

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084779.D
 Acq On : 11 Nov 2024 18:06
 Operator : JC\MD
 Sample : P4788-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:36:10 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

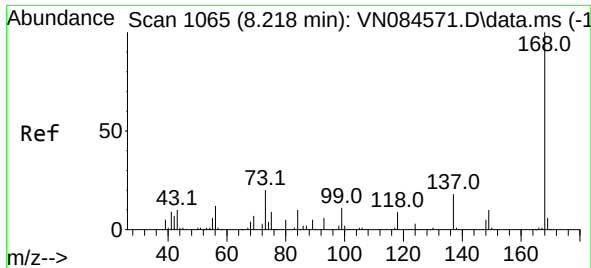
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	164711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117202	49.266	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.540%		
35) Dibromofluoromethane	8.165	113	95717	47.476	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.960%		
50) Toluene-d8	10.565	98	354051	47.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.847	95	135026	48.648	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.300%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	487	Below Cal	#	41
6) Chloroethane	3.089	64	670	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	2482	7.904	ug/l #	73
13) Acrolein	4.183	56	140	0.447	ug/l #	63
16) Acetone	4.430	43	23962	32.386	ug/l	99
18) Methyl Acetate	5.030	43	9207	Below Cal		96
20) Methylene Chloride	5.271	84	3525	1.685	ug/l #	63
25) 2-Butanone	7.494	43	2291	2.064	ug/l	93
31) Cyclohexane	8.224	56	3683	1.121	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13935	4.984	ug/l #	52
37) Ethyl Acetate	7.553	43	2115	0.834	ug/l #	78
38) Carbon Tetrachloride	8.224	117	18184	5.818	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	665	0.229	ug/l #	75
43) Isopropyl Acetate	8.688	43	206580	43.962	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	1048	0.498	ug/l #	44
48) Methyl methacrylate	9.665	41	2416	1.224	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	3258	1.347	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	31908	9.296	ug/l #	62
56) Ethyl methacrylate	10.982	69	1158	0.405	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4241	1.249	ug/l #	42
59) 2-Hexanone	11.200	43	48093	27.321	ug/l #	57
71) Bromoform	12.847	173	925	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70646	28.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70646	68.249	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	55	Below Cal	#	1

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

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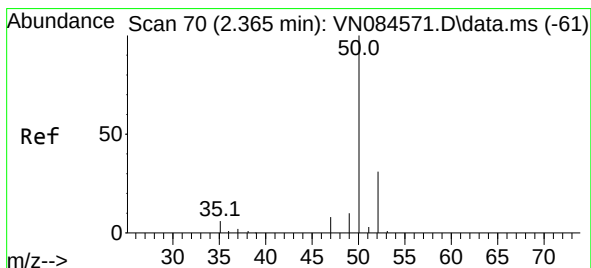
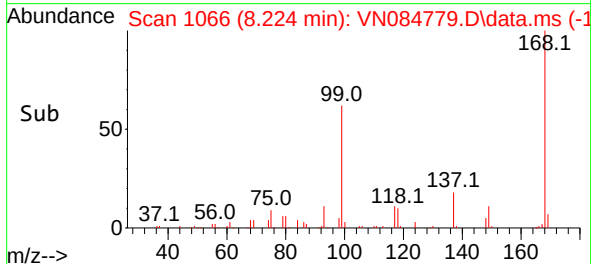
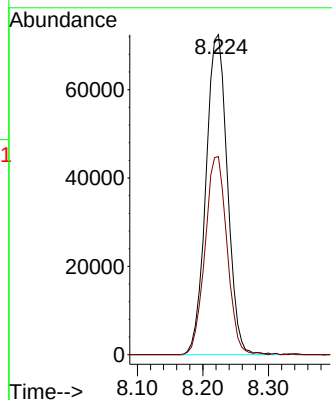
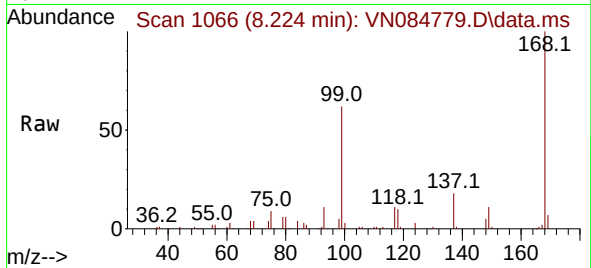




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

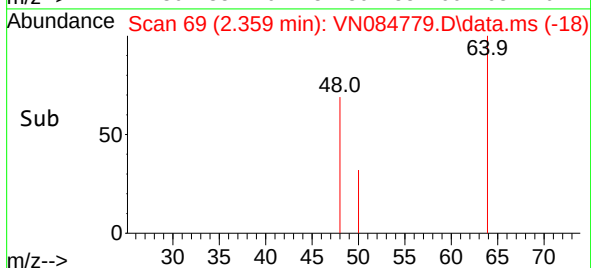
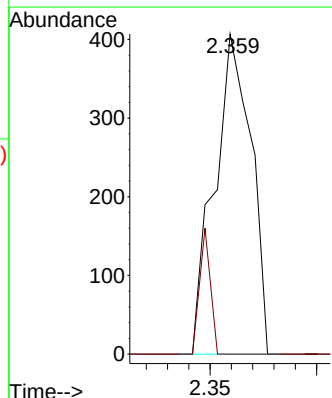
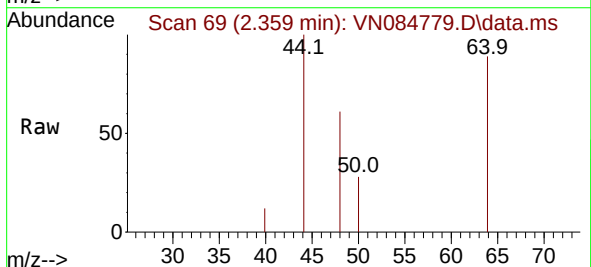
Instrument :
MSVOA_N
ClientSampleId :

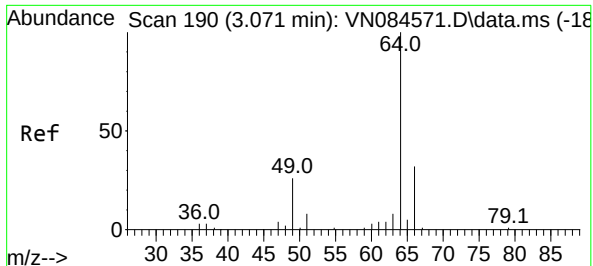
Tgt Ion:168 Resp: 164711
Ion Ratio Lower Upper
168 100
99 61.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

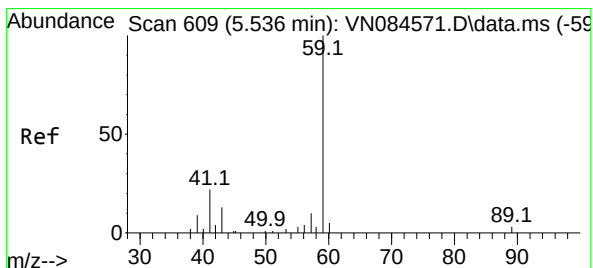
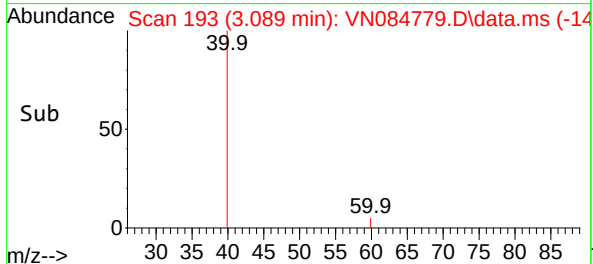
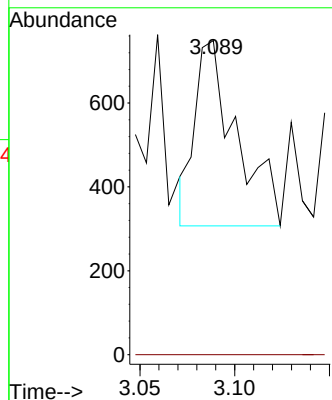
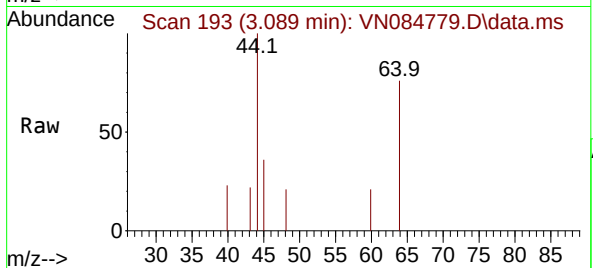




#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 190
Delta R.T. -0.029 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

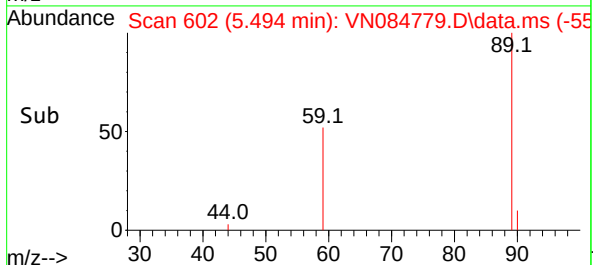
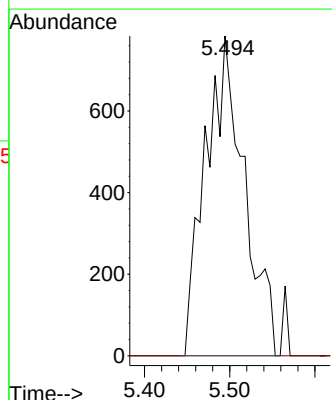
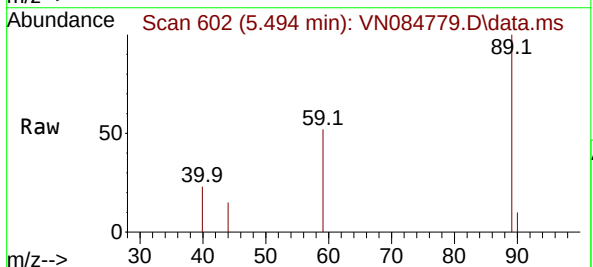
Instrument :
MSVOA_N
ClientSampleId :

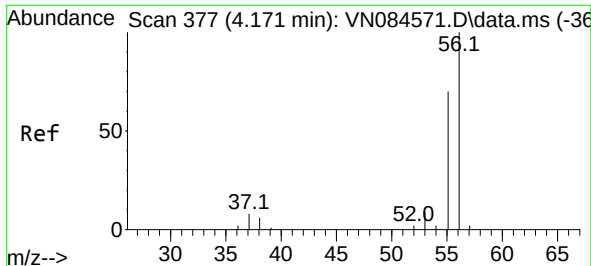
Tgt Ion: 64 Resp: 670
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 7.904 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

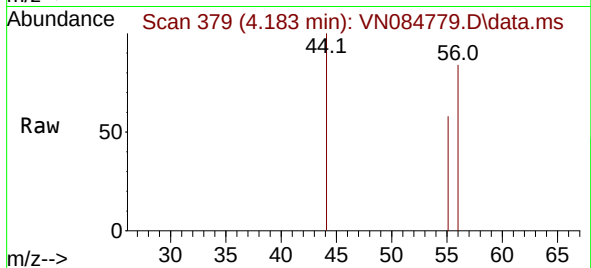
Tgt Ion: 59 Resp: 2482
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



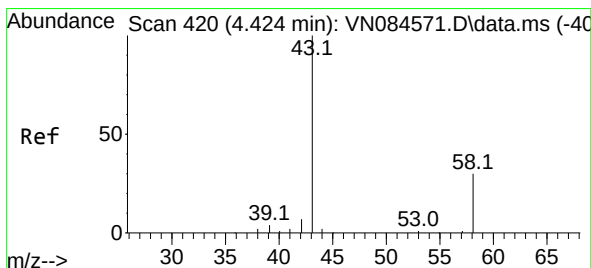
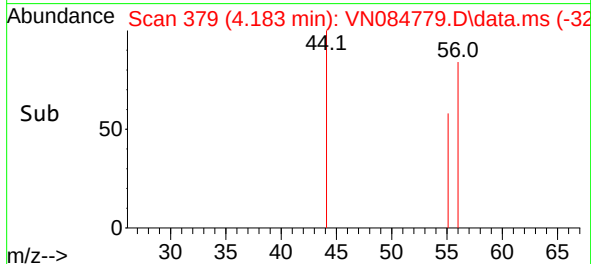
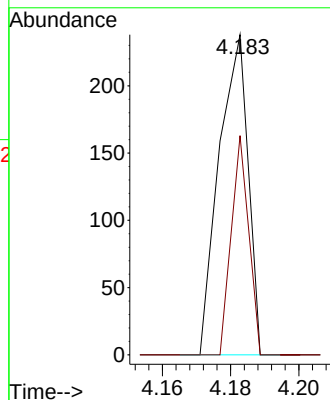


#13
Acrolein
Concen: 0.447 ug/l
RT: 4.183 min Scan# 377
Delta R.T. 0.006 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Instrument :
MSVOA_N
ClientSampleId :

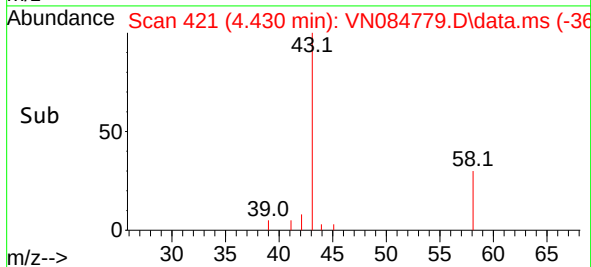
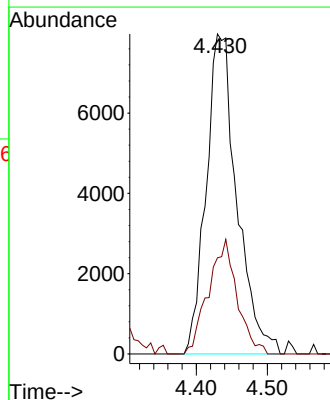
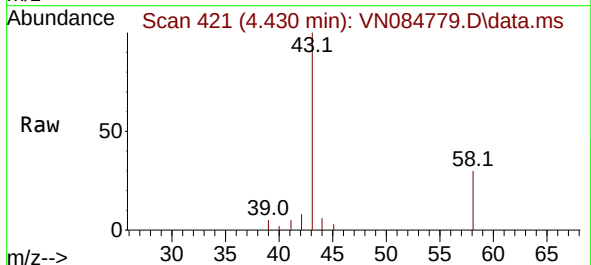


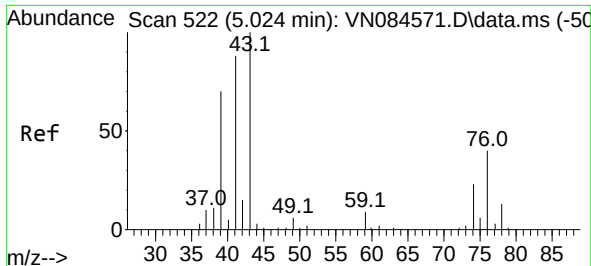
Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 40.7 57.2 85.8#



#16
Acetone
Concen: 32.386 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 43 Resp: 23962
Ion Ratio Lower Upper
43 100
58 30.0 24.4 36.6

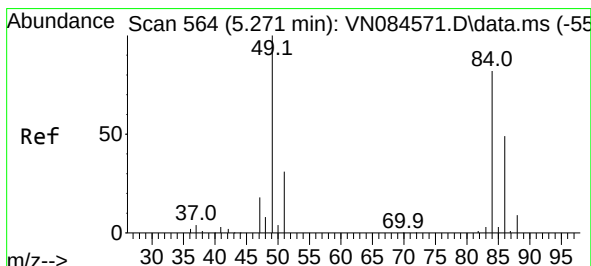
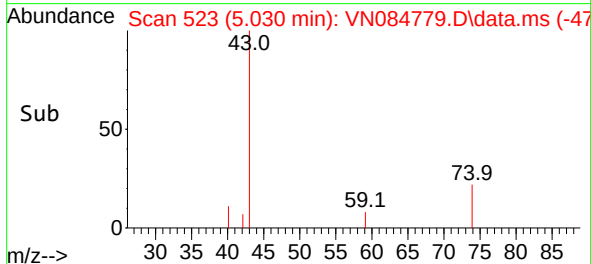
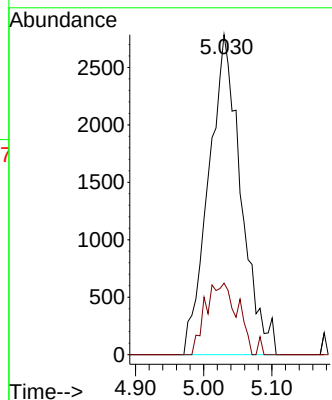
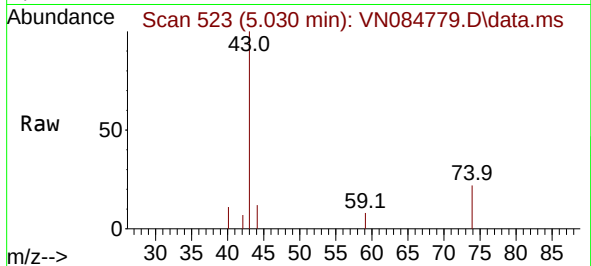




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

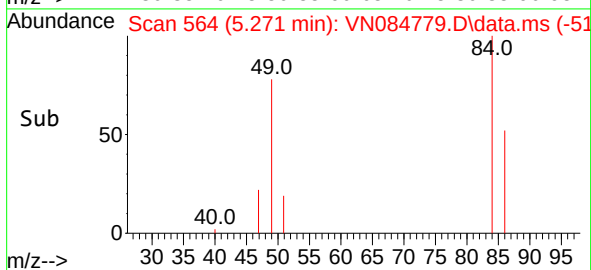
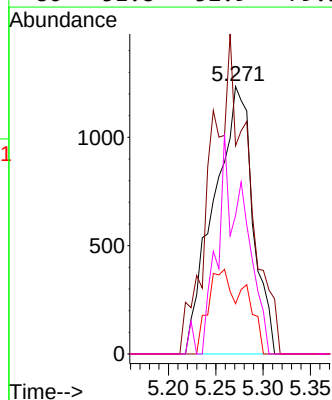
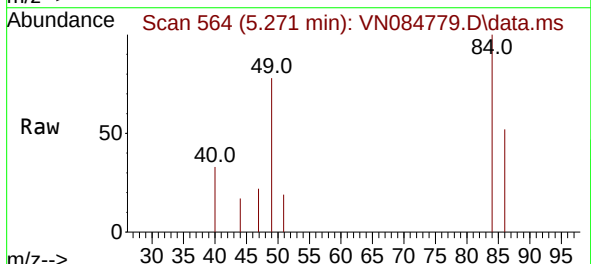
Instrument :
MSVOA_N
ClientSampleId :

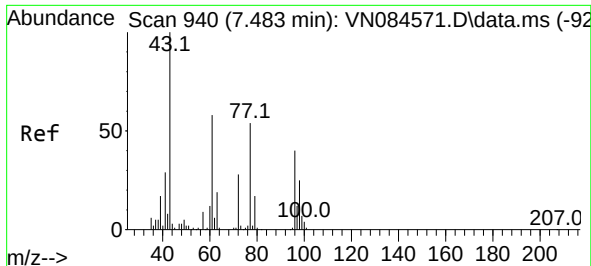
Tgt Ion: 43 Resp: 9207
Ion Ratio Lower Upper
43 100
74 22.1 19.2 28.8



#20
Methylene Chloride
Concen: 1.685 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 84 Resp: 3525
Ion Ratio Lower Upper
84 100
49 77.8 107.2 160.8#
51 18.8 31.8 47.8#
86 51.8 52.9 79.3#

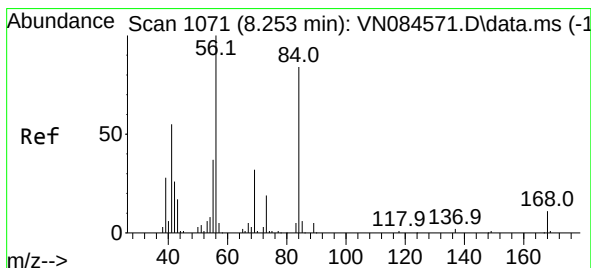
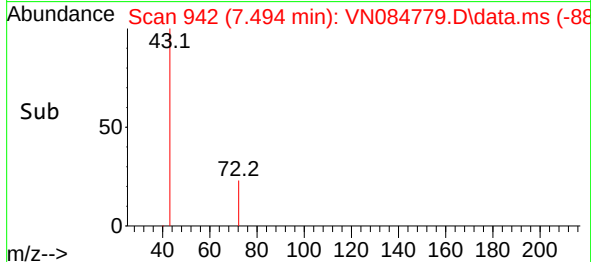
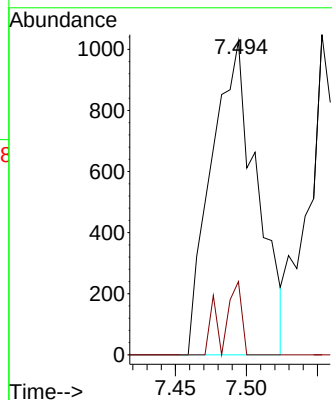
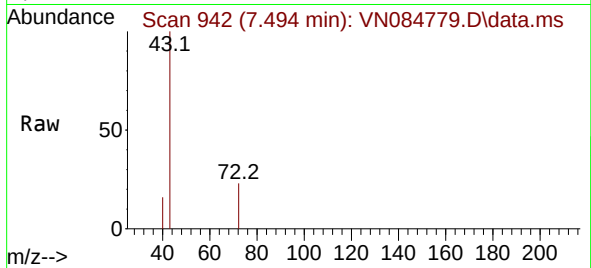




#25
2-Butanone
Concen: 2.064 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

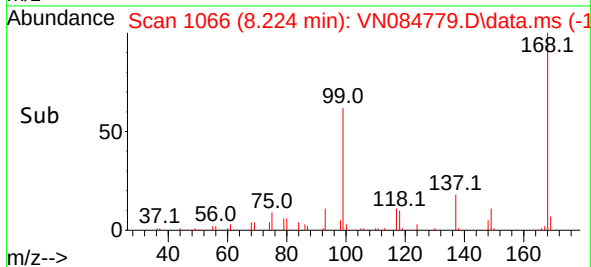
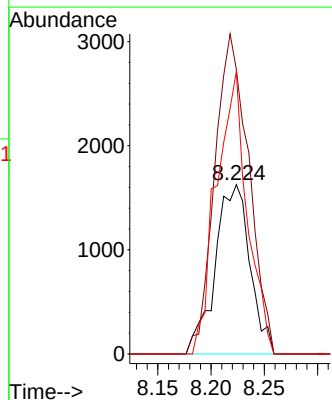
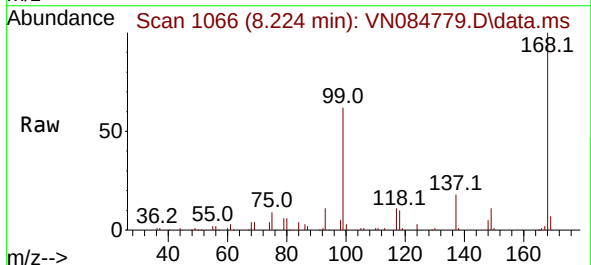
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MSVOA_N
ClientSampleId :

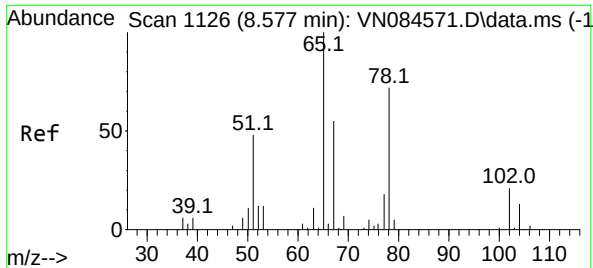
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
72 23.4 21.4 32.2



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 56 Resp: 3683
Ion Ratio Lower Upper
56 100
69 168.0 23.8 35.6#
84 166.9 68.8 103.2#

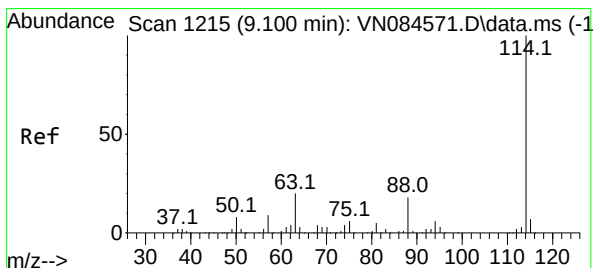
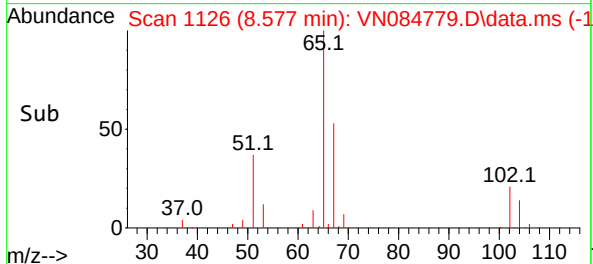
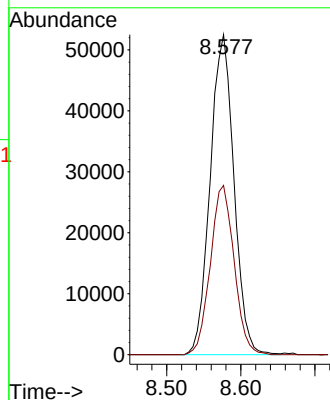
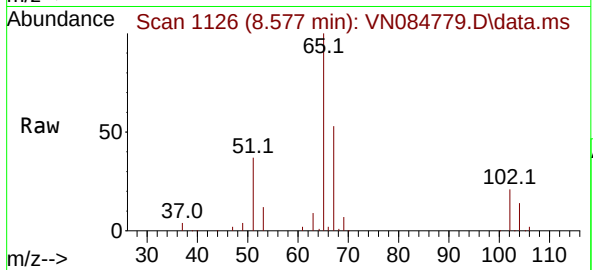




#33
 1,2-Dichloroethane-d4
 Concen: 49.266 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084779.D
 Acq: 11 Nov 2024 18:06

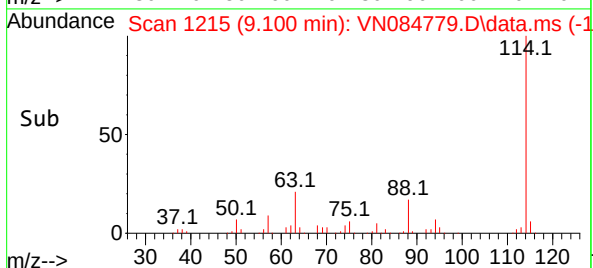
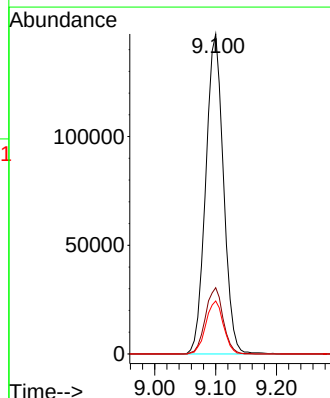
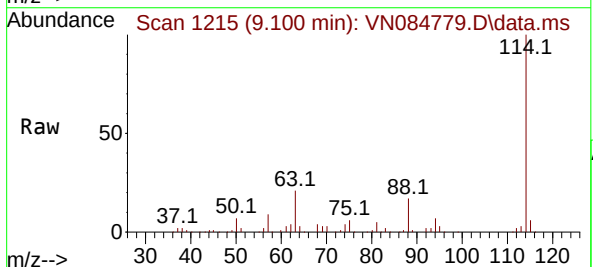
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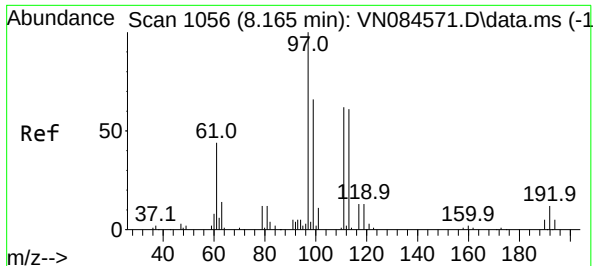
Tgt Ion: 65 Resp: 117202
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084779.D
 Acq: 11 Nov 2024 18:06

Tgt Ion: 114 Resp: 297853
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.8
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.476 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

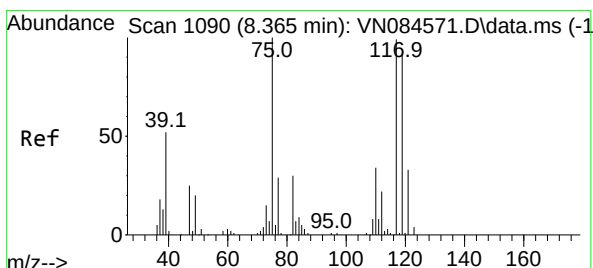
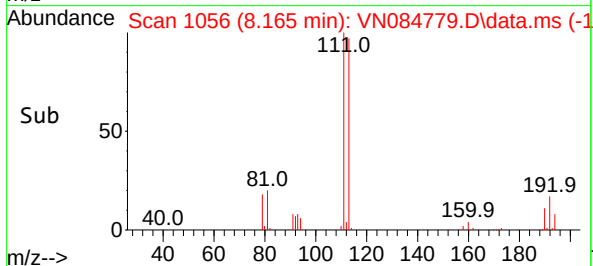
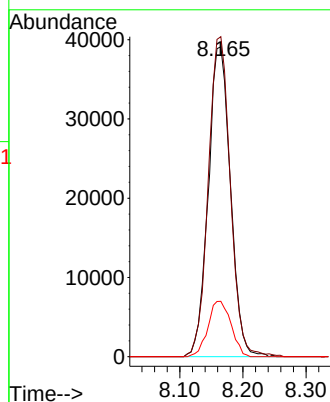
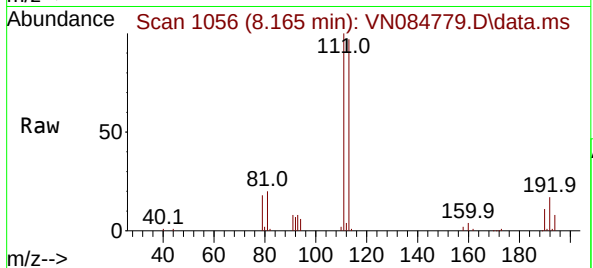
Tgt Ion:113 Resp: 95717

Ion Ratio Lower Upper

113 100

111 102.4 83.3 124.9

192 18.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

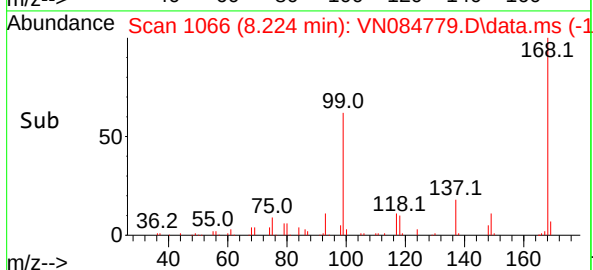
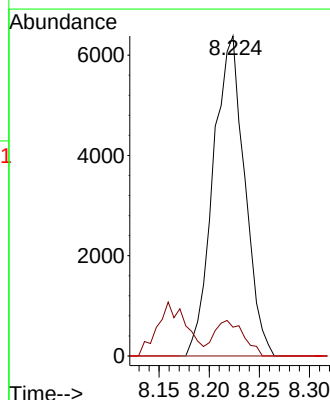
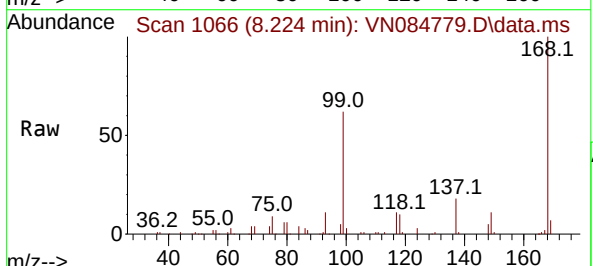
Tgt Ion: 75 Resp: 13935

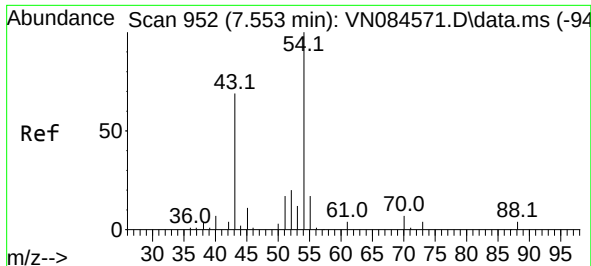
Ion Ratio Lower Upper

75 100

110 10.3 16.9 50.7#

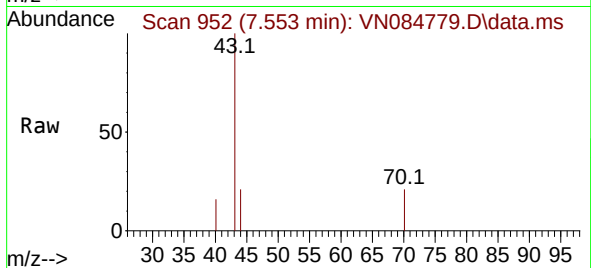
77 0.0 24.7 37.1#



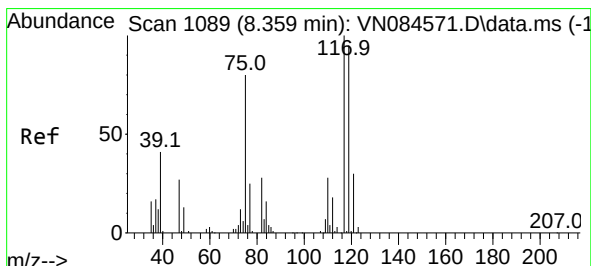
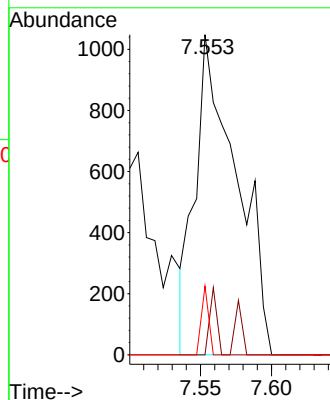
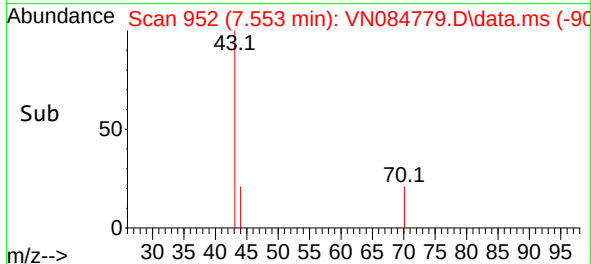


#37
Ethyl Acetate
Concen: 0.834 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Instrument :
MSVOA_N
ClientSampleId :

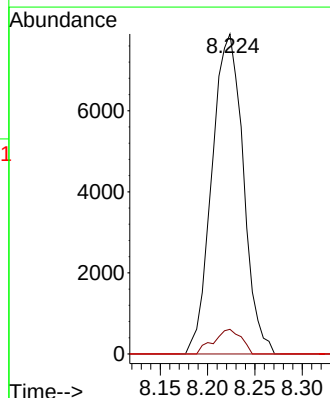
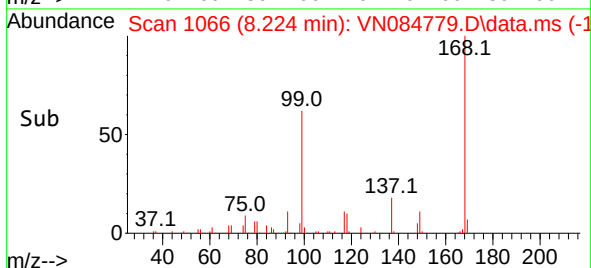
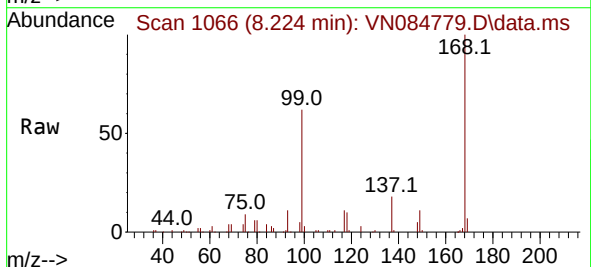


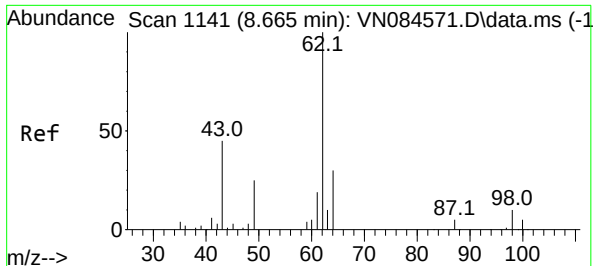
Tgt Ion:	43	Resp:	2115
Ion	Ratio	Lower	Upper
43	100		
61	3.7	10.7	16.1#
70	3.7	8.8	13.2#



#38
Carbon Tetrachloride
Concen: 5.818 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion:	117	Resp:	18184
Ion	Ratio	Lower	Upper
117	100		
119	7.7	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.229 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

Instrument :

MSVOA_N

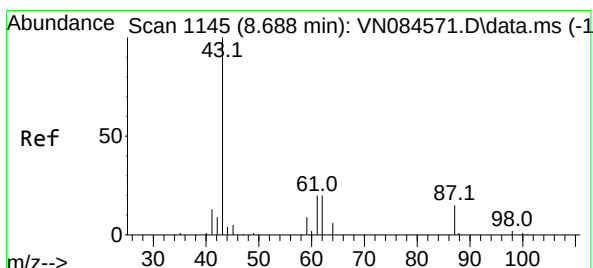
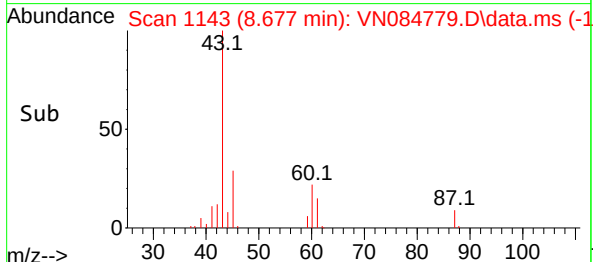
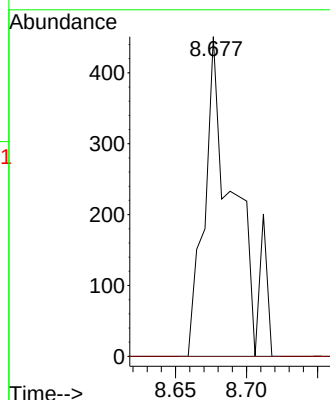
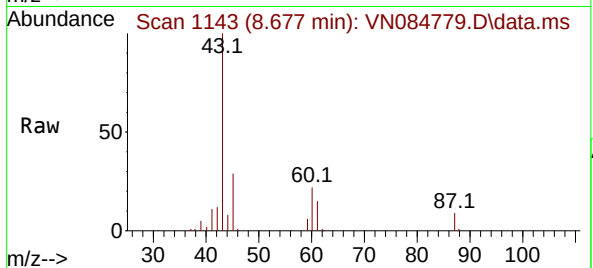
ClientSampleId :

Tgt Ion: 62 Resp: 665

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 43.962 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

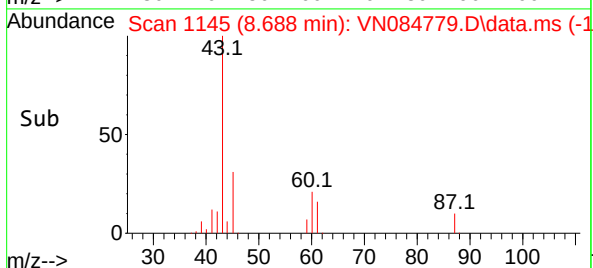
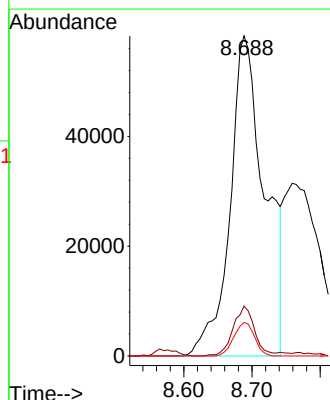
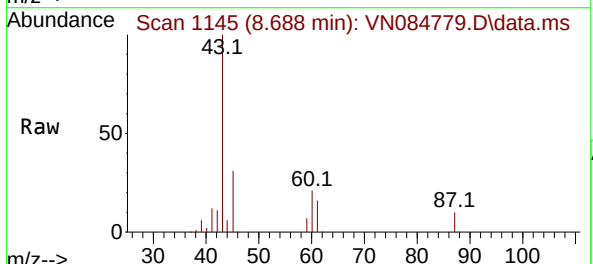
Tgt Ion: 43 Resp: 206580

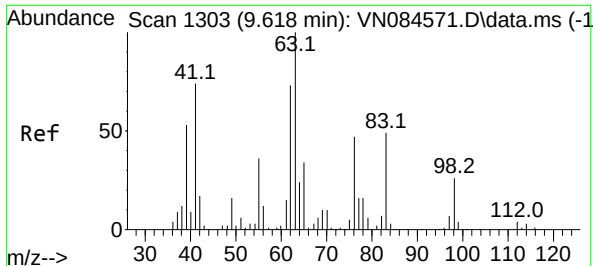
Ion Ratio Lower Upper

43 100

61 9.6 20.4 30.6#

87 6.2 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.498 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

Instrument :

MSVOA_N

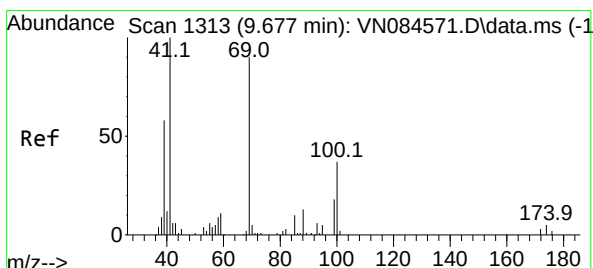
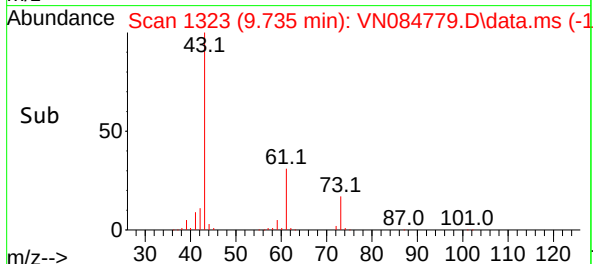
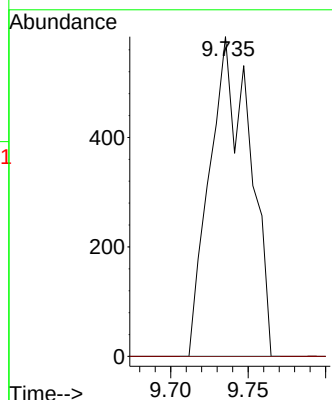
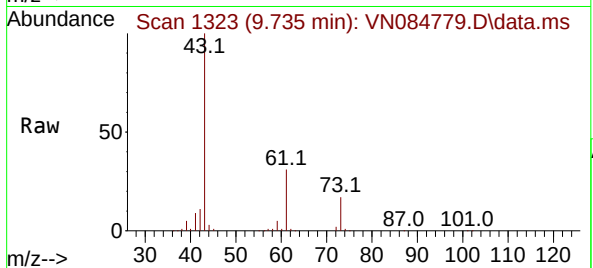
ClientSampleId :

Tgt Ion: 63 Resp: 1048

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.224 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

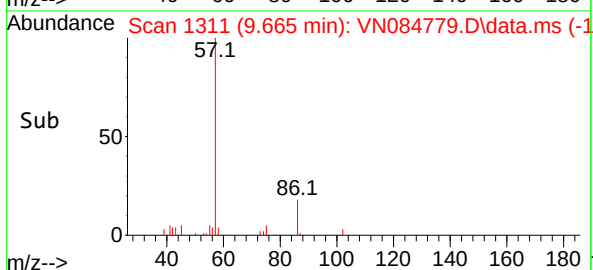
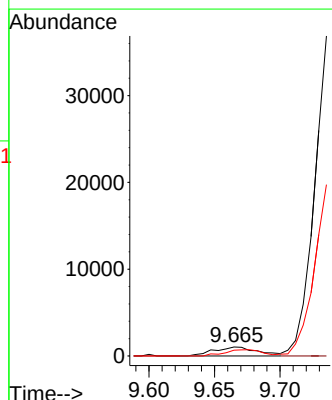
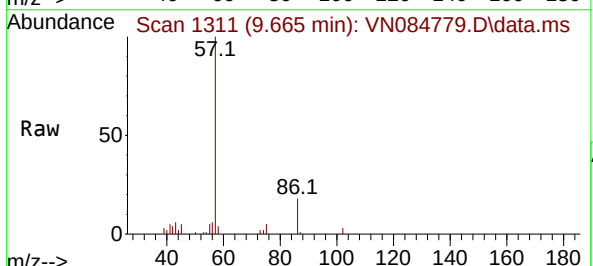
Tgt Ion: 41 Resp: 2416

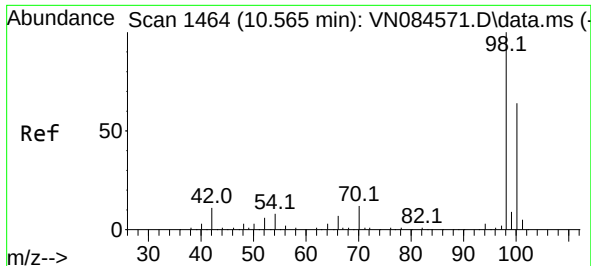
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 57.9 45.8 68.6

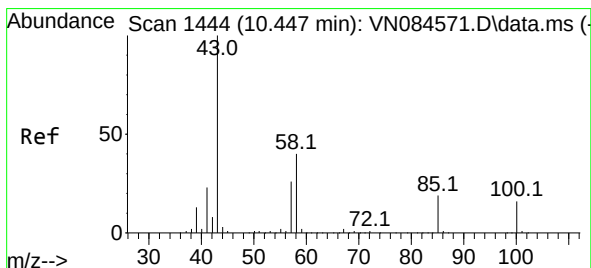
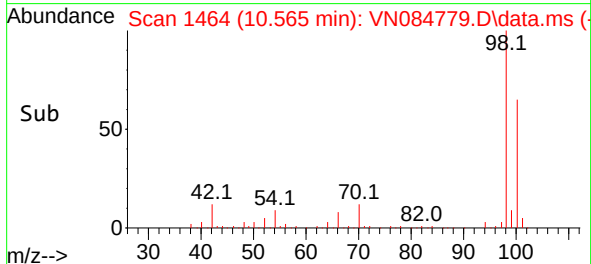
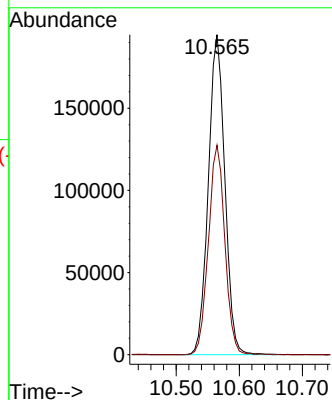
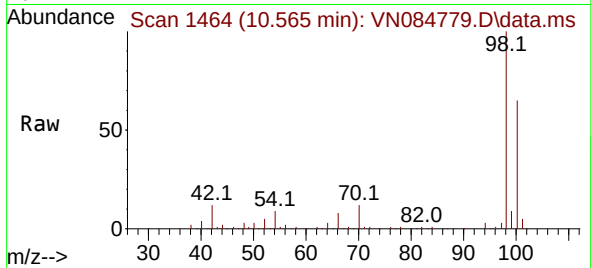




#50
Toluene-d8
Concen: 47.673 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

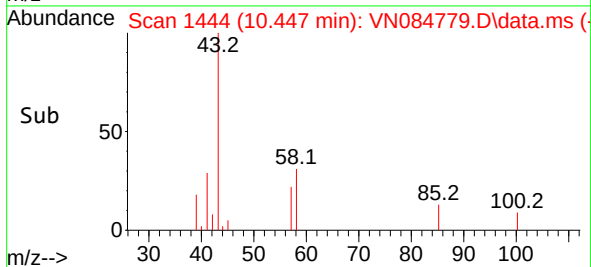
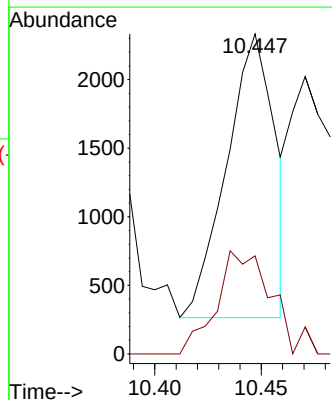
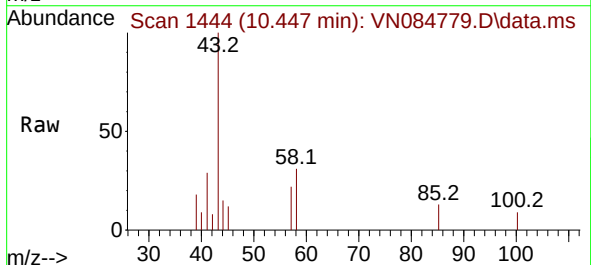
Instrument :
MSVOA_N
ClientSampleId :

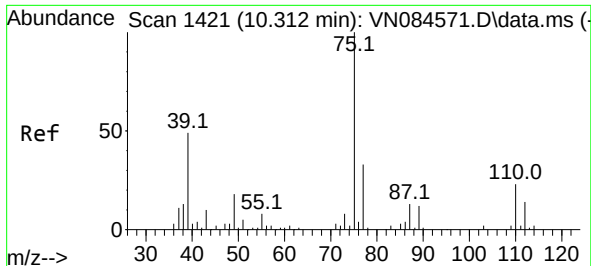
Tgt Ion: 98 Resp: 354051
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 43 Resp: 3258
Ion Ratio Lower Upper
43 100
58 41.6 31.6 47.4

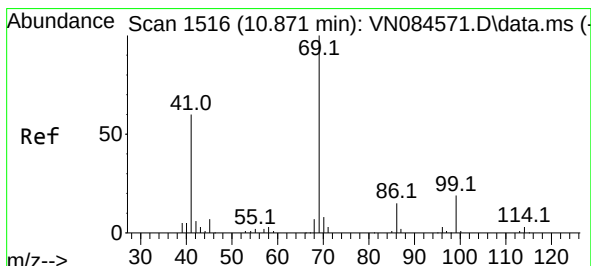
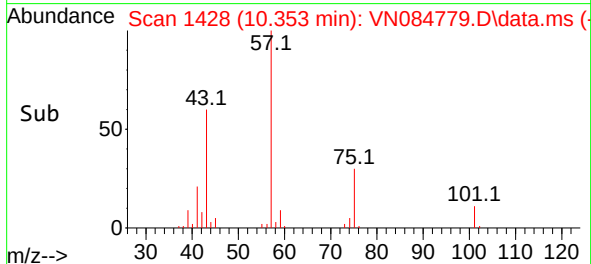
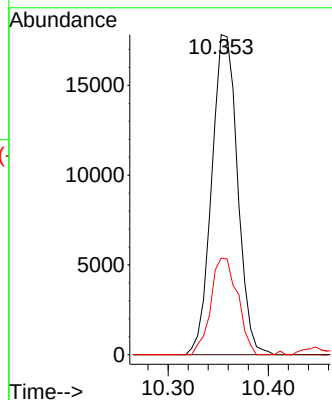
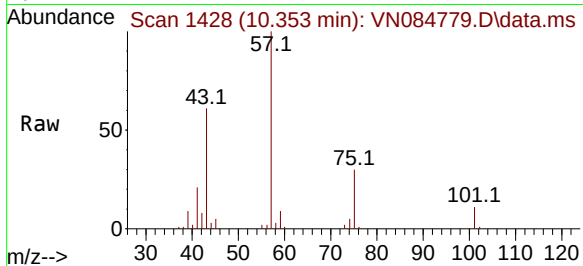




#54
cis-1,3-Dichloropropene
Concen: 9.296 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

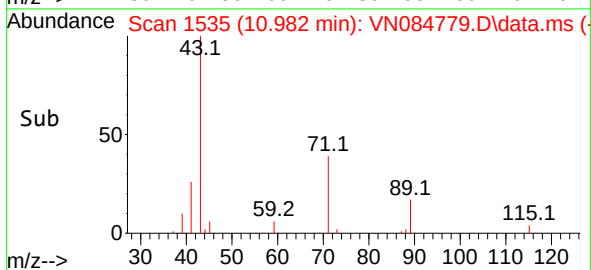
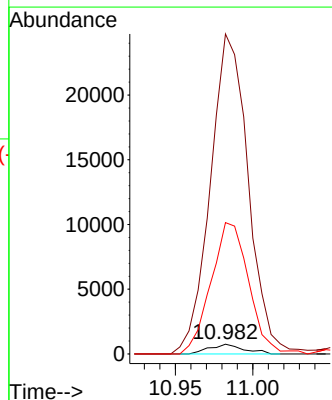
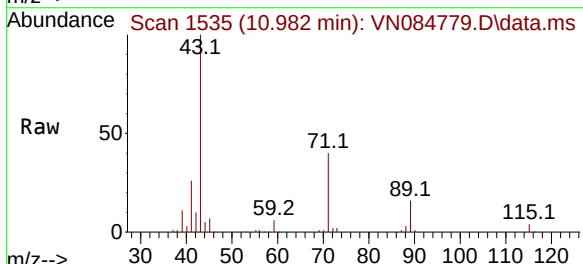
Instrument :
MSVOA_N
ClientSampleId :

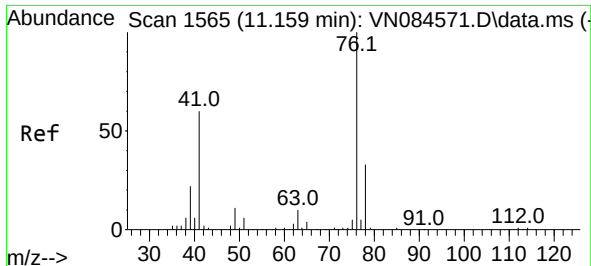
Tgt Ion: 75 Resp: 31908
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.2 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.405 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 69 Resp: 1158
Ion Ratio Lower Upper
69 100
41 3635.6 53.3 79.9#
39 1485.1 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.249 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

Instrument :

MSVOA_N

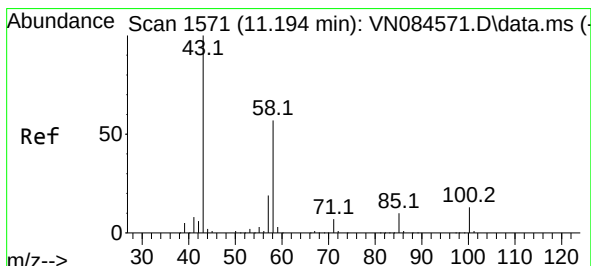
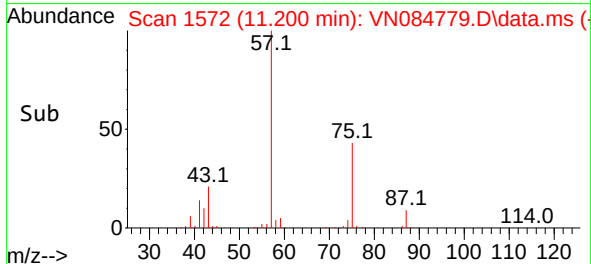
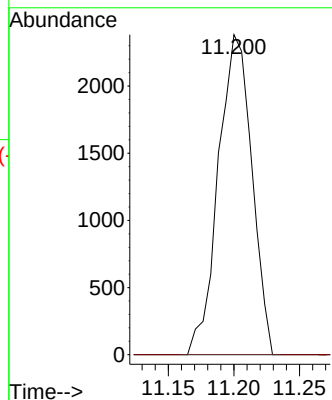
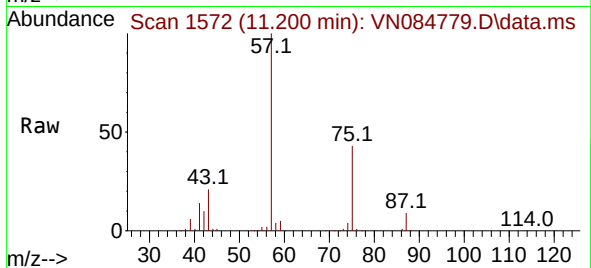
ClientSampleId :

Tgt Ion: 76 Resp: 4241

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 27.321 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084779.D

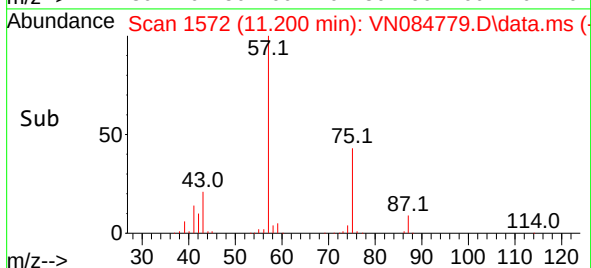
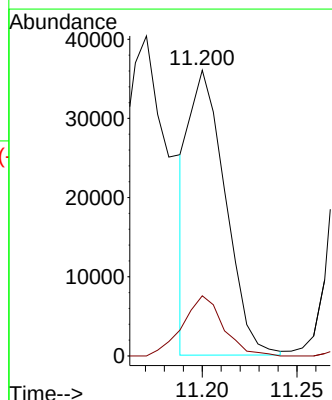
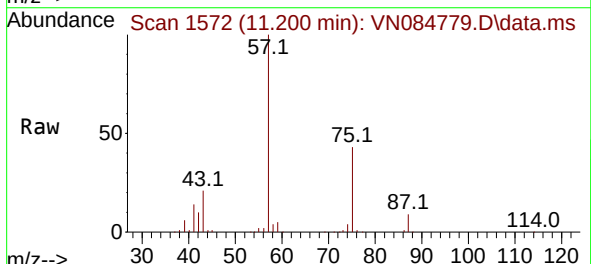
Acq: 11 Nov 2024 18:06

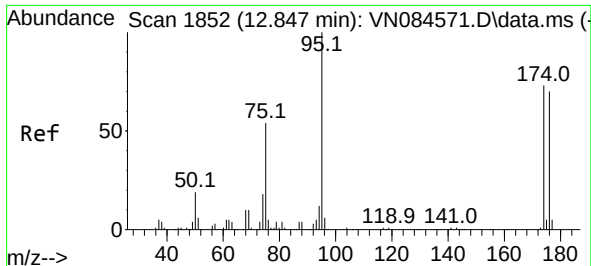
Tgt Ion: 43 Resp: 48093

Ion Ratio Lower Upper

43 100

58 23.6 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 48.648 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

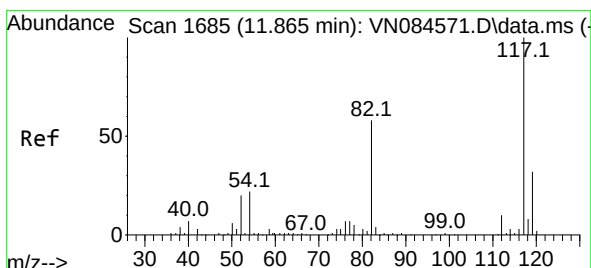
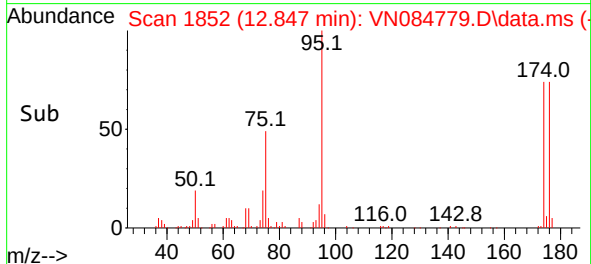
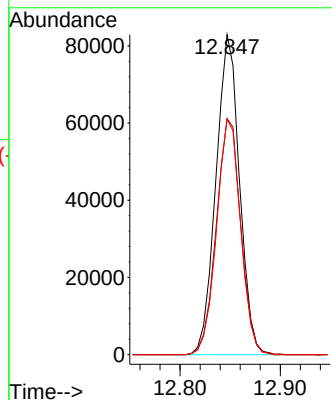
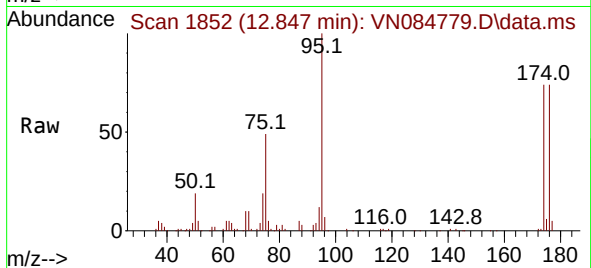
Tgt Ion: 95 Resp: 135026

Ion Ratio Lower Upper

95 100

174 76.7 0.0 145.2

176 74.7 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: VN084779.D

Acq: 11 Nov 2024 18:06

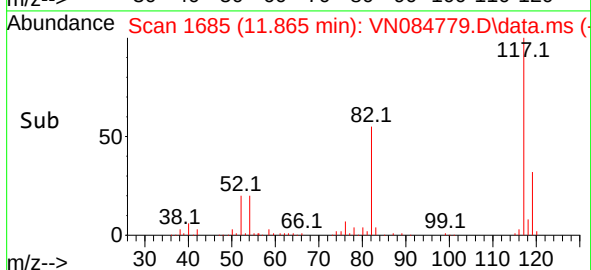
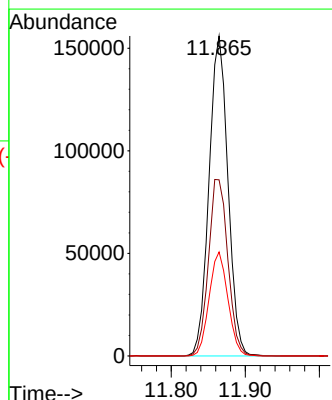
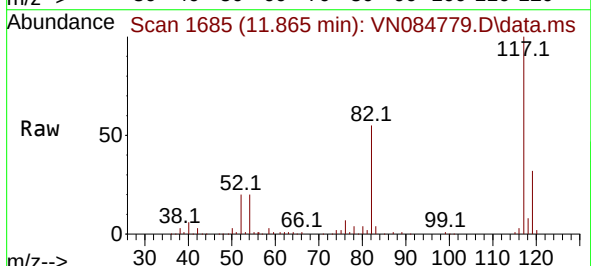
Tgt Ion: 117 Resp: 276056

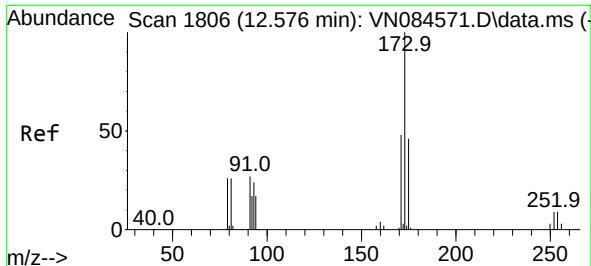
Ion Ratio Lower Upper

117 100

82 55.0 47.2 70.8

119 32.5 25.4 38.0

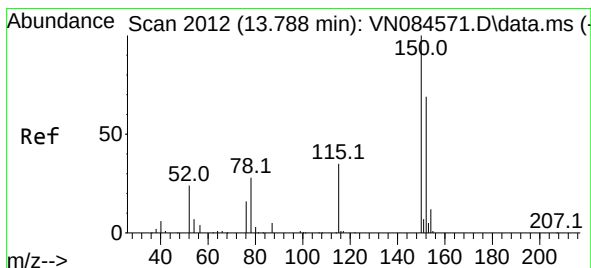
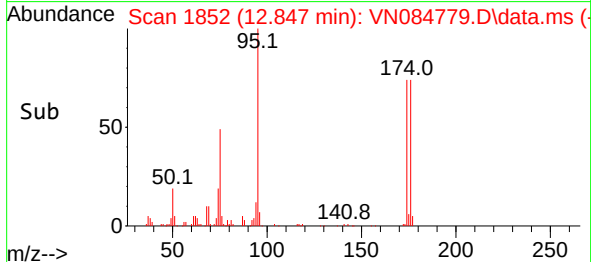
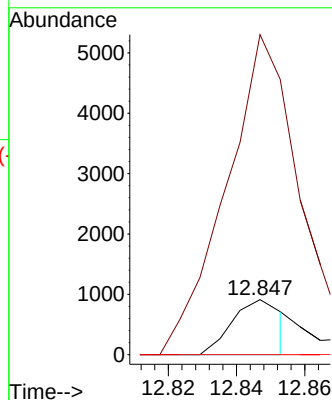
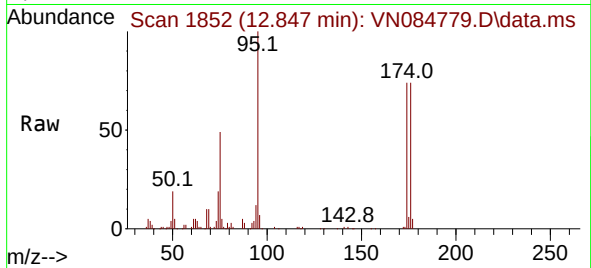




#71
Bromoform
Concen: 0.572 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

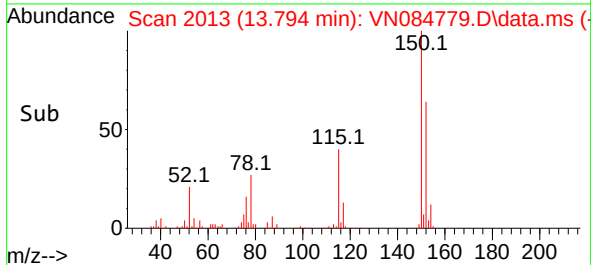
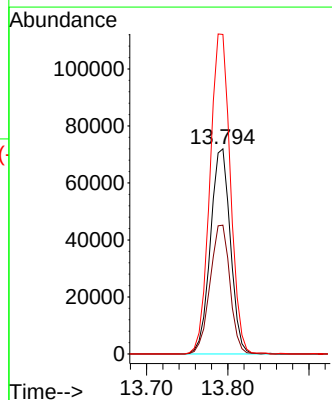
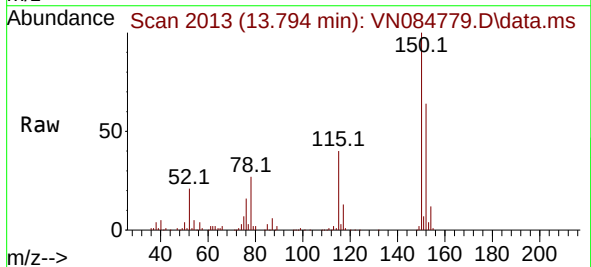
Instrument :
MSVOA_N
ClientSampleId :

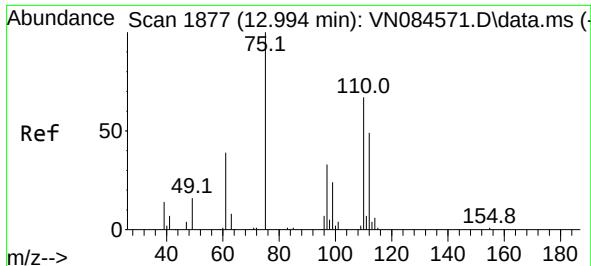
Tgt Ion	173	175	254
Resp:	925	675.9	0.0
Ratio	100	0.0	0.0
Lower		23.5	0.0
Upper		70.6	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion	152	115	150
Resp:	122850	62.7	159.5
Ratio	100	31.3	0.0
Lower		93.9	349.8
Upper			

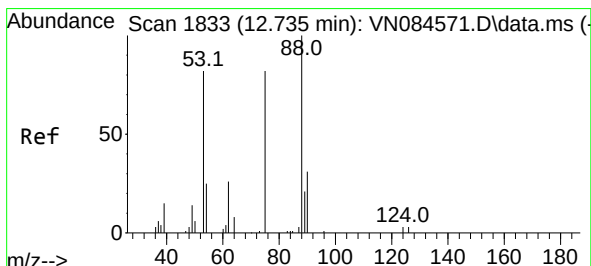
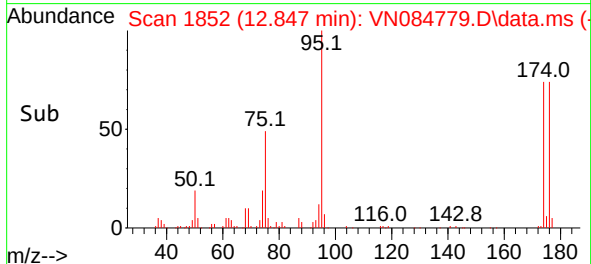
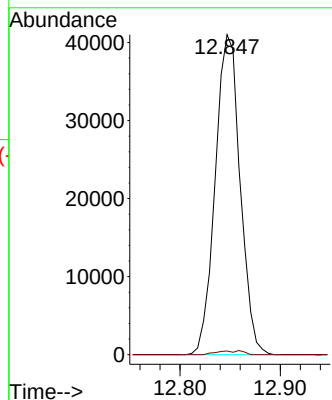
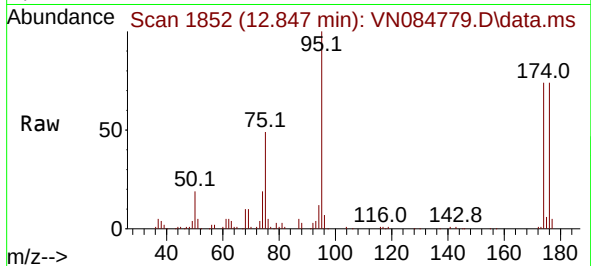




#76
1,2,3-Trichloropropane
Concen: 28.768 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

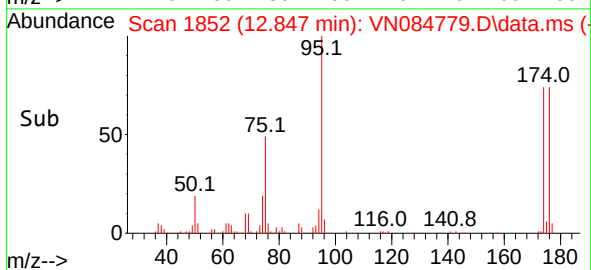
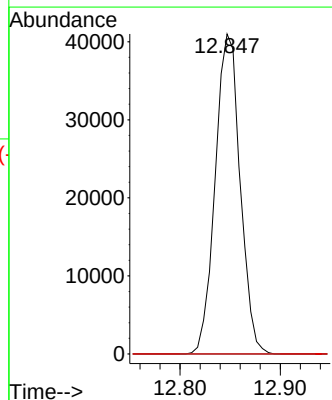
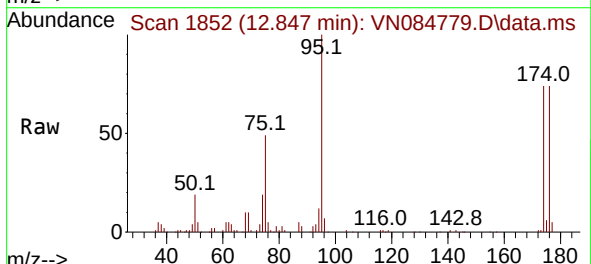
Instrument :
MSVOA_N
ClientSampleId :

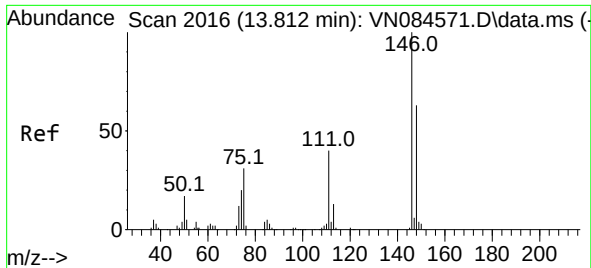
Tgt Ion: 75 Resp: 70646
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.249 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084779.D
Acq: 11 Nov 2024 18:06

Tgt Ion: 75 Resp: 70646
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: 13.806 min Scan# 20

Delta R.T. -0.006 min

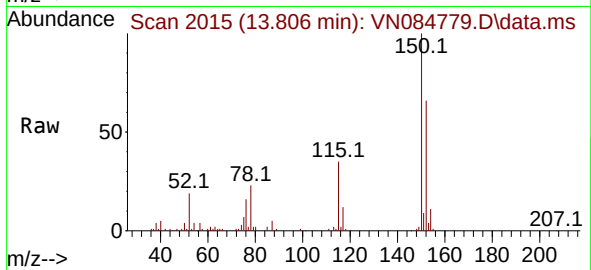
Lab File: VN084779.D

Acq: 11 Nov 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	146	Resp:	55
Ion	Ratio	Lower	Upper
146	100		
111	3325.5	21.2	63.6#
148	1049.1	31.9	95.9#

