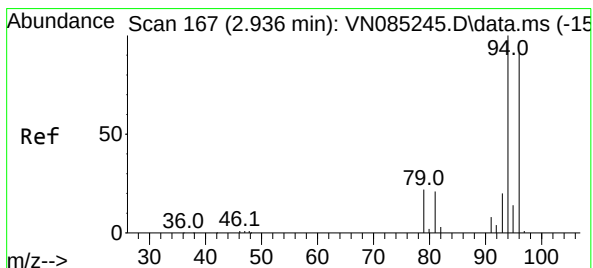
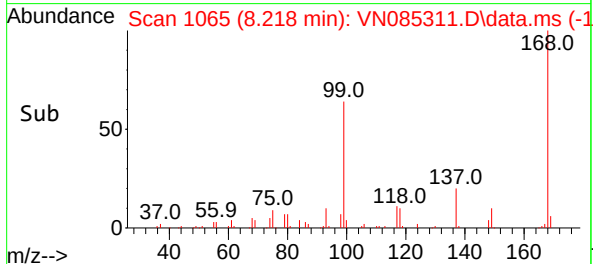
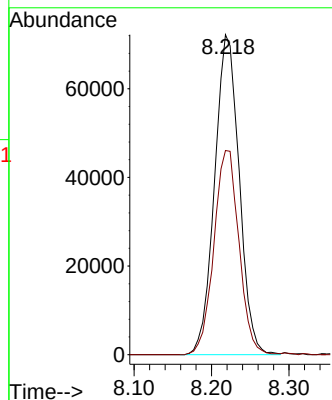
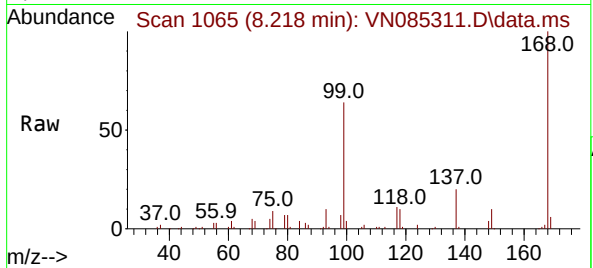




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

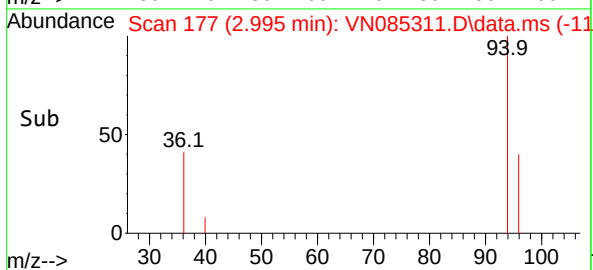
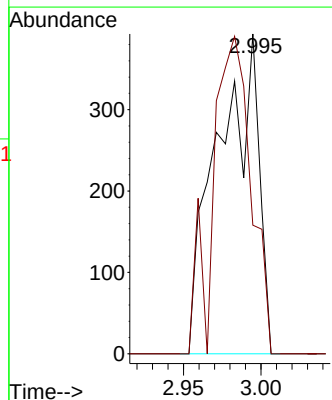
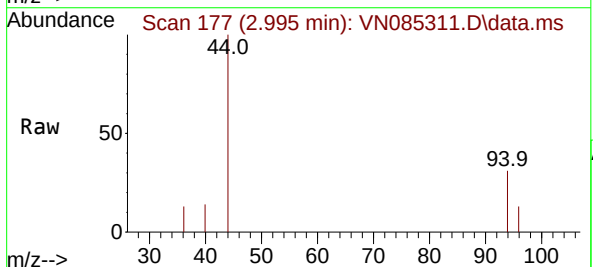
Instrument :
MSVOA_N
ClientSampleId :

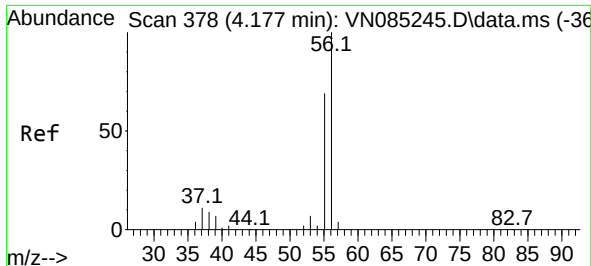
Tgt Ion:168 Resp: 159396
Ion Ratio Lower Upper
168 100
99 63.8 50.7 76.1



#5
Bromomethane
Concen: 0.483 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.047 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion: 94 Resp: 719
Ion Ratio Lower Upper
94 100
96 40.2 76.8 115.2#

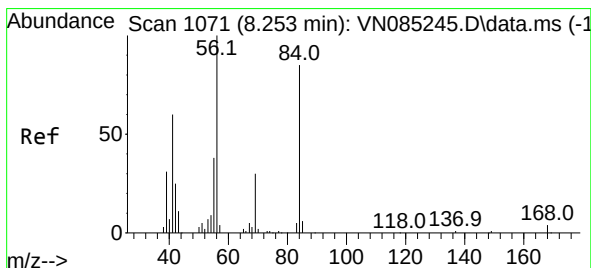
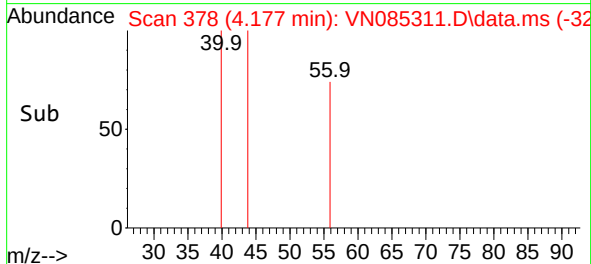
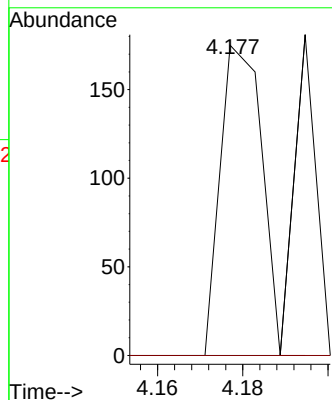
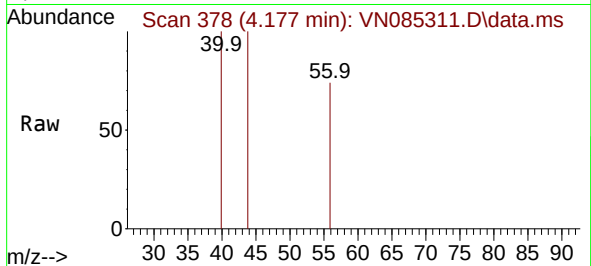




#13
Acrolein
Concen: 0.265 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

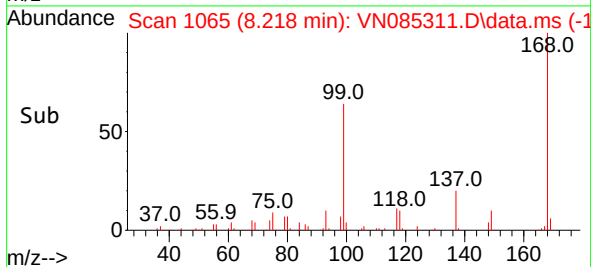
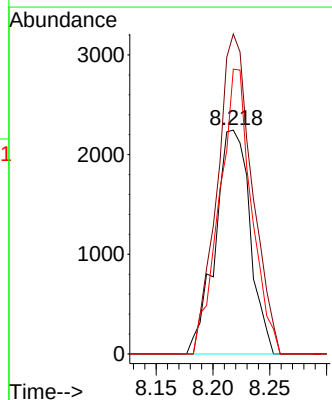
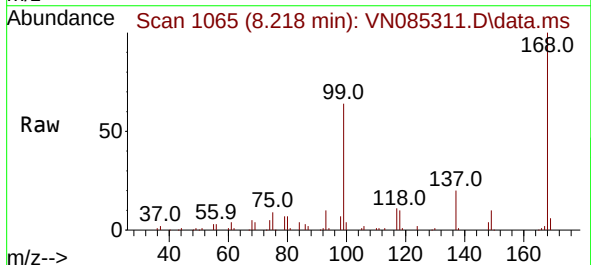
Instrument :
MSVOA_N
ClientSampleId :

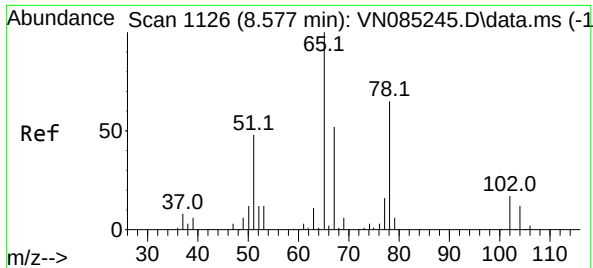
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 0.0 59.0 88.6#



#31
Cyclohexane
Concen: 1.328 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion: 56 Resp: 4787
Ion Ratio Lower Upper
56 100
69 142.9 23.6 35.4#
84 127.2 66.6 99.8#

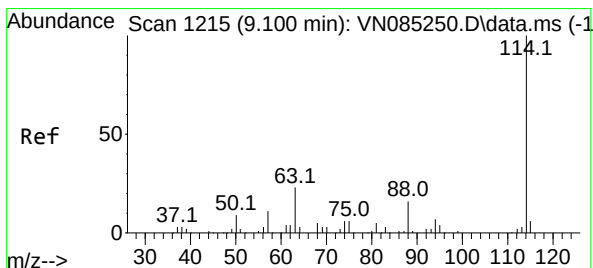
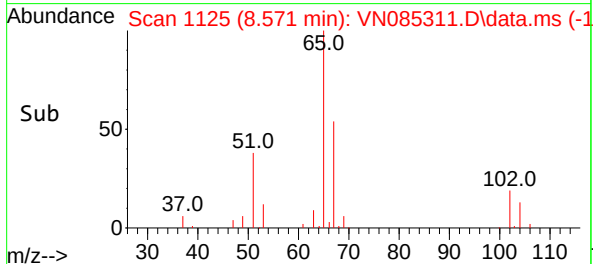
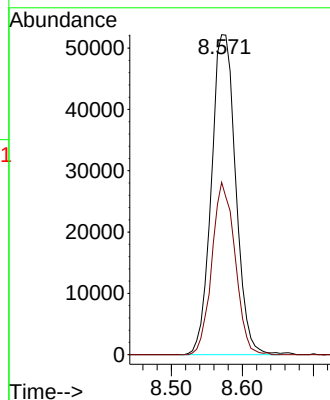
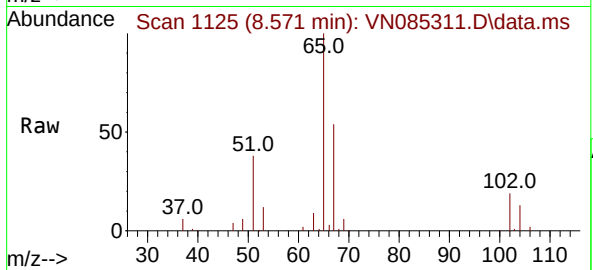




#33
 1,2-Dichloroethane-d4
 Concen: 44.458 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN085311.D
 Acq: 26 Dec 2024 11:13

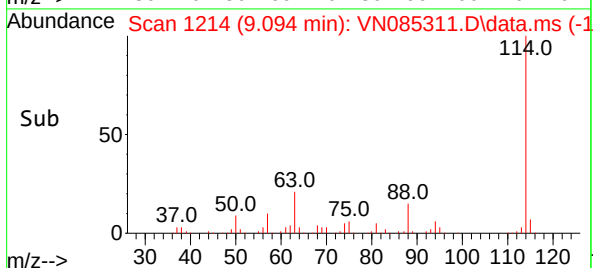
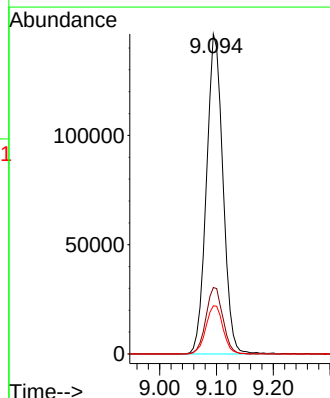
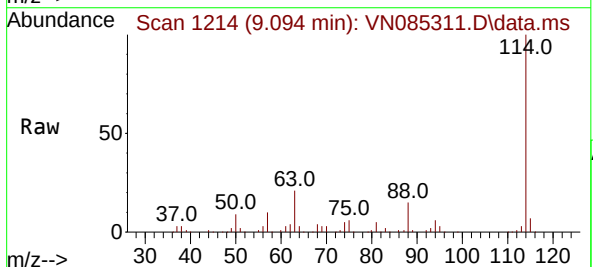
Instrument :
 MSVOA_N
 ClientSampleId :

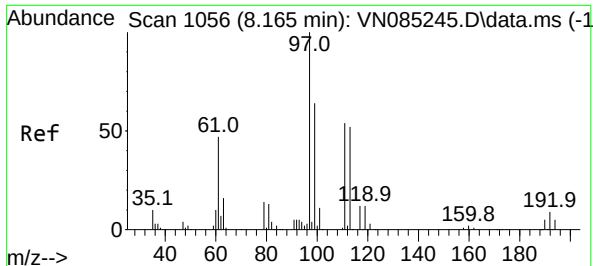
Tgt Ion: 65 Resp: 123859
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN085311.D
 Acq: 26 Dec 2024 11:13

Tgt Ion: 114 Resp: 294503
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 46.2
 88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.008 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085311.D

Acq: 26 Dec 2024 11:13

Instrument :

MSVOA_N

ClientSampleId :

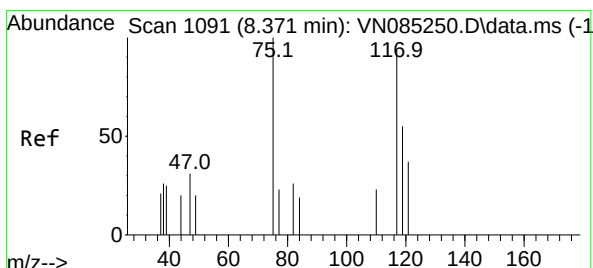
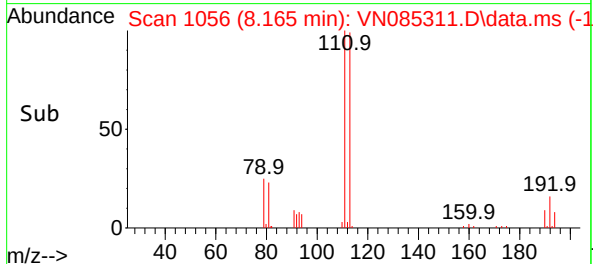
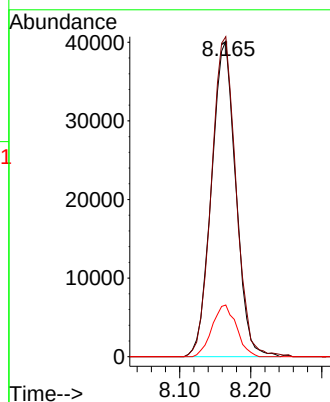
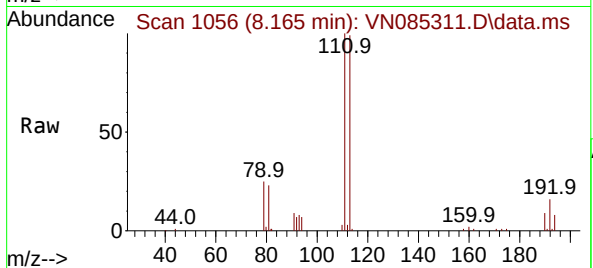
Tgt Ion:113 Resp: 95259

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 16.5 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.250 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085311.D

Acq: 26 Dec 2024 11:13

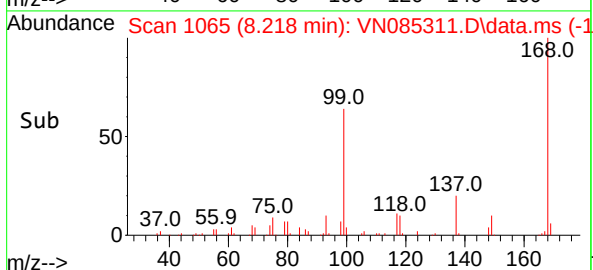
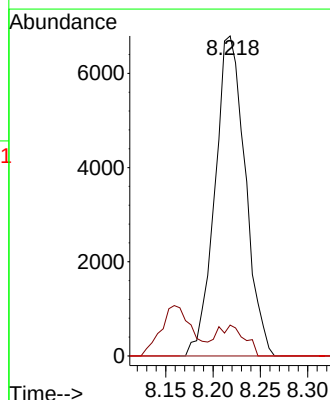
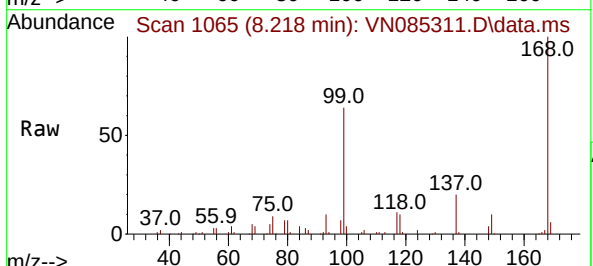
Tgt Ion: 75 Resp: 15136

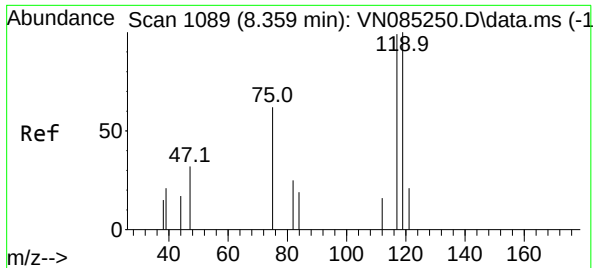
Ion Ratio Lower Upper

75 100

110 8.8 16.0 48.0#

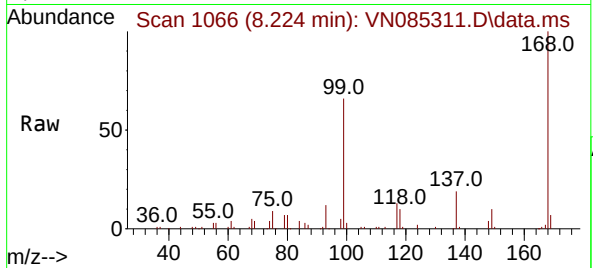
77 0.0 24.6 36.8#



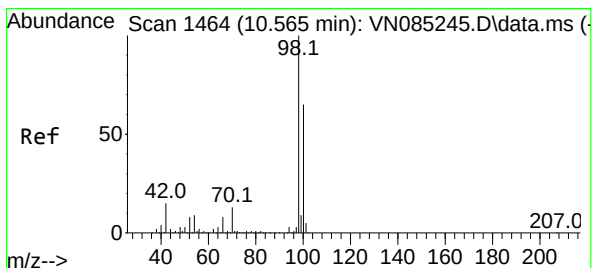
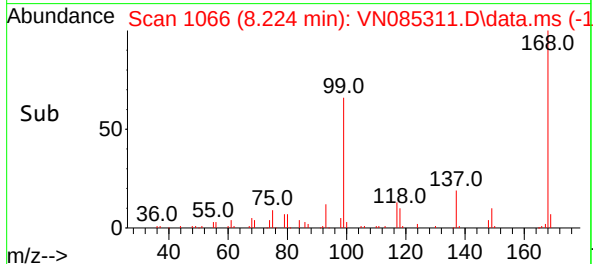
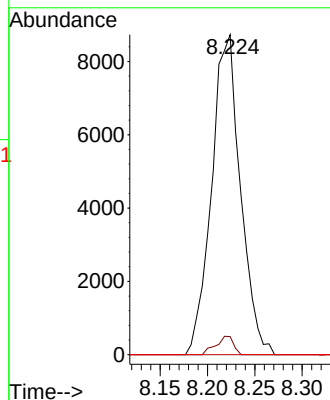


#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :

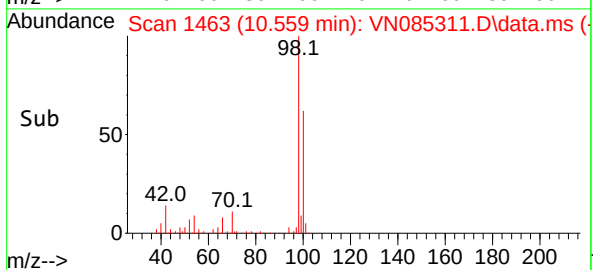
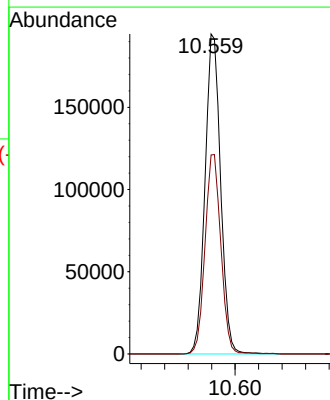
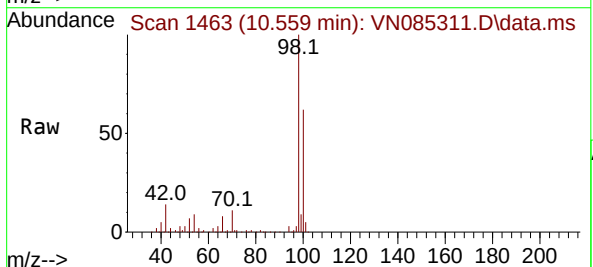


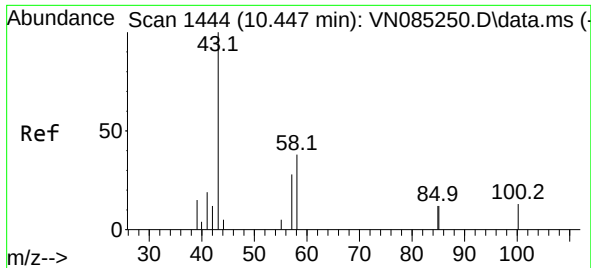
Tgt Ion:117 Resp: 18533
Ion Ratio Lower Upper
117 100
119 5.7 74.8 112.2#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.303 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion: 98 Resp: 357973
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

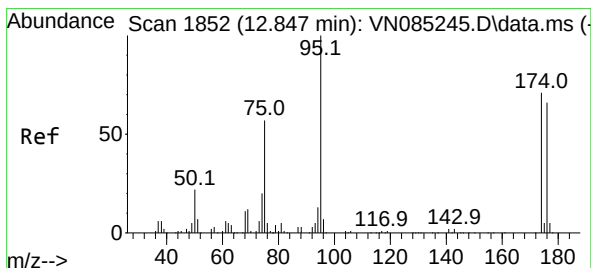
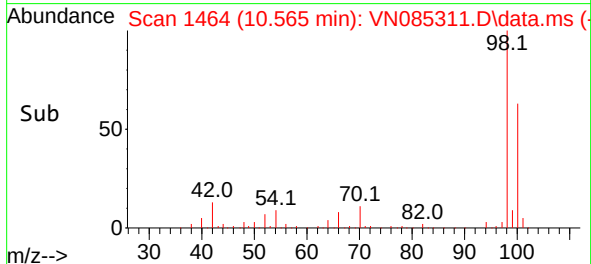
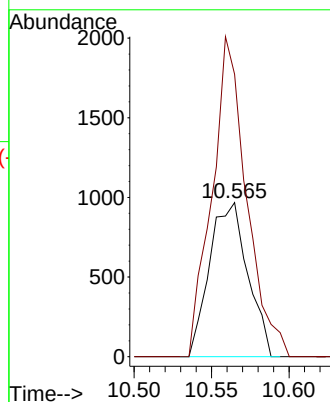
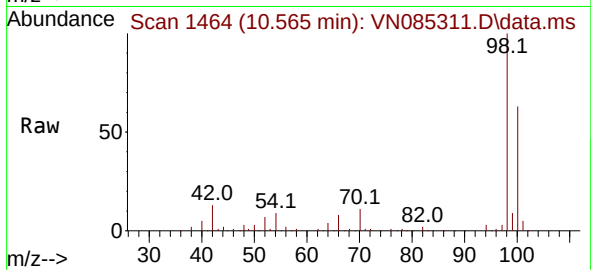




#51
4-Methyl-2-Pentanone
Concen: 0.520 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

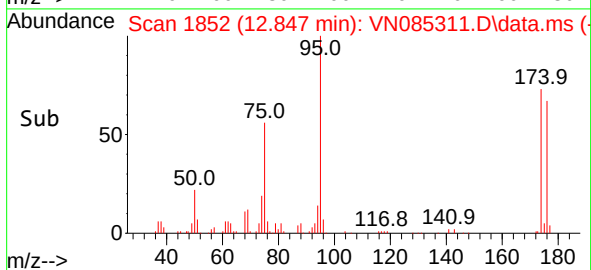
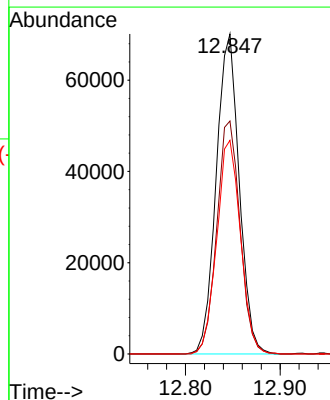
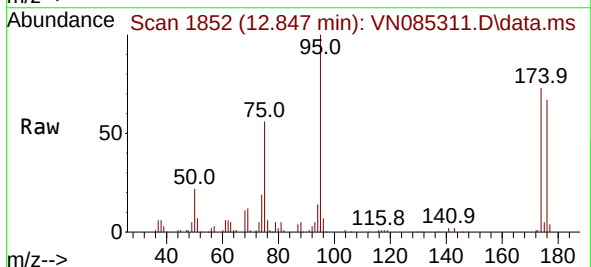
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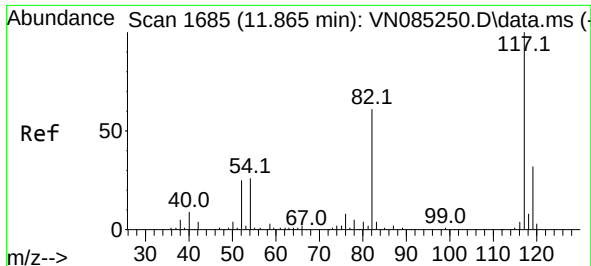
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
58 187.3 29.4 44.2#



#62
4-Bromofluorobenzene
Concen: 43.850 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

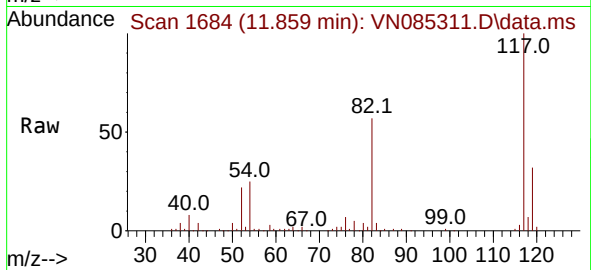
Tgt Ion: 95 Resp: 118525
Ion Ratio Lower Upper
95 100
174 73.4 0.0 144.4
176 68.8 0.0 136.6



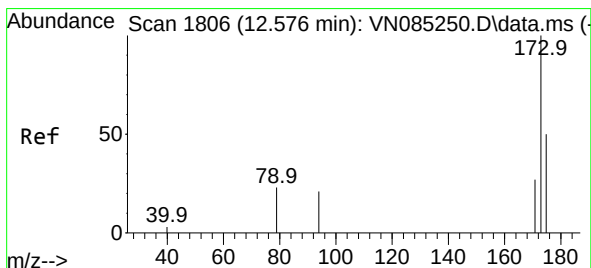
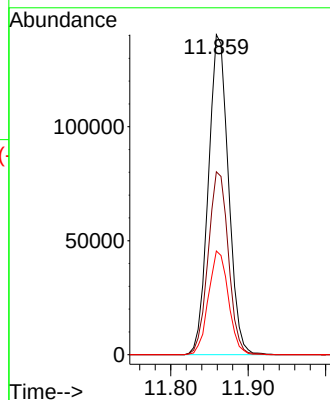
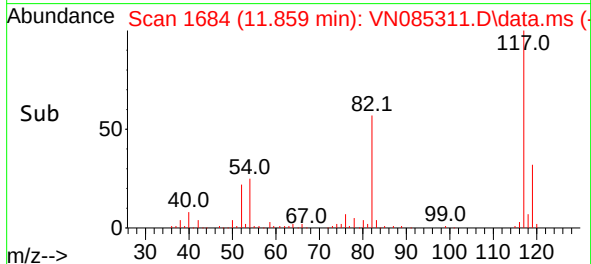


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :

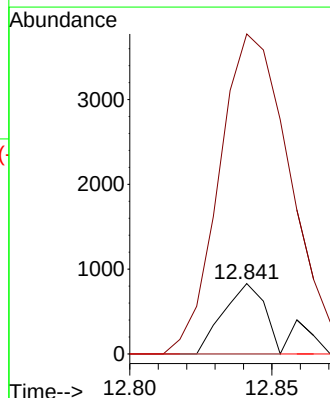
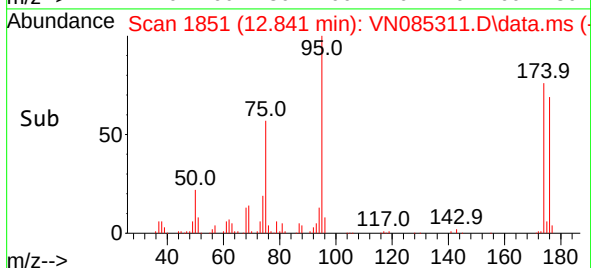
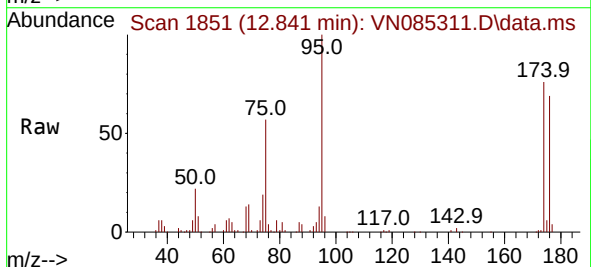


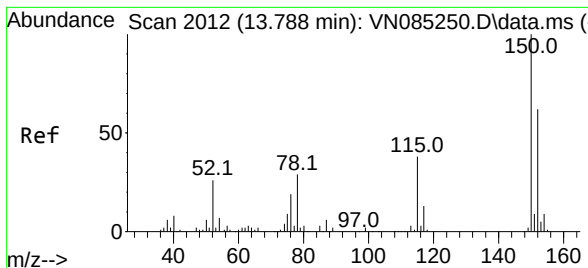
Tgt Ion:117 Resp: 251735
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.544 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion:173 Resp: 842
Ion Ratio Lower Upper
173 100
175 653.0 24.5 73.5#
254 0.0 0.0 0.0

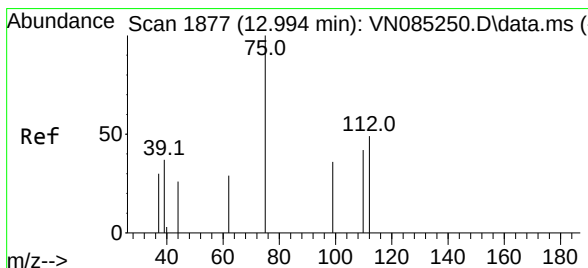
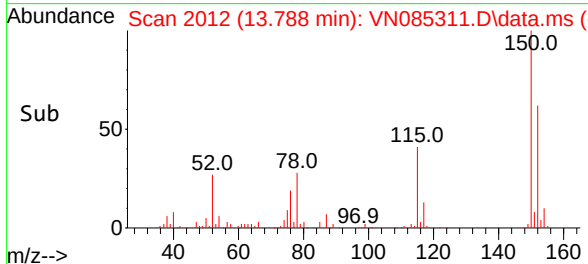
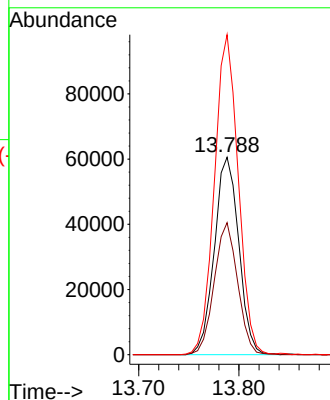
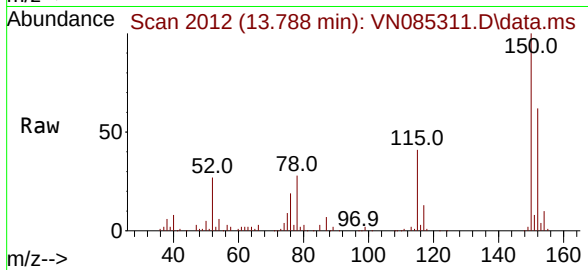




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

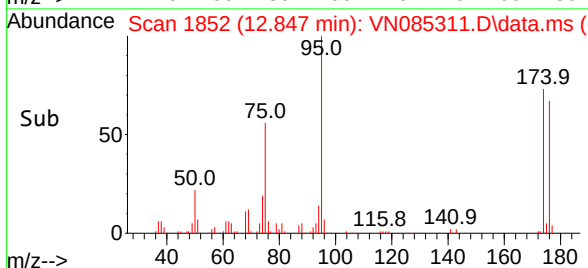
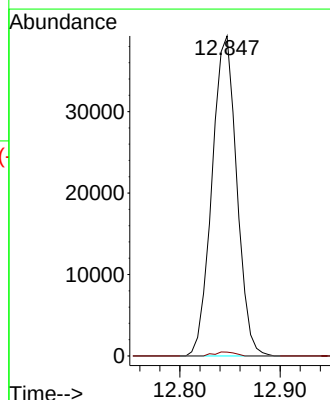
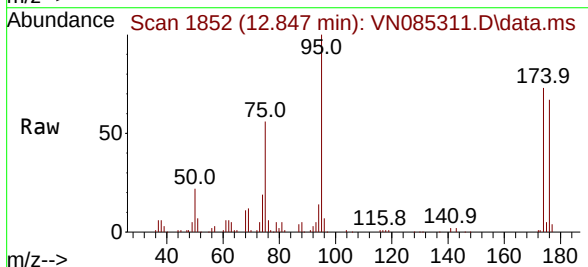
Instrument :
MSVOA_N
ClientSampleId :

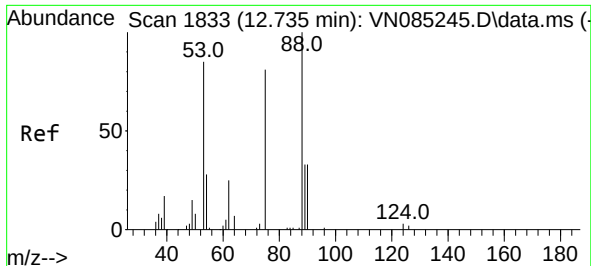
Tgt Ion:152 Resp: 102404
Ion Ratio Lower Upper
152 100
115 64.1 32.1 96.3
150 158.0 0.0 354.6



#76
1,2,3-Trichloropropane
Concen: 27.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion: 75 Resp: 67369
Ion Ratio Lower Upper
75 100
77 1.1 102.6 307.7#

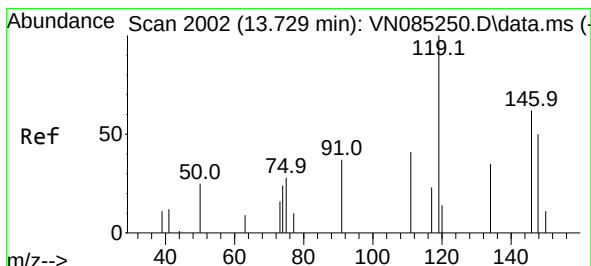
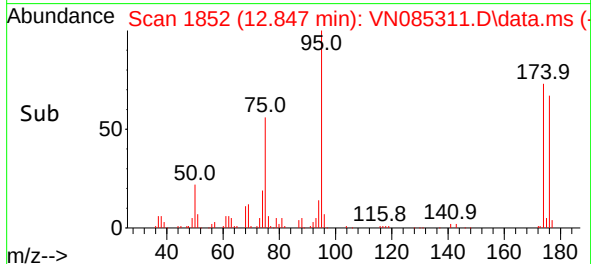
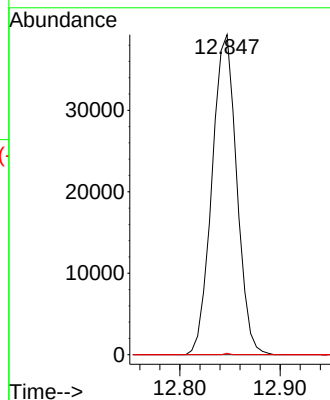
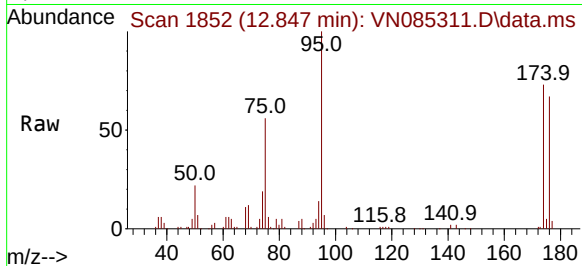




#81
trans-1,4-Dichloro-2-butene
Concen: 73.285 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

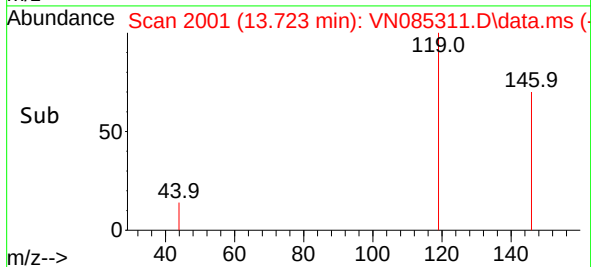
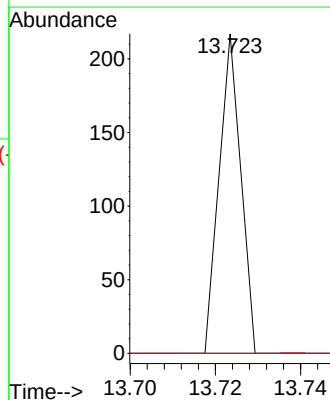
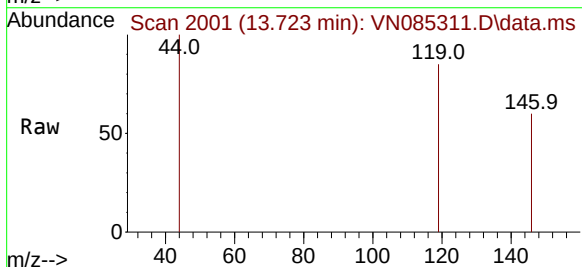
Instrument :
MSVOA_N
ClientSampleId :

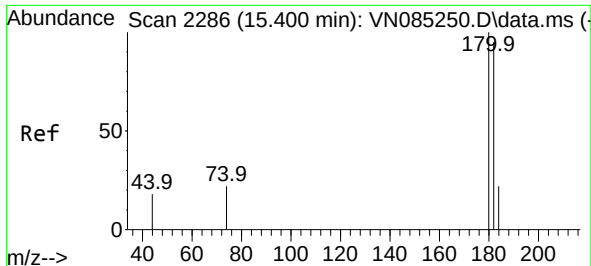
Tgt Ion: 75 Resp: 67369
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 0.1 37.9 56.9#



#86
p-Isopropyltoluene
Concen: 1.957 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

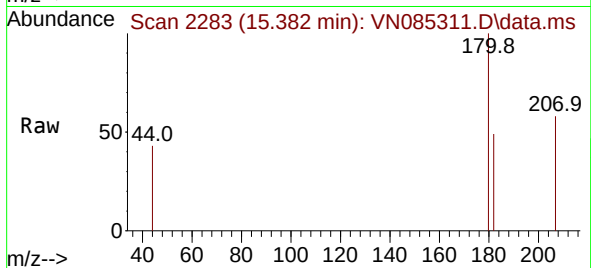
Tgt Ion: 119 Resp: 77
Ion Ratio Lower Upper
119 100
134 0.0 12.5 37.5#
91 0.0 13.0 38.9#



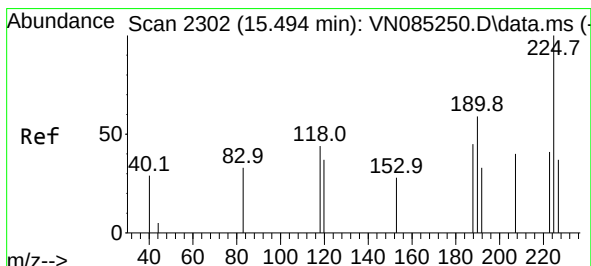
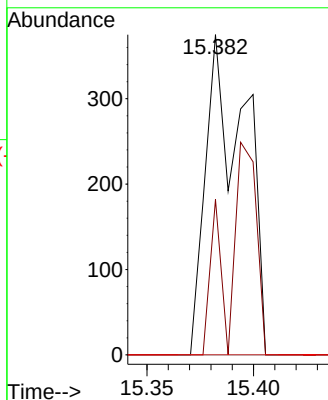
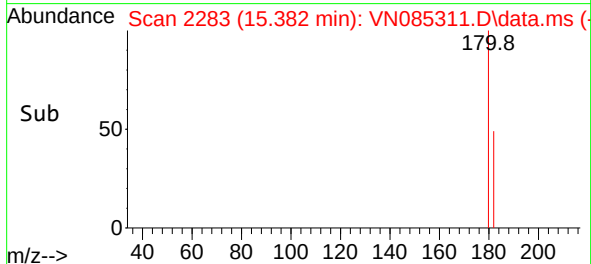


#93
1,2,4-Trichlorobenzene
Concen: 0.278 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :

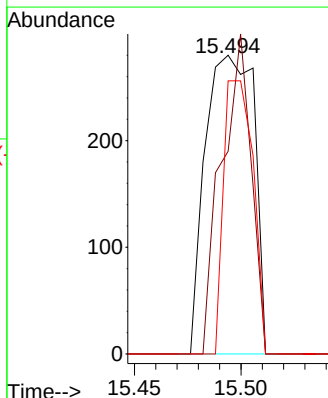
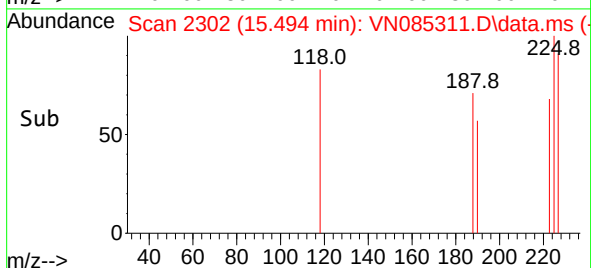
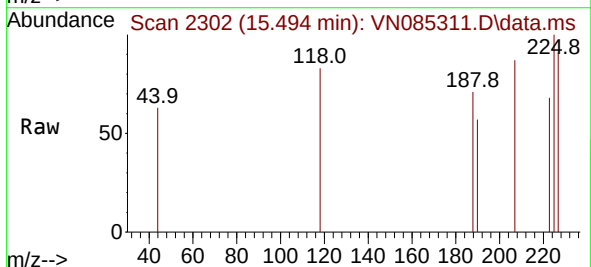


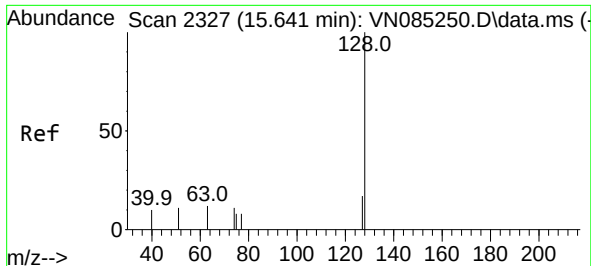
Tgt Ion:180 Resp: 473
Ion Ratio Lower Upper
180 100
182 49.0 46.3 138.8
145 0.0 16.6 49.7#



#94
Hexachlorobutadiene
Concen: 0.502 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion:225 Resp: 444
Ion Ratio Lower Upper
225 100
223 65.1 34.1 102.2
227 55.4 33.2 99.6

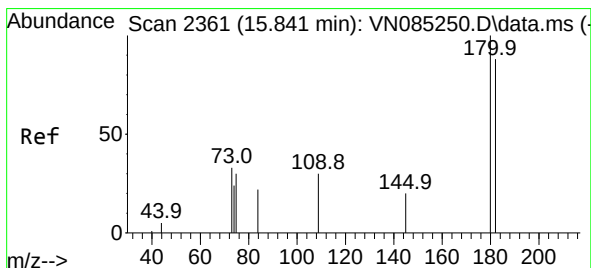
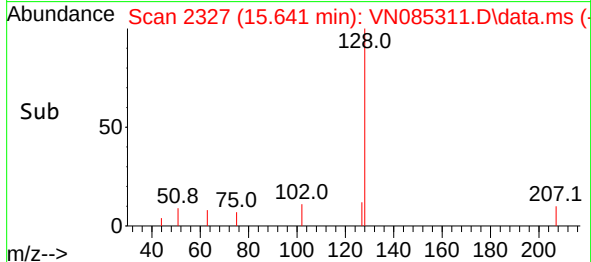
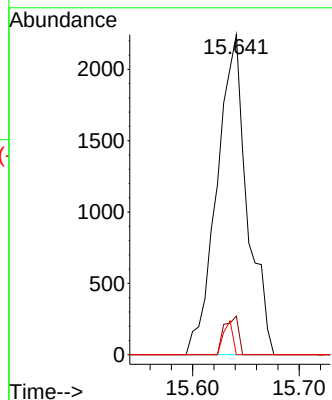
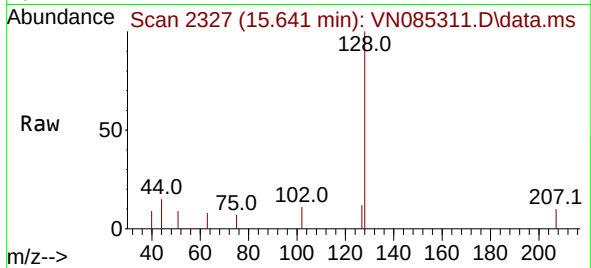




#95
Naphthalene
Concen: 0.784 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4416
Ion Ratio Lower Upper
128 100
127 5.6 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.381 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085311.D
Acq: 26 Dec 2024 11:13

Tgt Ion:180 Resp: 648
Ion Ratio Lower Upper
180 100
182 60.3 46.9 140.6
145 9.0 17.6 52.8#

