

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084771.D
 Acq On : 11 Nov 2024 14:54
 Operator : JC\MD
 Sample : P4722-12RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:32:21 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)

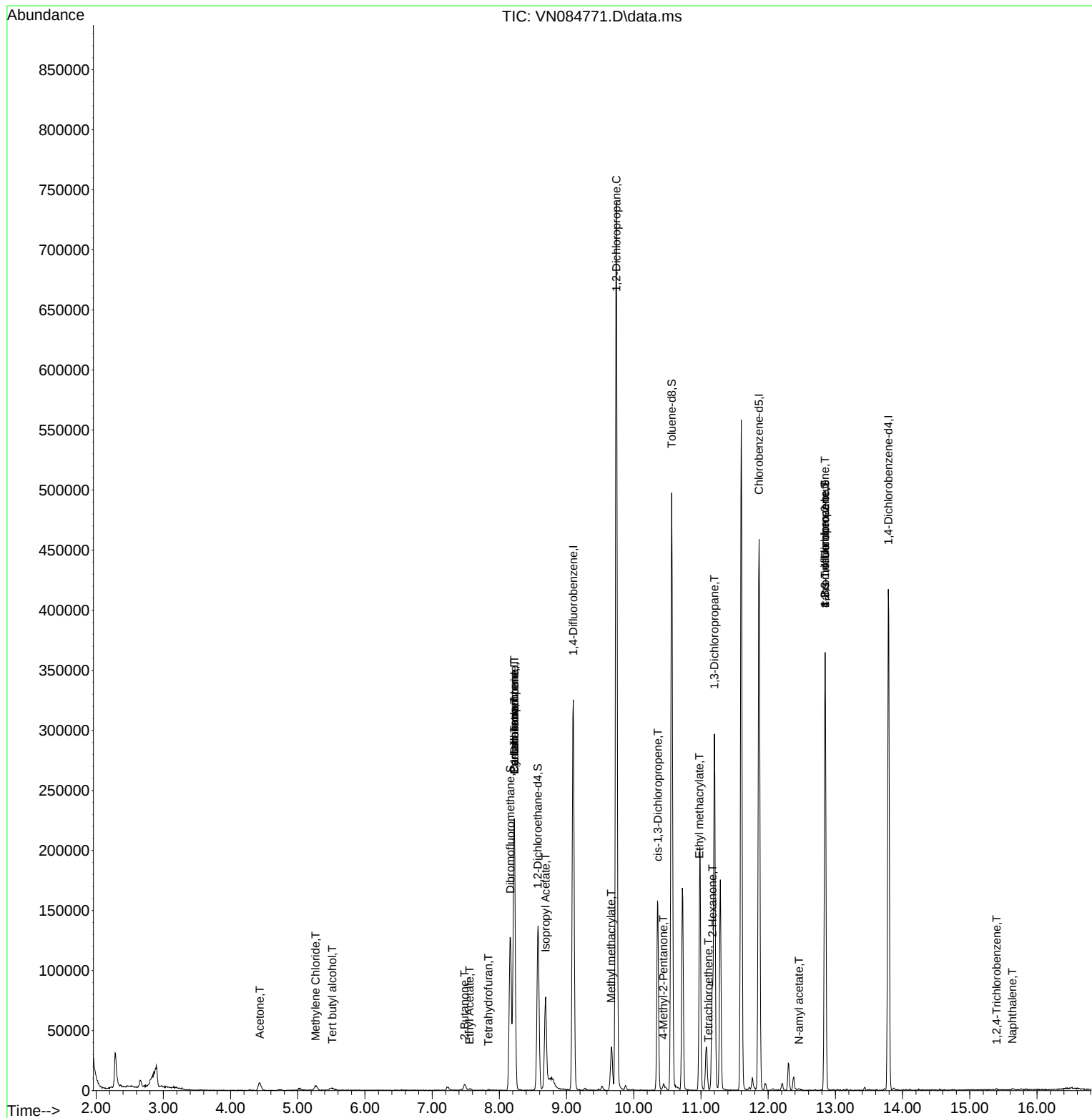
Internal Standards						
1) Pentafluorobenzene	8.224	168	166359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115053	47.883	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.760%		
35) Dibromofluoromethane	8.165	113	94697	48.996	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	10.565	98	339482	47.682	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.360%		
62) 4-Bromofluorobenzene	12.847	95	128719	48.375	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.760%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	518	Below Cal	#	41
6) Chloroethane	3.177	64	228	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	2066	6.514	ug/l #	73
16) Acetone	4.436	43	12855	15.849	ug/l	91
18) Methyl Acetate	5.036	43	2935	Below Cal	#	79
20) Methylene Chloride	5.265	84	3108	1.471	ug/l	95
25) 2-Butanone	7.483	43	8997	8.026	ug/l #	89
29) Tetrahydrofuran	7.835	42	221	0.297	ug/l #	34
31) Cyclohexane	8.224	56	3315	0.999	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13681	5.104	ug/l #	52
37) Ethyl Acetate	7.559	43	2476	1.018	ug/l #	75
38) Carbon Tetrachloride	8.224	117	17946	5.990	ug/l #	16
43) Isopropyl Acetate	8.688	43	91078	19.686	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	978	0.484	ug/l #	44
48) Methyl methacrylate	9.665	41	2498	1.320	ug/l #	41
51) 4-Methyl-2-Pentanone	10.441	43	2621	1.131	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	29331	8.913	ug/l #	61
56) Ethyl methacrylate	10.976	69	847	0.309	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3256	1.000	ug/l #	42
59) 2-Hexanone	11.171	43	70195	41.596	ug/l #	24
64) Tetrachloroethene	11.112	164	457	0.258	ug/l #	65
74) N-amyl acetate	12.459	43	1333	0.394	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	66088	29.161	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66088	69.181	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	744	Below Cal	#	14
93) 1,2,4-Trichlorobenzene	15.400	180	572	0.261	ug/l #	64
95) Naphthalene	15.635	128	1573	0.240	ug/l #	82

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

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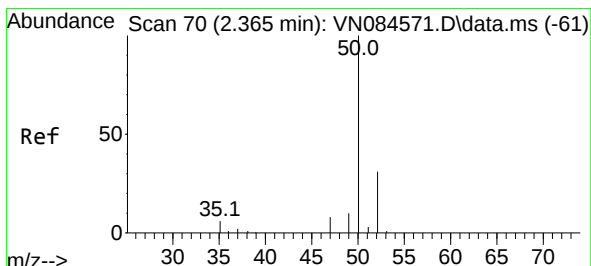
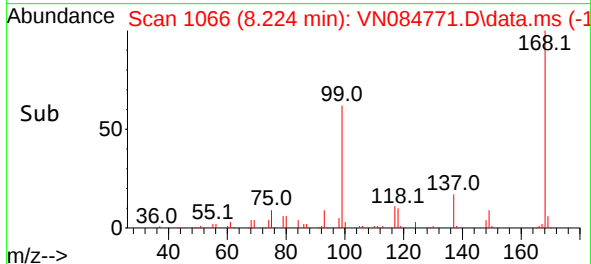
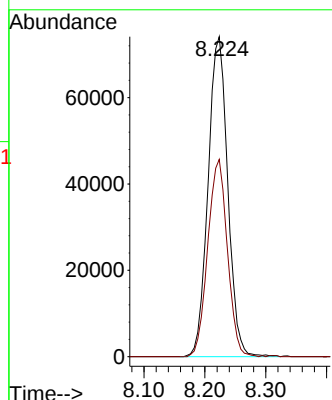
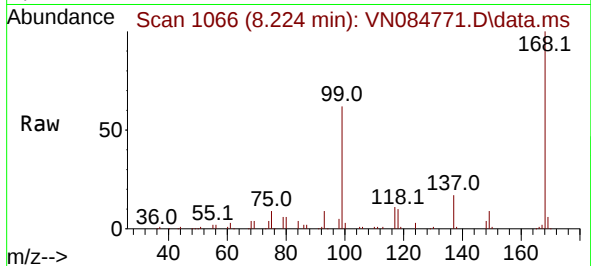




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

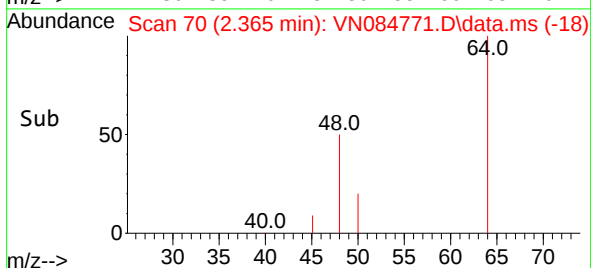
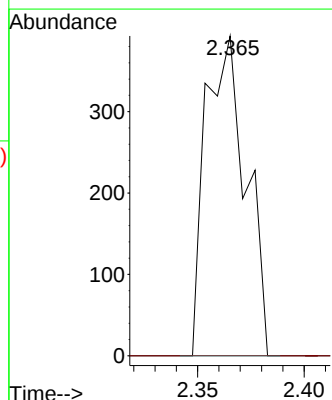
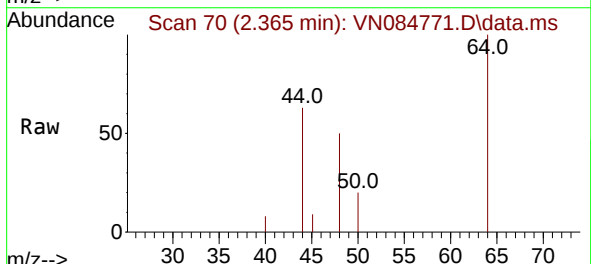
Instrument :
MSVOA_N
ClientSampleId :

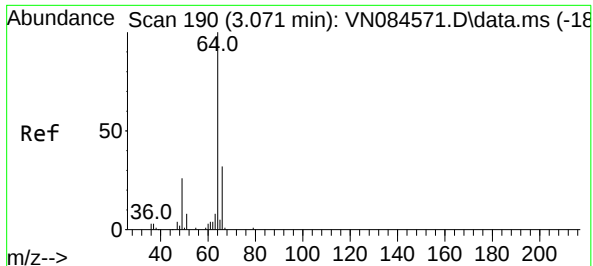
Tgt Ion:168 Resp: 166359
Ion Ratio Lower Upper
168 100
99 61.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

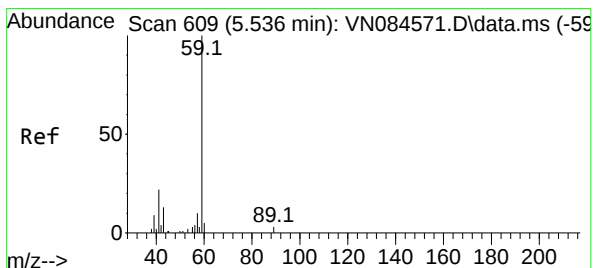
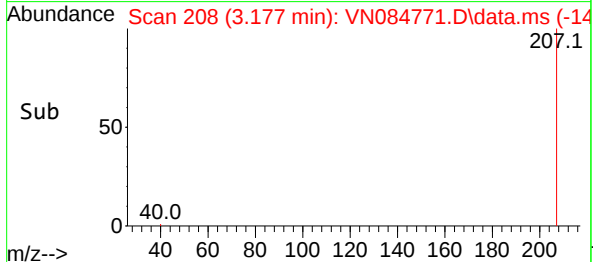
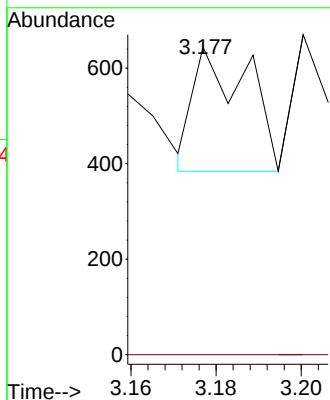
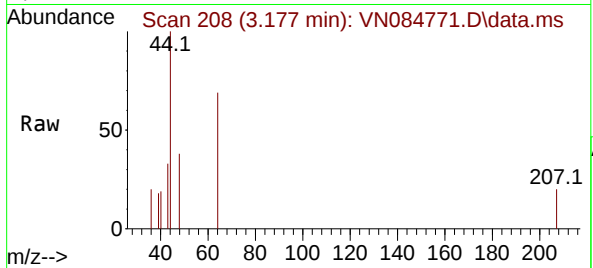




#6
Chloroethane
Concen: Below Cal
RT: 3.177 min Scan# 208
Delta R.T. 0.059 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

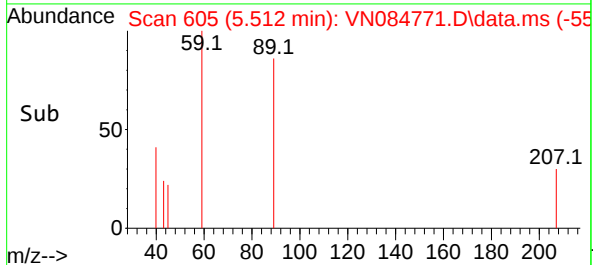
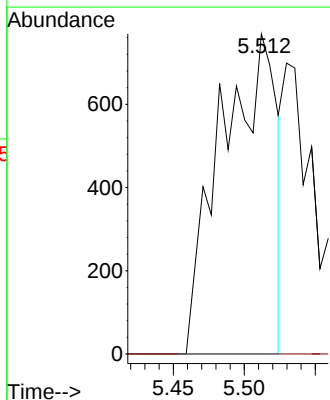
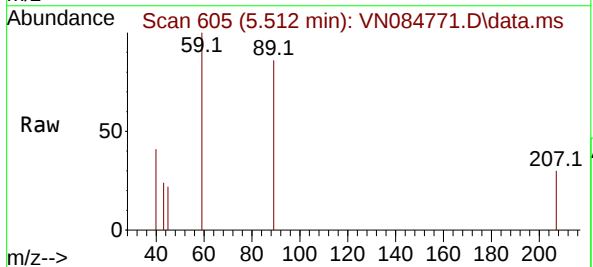
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 228
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.514 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion: 59 Resp: 2066
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

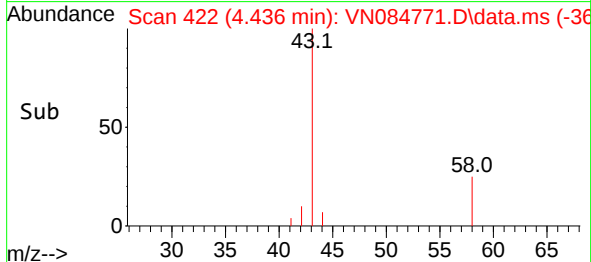
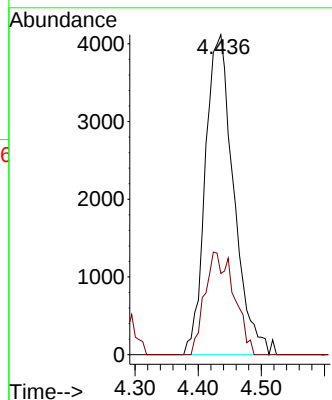
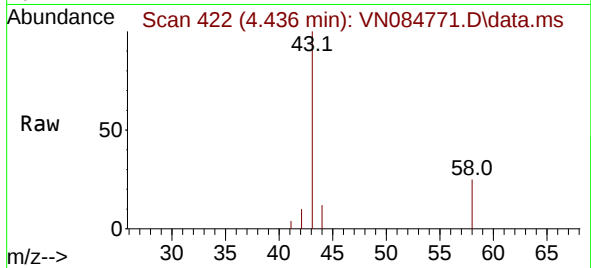




#16
Acetone
Concen: 15.849 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

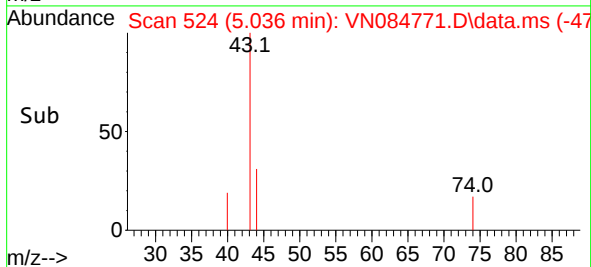
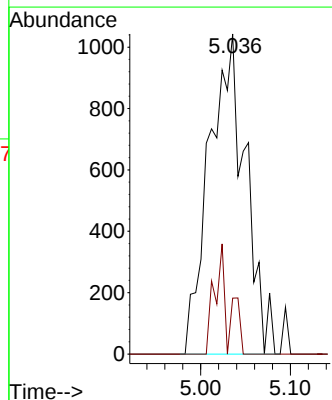
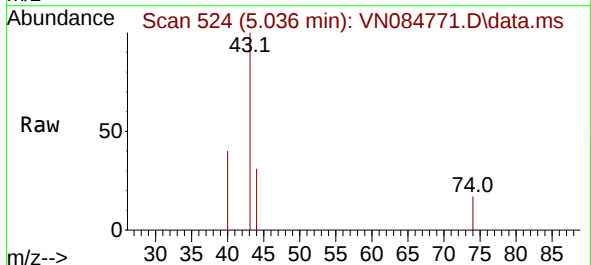
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 12855
Ion Ratio Lower Upper
43 100
58 25.4 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

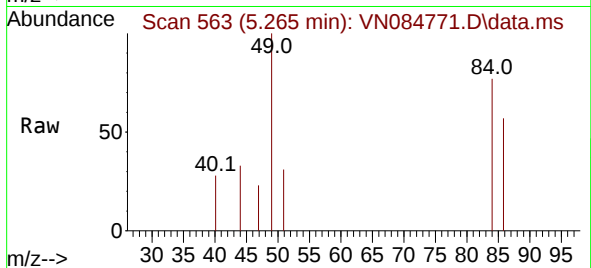
Tgt Ion: 43 Resp: 2935
Ion Ratio Lower Upper
43 100
74 13.5 19.2 28.8#



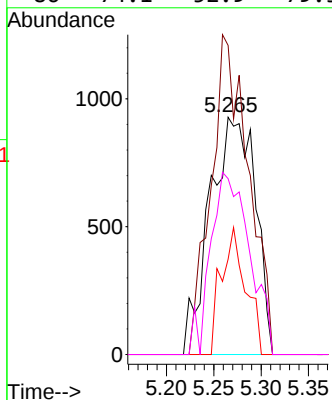
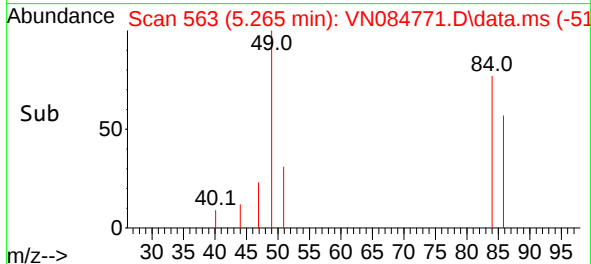


#20
Methylene Chloride
Concen: 1.471 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Instrument :
MSVOA_N
ClientSampleId :

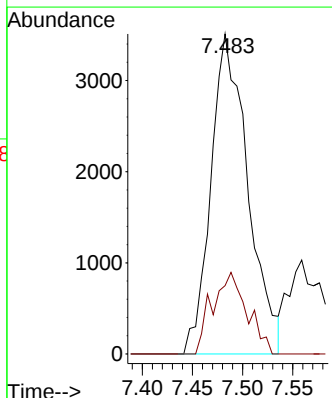
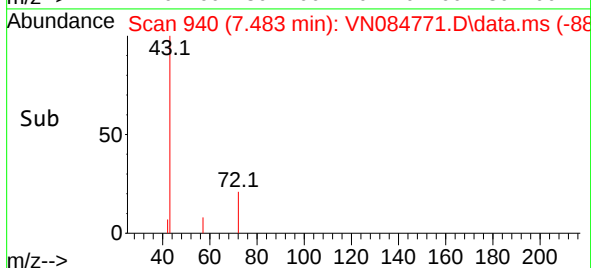
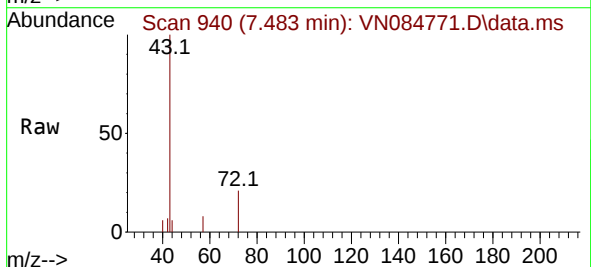


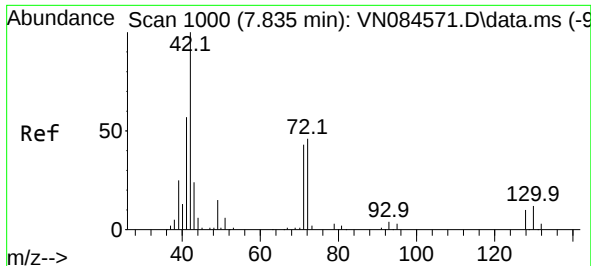
Tgt Ion:	84	Resp:	3108
Ion	Ratio	Lower	Upper
84	100		
49	130.3	107.2	160.8
51	40.2	31.8	47.8
86	74.1	52.9	79.3



#25
2-Butanone
Concen: 8.026 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion:	43	Resp:	8997
Ion	Ratio	Lower	Upper
43	100		
72	21.4	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.297 ug/l

RT: 7.835 min Scan# 1066

Delta R.T. -0.000 min

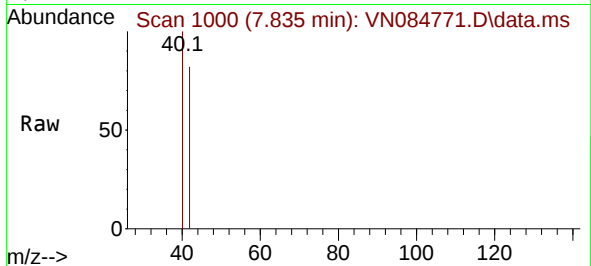
Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

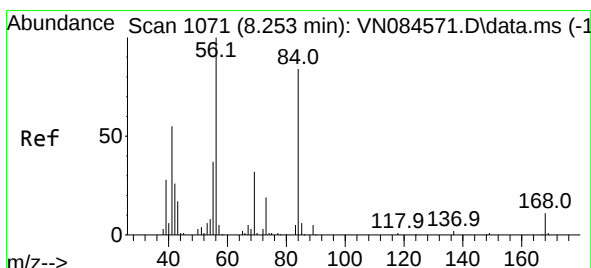
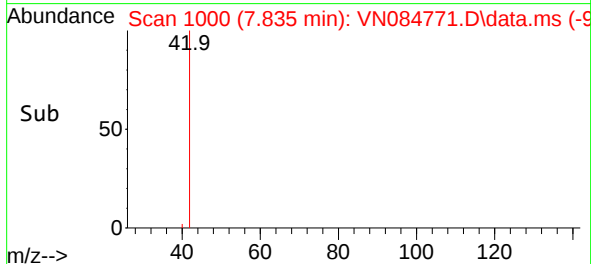
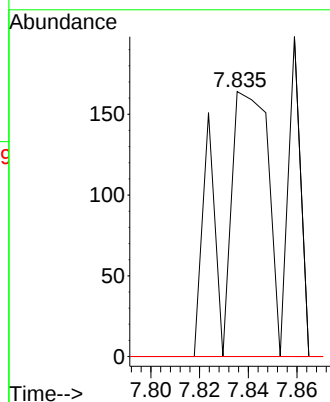
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	221
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 0.999 ug/l

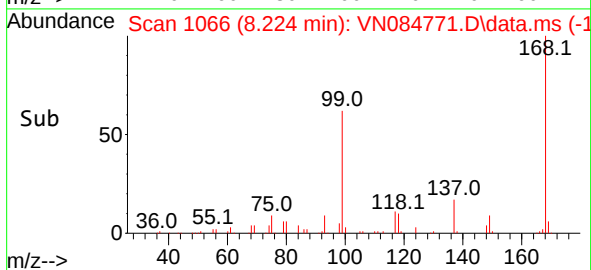
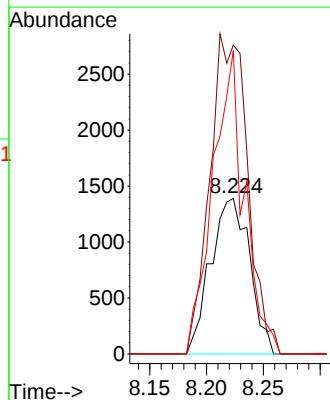
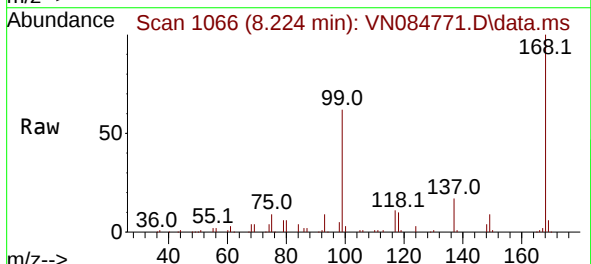
RT: 8.224 min Scan# 1066

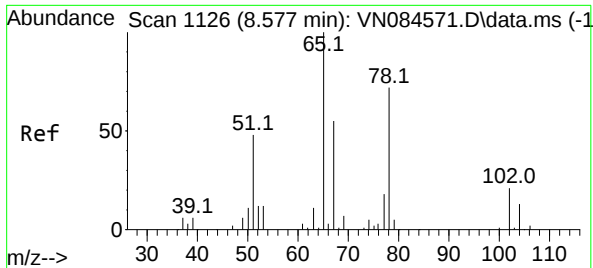
Delta R.T. -0.029 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Tgt Ion:	56	Resp:	3315
Ion	Ratio	Lower	Upper
56	100		
69	198.6	23.8	35.6#
84	195.0	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.883 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Instrument :

MSVOA_N

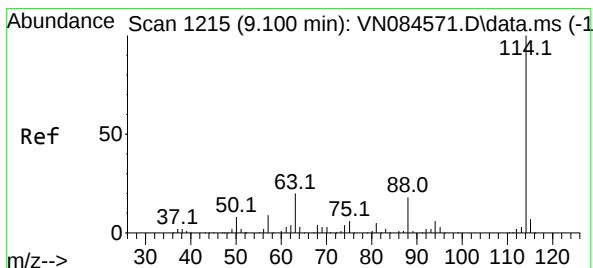
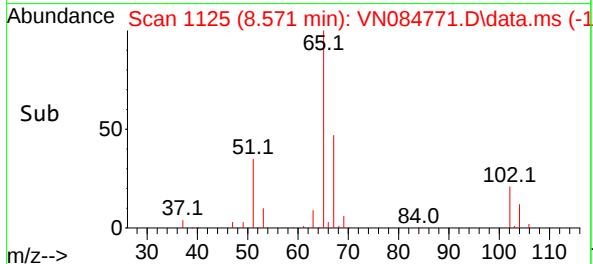
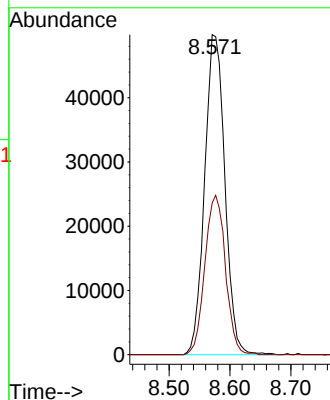
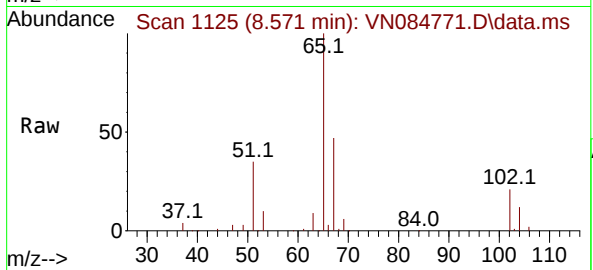
ClientSampleId :

Tgt Ion: 65 Resp: 115053

Ion Ratio Lower Upper

65 100

67 50.7 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: VN084771.D

Acq: 11 Nov 2024 14:54

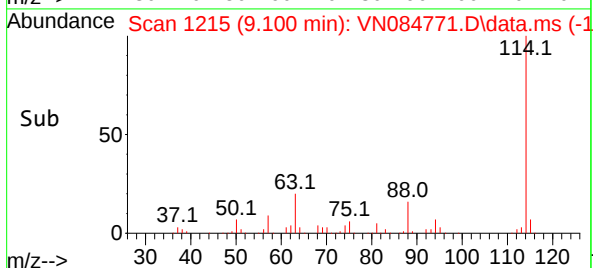
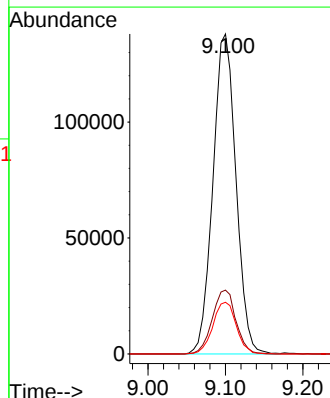
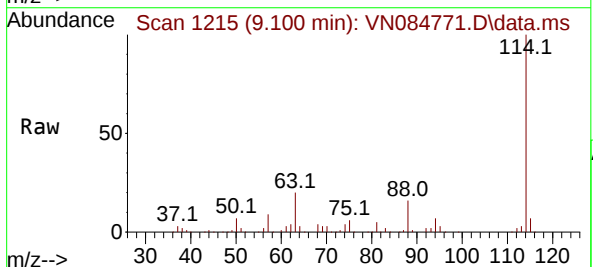
Tgt Ion: 114 Resp: 285540

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.8

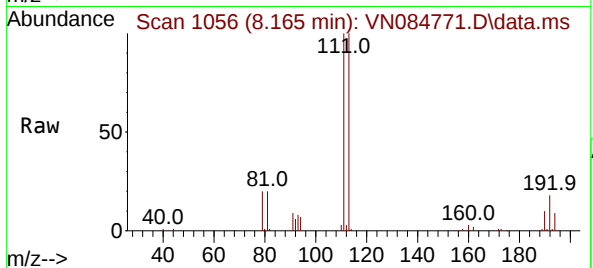
88 16.2 0.0 31.6



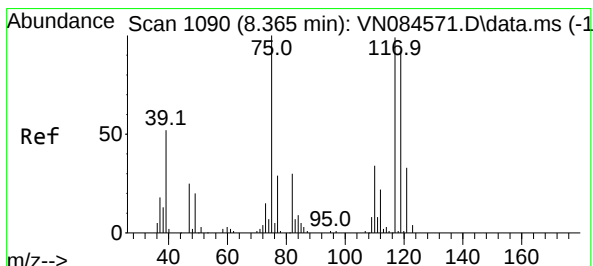
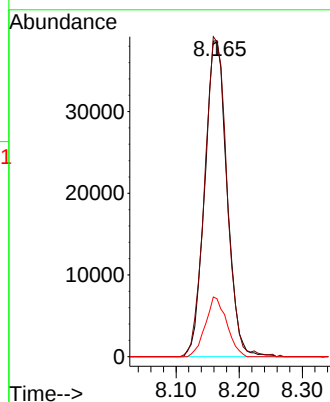
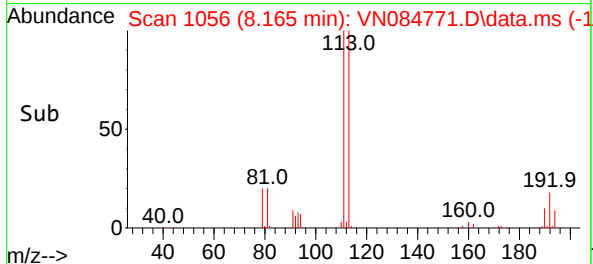


#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Instrument :
MSVOA_N
ClientSampleId :

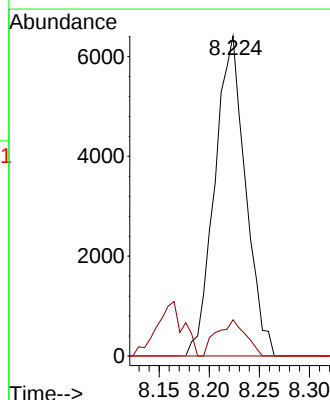
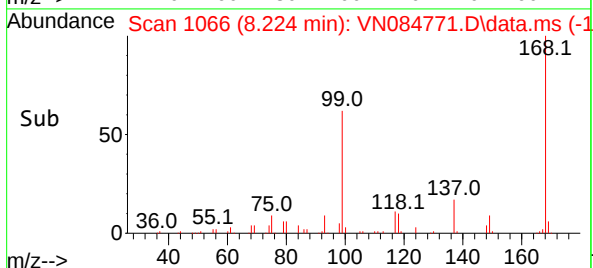
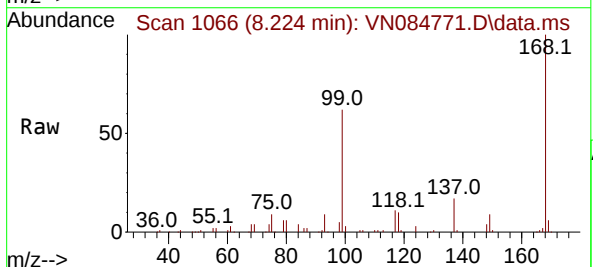


Tgt Ion:113 Resp: 94697
Ion Ratio Lower Upper
113 100
111 101.6 83.3 124.9
192 18.1 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.104 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion: 75 Resp: 13681
Ion Ratio Lower Upper
75 100
110 10.6 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.018 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

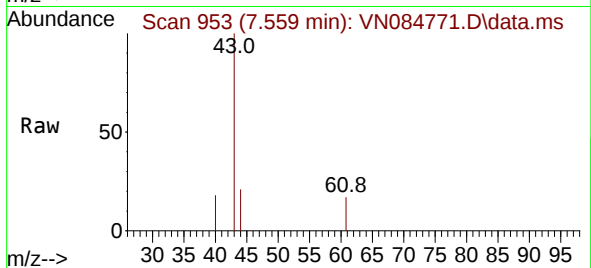
Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :



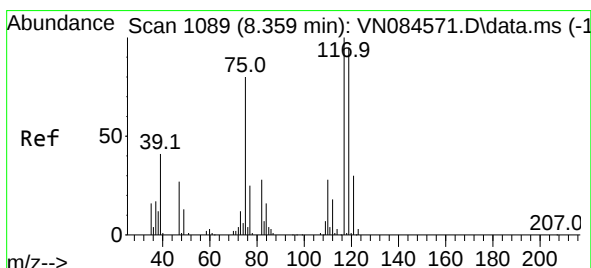
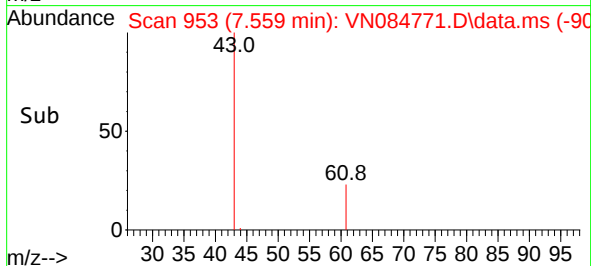
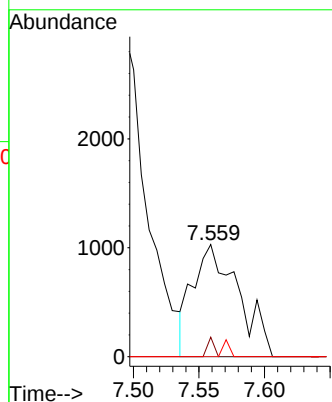
Tgt Ion: 43 Resp: 2476

Ion Ratio Lower Upper

43 100

61 2.5 10.7 16.1#

70 2.2 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

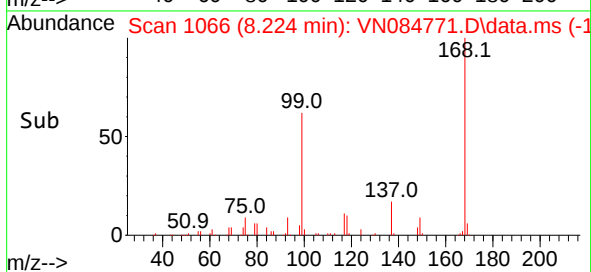
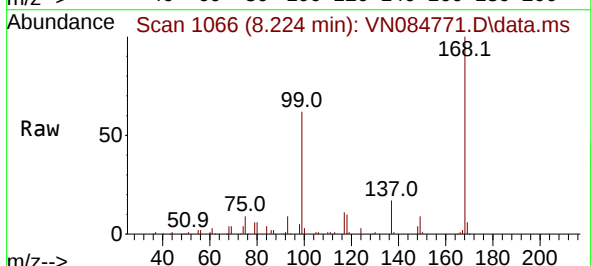
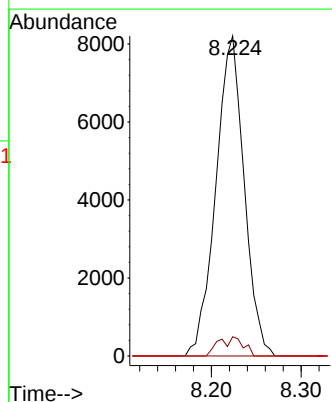
Tgt Ion: 117 Resp: 17946

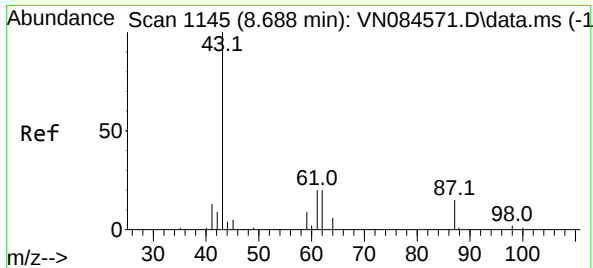
Ion Ratio Lower Upper

117 100

119 6.0 78.7 118.1#

121 0.0 24.4 36.6#

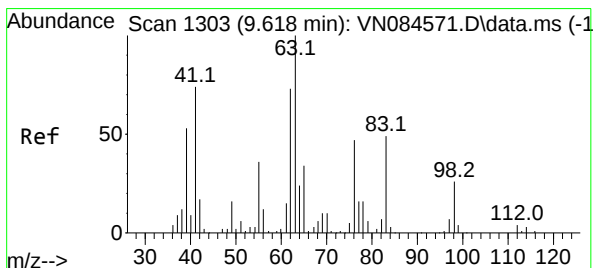
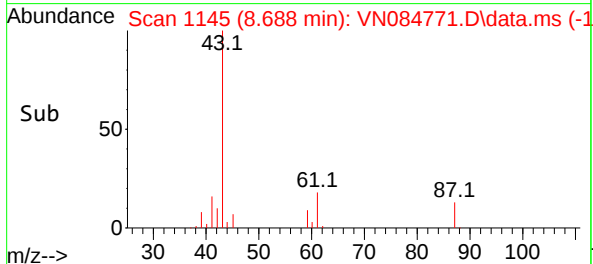
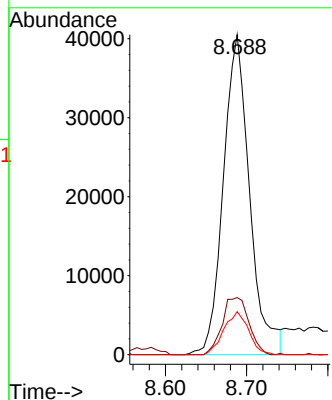
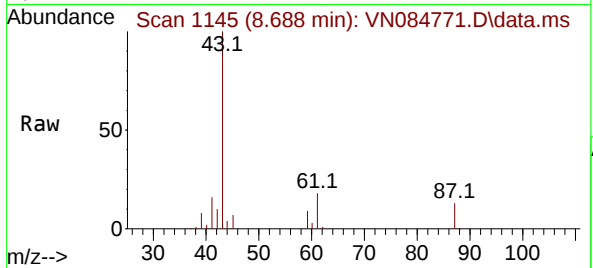




#43
Isopropyl Acetate
Concen: 19.686 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

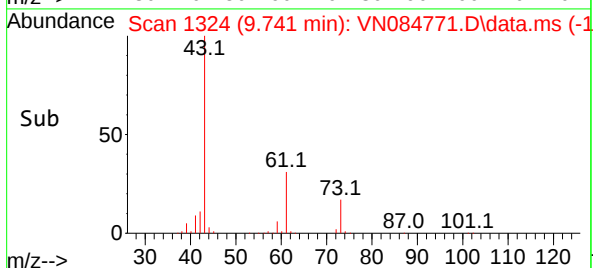
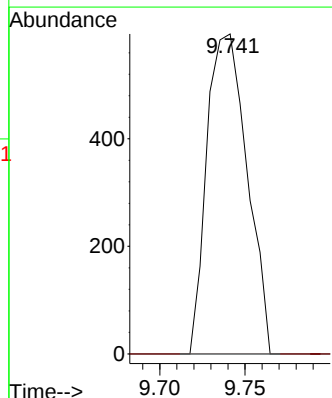
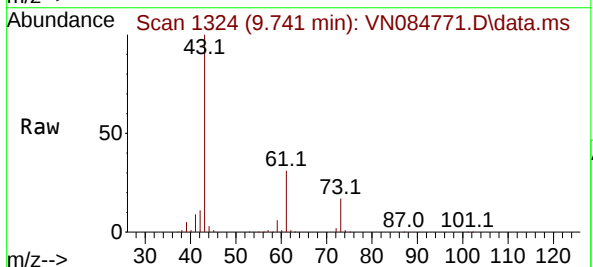
Instrument :
MSVOA_N
ClientSampleId :

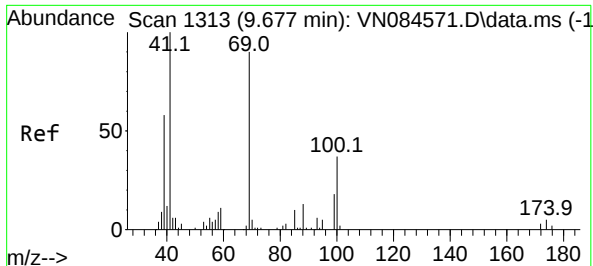
Tgt Ion: 43 Resp: 91078
Ion Ratio Lower Upper
43 100
61 18.2 20.4 30.6#
87 12.7 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.484 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion: 63 Resp: 978
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.320 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :

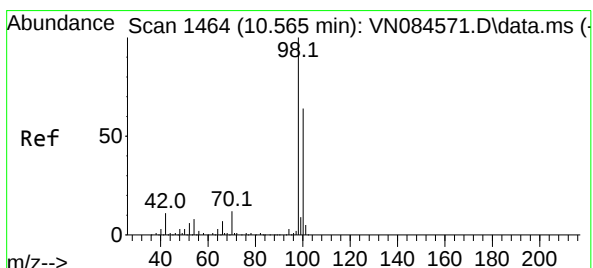
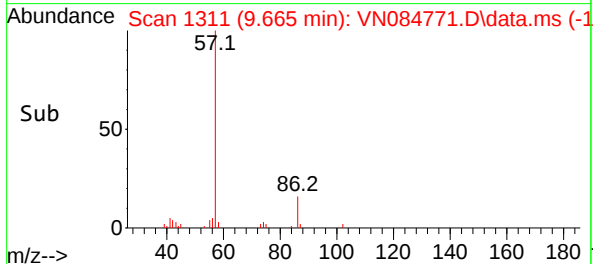
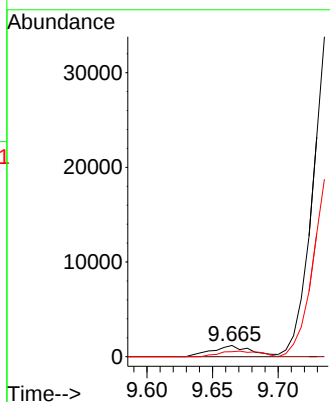
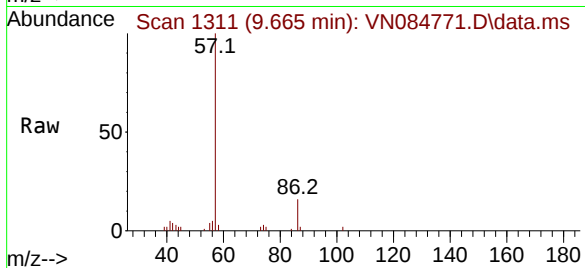
Tgt Ion: 41 Resp: 2498

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 50.8 45.8 68.6



#50

Toluene-d8

Concen: 47.682 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084771.D

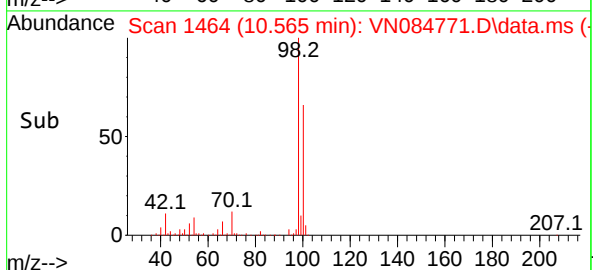
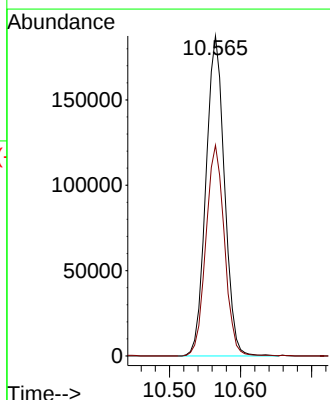
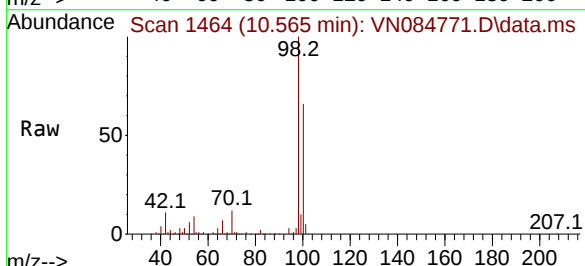
Acq: 11 Nov 2024 14:54

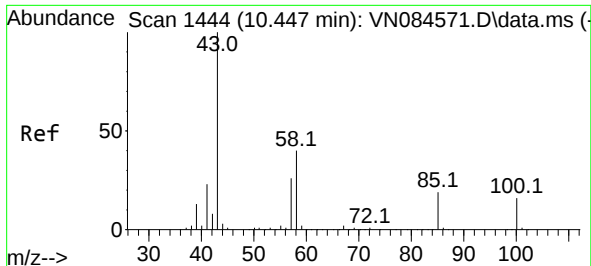
Tgt Ion: 98 Resp: 339482

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.131 ug/l

RT: 10.441 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Instrument :

MSVOA_N

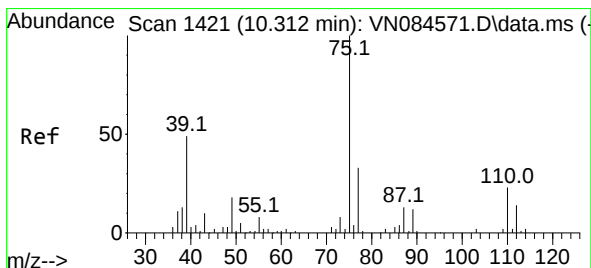
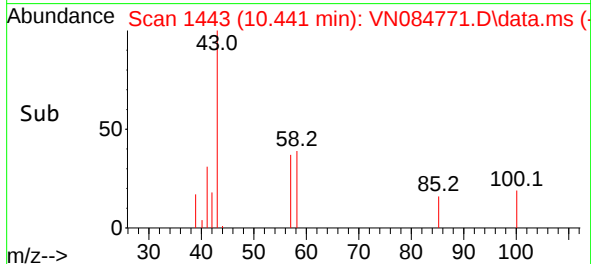
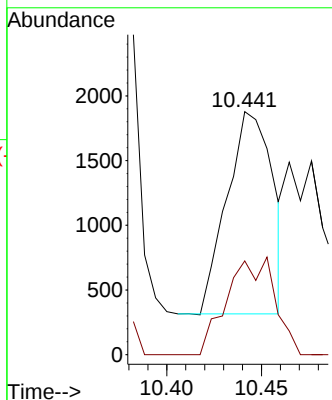
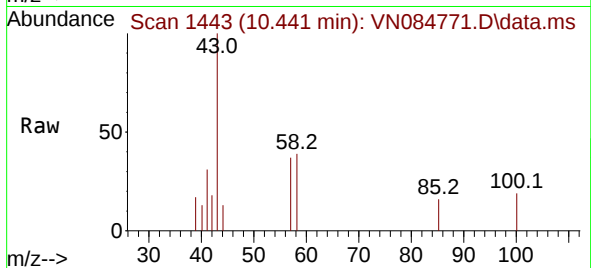
ClientSampleId :

Tgt Ion: 43 Resp: 2621

Ion Ratio Lower Upper

43 100

58 50.1 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 8.913 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

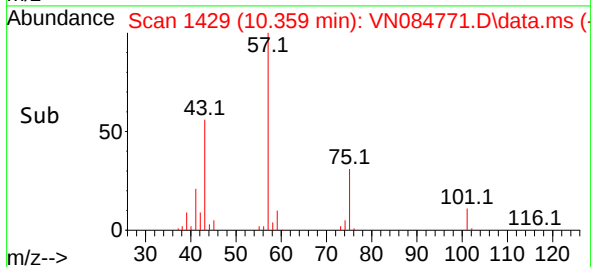
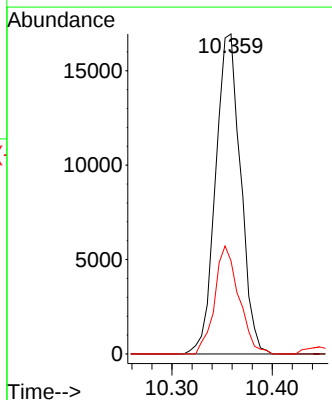
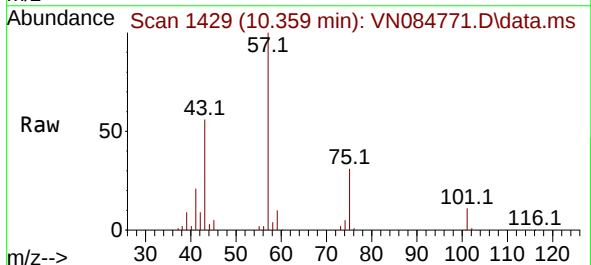
Tgt Ion: 75 Resp: 29331

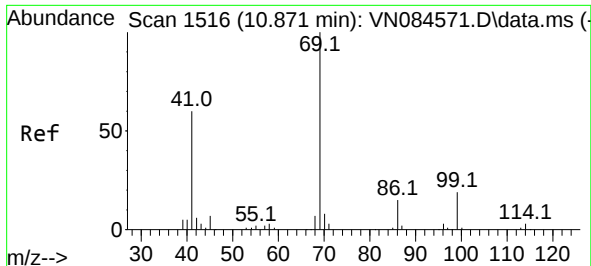
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 29.1 38.7 58.1#

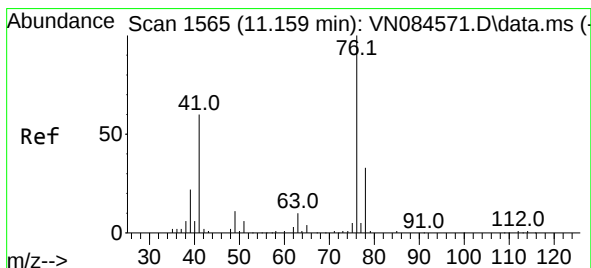
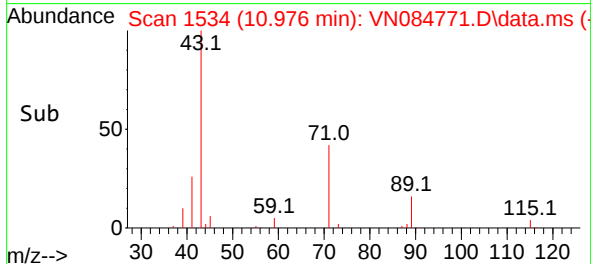
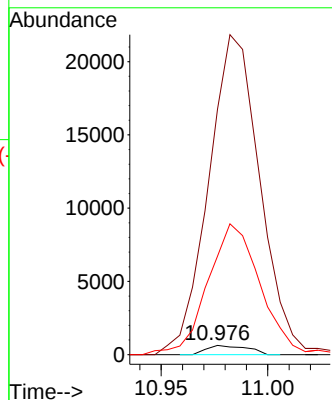
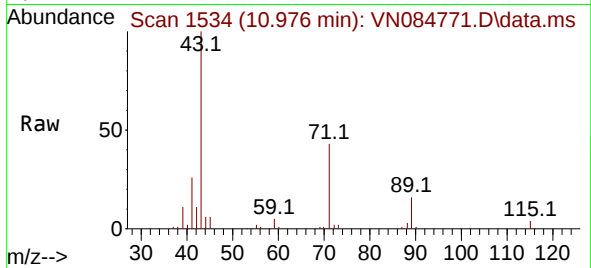




#56
Ethyl methacrylate
Concen: 0.309 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

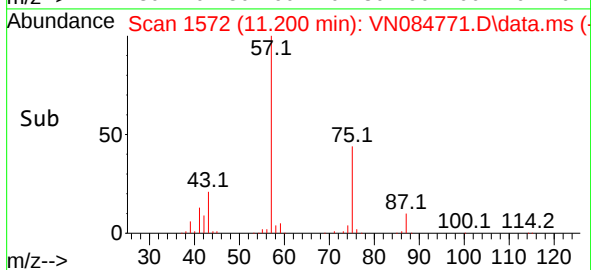
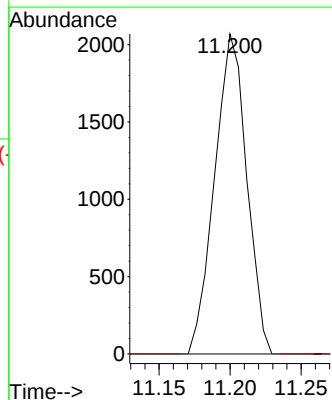
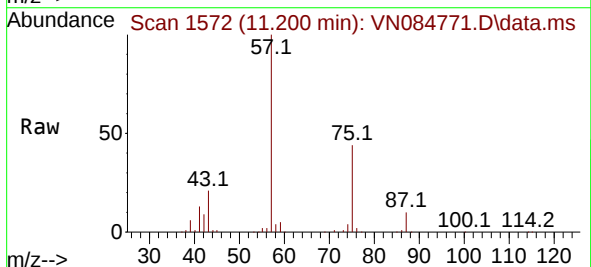
Instrument :
MSVOA_N
ClientSampleId :

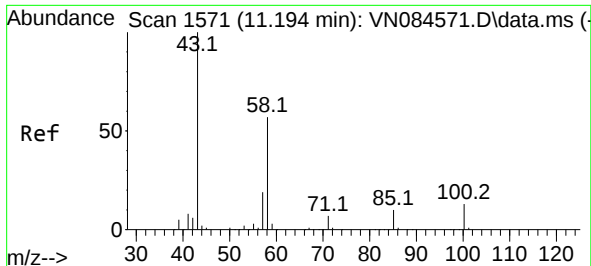
Tgt Ion: 69 Resp: 847
Ion Ratio Lower Upper
69 100
41 4356.8 53.3 79.9#
39 1821.1 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.000 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion: 76 Resp: 3256
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

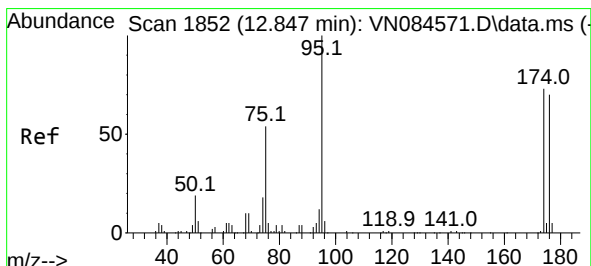
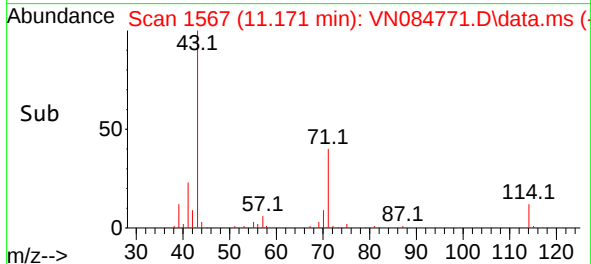
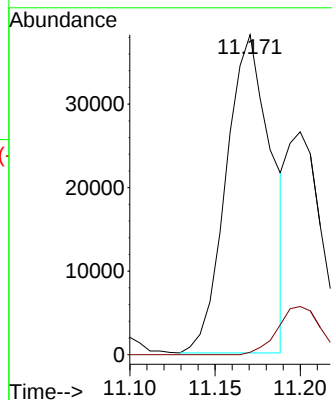
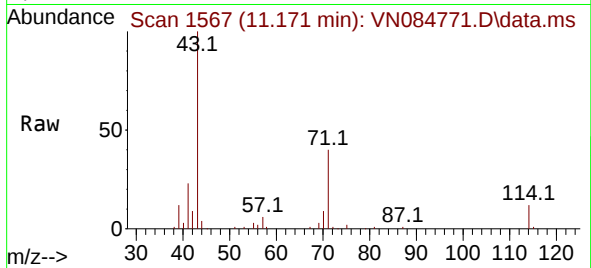




#59
2-Hexanone
Concen: 41.596 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

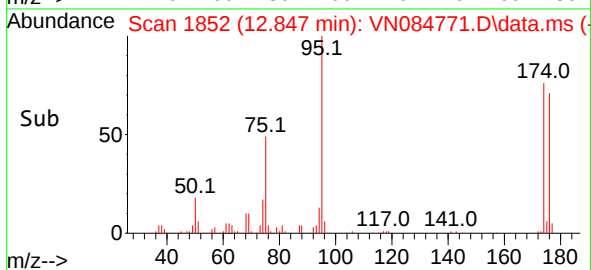
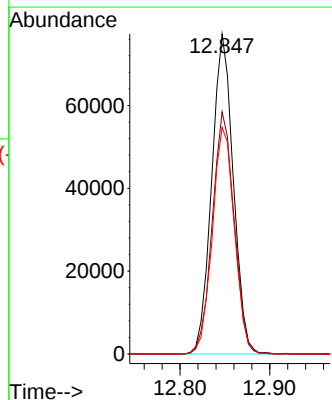
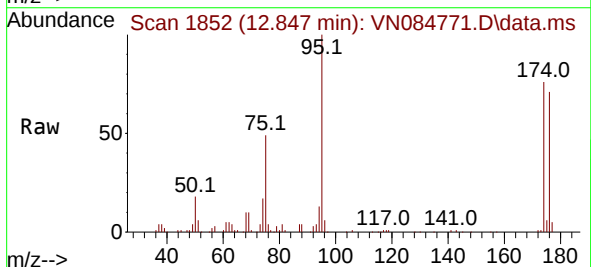
Instrument :
MSVOA_N
ClientSampleId :

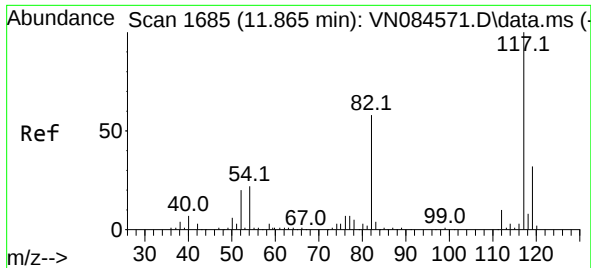
Tgt Ion: 43 Resp: 70195
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.375 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion: 95 Resp: 128719
Ion Ratio Lower Upper
95 100
174 76.4 0.0 145.2
176 72.3 0.0 140.0

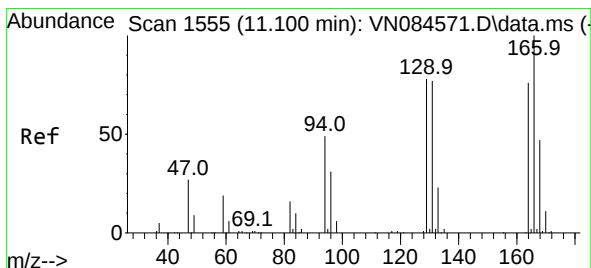
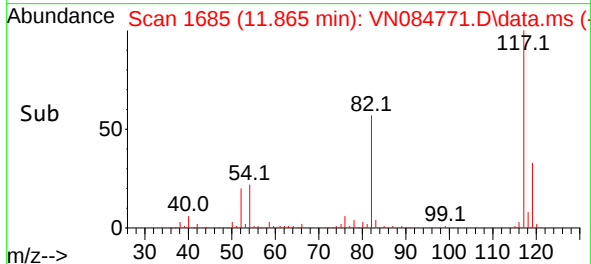
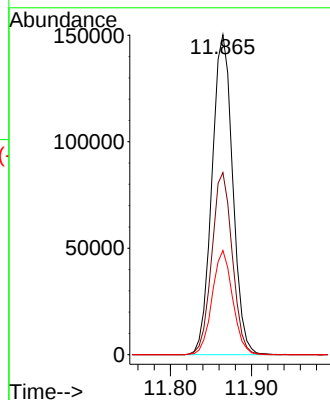
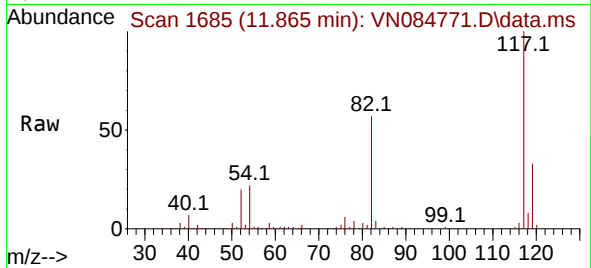




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

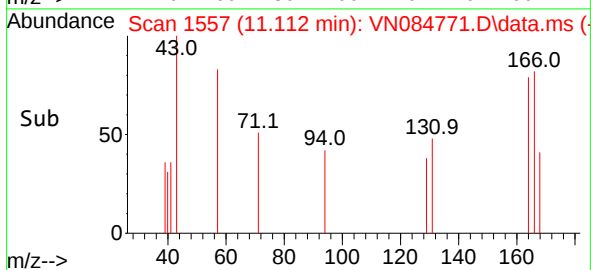
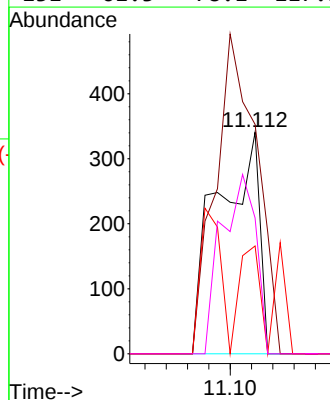
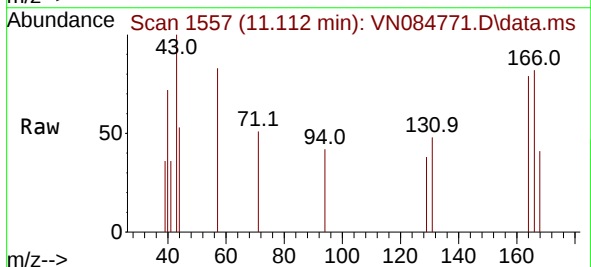
Instrument :
MSVOA_N
ClientSampleId :

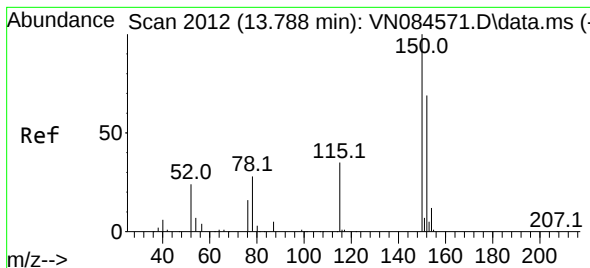
Tgt Ion:117 Resp: 266633
Ion Ratio Lower Upper
117 100
82 56.9 47.2 70.8
119 32.6 25.4 38.0



#64
Tetrachloroethene
Concen: 0.258 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.012 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

Tgt Ion:164 Resp: 457
Ion Ratio Lower Upper
164 100
166 103.5 101.0 151.4
129 48.7 80.8 121.2#
131 61.3 78.1 117.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

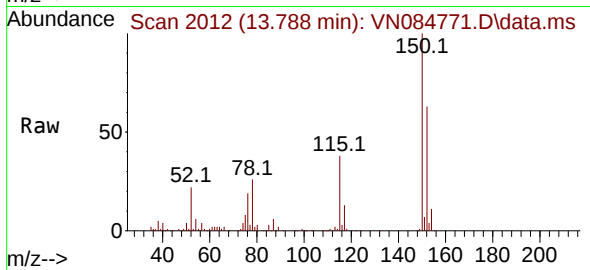
Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :



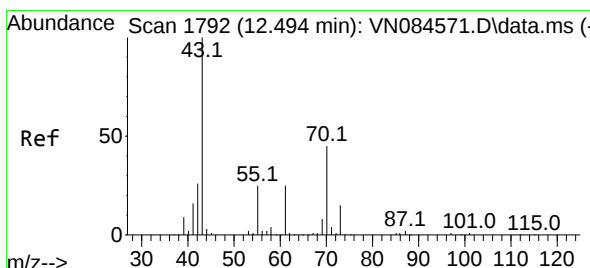
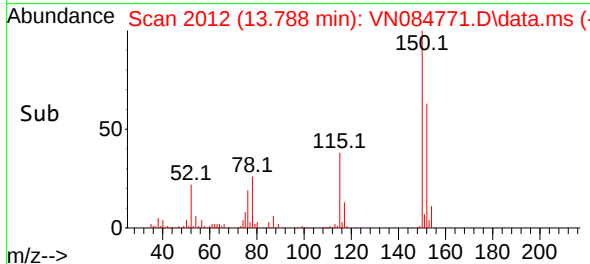
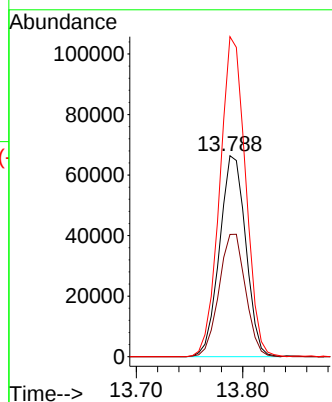
Tgt Ion:152 Resp: 113376

Ion Ratio Lower Upper

152 100

115 61.6 31.3 93.9

150 156.6 0.0 349.8



#74

N-ethyl acetate

Concen: 0.394 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN084771.D

Acq: 11 Nov 2024 14:54

Tgt Ion: 43 Resp: 1333

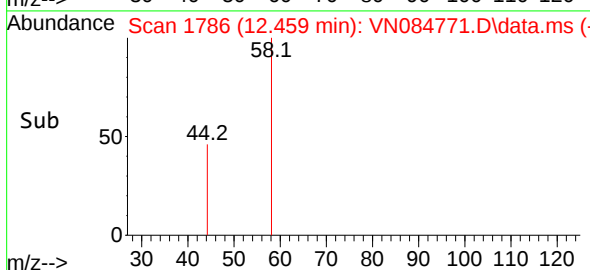
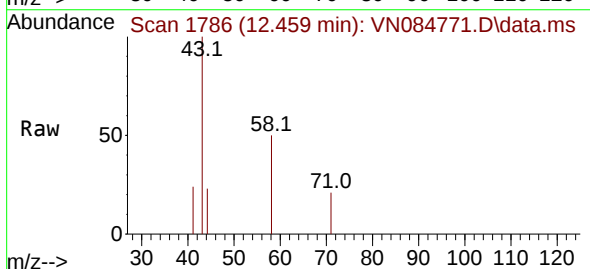
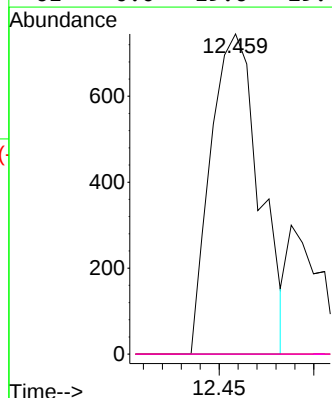
Ion Ratio Lower Upper

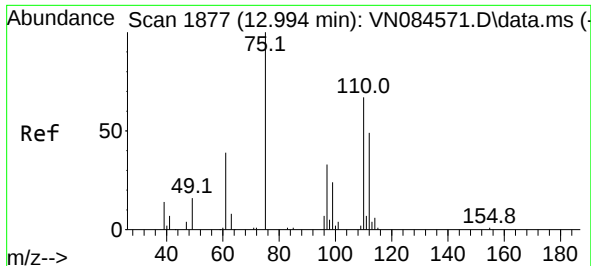
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#

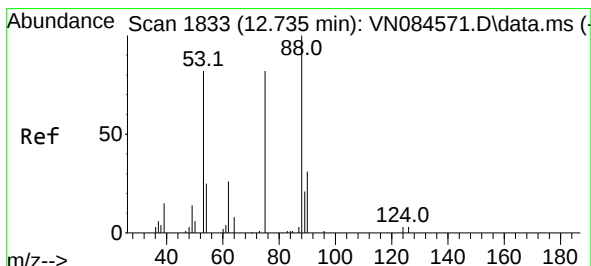
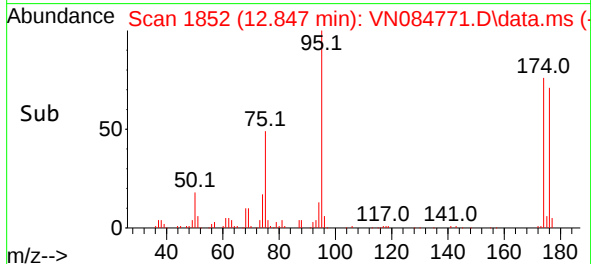
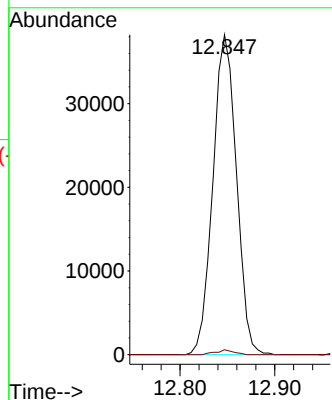
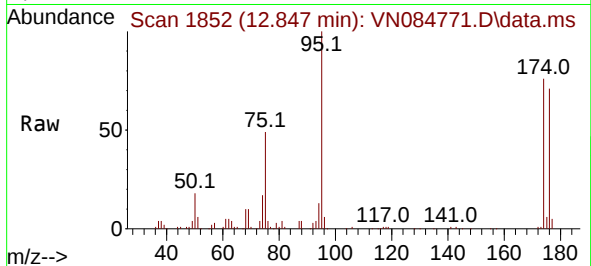




#76
1,2,3-Trichloropropane
Concen: 29.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

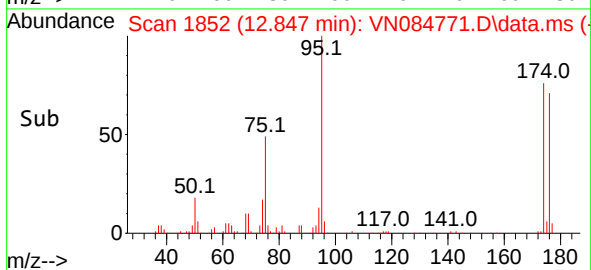
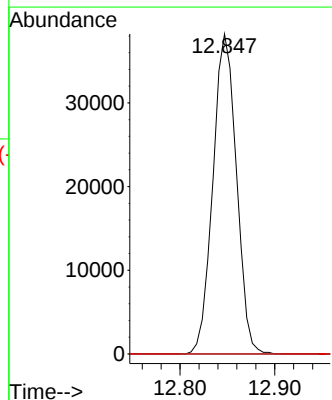
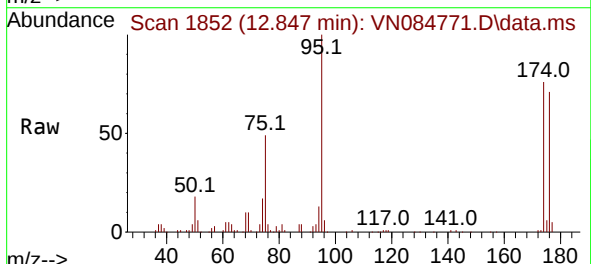
Instrument :
MSVOA_N
ClientSampleId :

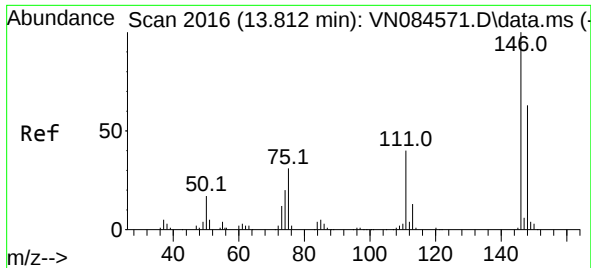
Tgt Ion: 75 Resp: 66088
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.181 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

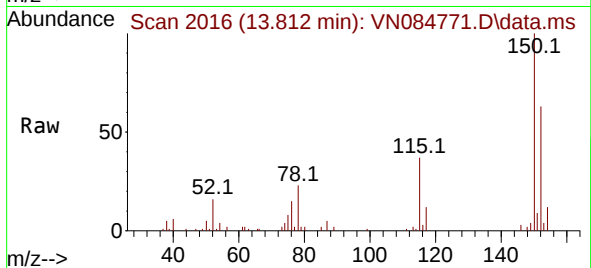
Tgt Ion: 75 Resp: 66088
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



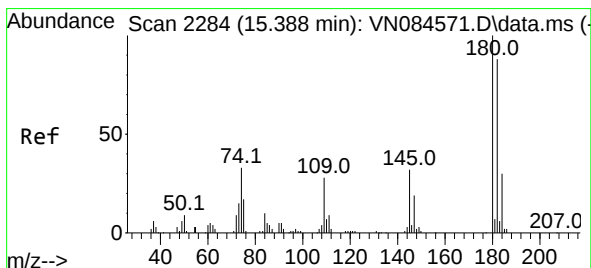
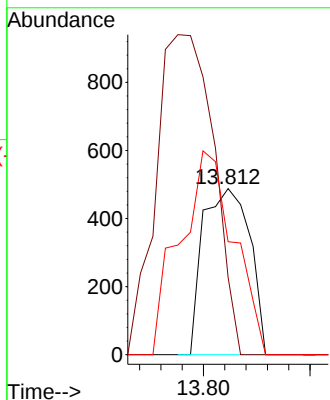
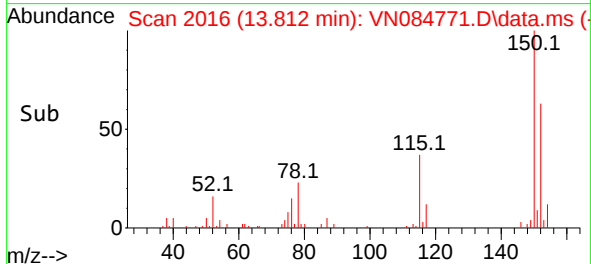


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54

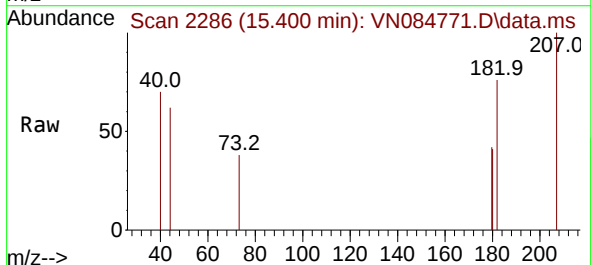
Instrument :
MSVOA_N
ClientSampleId :



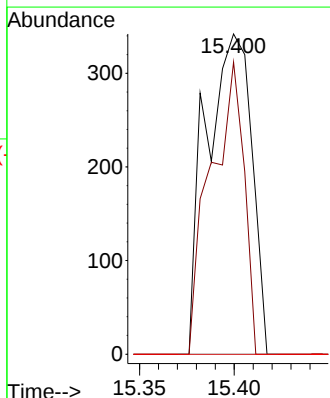
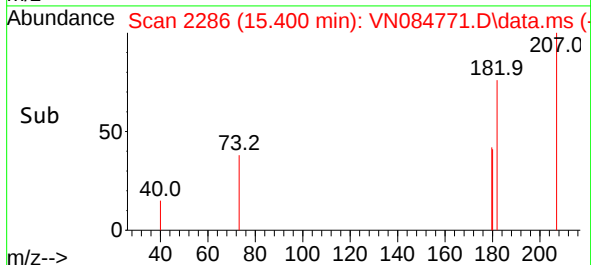
Tgt Ion:146 Resp: 744
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 141.4 31.9 95.9#

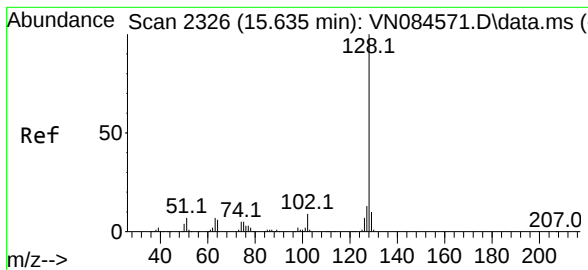


#93
1,2,4-Trichlorobenzene
Concen: 0.261 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN084771.D
Acq: 11 Nov 2024 14:54



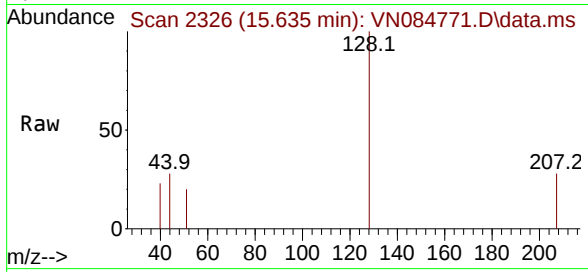
Tgt Ion:180 Resp: 572
Ion Ratio Lower Upper
180 100
182 66.6 47.0 141.0
145 0.0 16.4 49.4#





#95
 Naphthalene
 Concen: 0.240 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084771.D
 Acq: 11 Nov 2024 14:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	1573
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.5	15.7#
129	0.0	8.7	13.1#

