

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084777.D
 Acq On : 11 Nov 2024 17:18
 Operator : JC\MD
 Sample : P4771-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:35:13 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)

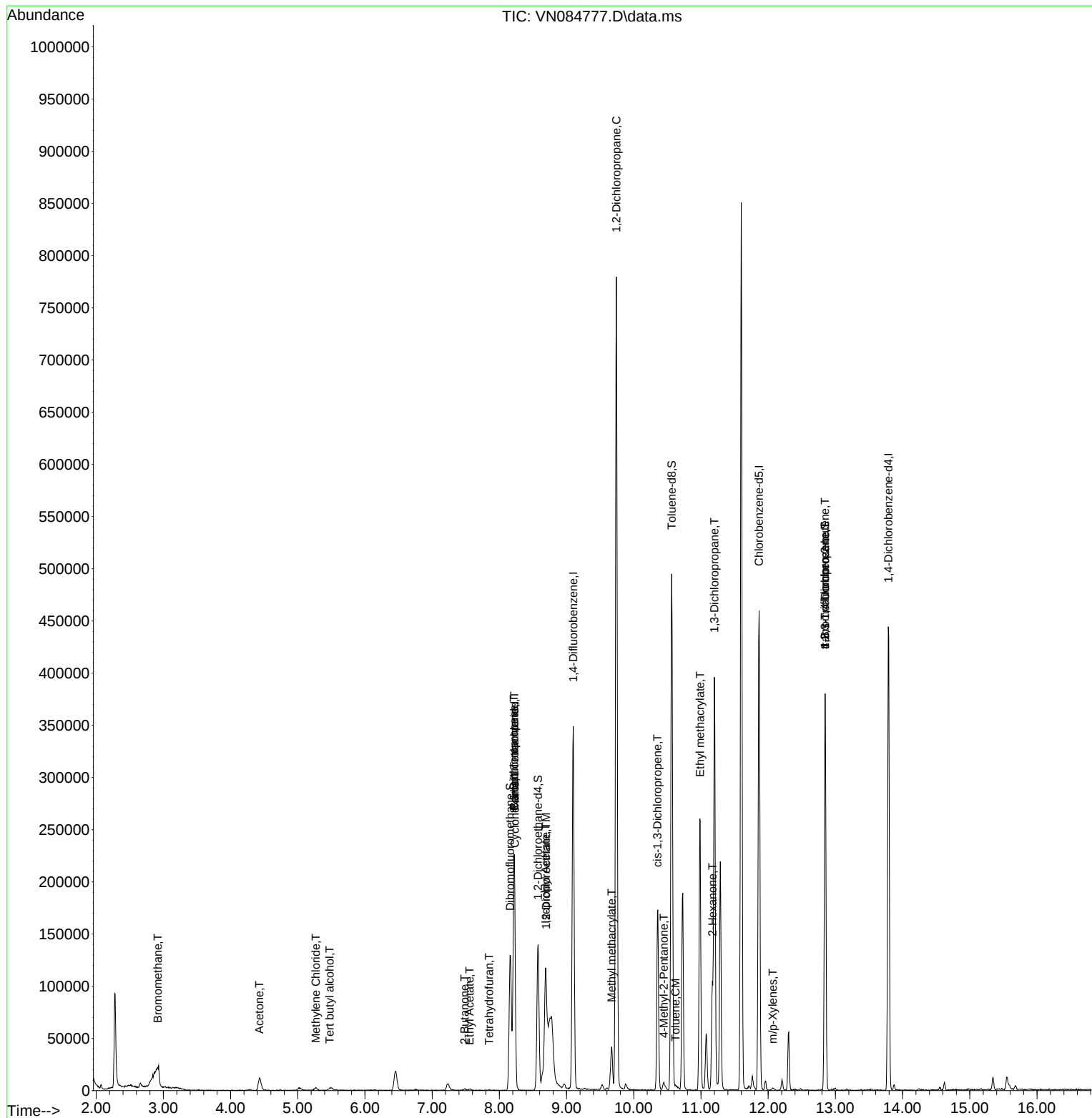
Internal Standards						
1) Pentafluorobenzene	8.224	168	163735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117478	49.676	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.360%		
35) Dibromofluoromethane	8.159	113	95331	47.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.400%		
50) Toluene-d8	10.565	98	343719	46.691	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.380%		
62) 4-Bromofluorobenzene	12.847	95	136214	49.509	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	563	Below Cal	#	41
5) Bromomethane	2.918	94	266	0.248	ug/l #	7
6) Chloroethane	3.106	64	232	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	1123	3.598	ug/l #	73
16) Acetone	4.430	43	23420	31.794	ug/l	96
18) Methyl Acetate	5.024	43	5551	Below Cal		94
20) Methylene Chloride	5.271	84	1699	0.817	ug/l #	66
25) 2-Butanone	7.483	43	2624	2.378	ug/l	91
29) Tetrahydrofuran	7.847	42	267	0.365	ug/l #	34
31) Cyclohexane	8.230	56	3285	1.006	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	13991	5.048	ug/l #	51
37) Ethyl Acetate	7.559	43	2336	0.929	ug/l #	75
38) Carbon Tetrachloride	8.224	117	17802	5.746	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	809	0.281	ug/l #	75
43) Isopropyl Acetate	8.688	43	162971	34.787	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	991	0.475	ug/l #	44
48) Methyl methacrylate	9.671	41	2331	1.191	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	8518	3.553	ug/l #	72
52) Toluene	10.624	92	1761	0.338	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	33007	9.701	ug/l #	62
56) Ethyl methacrylate	10.988	69	1246	0.439	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4072	1.210	ug/l #	42
59) 2-Hexanone	11.171	43	81438	46.672	ug/l #	24
68) m/p-Xylenes	12.071	106	950	0.248	ug/l	91
76) 1,2,3-Trichloropropane	12.847	75	69253	27.951	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69253	66.310	ug/l #	11
88) 1,4-Dichlorobenzene	13.823	146	181	Below Cal	#	26

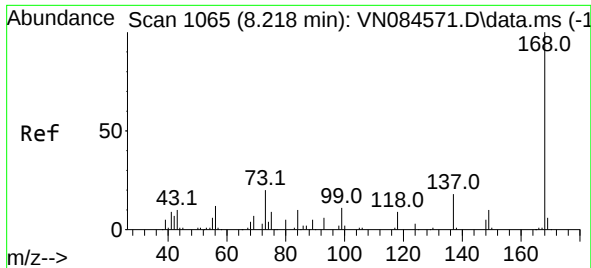
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

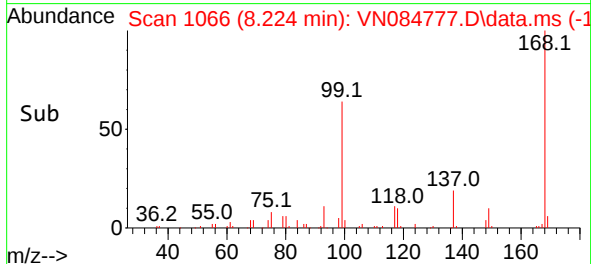
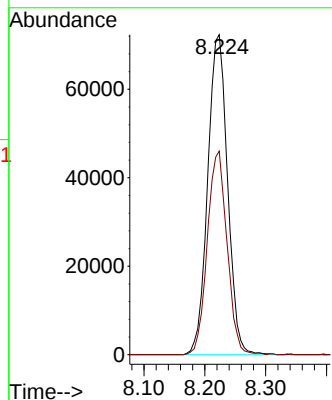
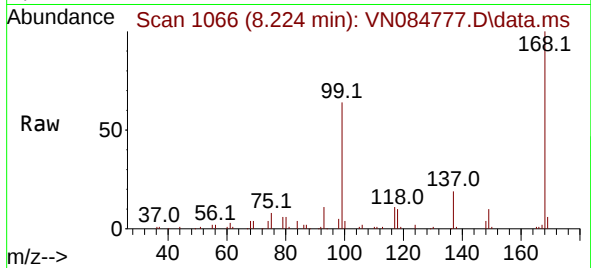




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

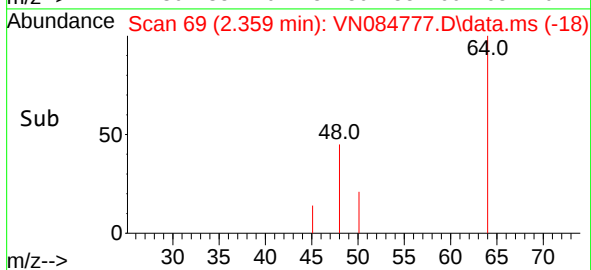
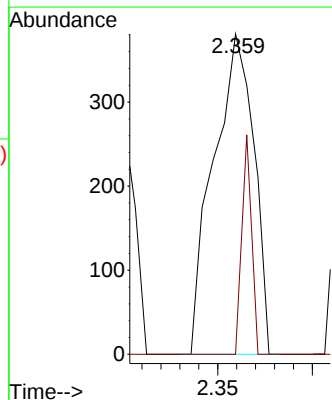
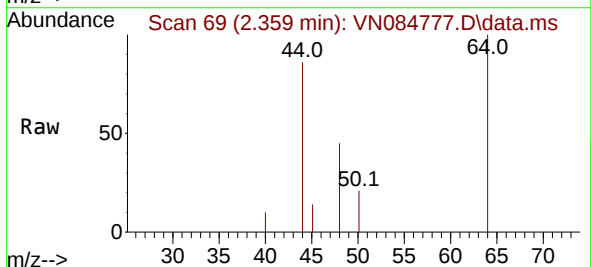
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 163735
Ion Ratio Lower Upper
168 100
99 63.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

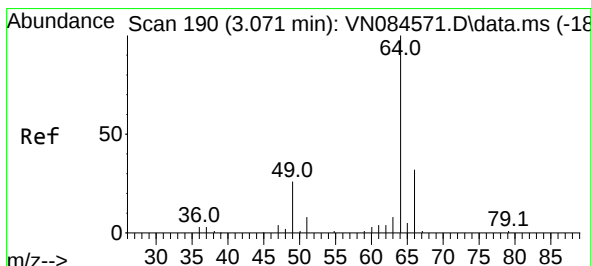
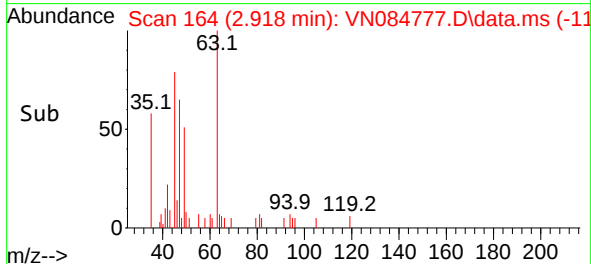
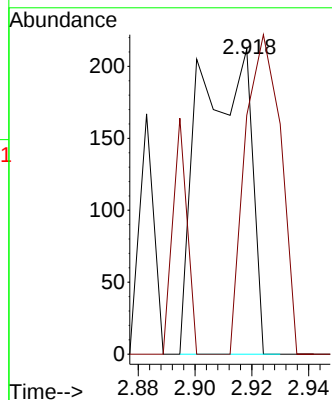
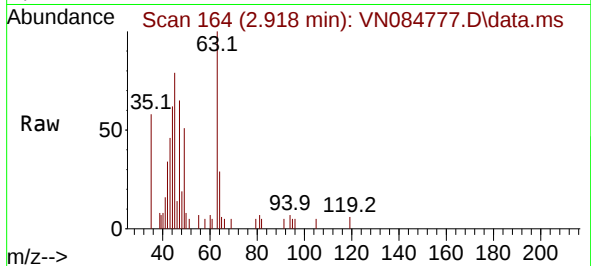




#5
Bromomethane
Concen: 0.248 ug/l
RT: 2.918 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

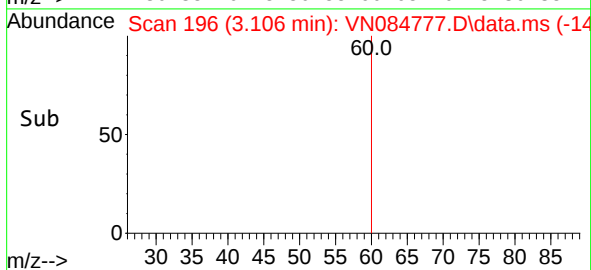
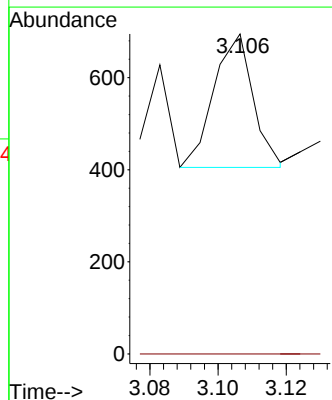
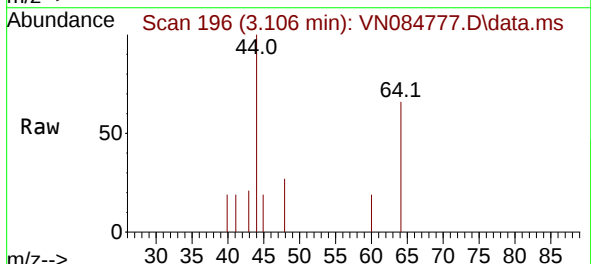
Instrument :
MSVOA_N
ClientSampleId :

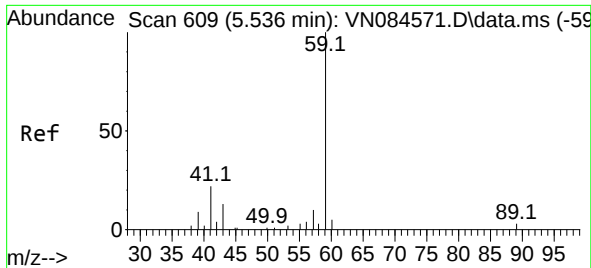
Tgt Ion: 94 Resp: 266
Ion Ratio Lower Upper
94 100
96 2.8 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

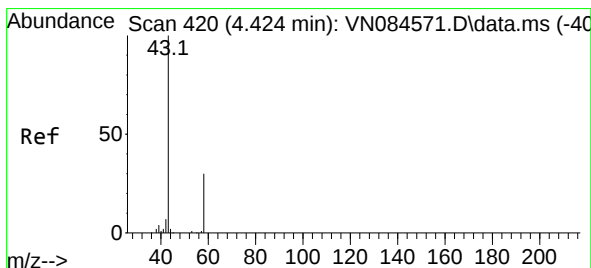
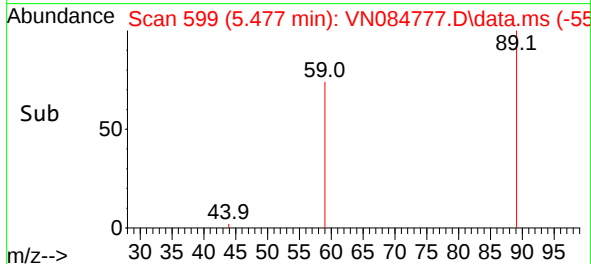
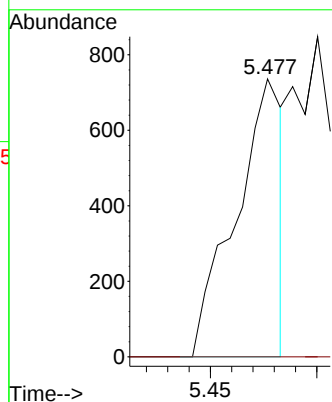
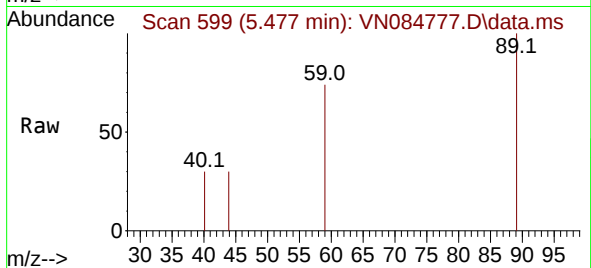




#11
Tert butyl alcohol
Concen: 3.598 ug/l
RT: 5.477 min Scan# 59
Delta R.T. -0.047 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

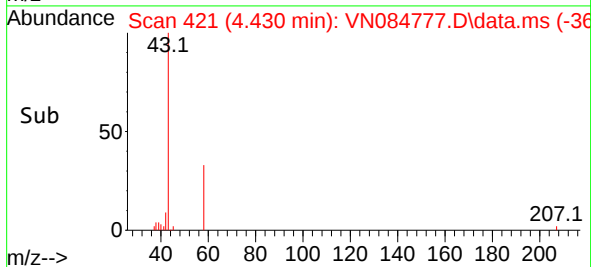
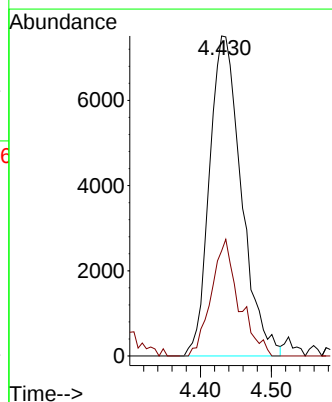
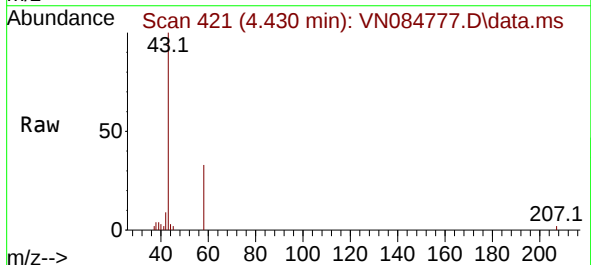
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 1123
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 31.794 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

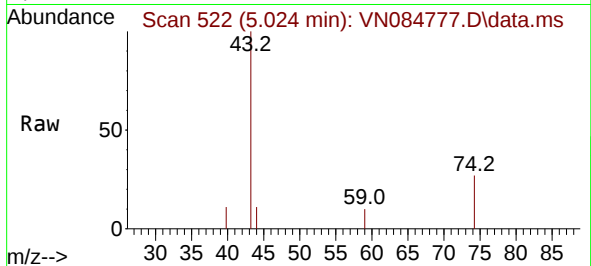
Tgt Ion: 43 Resp: 23420
Ion Ratio Lower Upper
43 100
58 32.8 24.4 36.6



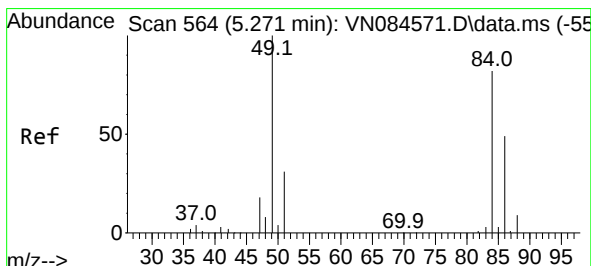
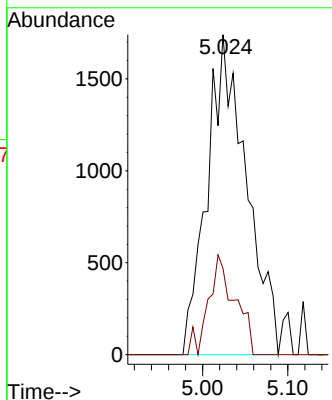
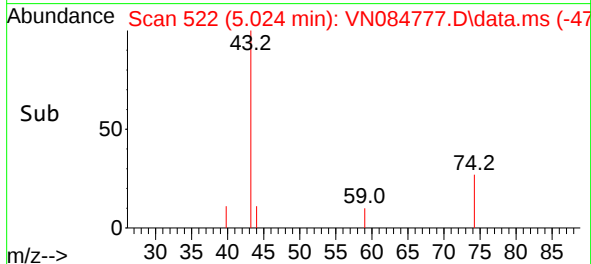


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

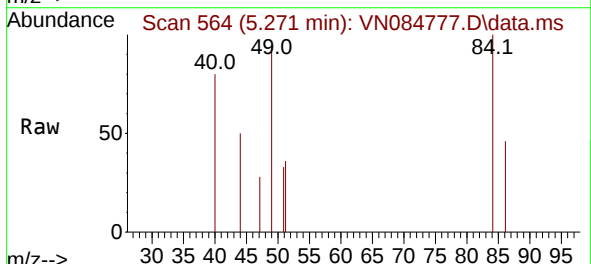
Instrument :
MSVOA_N
ClientSampleId :



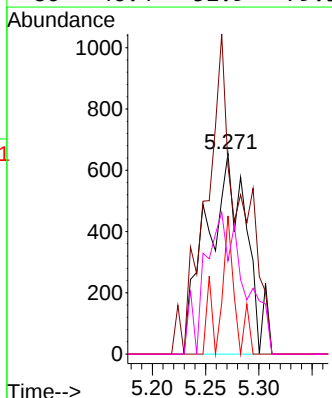
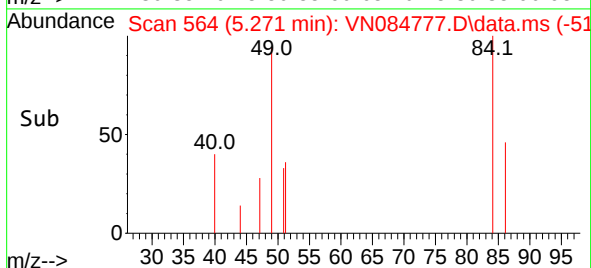
Tgt Ion: 43 Resp: 5551
Ion Ratio Lower Upper
43 100
74 21.0 19.2 28.8



#20
Methylene Chloride
Concen: 0.817 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18



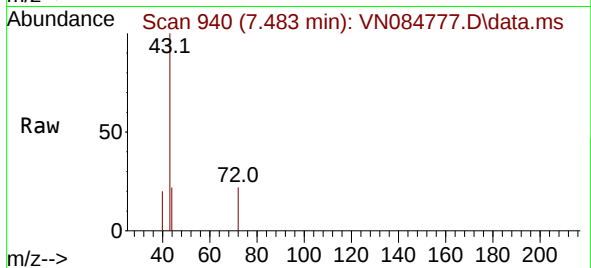
Tgt Ion: 84 Resp: 1699
Ion Ratio Lower Upper
84 100
49 93.7 107.2 160.8#
51 68.9 31.8 47.8#
86 46.4 52.9 79.3#



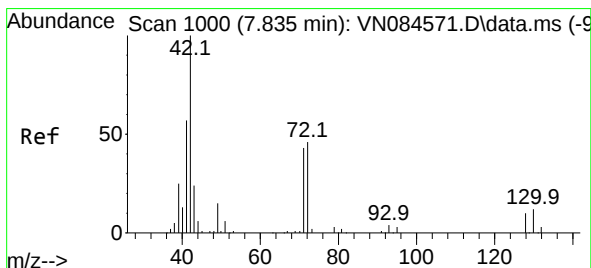
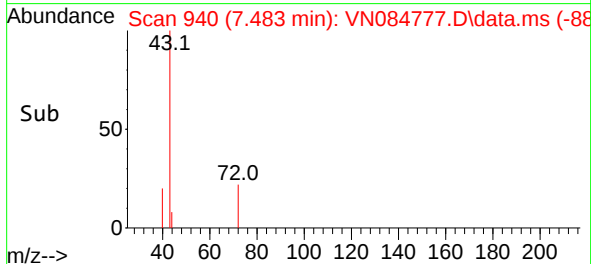
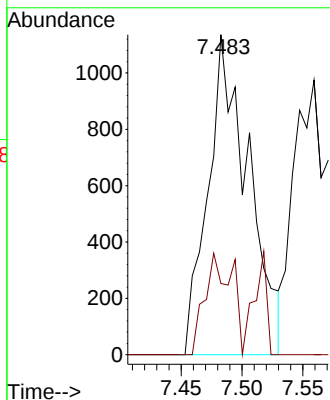


#25
2-Butanone
Concen: 2.378 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Instrument :
MSVOA_N
ClientSampleId :

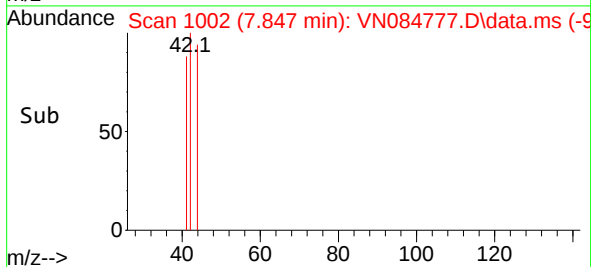
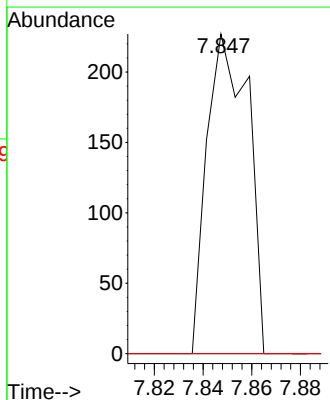
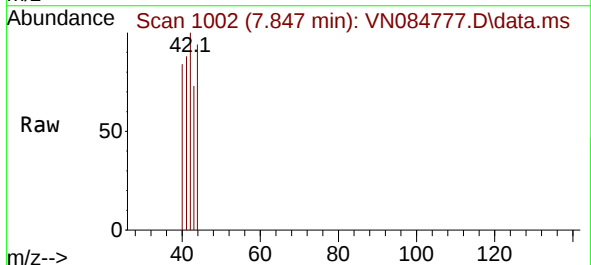


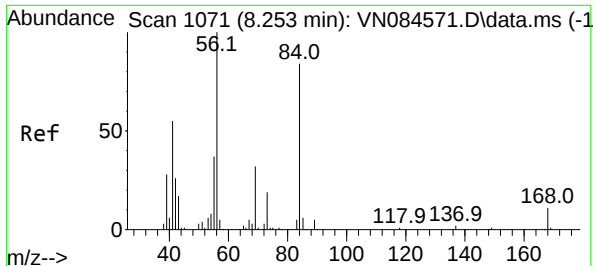
Tgt Ion: 43 Resp: 2624
Ion Ratio Lower Upper
43 100
72 22.3 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

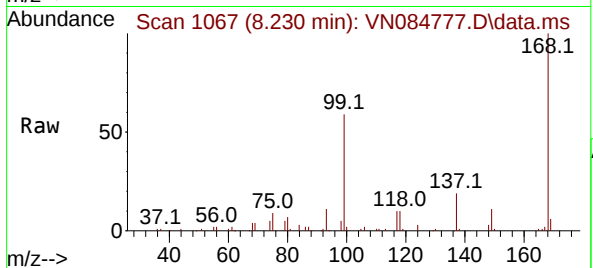
Tgt Ion: 42 Resp: 267
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



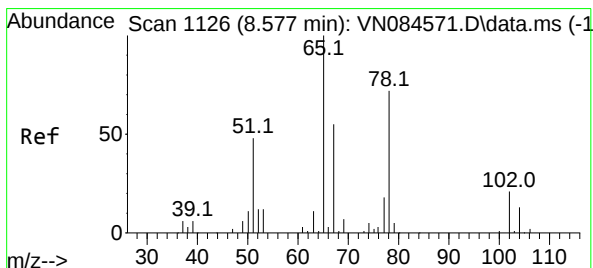
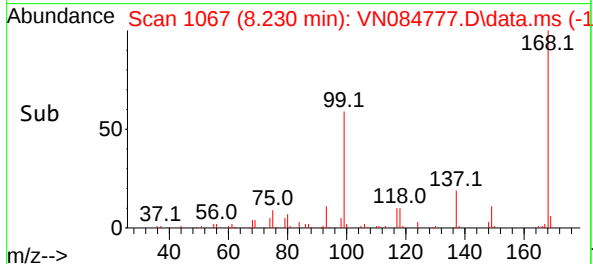
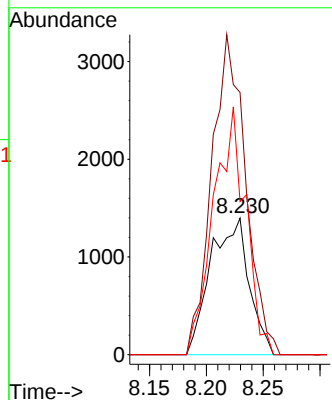


#31
Cyclohexane
Concen: 1.006 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Instrument :
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ClientSampleId :

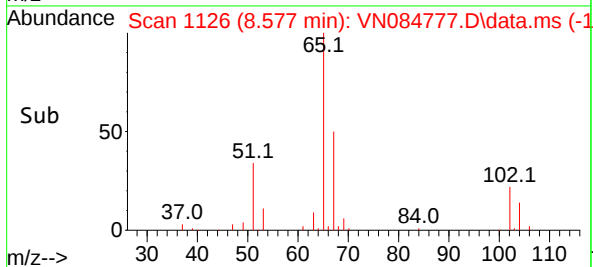
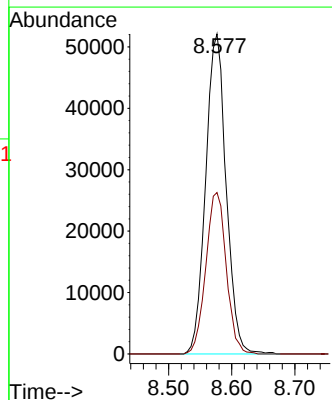
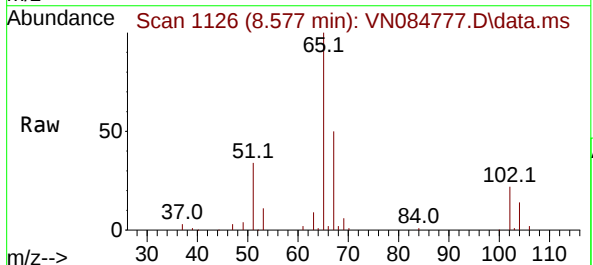


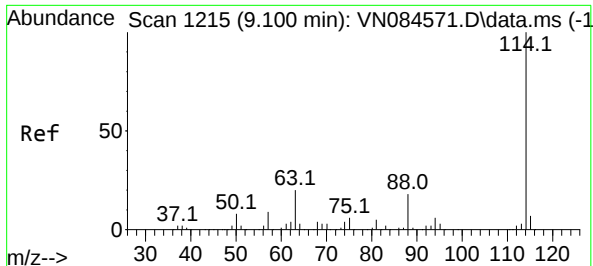
Tgt Ion: 56 Resp: 3285
Ion Ratio Lower Upper
56 100
69 192.1 23.8 35.6#
84 112.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.676 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

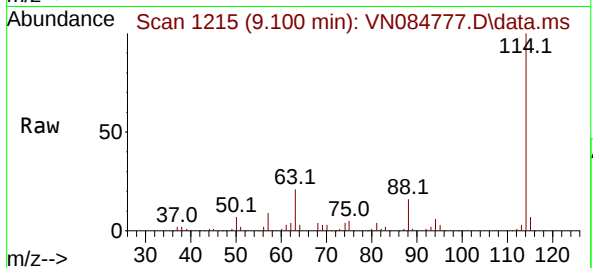
Tgt Ion: 65 Resp: 117478
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.0



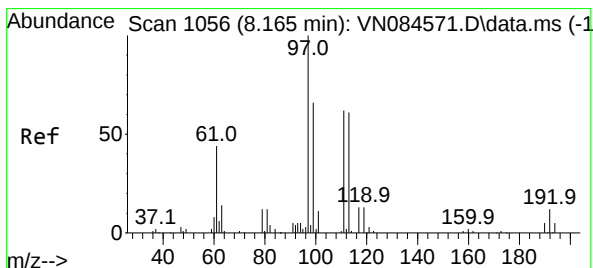
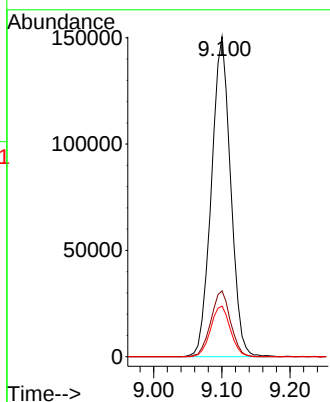
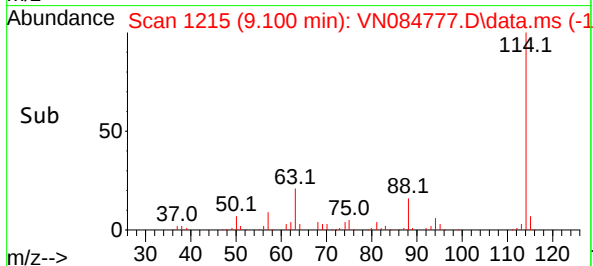


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

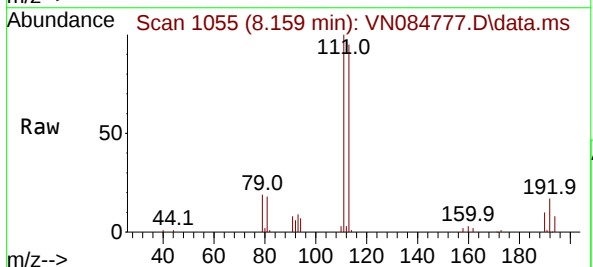
Instrument :
MSVOA_N
ClientSampleId :



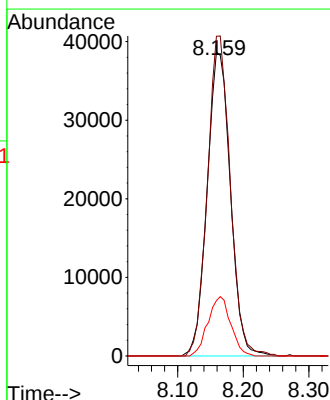
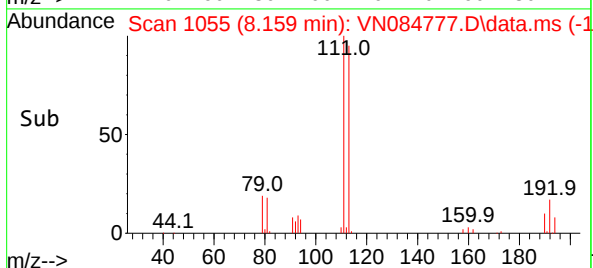
Tgt Ion:114 Resp: 295244
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.8
88 15.8 0.0 31.6

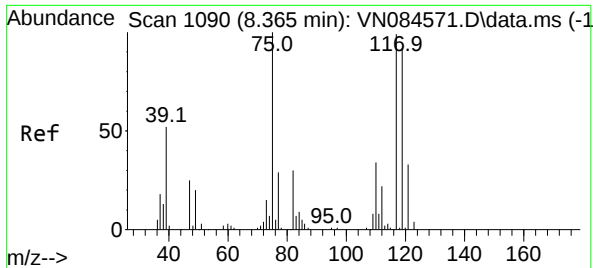


#35
Dibromofluoromethane
Concen: 47.703 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18



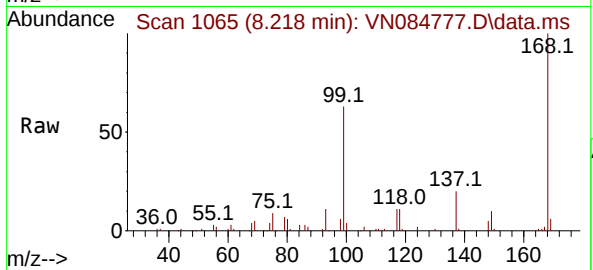
Tgt Ion:113 Resp: 95331
Ion Ratio Lower Upper
113 100
111 103.0 83.3 124.9
192 19.1 13.5 20.3



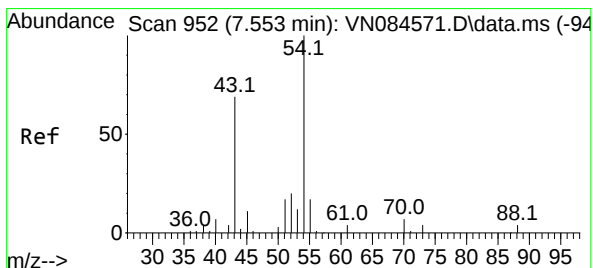
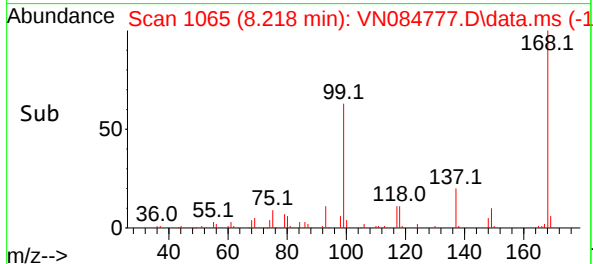
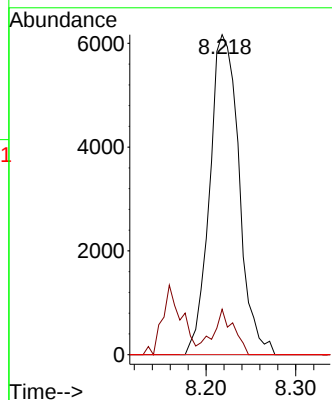


#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Instrument :
MSVOA_N
ClientSampleId :

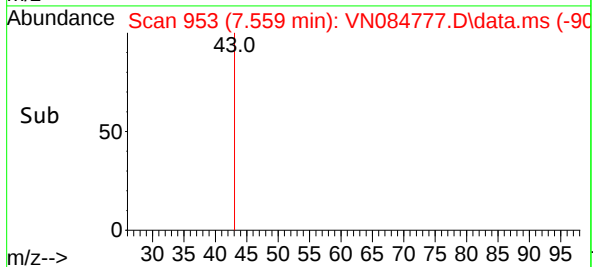
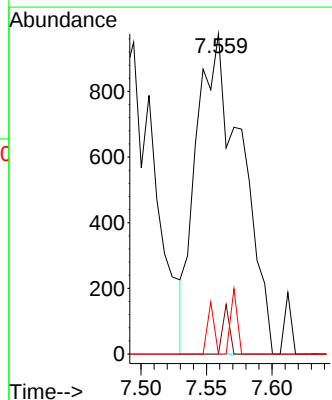
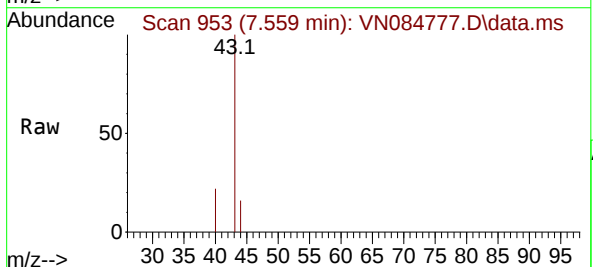


Tgt Ion: 75 Resp: 13991
Ion Ratio Lower Upper
75 100
110 10.1 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.929 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

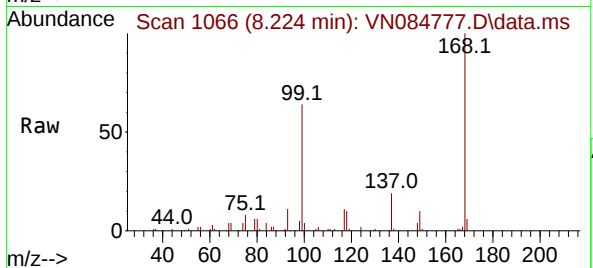
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
61 2.3 10.7 16.1#
70 3.0 8.8 13.2#



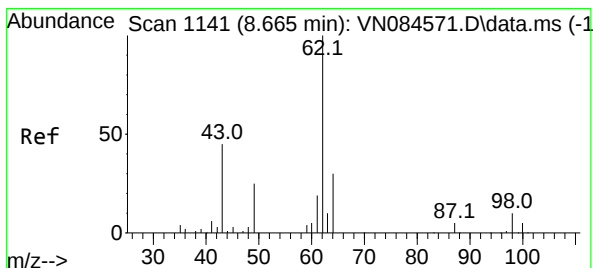
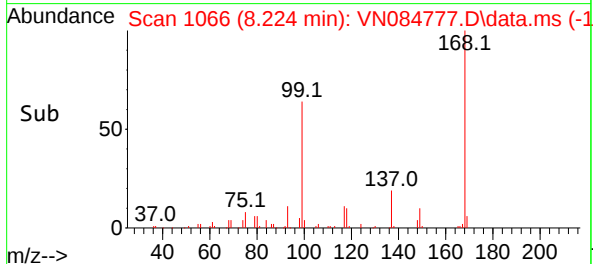
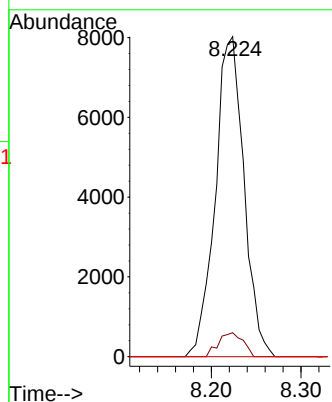


#38
Carbon Tetrachloride
Concen: 5.746 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Instrument :
MSVOA_N
ClientSampleId :

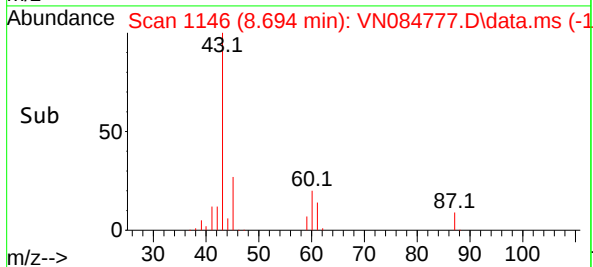
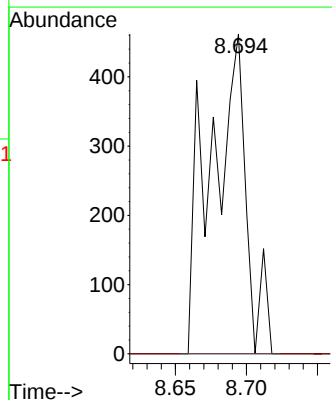
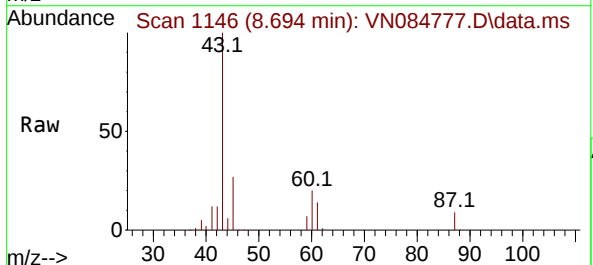


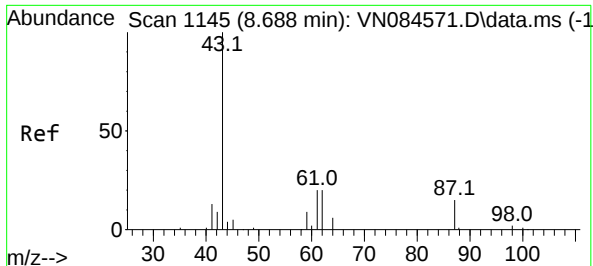
Tgt Ion:117 Resp: 17802
Ion Ratio Lower Upper
117 100
119 7.5 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.281 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 62 Resp: 809
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

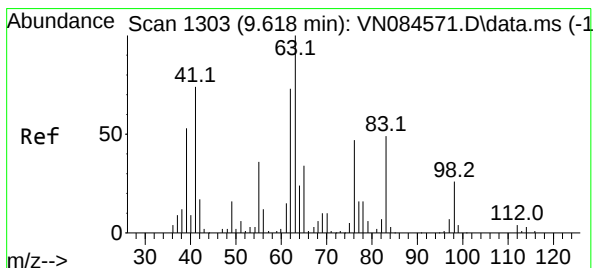
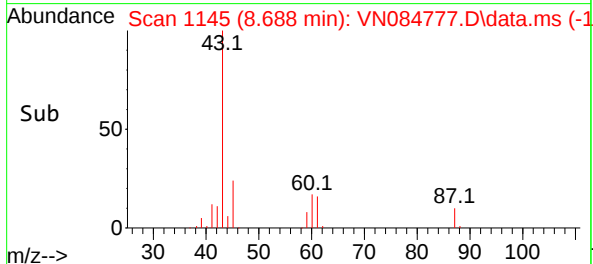
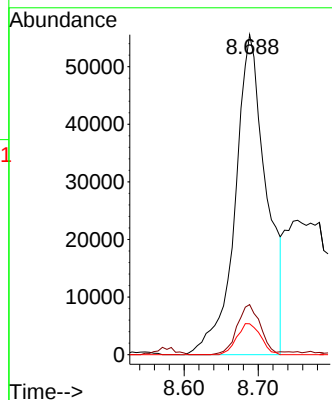
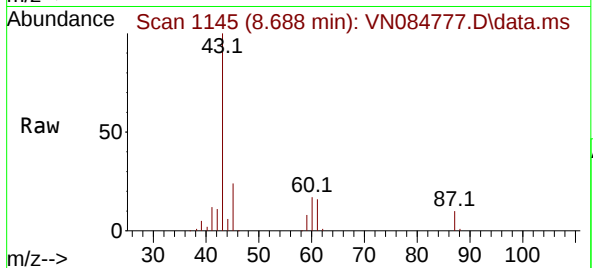




#43
Isopropyl Acetate
Concen: 34.787 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

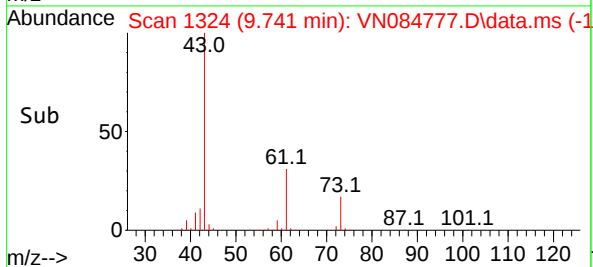
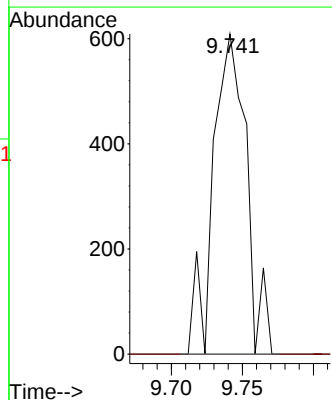
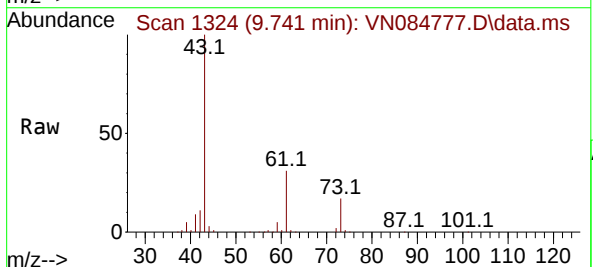
Instrument :
MSVOA_N
ClientSampleId :

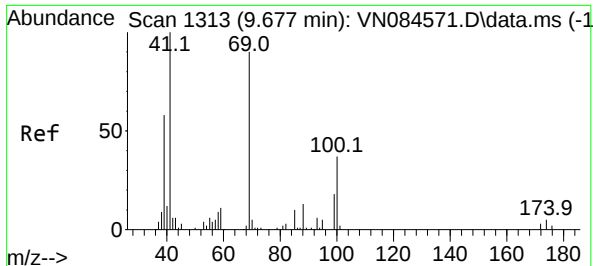
Tgt Ion: 43 Resp: 162971
Ion Ratio Lower Upper
43 100
61 11.9 20.4 30.6#
87 7.4 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.475 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 63 Resp: 991
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.191 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084777.D

Acq: 11 Nov 2024 17:18

Instrument :

MSVOA_N

ClientSampleId :

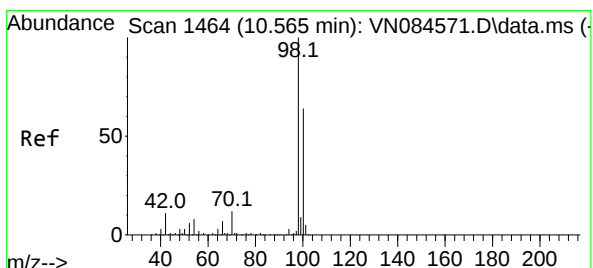
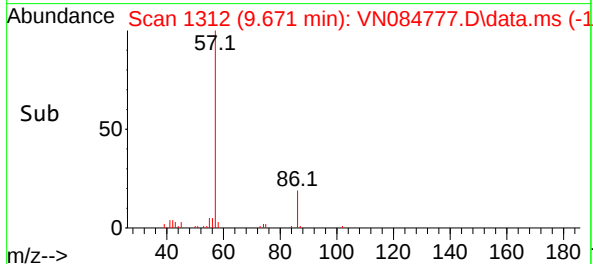
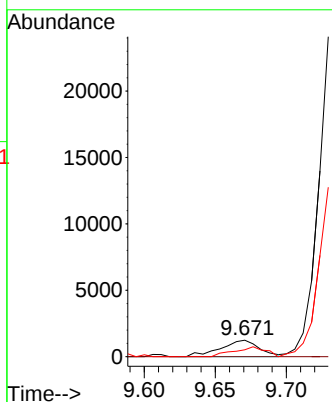
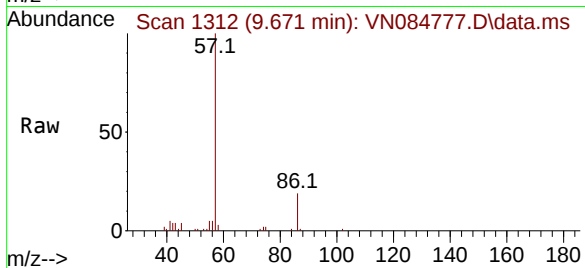
Tgt Ion: 41 Resp: 2331

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 49.0 45.8 68.6



#50

Toluene-d8

Concen: 46.691 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084777.D

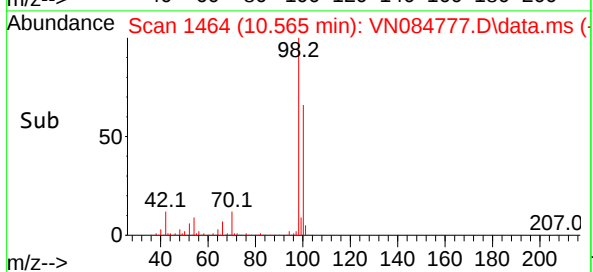
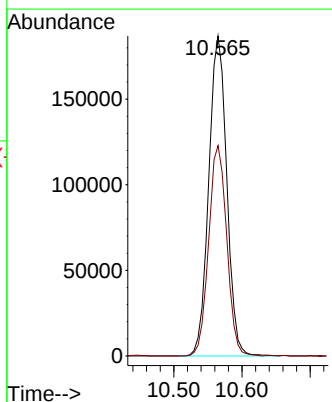
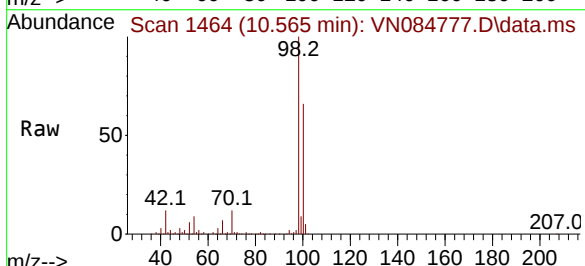
Acq: 11 Nov 2024 17:18

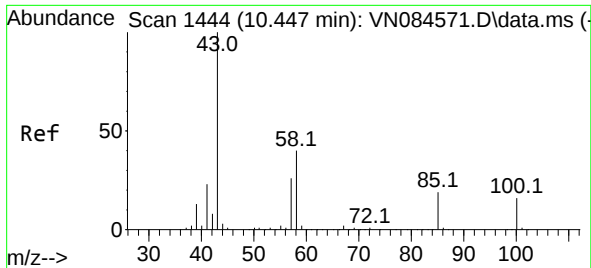
Tgt Ion: 98 Resp: 343719

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1

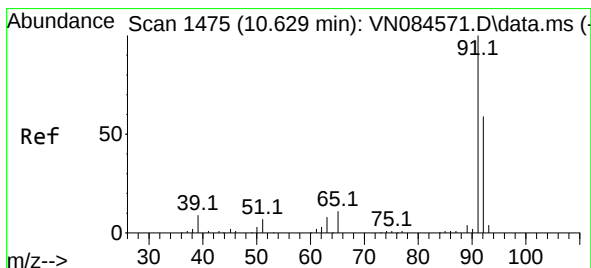
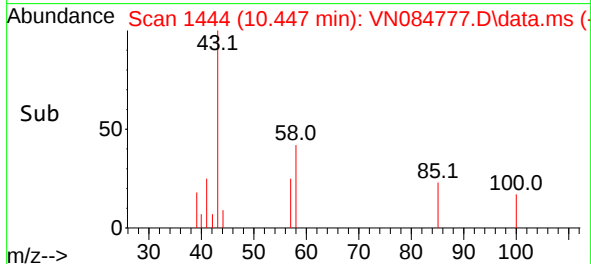
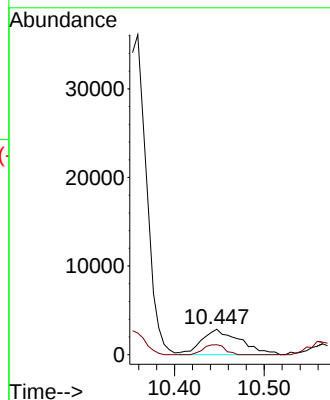
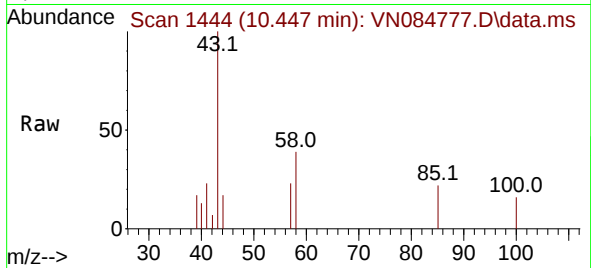




#51
4-Methyl-2-Pentanone
Concen: 3.553 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

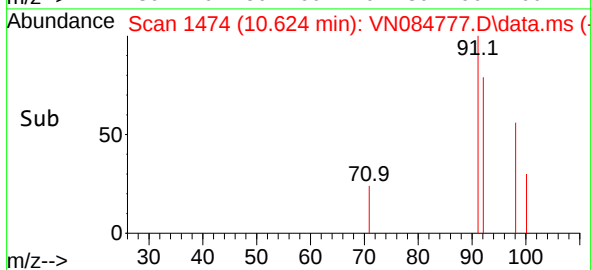
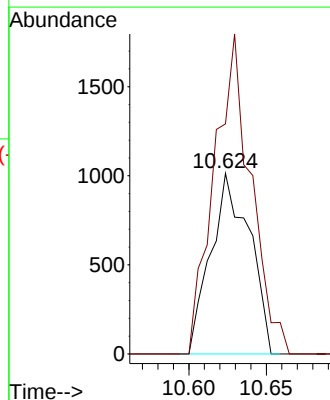
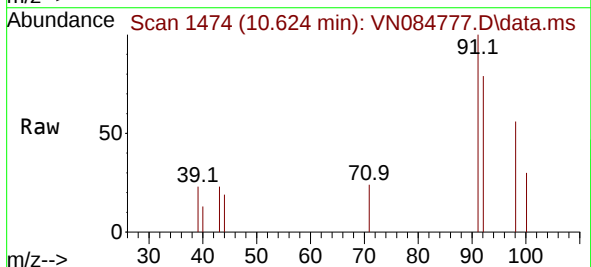
Instrument :
MSVOA_N
ClientSampleId :

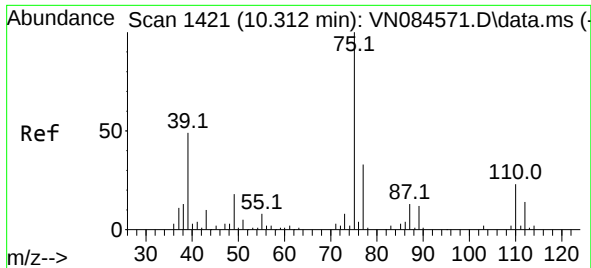
Tgt Ion: 43 Resp: 8518
Ion Ratio Lower Upper
43 100
58 22.2 31.6 47.4#



#52
Toluene
Concen: 0.338 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 92 Resp: 1761
Ion Ratio Lower Upper
92 100
91 168.1 137.3 205.9

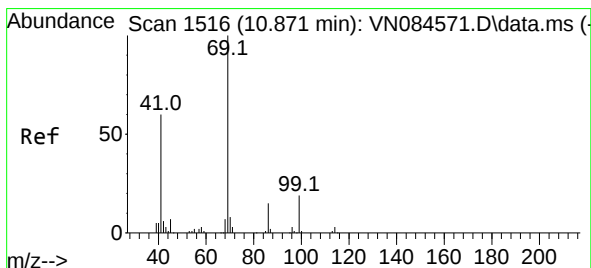
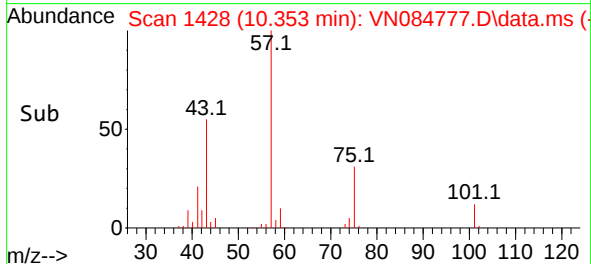
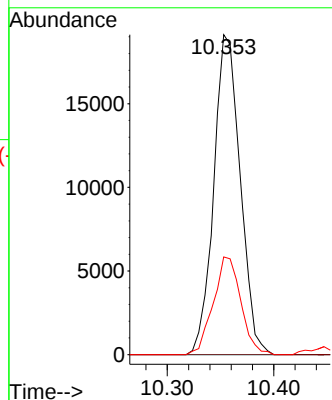
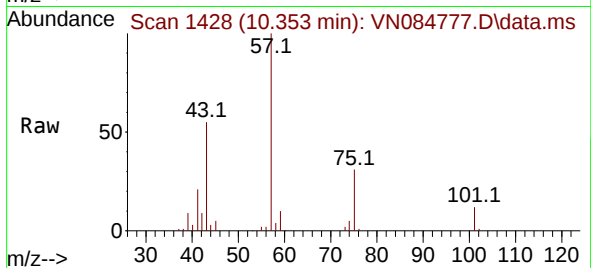




#54
cis-1,3-Dichloropropene
Concen: 9.701 ug/l
RT: 10.353 min Scan# 1421
Delta R.T. 0.041 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

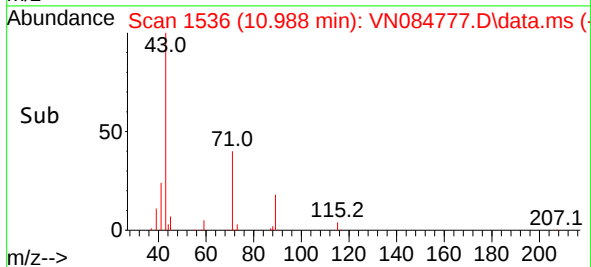
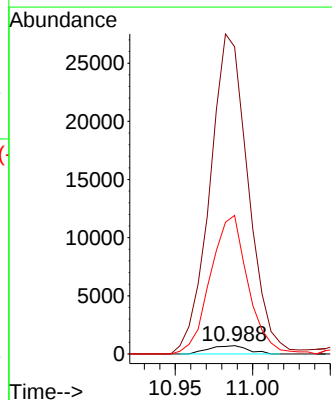
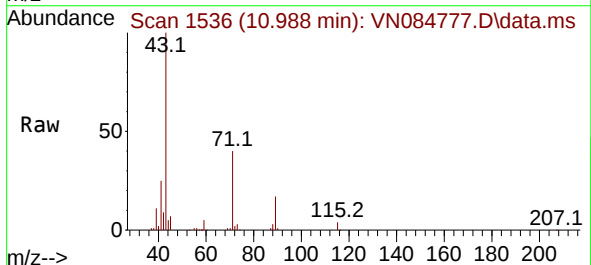
Instrument :
MSVOA_N
ClientSampleId :

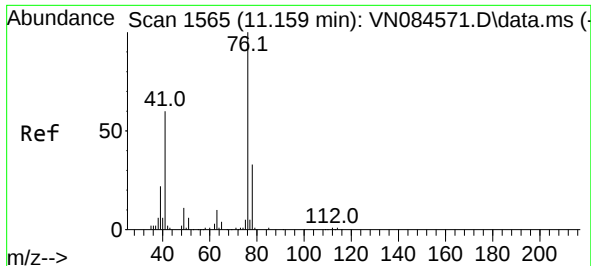
Tgt Ion: 75 Resp: 33007
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.5 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.439 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 69 Resp: 1246
Ion Ratio Lower Upper
69 100
41 3796.3 53.3 79.9#
39 1612.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.210 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084777.D

Acq: 11 Nov 2024 17:18

Instrument :

MSVOA_N

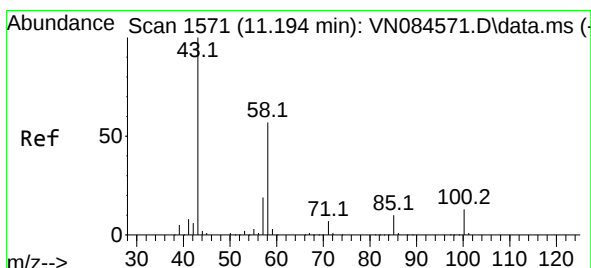
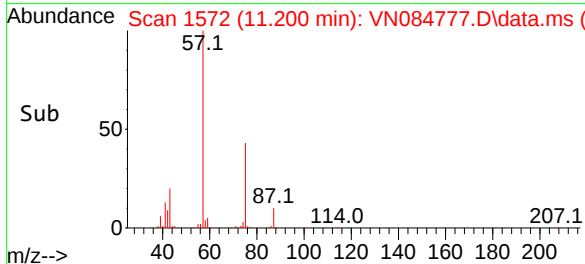
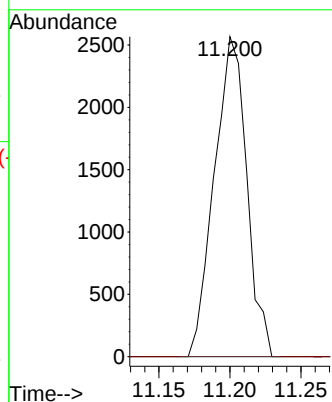
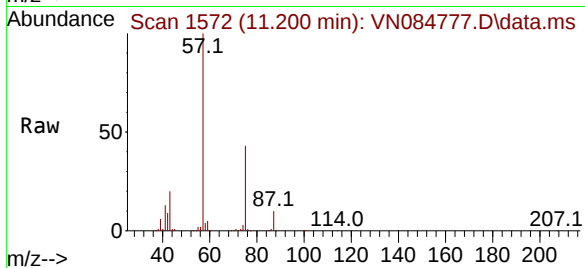
ClientSampleId :

Tgt Ion: 76 Resp: 4072

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 46.672 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084777.D

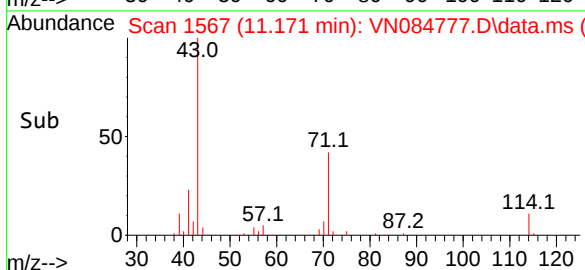
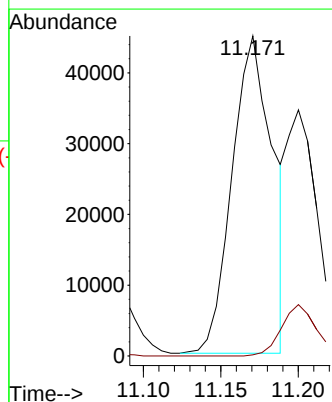
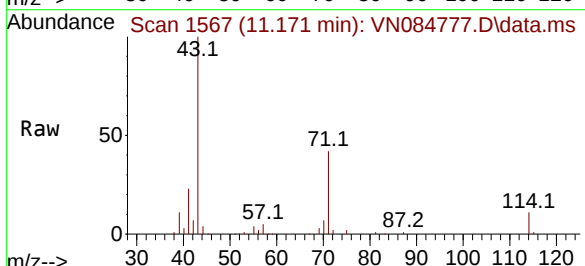
Acq: 11 Nov 2024 17:18

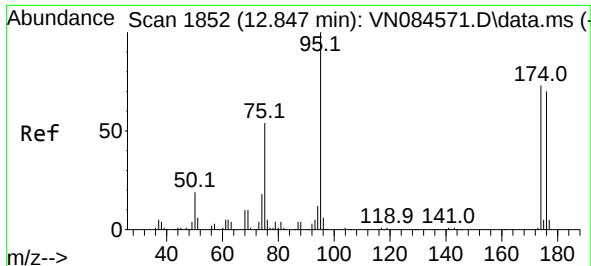
Tgt Ion: 43 Resp: 81438

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

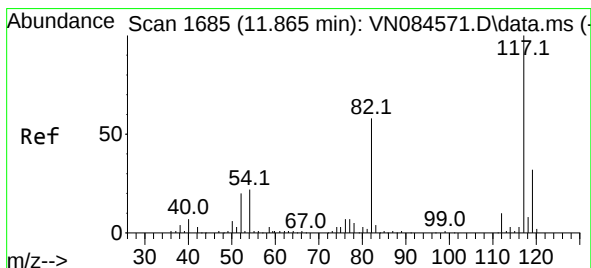
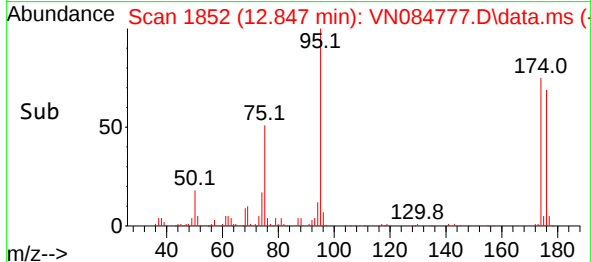
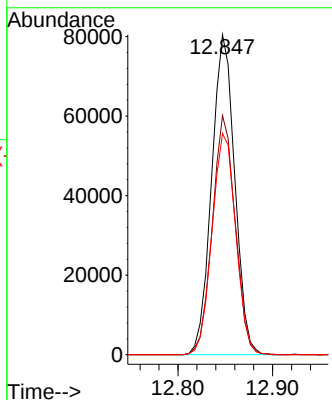
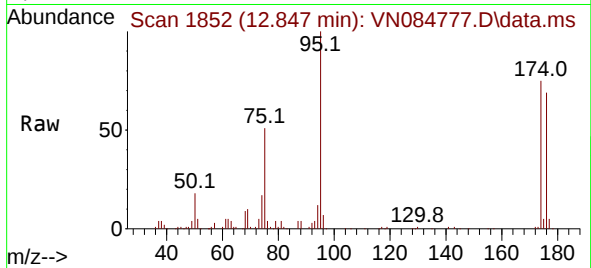




#62
4-Bromofluorobenzene
Concen: 49.509 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

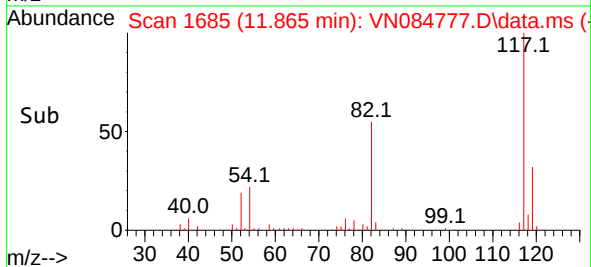
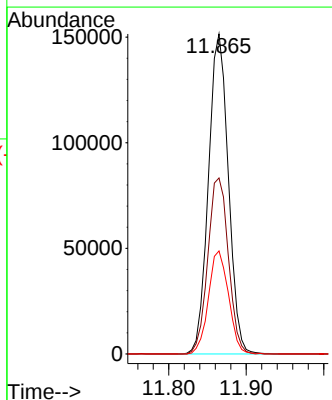
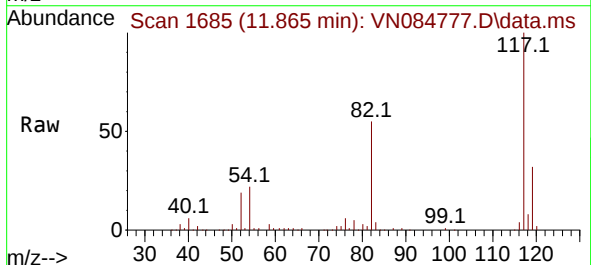
Instrument :
MSVOA_N
ClientSampleId :

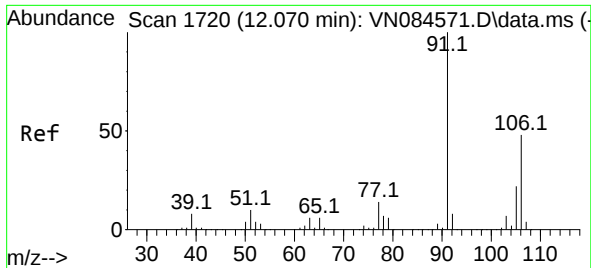
Tgt Ion: 95 Resp: 136214
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.2
176 70.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion: 117 Resp: 270514
Ion Ratio Lower Upper
117 100
82 55.0 47.2 70.8
119 32.2 25.4 38.0

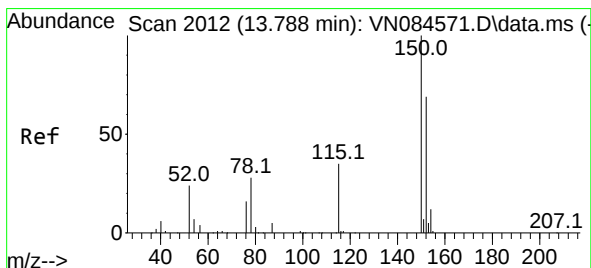
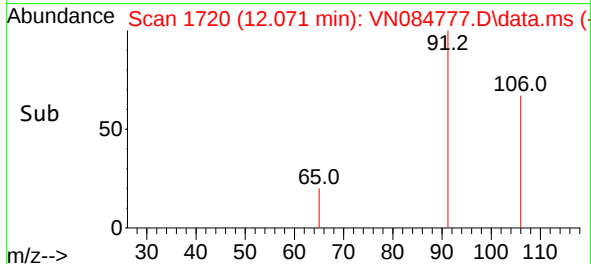
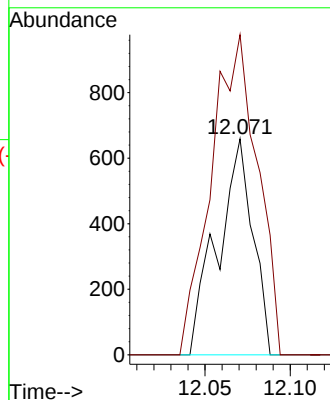
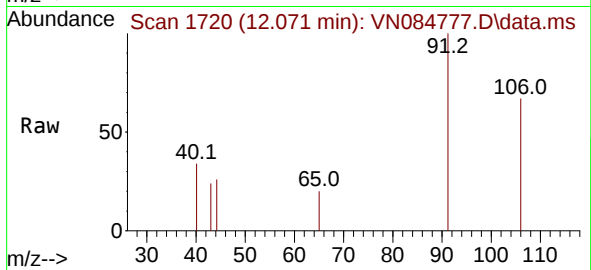




#68
m/p-Xylenes
Concen: 0.248 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

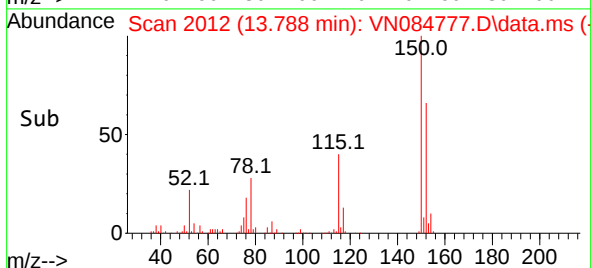
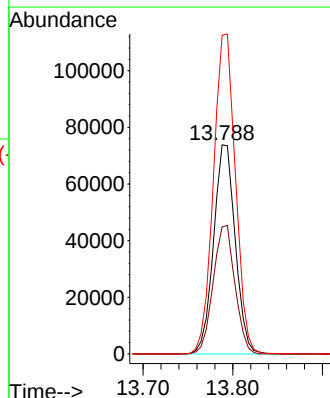
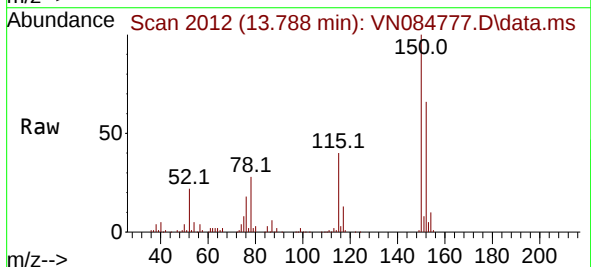
Instrument :
MSVOA_N
ClientSampleId :

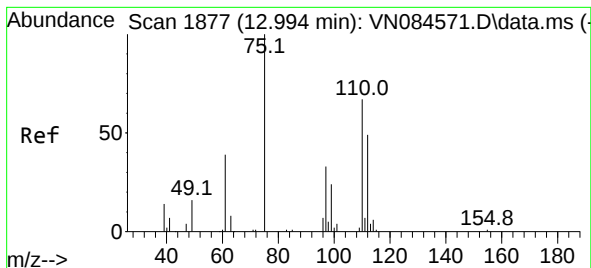
Tgt Ion:106 Resp: 950
Ion Ratio Lower Upper
106 100
91 194.5 167.1 250.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084777.D
Acq: 11 Nov 2024 17:18

Tgt Ion:152 Resp: 123949
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 155.6 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 27.951 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084777.D

Acq: 11 Nov 2024 17:18

Instrument :

MSVOA_N

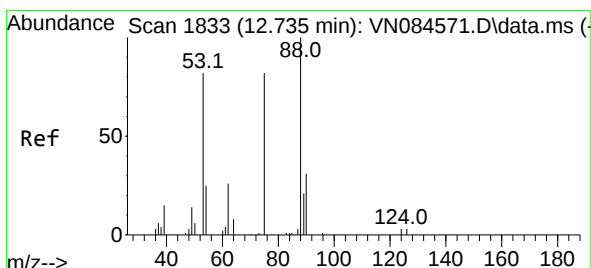
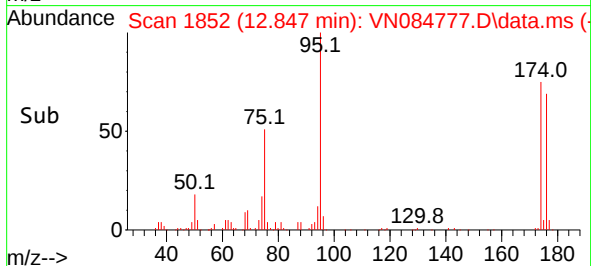
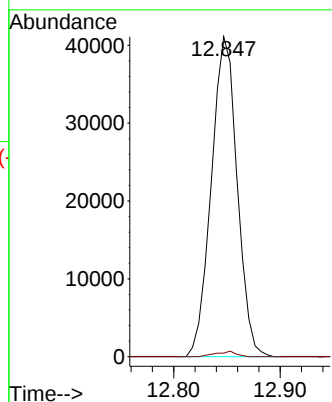
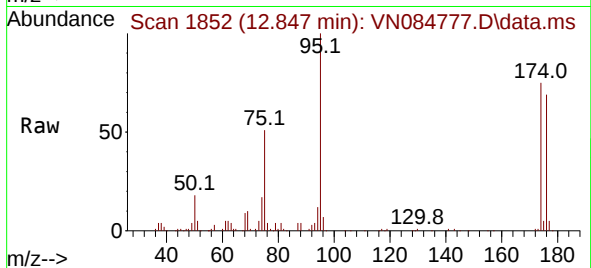
ClientSampleId :

Tgt Ion: 75 Resp: 69253

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.310 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084777.D

Acq: 11 Nov 2024 17:18

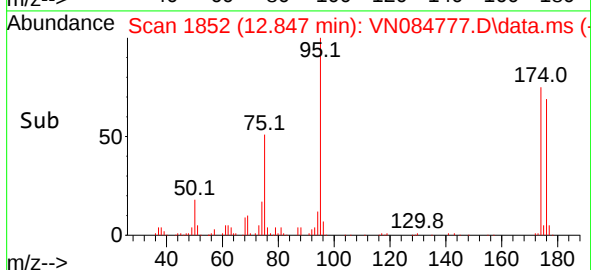
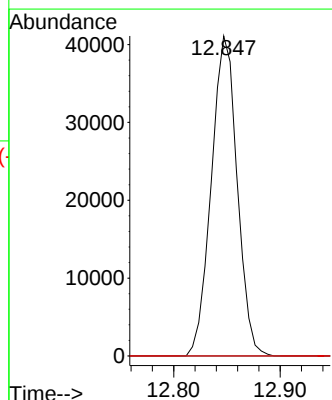
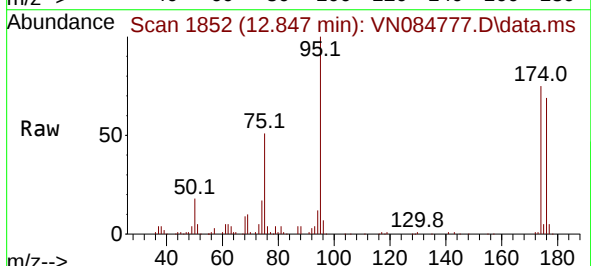
Tgt Ion: 75 Resp: 69253

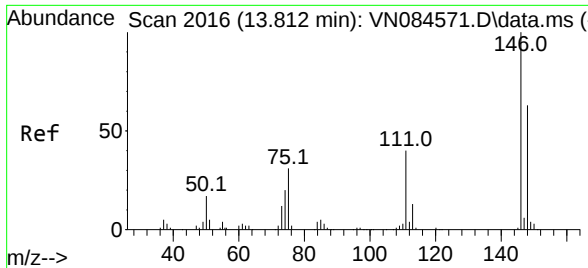
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

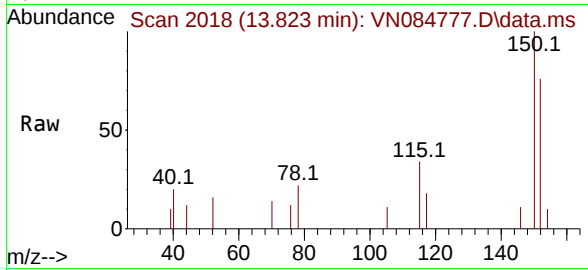
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.823 min Scan# 20
 Delta R.T. 0.011 min
 Lab File: VN084777.D
 Acq: 11 Nov 2024 17:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	146	Resp:	181
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	124.9	31.9	95.9#

