

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084693.D
 Acq On : 05 Nov 2024 17:23
 Operator : JC\MD
 Sample : P4694-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:35:14 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)

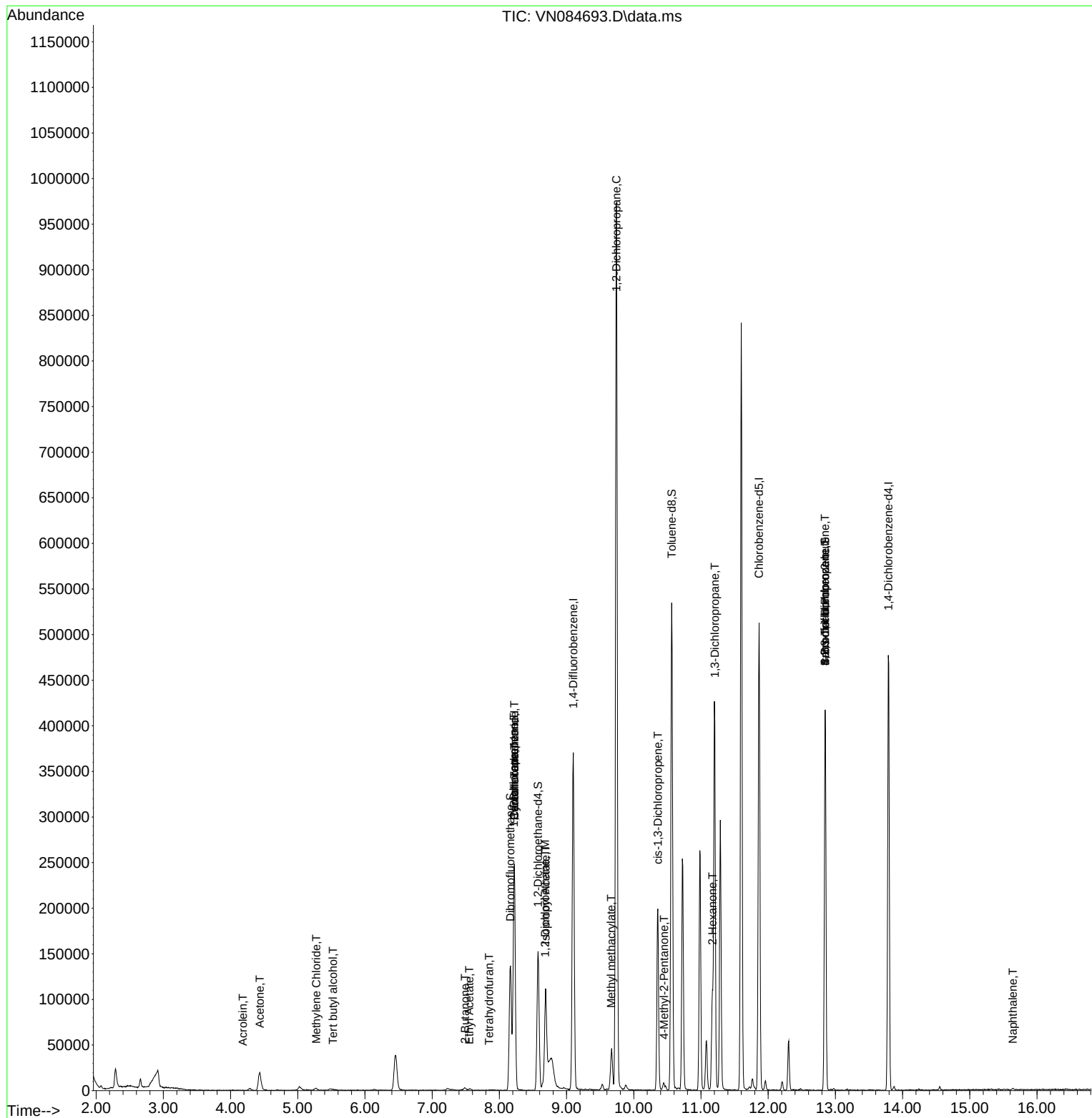
Internal Standards						
1) Pentafluorobenzene	8.224	168	181085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	124964	47.779	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.560%		
35) Dibromofluoromethane	8.165	113	102549	47.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.060%		
50) Toluene-d8	10.565	98	375656	46.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.540%		
62) 4-Bromofluorobenzene	12.847	95	150384	50.100	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.200%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	676	Below Cal	#	41
6) Chloroethane	3.118	64	244	Below Cal	#	45
11) Tert butyl alcohol	5.524	59	847	2.453	ug/l #	73
13) Acrolein	4.183	56	196	0.569	ug/l #	14
16) Acetone	4.436	43	36669	46.210	ug/l	99
18) Methyl Acetate	5.024	43	8088	Below Cal		93
20) Methylene Chloride	5.277	84	1573	0.684	ug/l #	53
25) 2-Butanone	7.488	43	4701	3.853	ug/l	93
29) Tetrahydrofuran	7.847	42	532	0.657	ug/l #	43
31) Cyclohexane	8.224	56	4092	1.133	ug/l #	15
36) 1,1-Dichloropropene	8.218	75	15337	5.072	ug/l #	50
37) Ethyl Acetate	7.553	43	3068	1.118	ug/l #	82
38) Carbon Tetrachloride	8.224	117	19268	5.701	ug/l #	13
42) 1,2-Dichloroethane	8.682	62	680	0.216	ug/l #	75
43) Isopropyl Acetate	8.688	43	142855	27.756	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1209	0.531	ug/l #	44
48) Methyl methacrylate	9.665	41	3244	1.519	ug/l #	42
51) 4-Methyl-2-Pentanone	10.453	43	9050	3.460	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	36881	9.935	ug/l #	61
57) 1,3-Dichloropropane	11.206	76	4739	1.291	ug/l #	42
59) 2-Hexanone	11.170	43	87624	46.028	ug/l #	24
71) Bromoform	12.847	173	753	0.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76222	29.581	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76222	70.179	ug/l #	11
95) Naphthalene	15.641	128	1967	0.264	ug/l #	81

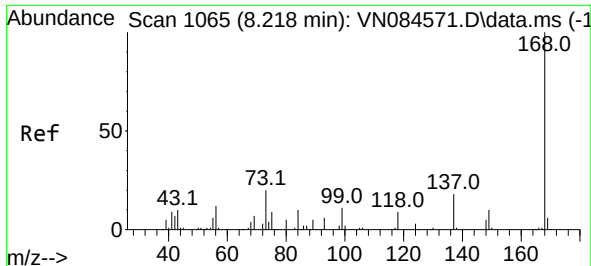
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

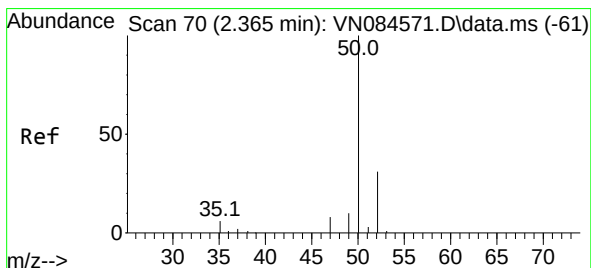
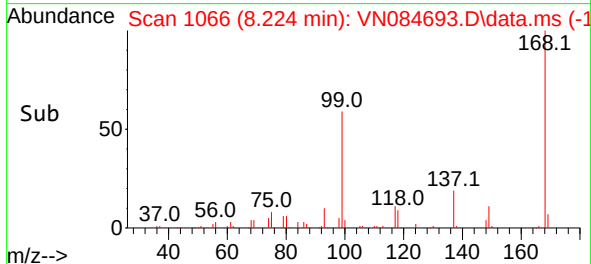
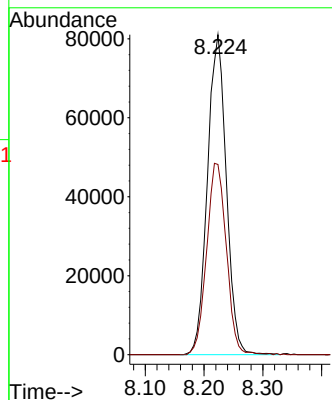
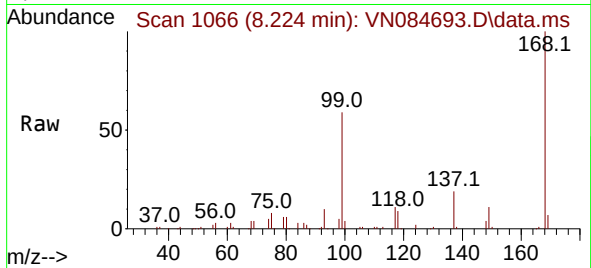




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

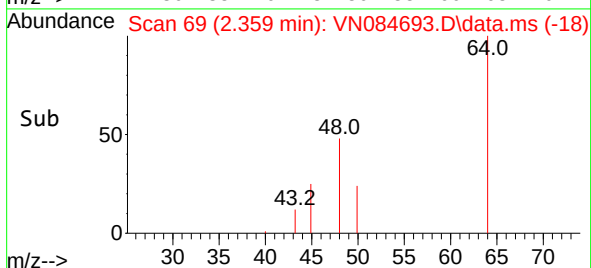
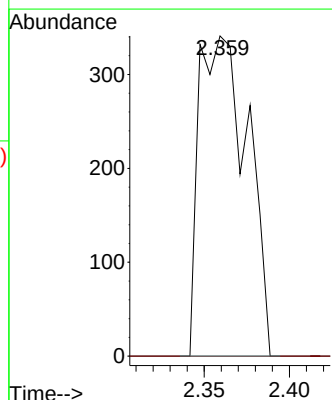
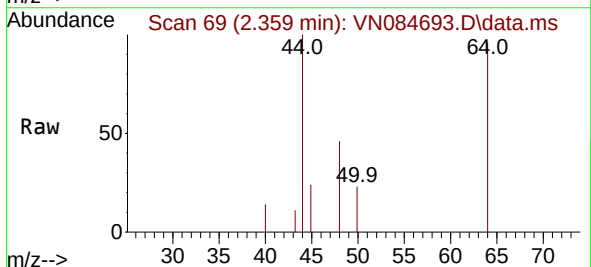
Instrument :
MSVOA_N
ClientSampleId :

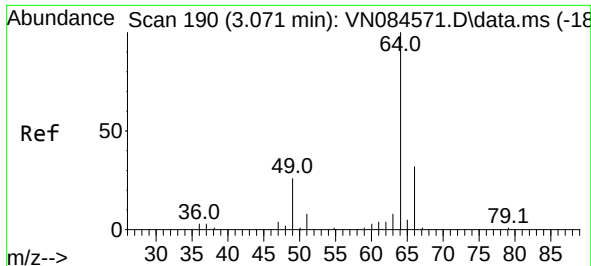
Tgt Ion:168 Resp: 181085
Ion Ratio Lower Upper
168 100
99 59.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion: 50 Resp: 676
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

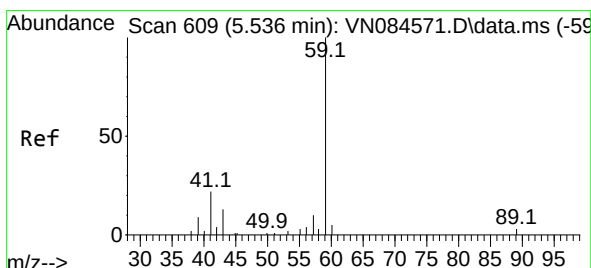
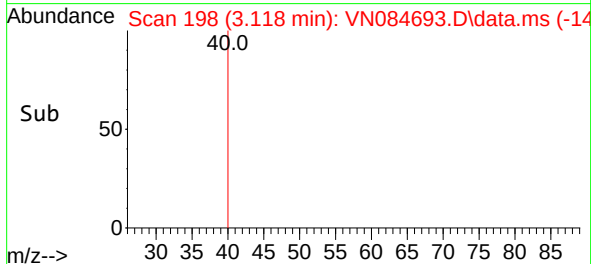
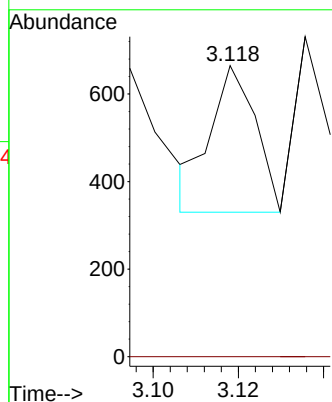
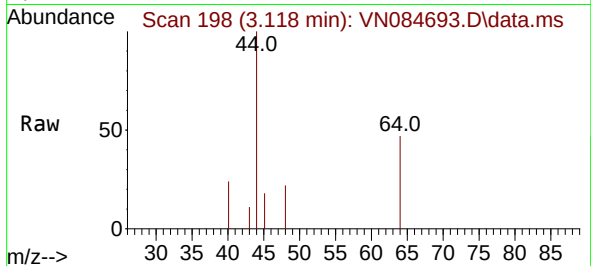




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

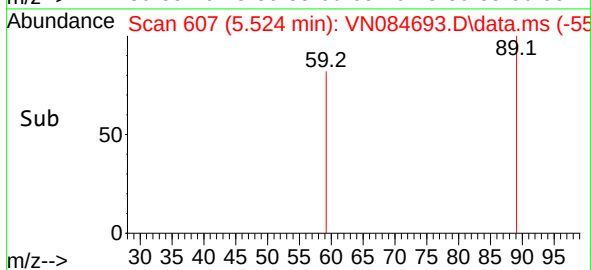
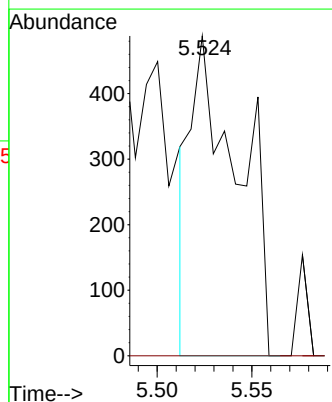
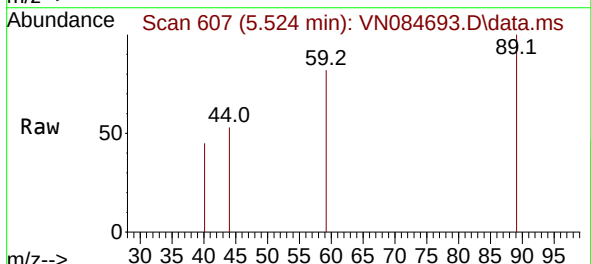
Instrument :
MSVOA_N
ClientSampleId :

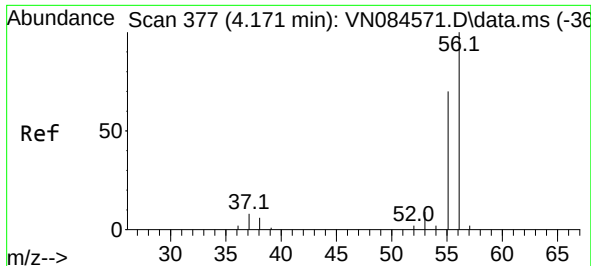
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.453 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

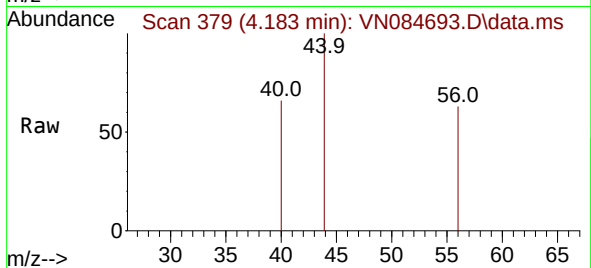
Tgt Ion: 59 Resp: 847
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



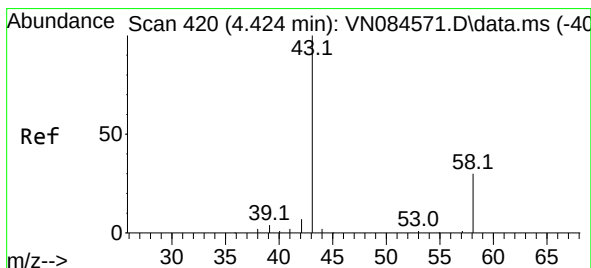
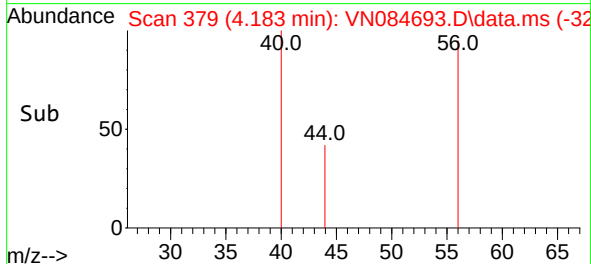
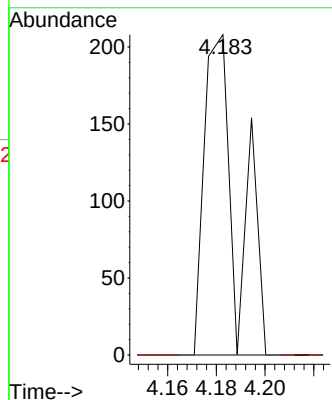


#13
Acrolein
Concen: 0.569 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

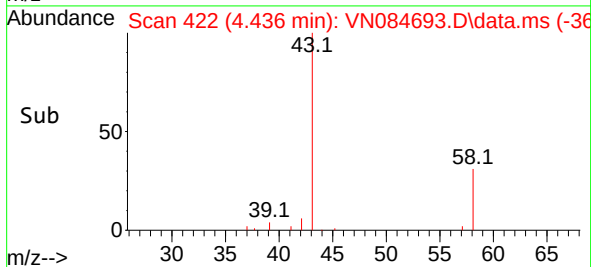
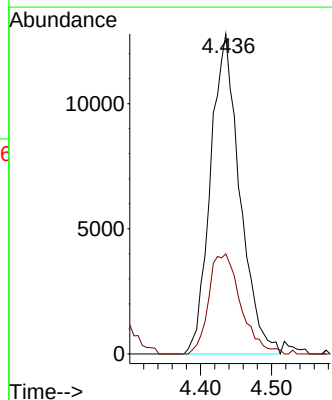
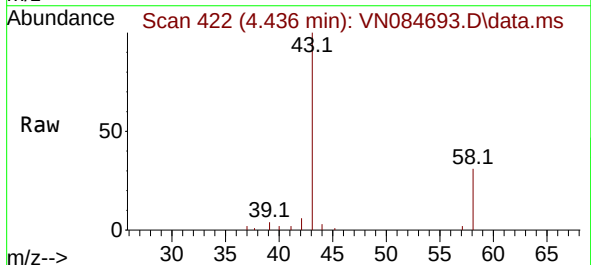


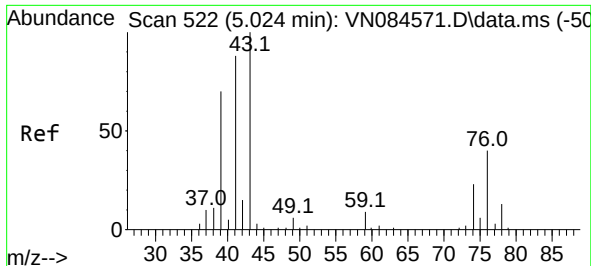
Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 46.210 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion: 43 Resp: 36669
Ion Ratio Lower Upper
43 100
58 31.3 24.4 36.6

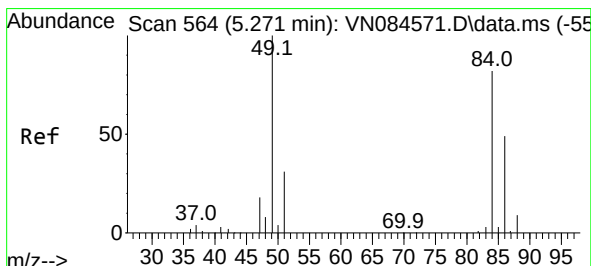
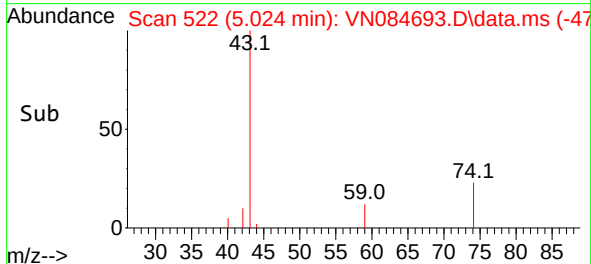
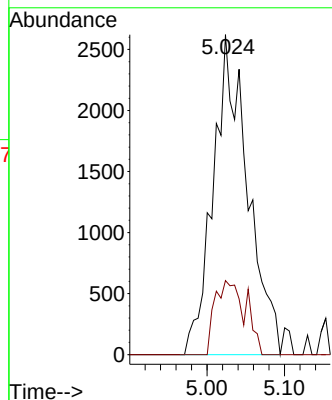
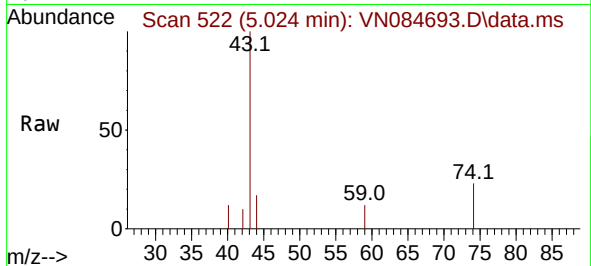




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

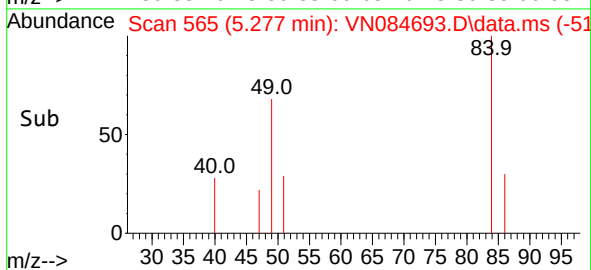
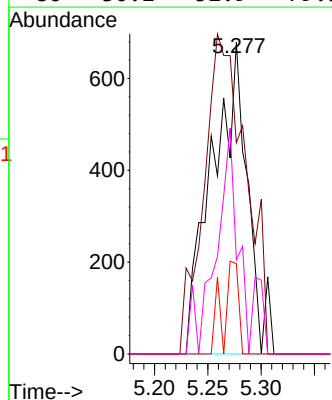
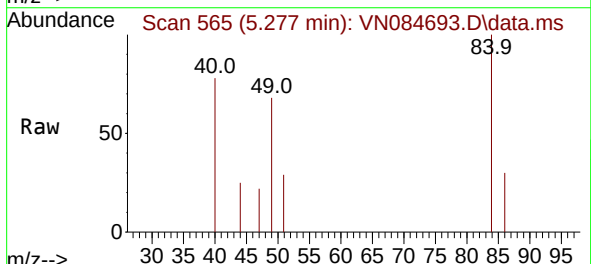
Instrument :
MSVOA_N
ClientSampleId :

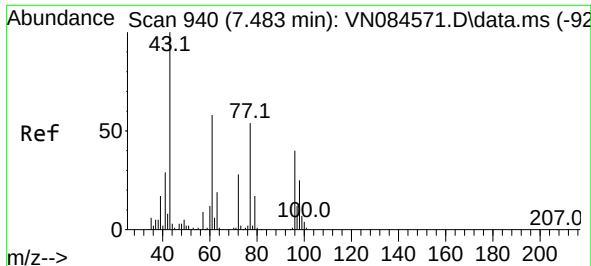
Tgt Ion: 43 Resp: 8088
Ion Ratio Lower Upper
43 100
74 20.5 19.2 28.8



#20
Methylene Chloride
Concen: 0.684 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

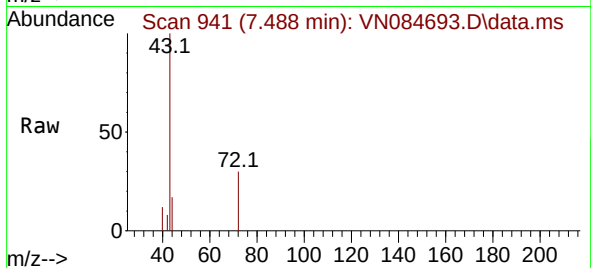
Tgt Ion: 84 Resp: 1573
Ion Ratio Lower Upper
84 100
49 67.7 107.2 160.8#
51 29.0 31.8 47.8#
86 30.2 52.9 79.3#



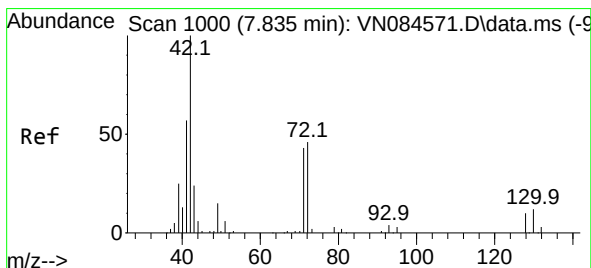
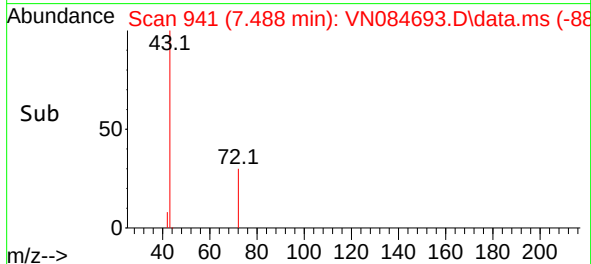
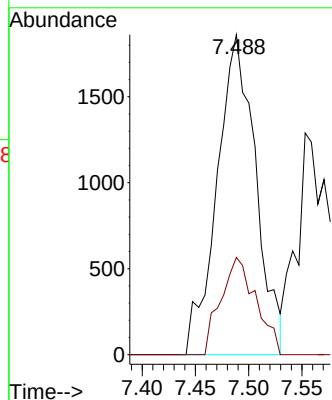


#25
2-Butanone
Concen: 3.853 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

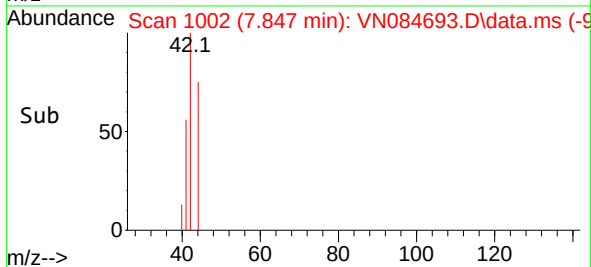
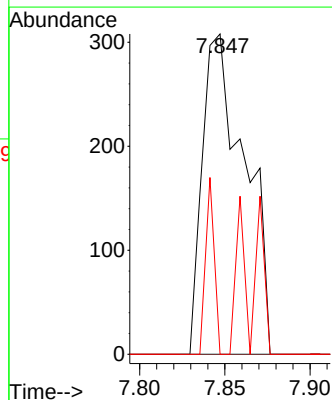
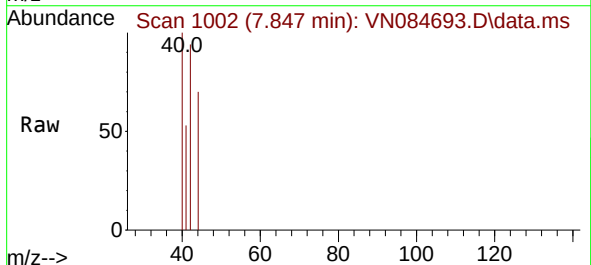


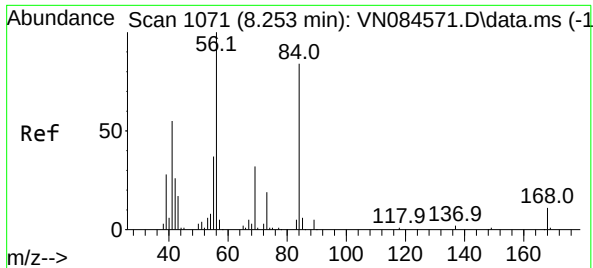
Tgt Ion: 43 Resp: 4701
Ion Ratio Lower Upper
43 100
72 30.4 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.657 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

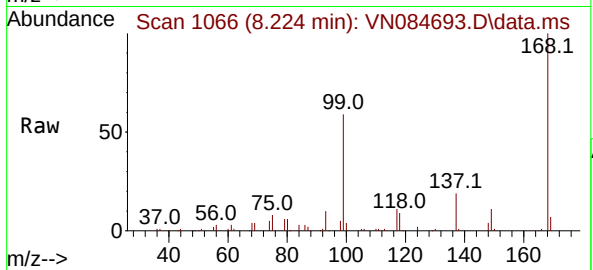
Tgt Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 11.3 32.2 48.4#



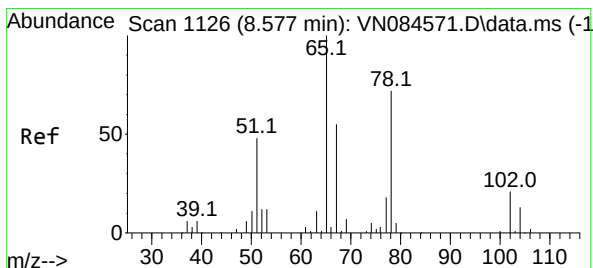
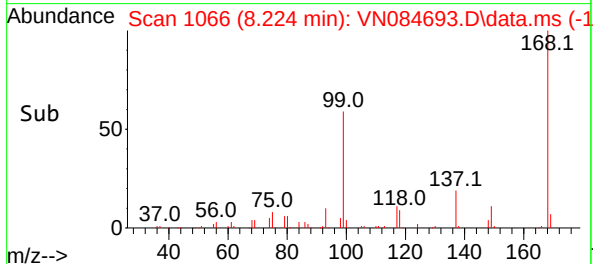
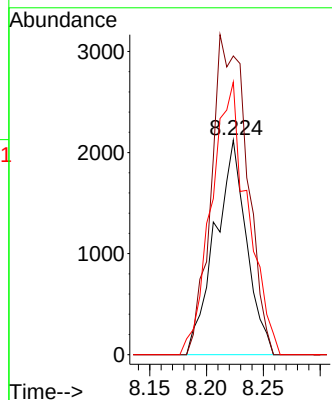


#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

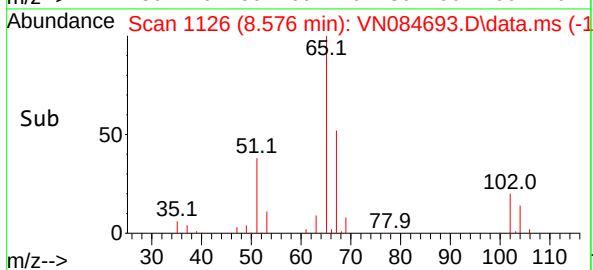
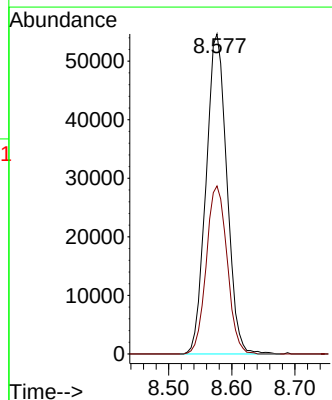
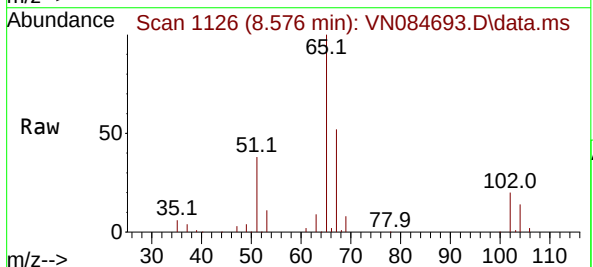


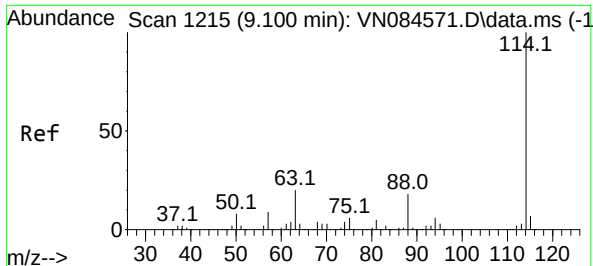
Tgt Ion: 56 Resp: 4092
Ion Ratio Lower Upper
56 100
69 139.2 23.8 35.6#
84 127.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.779 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

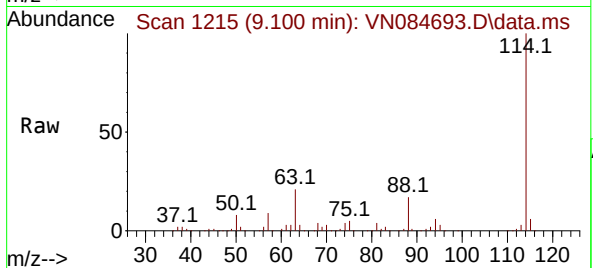
Tgt Ion: 65 Resp: 124964
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.0



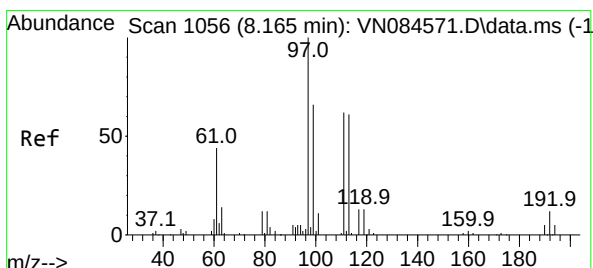
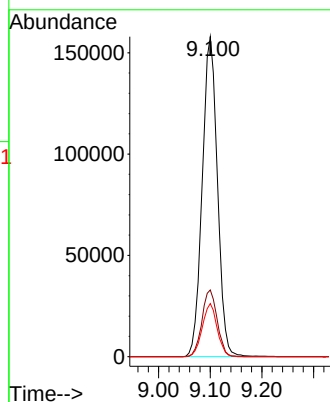
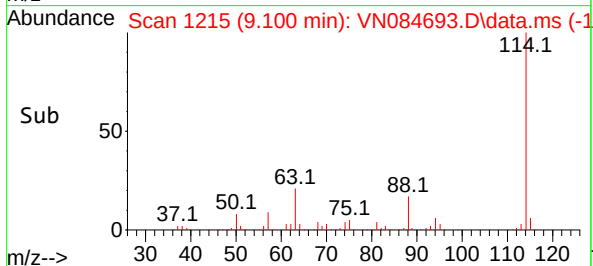


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

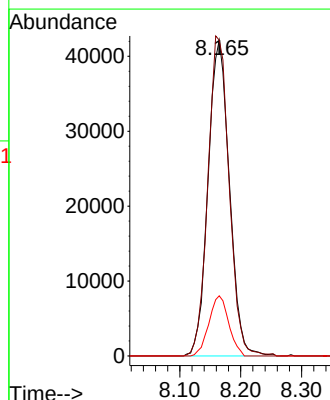
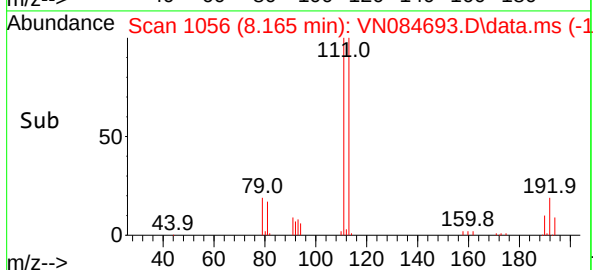
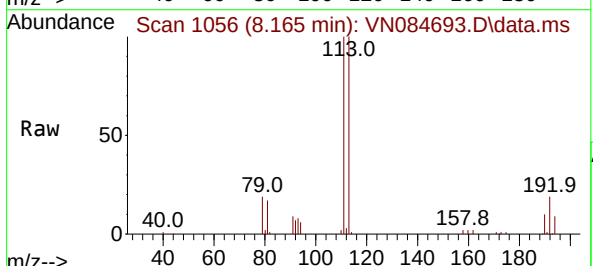


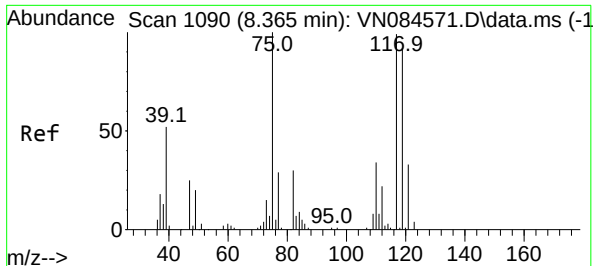
Tgt Ion:114 Resp: 322117
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.8
88 16.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.033 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion:113 Resp: 102549
Ion Ratio Lower Upper
113 100
111 101.0 83.3 124.9
192 17.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.072 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084693.D

Acq: 05 Nov 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

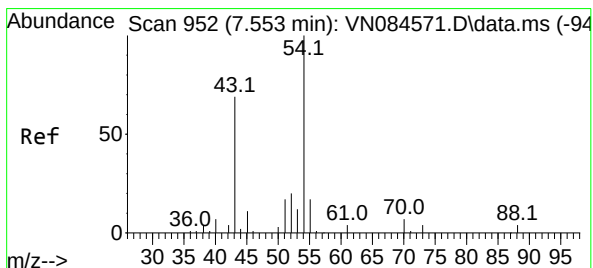
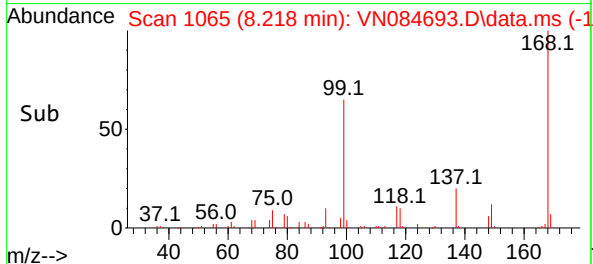
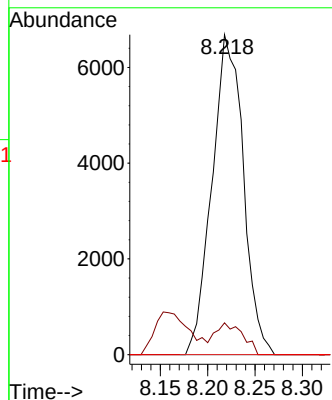
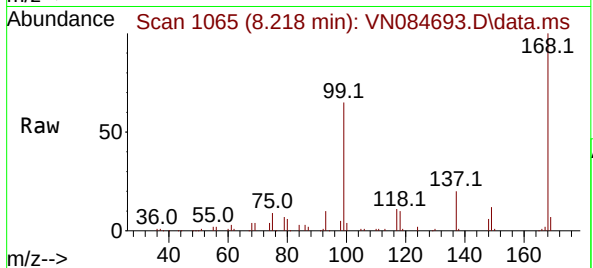
Tgt Ion: 75 Resp: 15337

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.118 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN084693.D

Acq: 05 Nov 2024 17:23

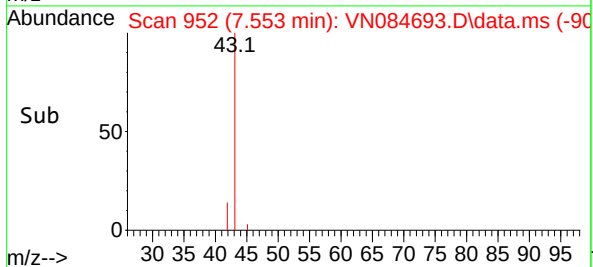
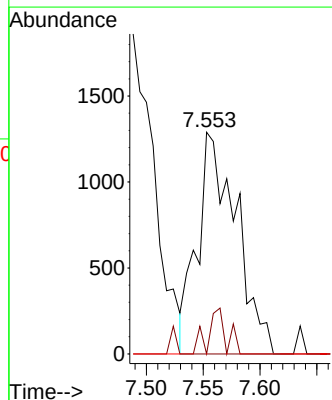
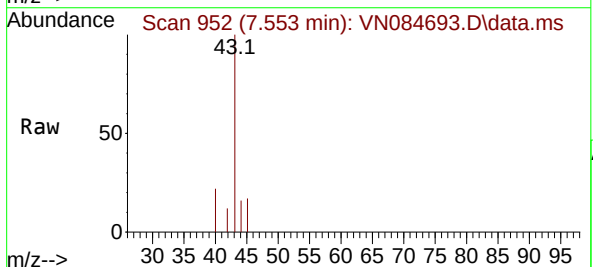
Tgt Ion: 43 Resp: 3068

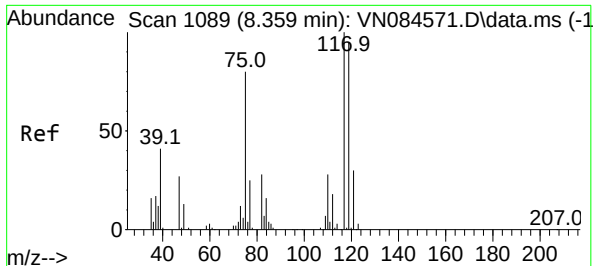
Ion Ratio Lower Upper

43 100

61 9.6 10.7 16.1#

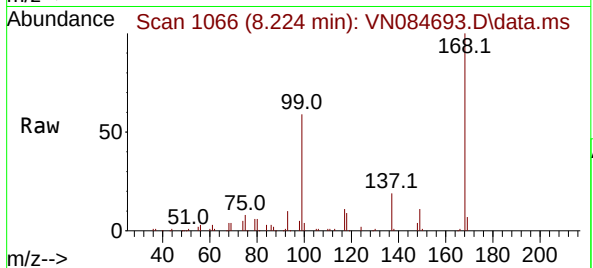
70 0.0 8.8 13.2#



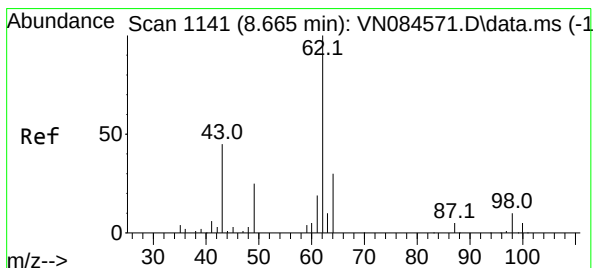
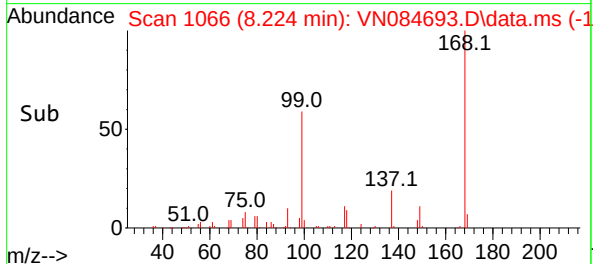
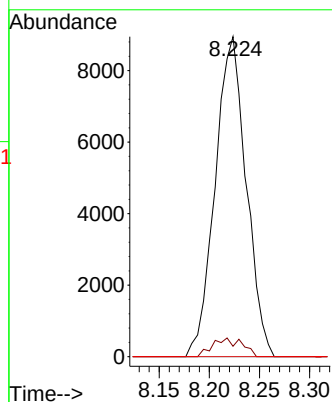


#38
Carbon Tetrachloride
Concen: 5.701 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

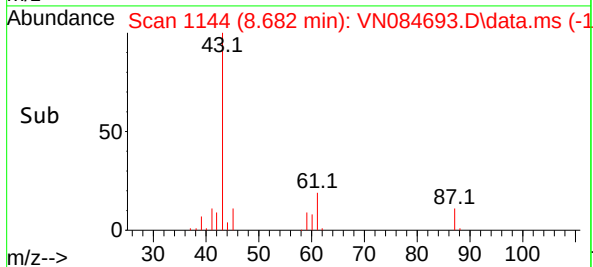
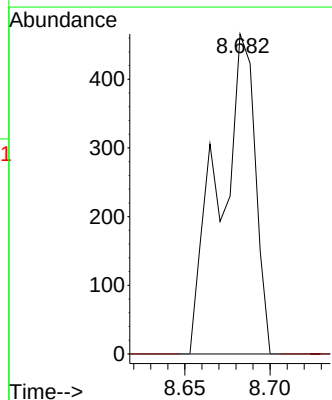
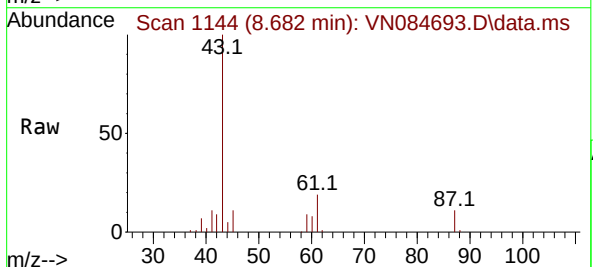


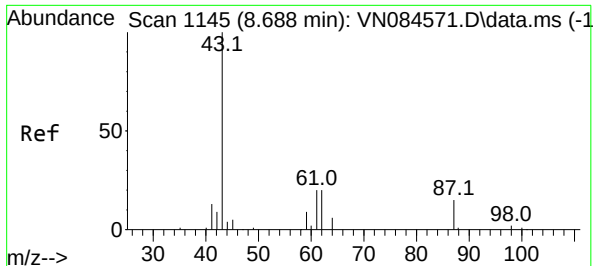
Tgt Ion:117 Resp: 19268
Ion Ratio Lower Upper
117 100
119 3.3 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.216 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion: 62 Resp: 680
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 27.756 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084693.D

Acq: 05 Nov 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

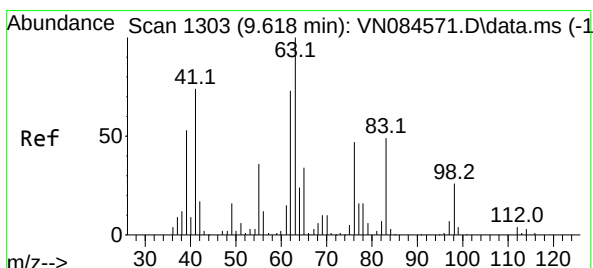
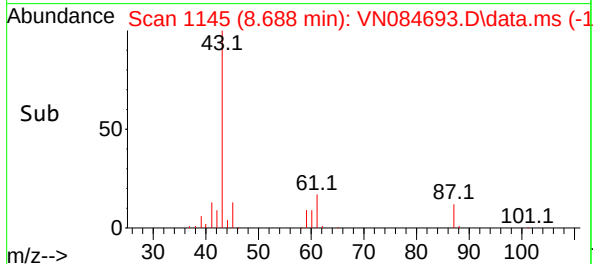
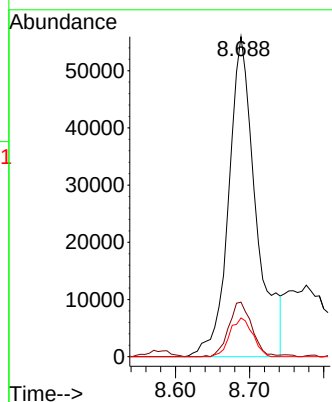
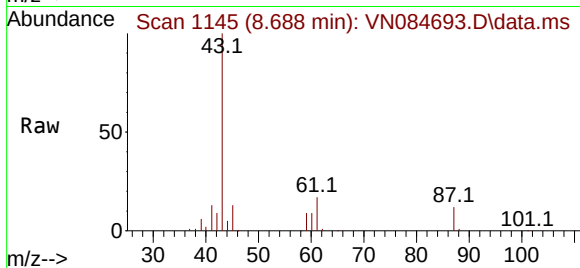
Tgt Ion: 43 Resp: 142855

Ion Ratio Lower Upper

43 100

61 14.5 20.4 30.6#

87 10.1 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.531 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084693.D

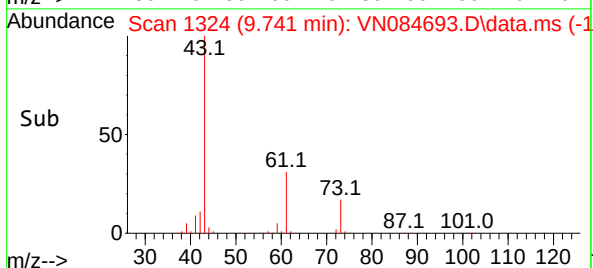
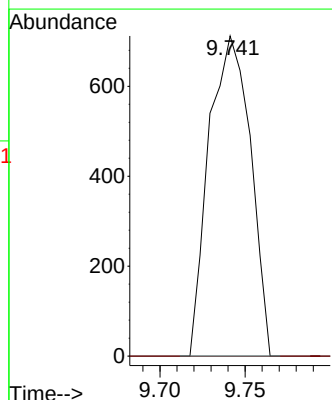
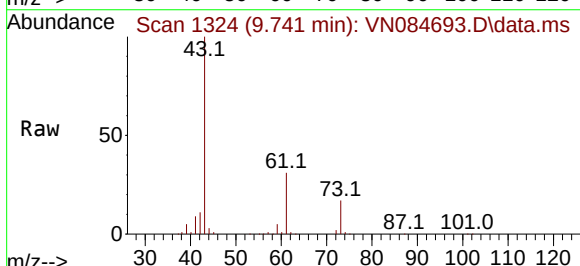
Acq: 05 Nov 2024 17:23

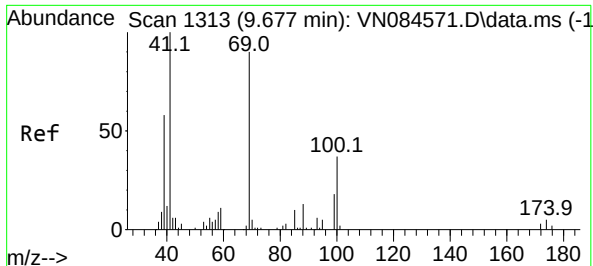
Tgt Ion: 63 Resp: 1209

Ion Ratio Lower Upper

63 100

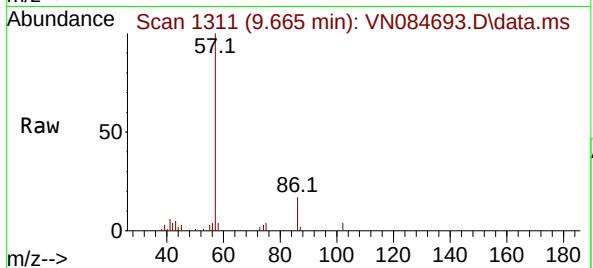
65 0.0 24.6 37.0#



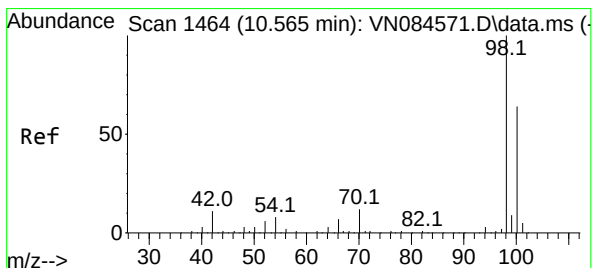
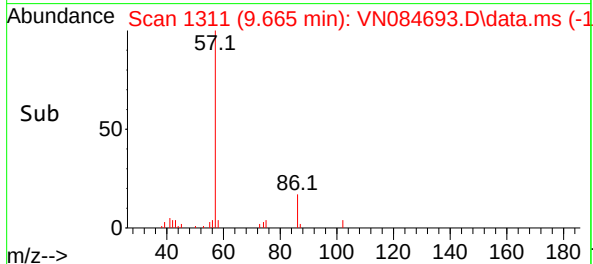
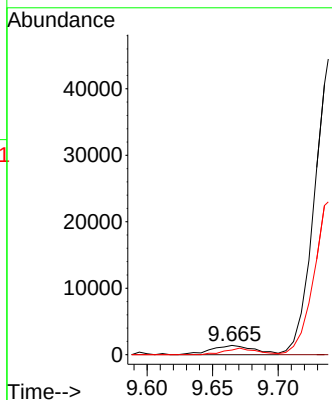


#48
Methyl methacrylate
Concen: 1.519 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

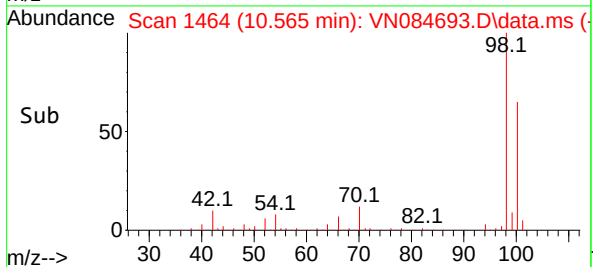
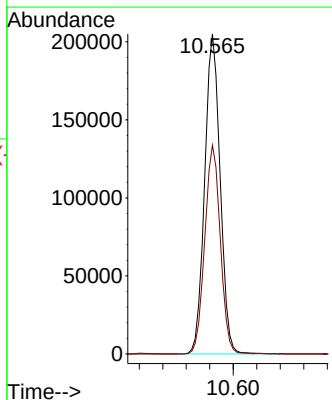
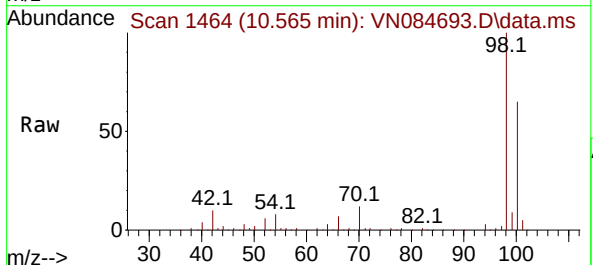


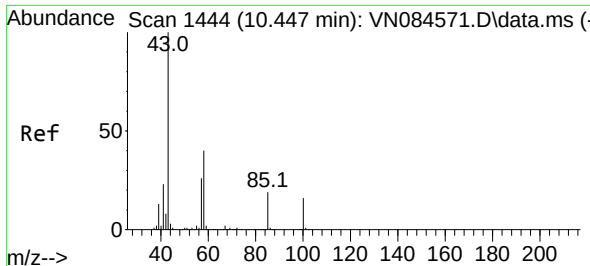
Tgt Ion: 41 Resp: 3244
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 51.8 45.8 68.6



#50
Toluene-d8
Concen: 46.772 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion: 98 Resp: 375656
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

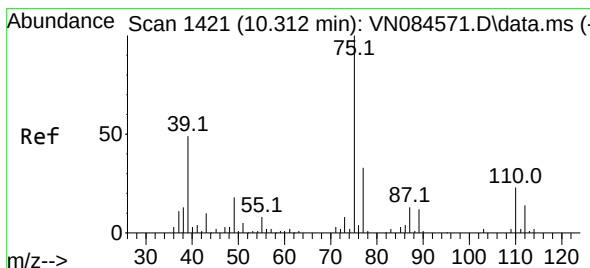
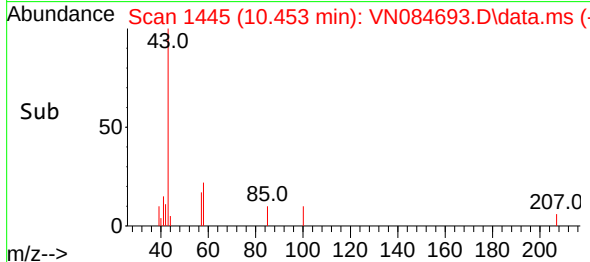
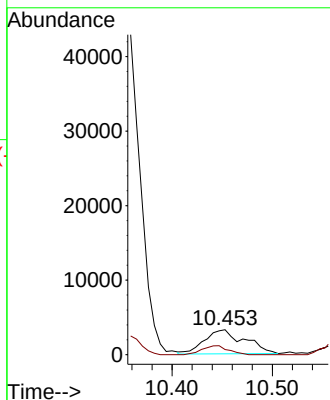
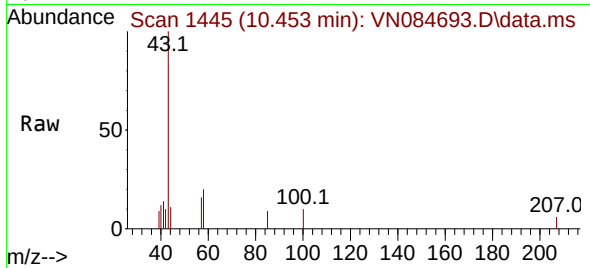




#51
4-Methyl-2-Pentanone
Concen: 3.460 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

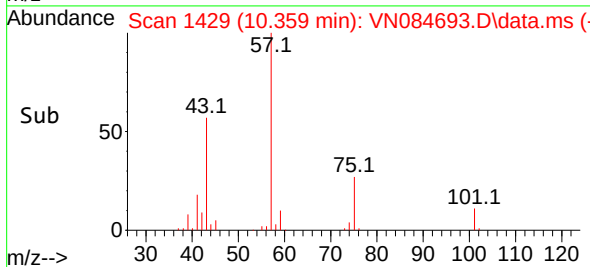
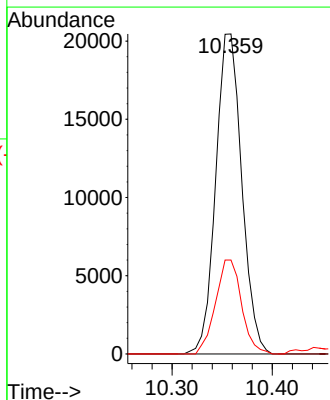
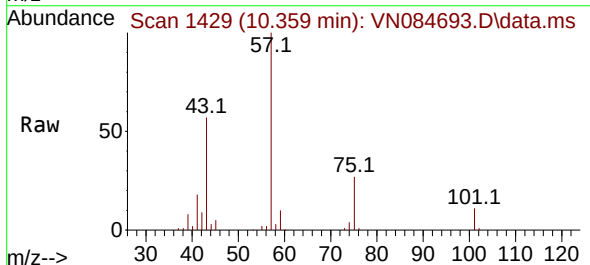
Instrument :
MSVOA_N
ClientSampleId :

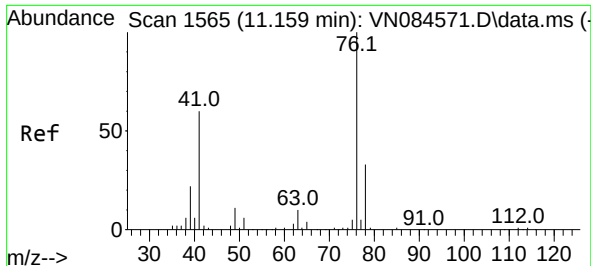
Tgt Ion: 43 Resp: 9050
Ion Ratio Lower Upper
43 100
58 24.0 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.935 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion: 75 Resp: 36881
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 29.3 38.7 58.1#





#57

1,3-Dichloropropane

Concen: 1.291 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN084693.D

Acq: 05 Nov 2024 17:23

Instrument :

MSVOA_N

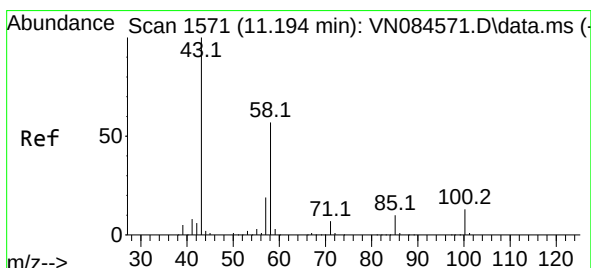
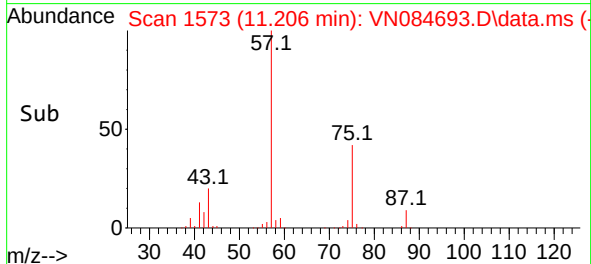
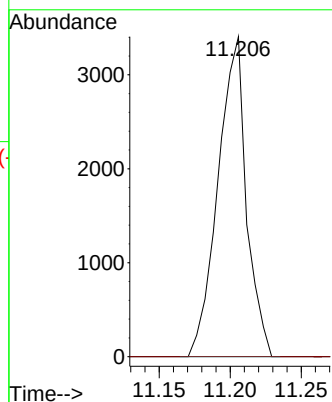
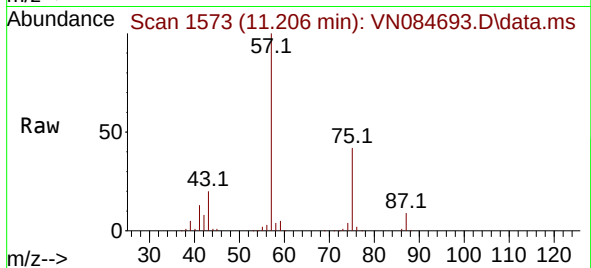
ClientSampleId :

Tgt Ion: 76 Resp: 4739

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 46.028 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084693.D

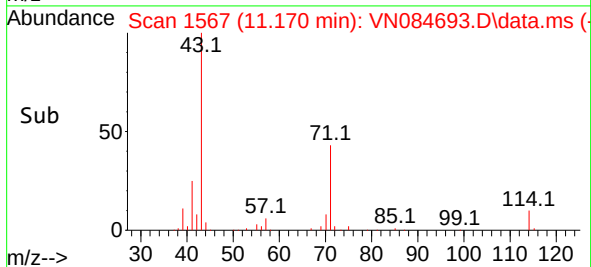
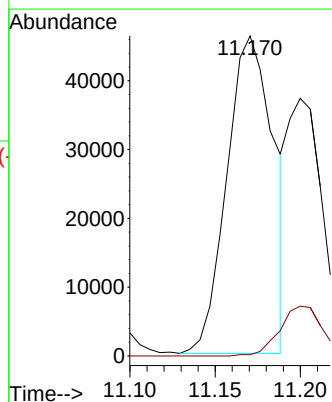
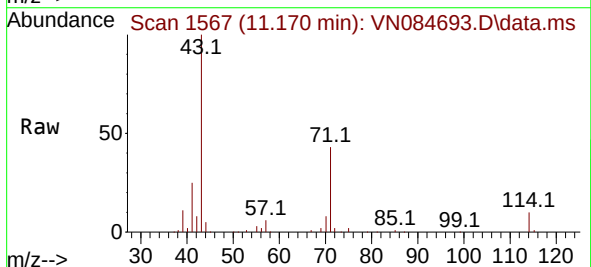
Acq: 05 Nov 2024 17:23

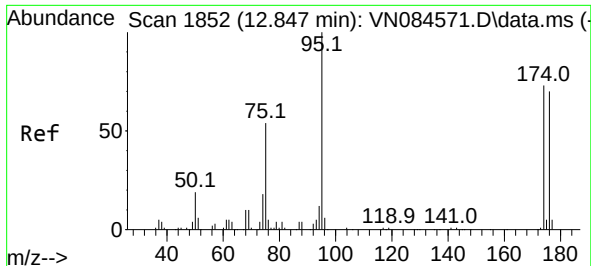
Tgt Ion: 43 Resp: 87624

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

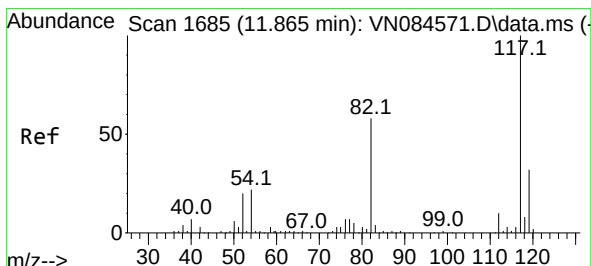
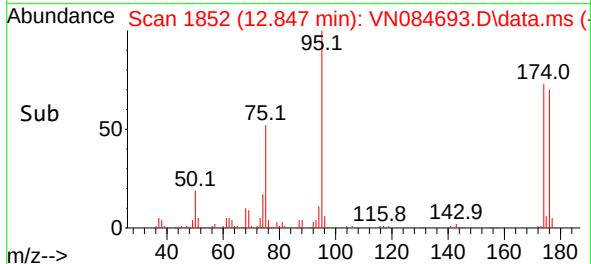
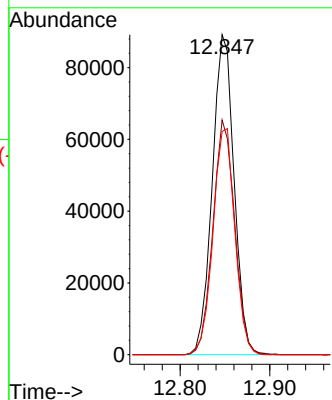
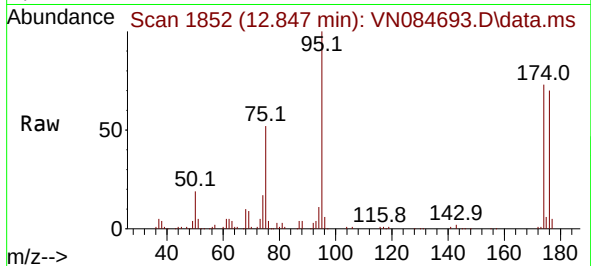




#62
4-Bromofluorobenzene
Concen: 50.100 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

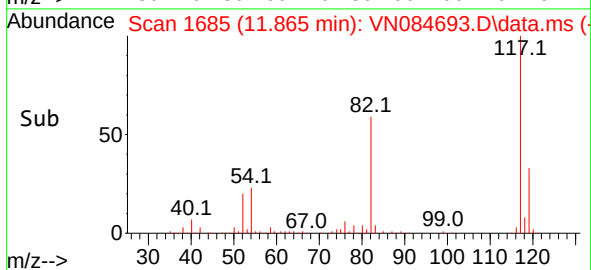
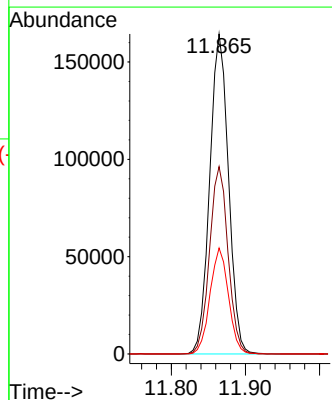
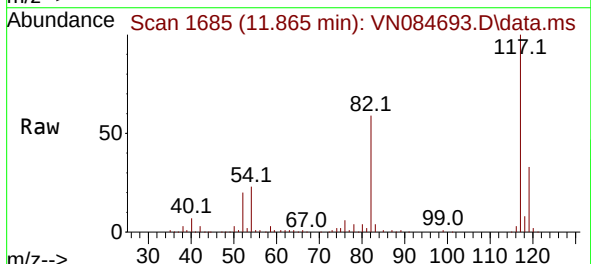
Instrument :
MSVOA_N
ClientSampleId :

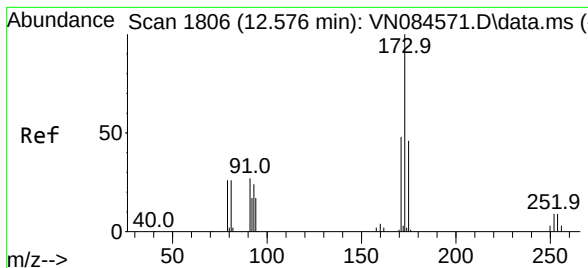
Tgt Ion: 95 Resp: 150384
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.2
176 70.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Tgt Ion: 117 Resp: 289129
Ion Ratio Lower Upper
117 100
82 58.5 47.2 70.8
119 33.1 25.4 38.0





#71

Bromoform

Concen: 0.445 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN084693.D

Acq: 05 Nov 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

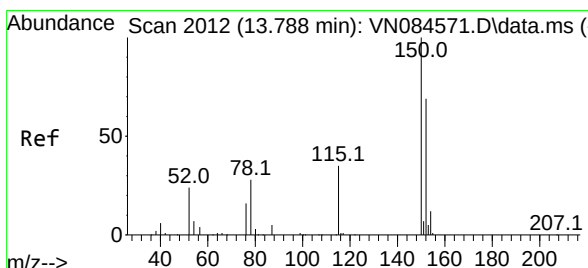
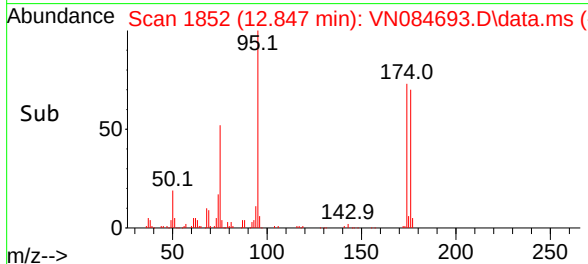
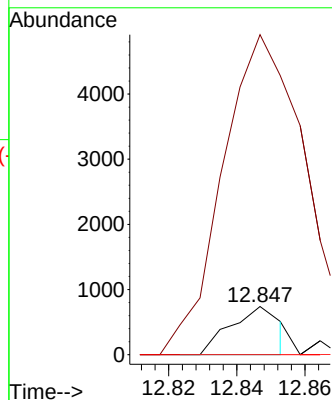
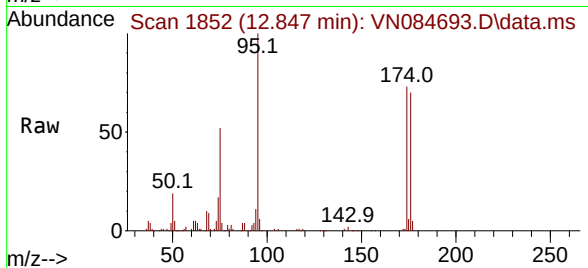
Tgt Ion:173 Resp: 753

Ion Ratio Lower Upper

173 100

175 813.7 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# 1212

Delta R.T. -0.000 min

Lab File: VN084693.D

Acq: 05 Nov 2024 17:23

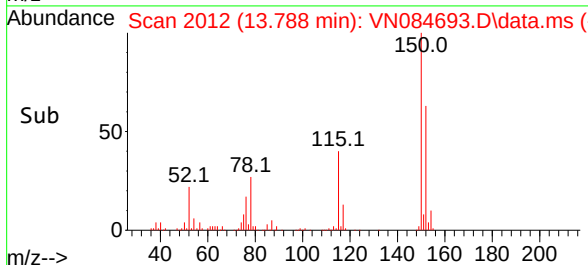
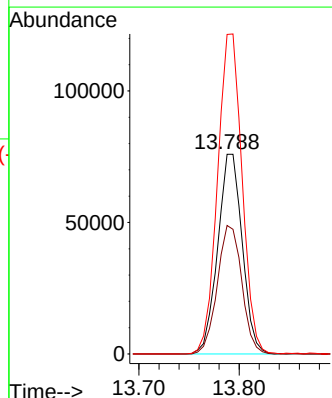
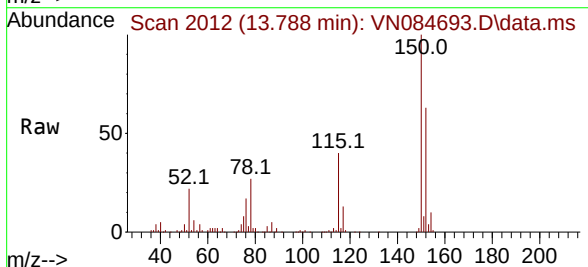
Tgt Ion:152 Resp: 128902

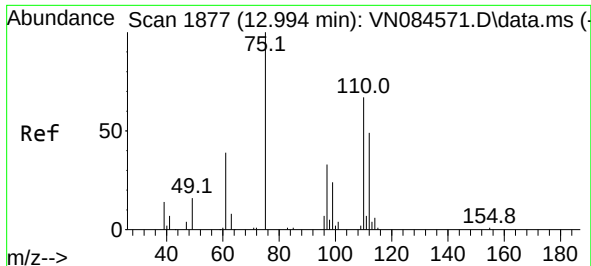
Ion Ratio Lower Upper

152 100

115 64.1 31.3 93.9

150 160.3 0.0 349.8

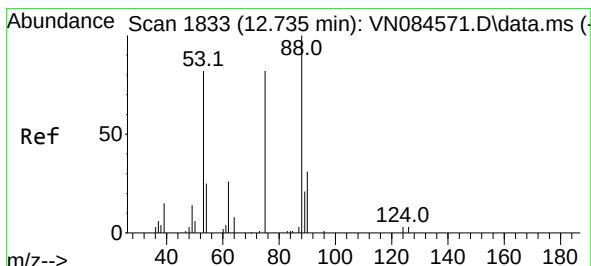
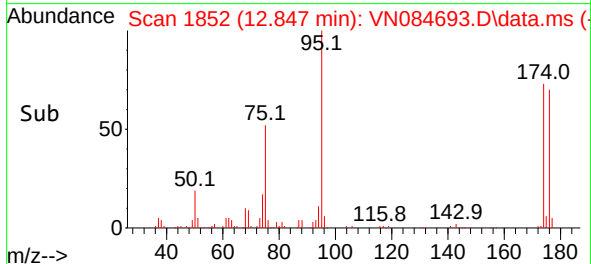
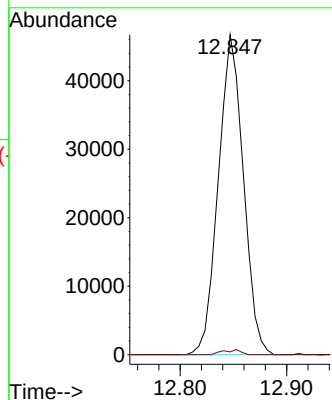
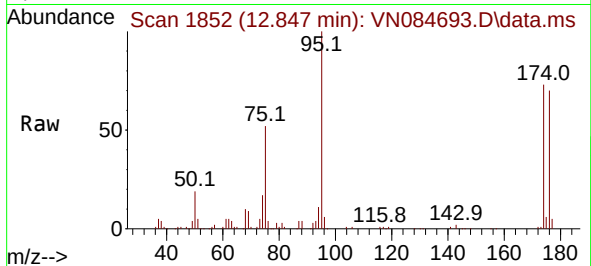




#76
1,2,3-Trichloropropane
Concen: 29.581 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

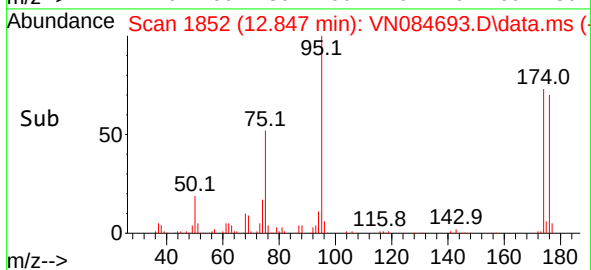
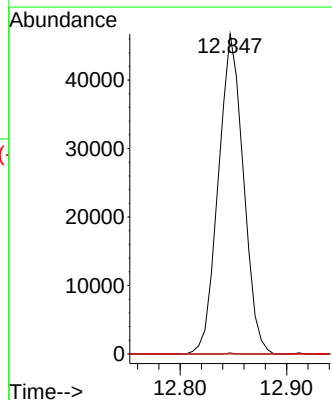
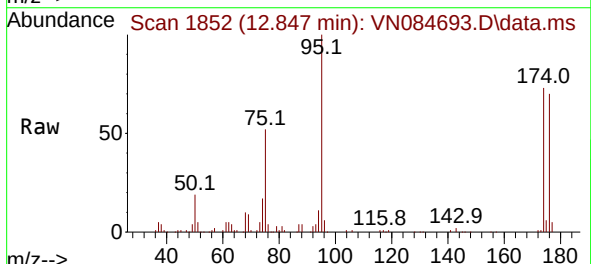
Instrument :
MSVOA_N
ClientSampleId :

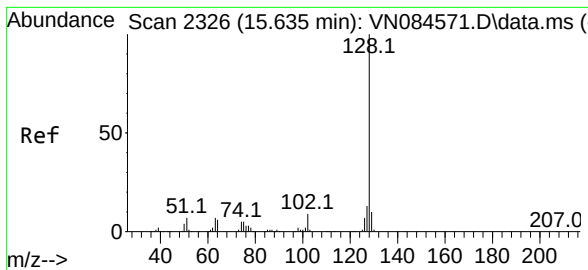
Tgt Ion: 75 Resp: 76222
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.179 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

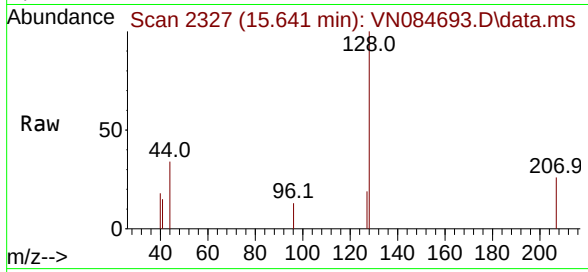
Tgt Ion: 75 Resp: 76222
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 0.264 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084693.D
Acq: 05 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1967
Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.5	15.7#
129	0.0	8.7	13.1#

