

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
 Data File : VN084630.D
 Acq On : 01 Nov 2024 11:29
 Operator : JC\MD
 Sample : VN1101WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 04:23:48 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)

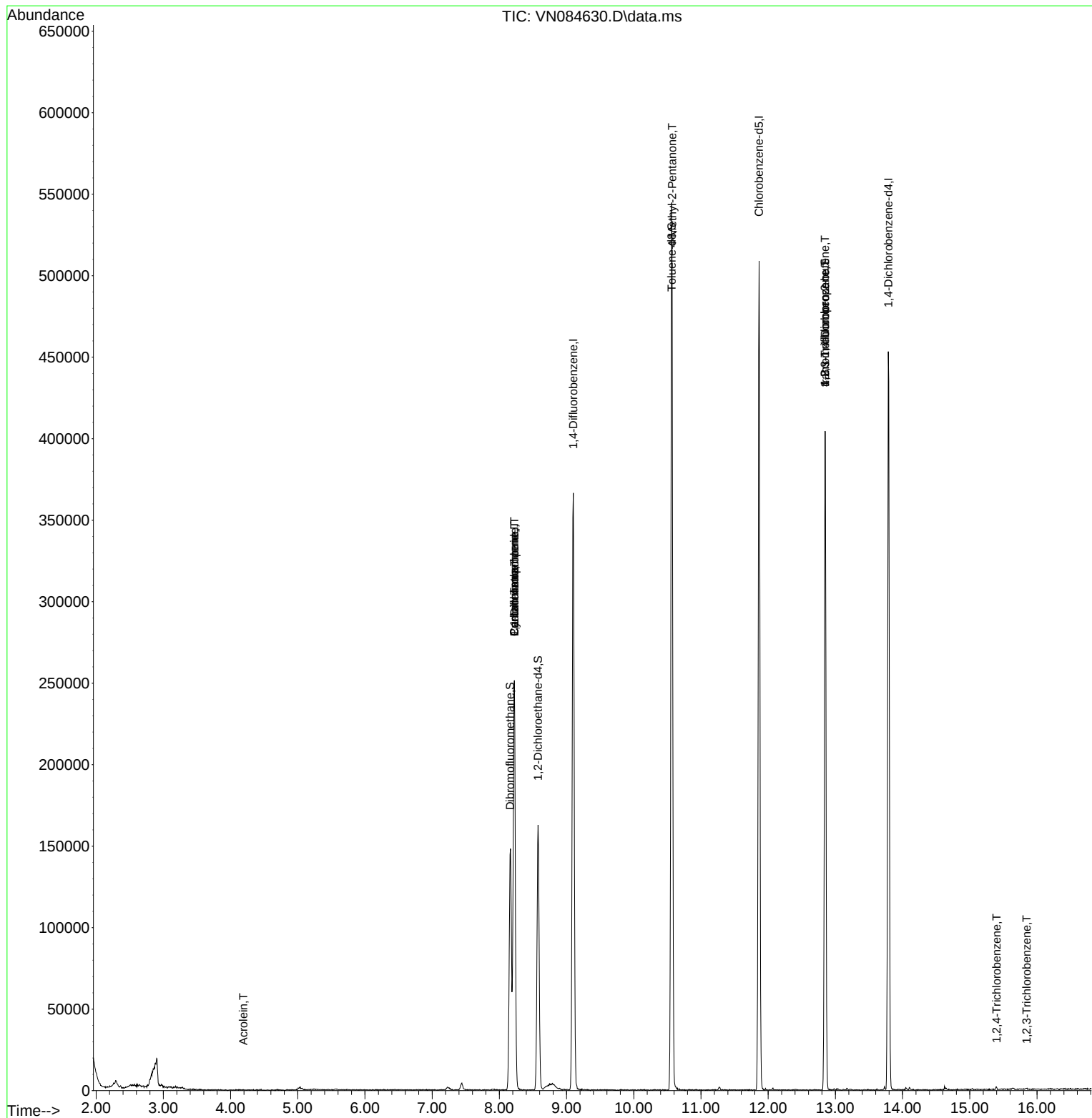
Internal Standards						
1) Pentafluorobenzene	8.224	168	180035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	134085	51.565	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.120%			
35) Dibromofluoromethane	8.159	113	107465	49.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.565	98	376240	47.365	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.740%			
62) 4-Bromofluorobenzene	12.847	95	139006	46.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	589	Below Cal	#	74
6) Chloroethane	3.124	64	305	Below Cal	#	45
13) Acrolein	4.189	56	71	0.207	ug/l #	14
16) Acetone	4.453	43	82	Below Cal	#	44
18) Methyl Acetate	5.024	43	1585	Below Cal		91
31) Cyclohexane	8.224	56	4216	1.174	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	14951	4.999	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19793	5.921	ug/l #	16
43) Isopropyl Acetate	8.694	43	1862	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.570	43	1518	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72294	28.780	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72294	68.277	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	1162	Below Cal	#	56
93) 1,2,4-Trichlorobenzene	15.400	180	531	0.219	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	583	0.247	ug/l #	34

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

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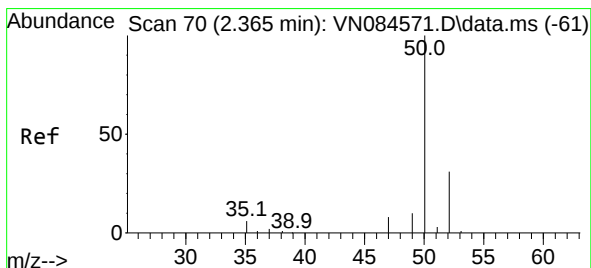
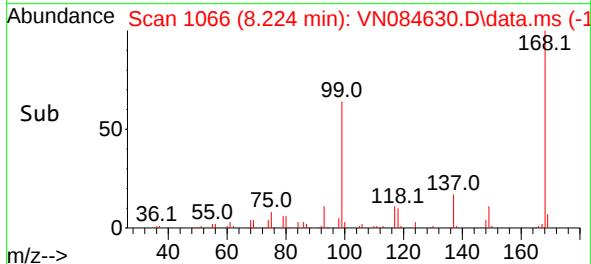
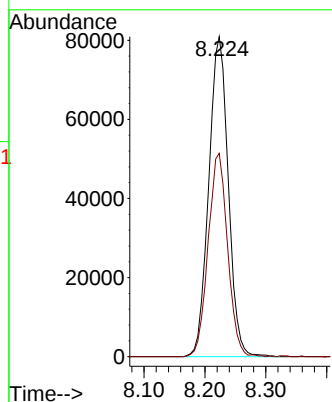
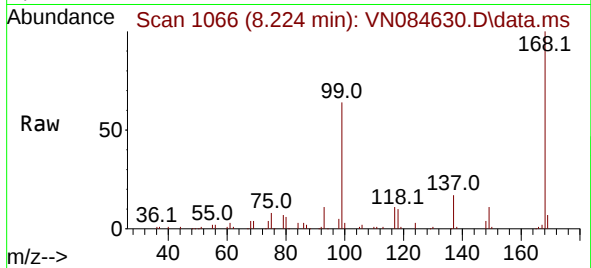




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

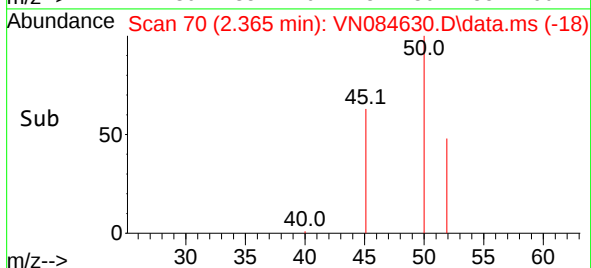
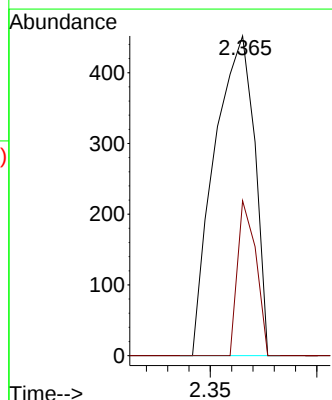
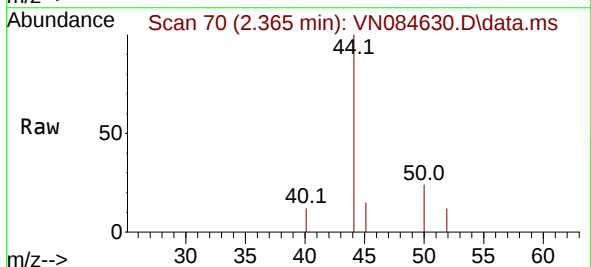
Instrument :
MSVOA_N
ClientSampleId :

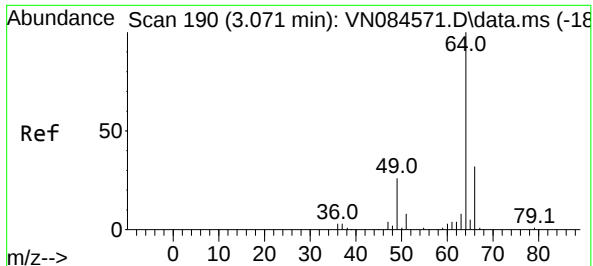
Tgt Ion:168 Resp: 180035
Ion Ratio Lower Upper
168 100
99 63.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion: 50 Resp: 589
Ion Ratio Lower Upper
50 100
52 48.5 26.8 40.2#

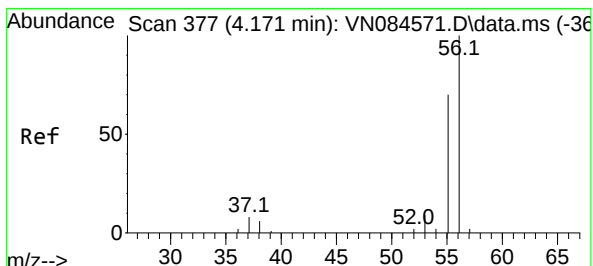
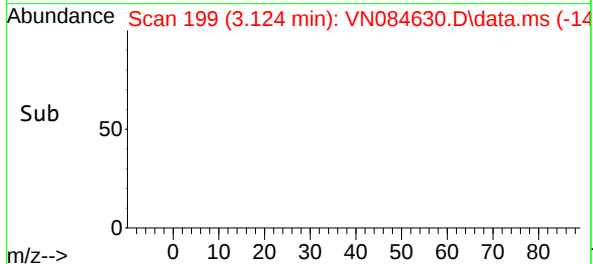
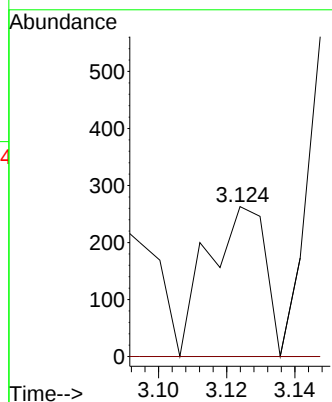
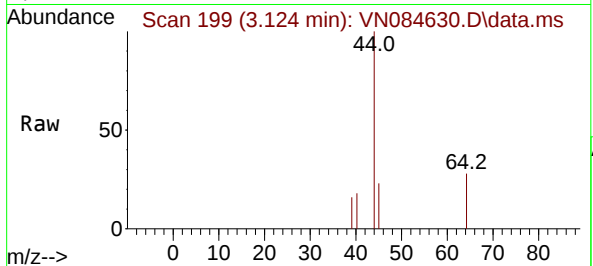




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

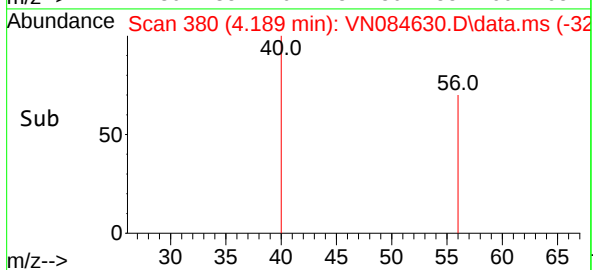
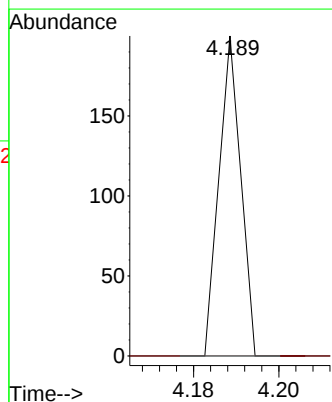
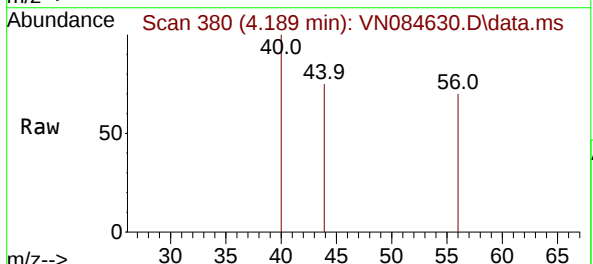
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 305
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#13
Acrolein
Concen: 0.207 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#

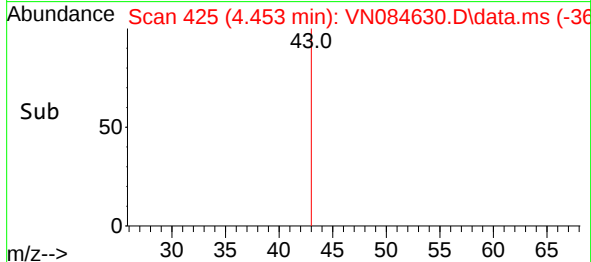
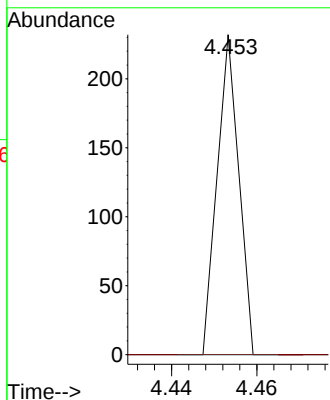
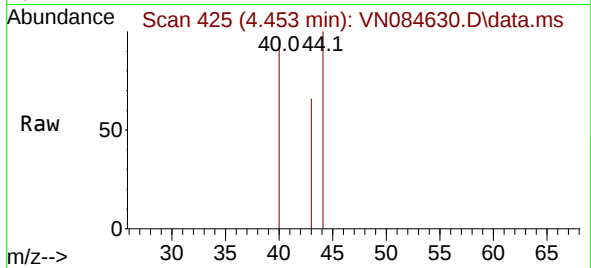




#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

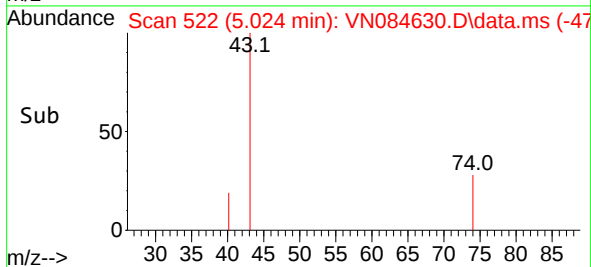
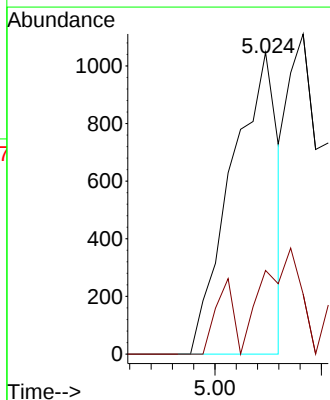
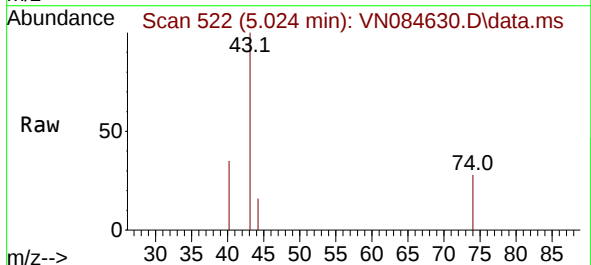
Instrument :
MSVOA_N
ClientSampleId :

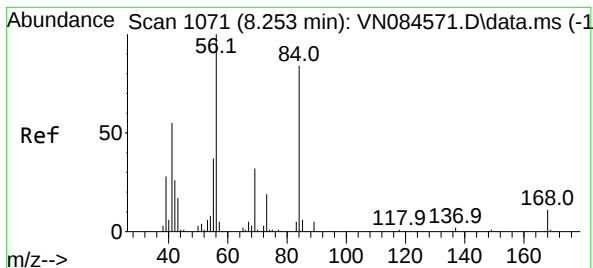
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
74 28.4 19.2 28.8





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

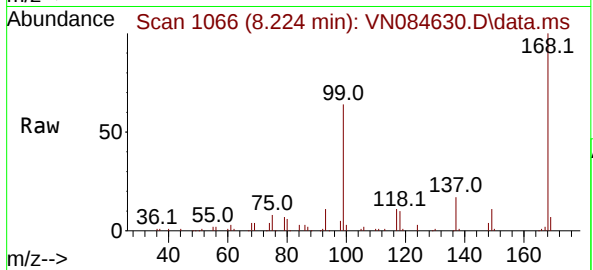
Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :



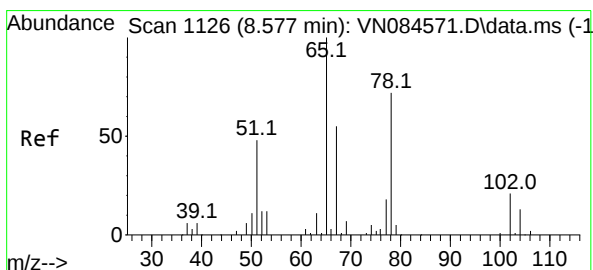
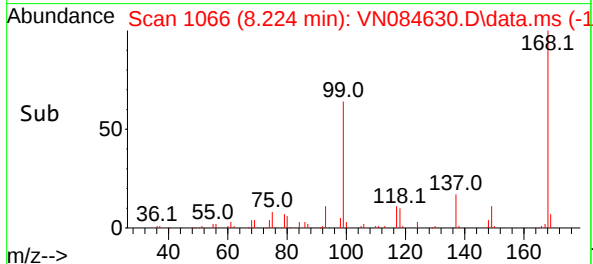
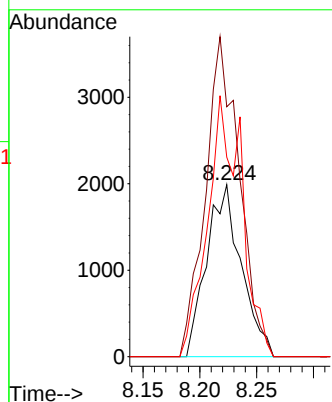
Tgt Ion: 56 Resp: 4216

Ion Ratio Lower Upper

56 100

69 145.2 23.8 35.6#

84 115.9 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 51.565 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084630.D

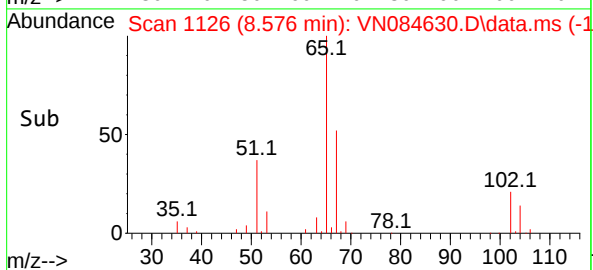
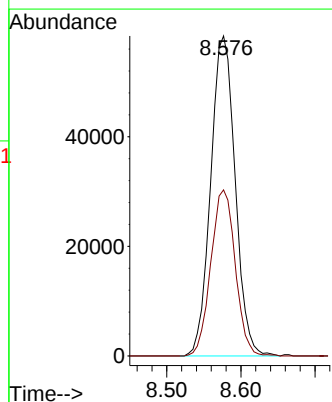
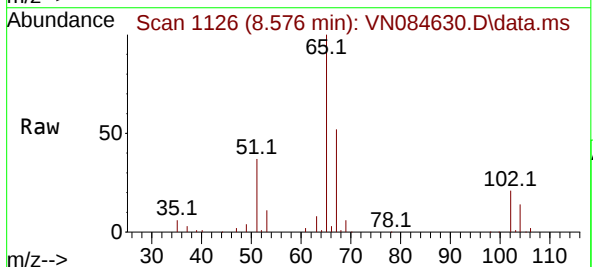
Acq: 01 Nov 2024 11:29

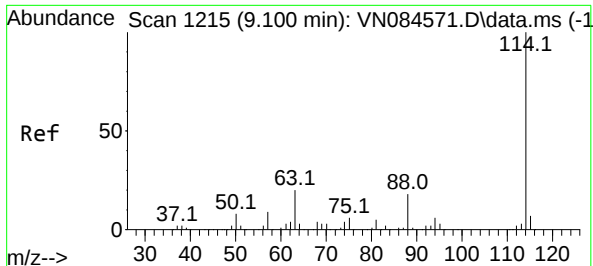
Tgt Ion: 65 Resp: 134085

Ion Ratio Lower Upper

65 100

67 51.8 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: VN084630.D

Acq: 01 Nov 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

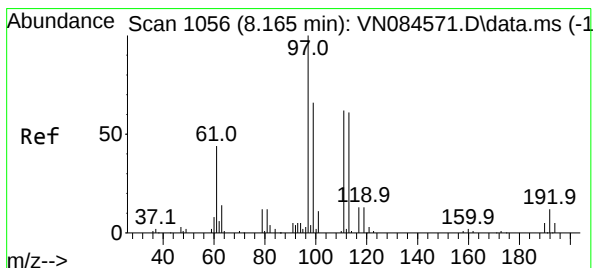
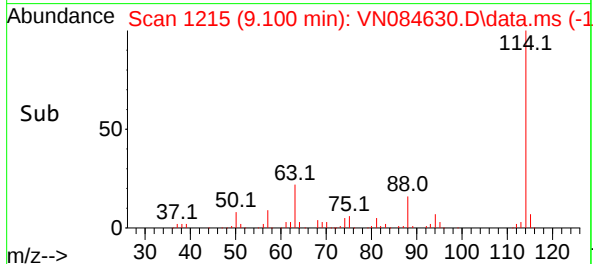
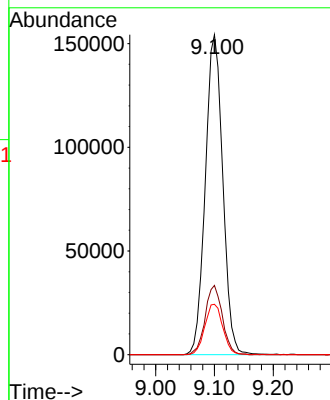
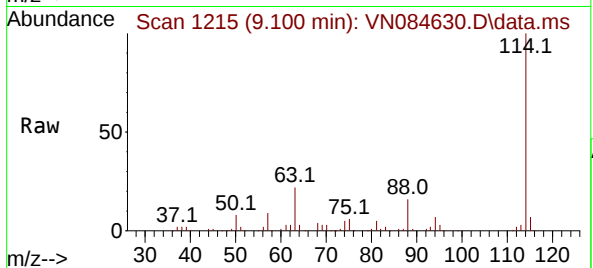
Tgt Ion:114 Resp: 318575

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 15.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.836 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

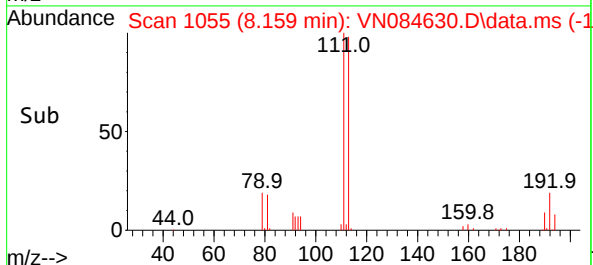
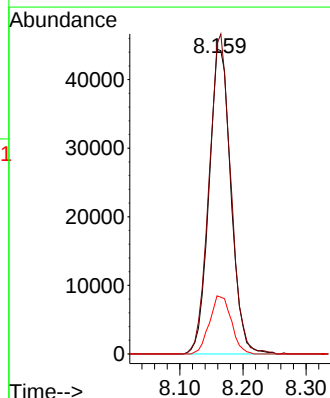
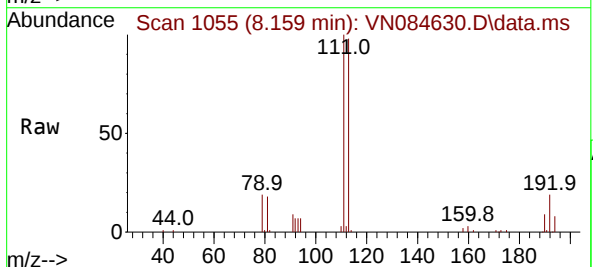
Tgt Ion:113 Resp: 107465

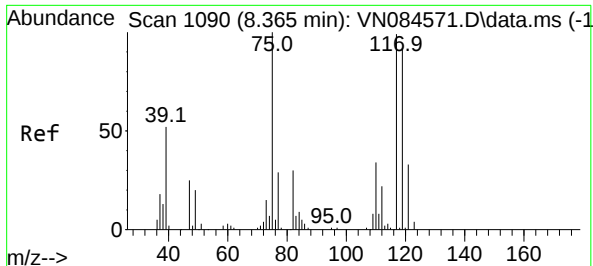
Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 18.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

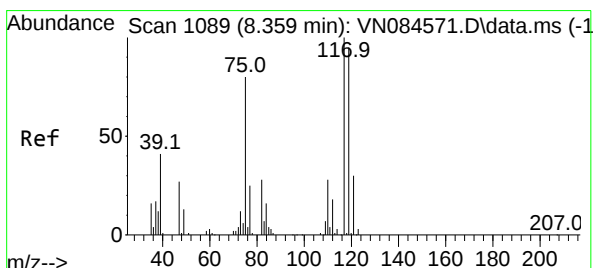
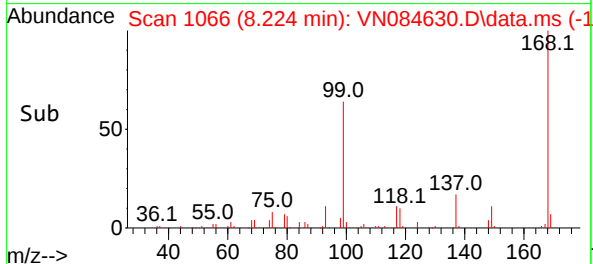
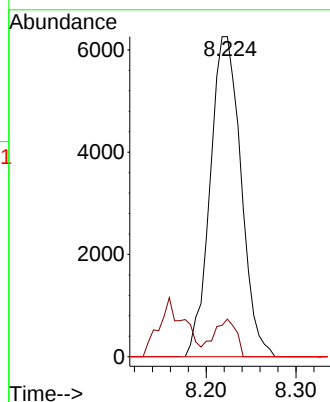
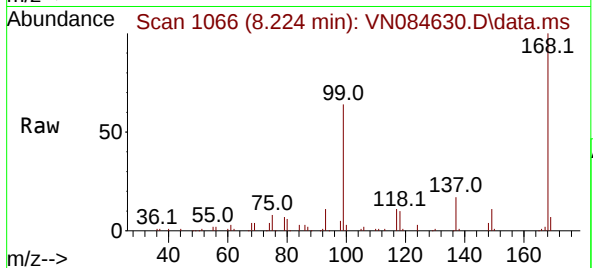
Tgt Ion: 75 Resp: 14951

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.921 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

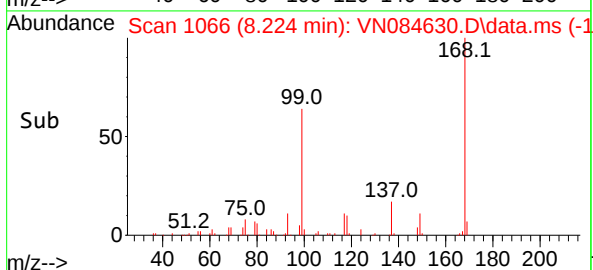
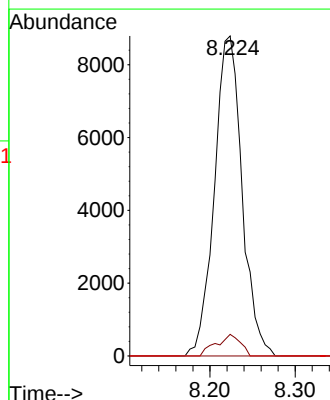
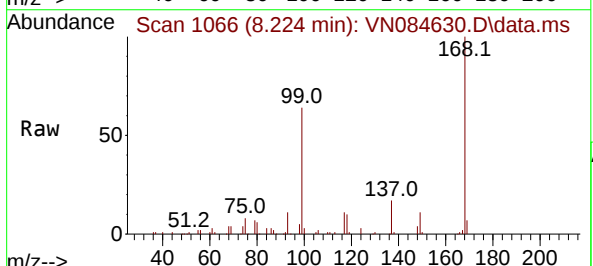
Tgt Ion: 117 Resp: 19793

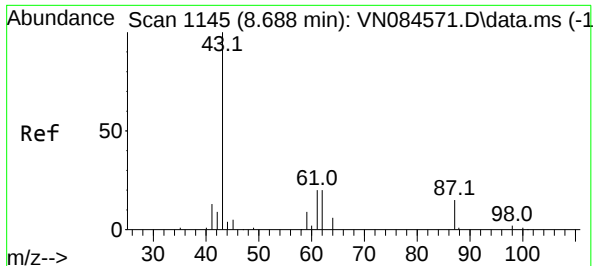
Ion Ratio Lower Upper

117 100

119 6.7 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

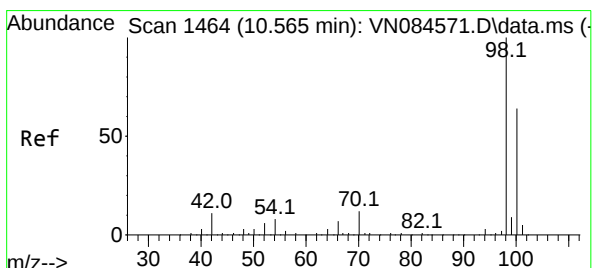
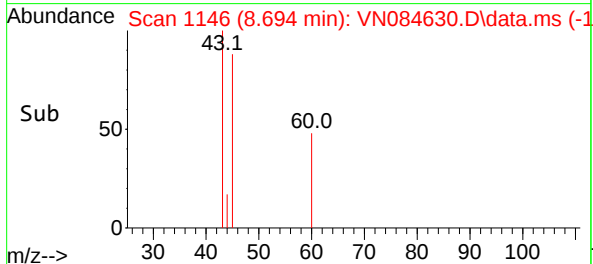
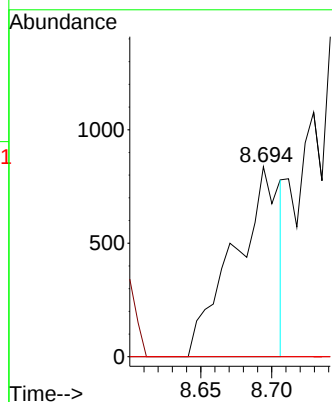
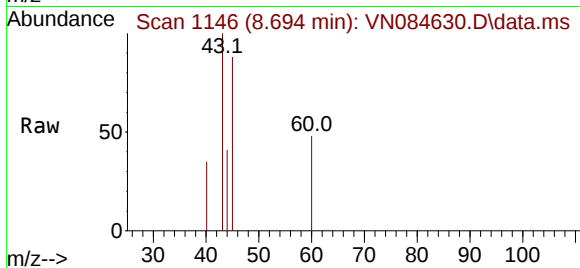
Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 47.365 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084630.D

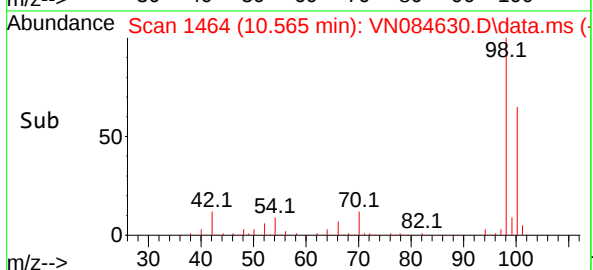
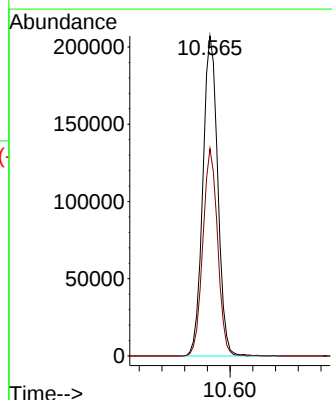
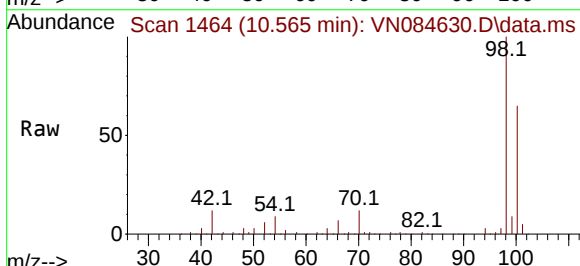
Acq: 01 Nov 2024 11:29

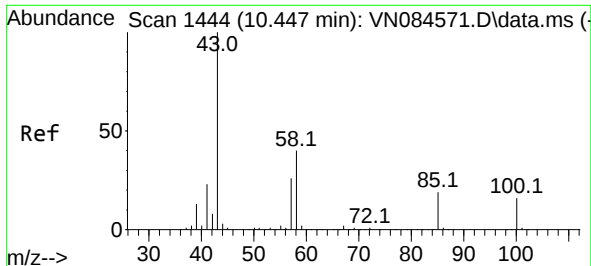
Tgt Ion: 98 Resp: 376240

Ion Ratio Lower Upper

98 100

100 64.0 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.587 ug/l

RT: 10.570 min Scan# 1444

Delta R.T. 0.129 min

Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

Instrument :

MSVOA_N

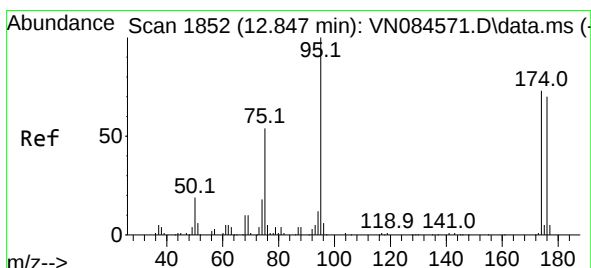
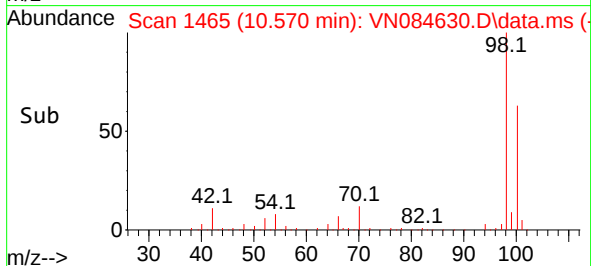
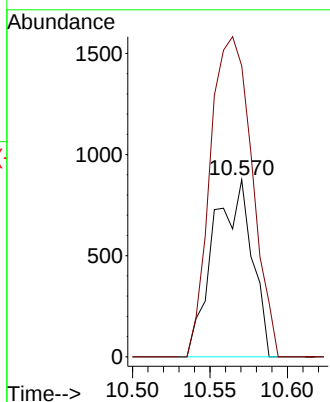
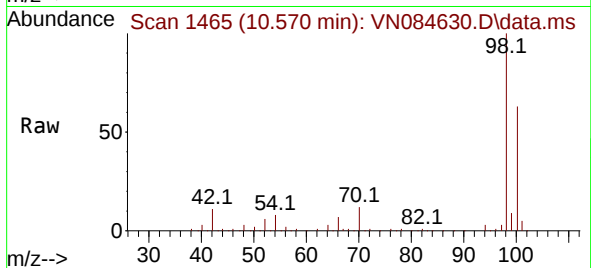
ClientSampleId :

Tgt Ion: 43 Resp: 1518

Ion Ratio Lower Upper

43 100

58 195.3 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 46.824 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084630.D

Acq: 01 Nov 2024 11:29

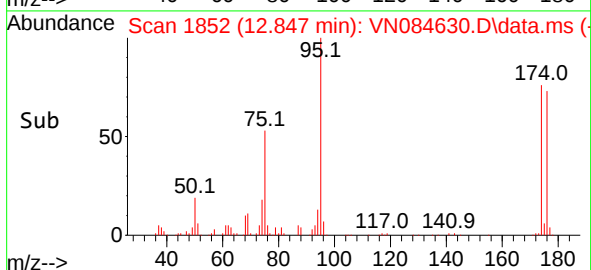
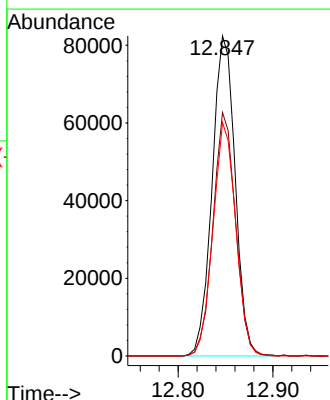
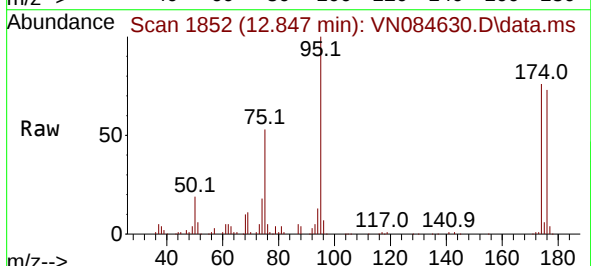
Tgt Ion: 95 Resp: 139006

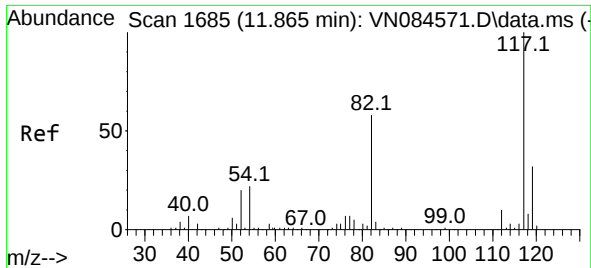
Ion Ratio Lower Upper

95 100

174 74.7 0.0 145.2

176 72.2 0.0 140.0

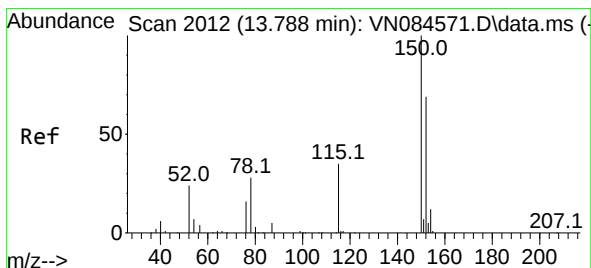
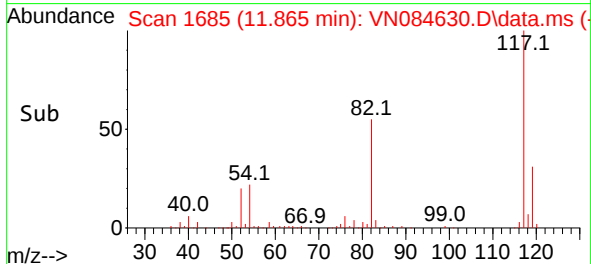
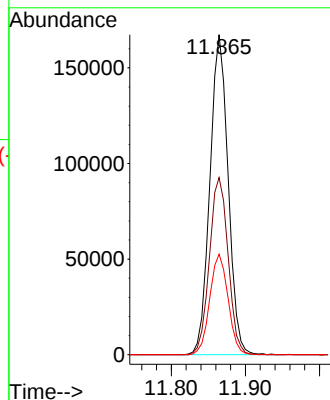
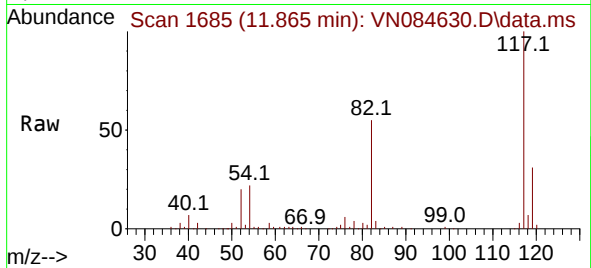




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

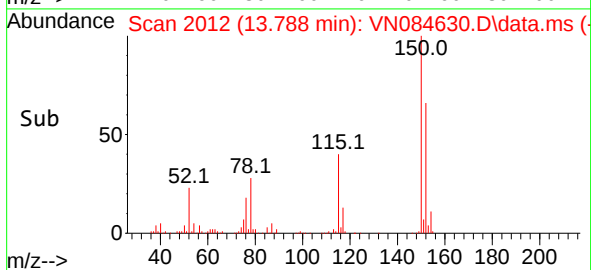
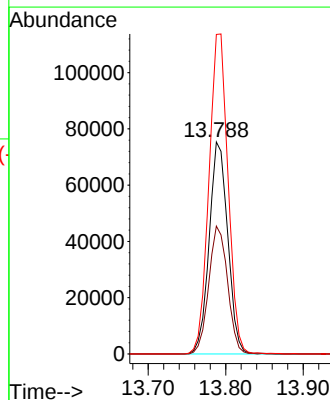
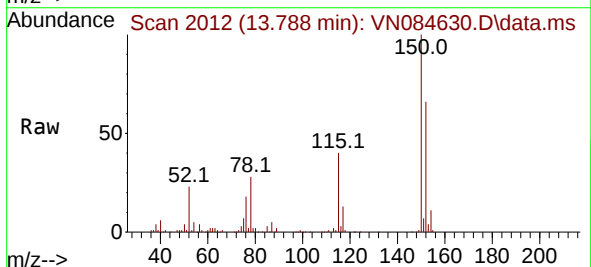
Instrument :
MSVOA_N
ClientSampleId :

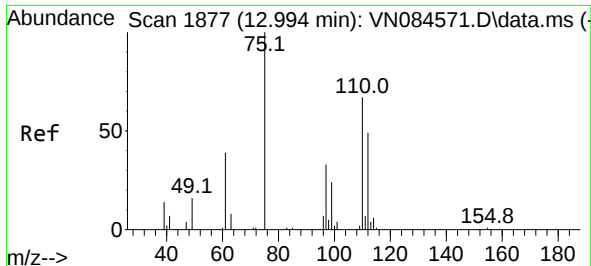
Tgt Ion:117 Resp: 285991
Ion Ratio Lower Upper
117 100
82 55.4 47.2 70.8
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion:152 Resp: 125664
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.9
150 154.9 0.0 349.8

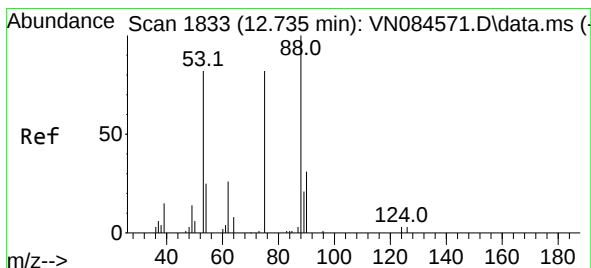
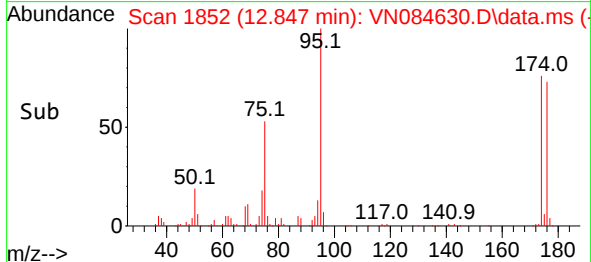
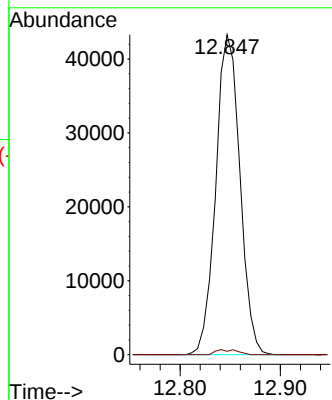
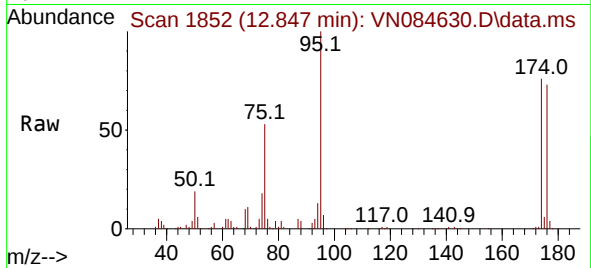




#76
1,2,3-Trichloropropane
Concen: 28.780 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

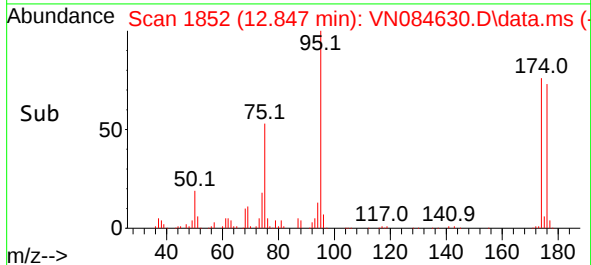
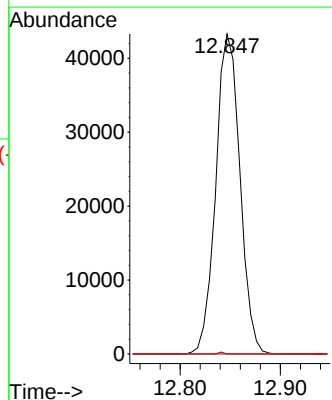
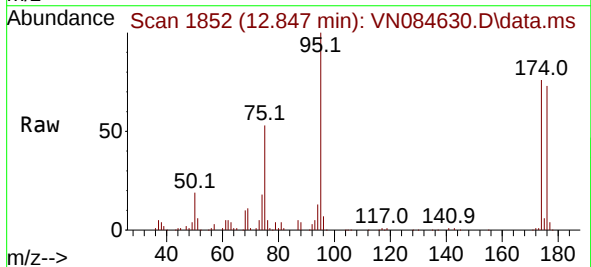
Instrument :
MSVOA_N
ClientSampleId :

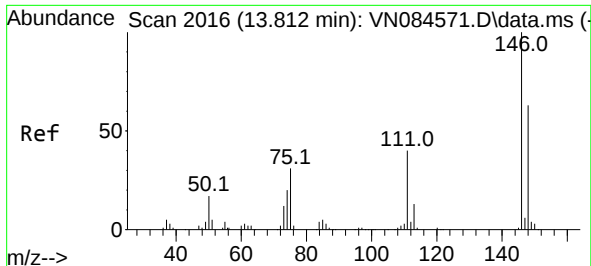
Tgt Ion: 75 Resp: 72294
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.277 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

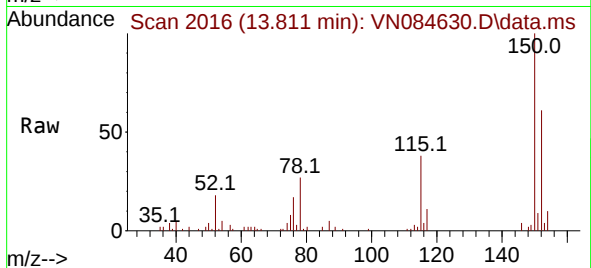
Tgt Ion: 75 Resp: 72294
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



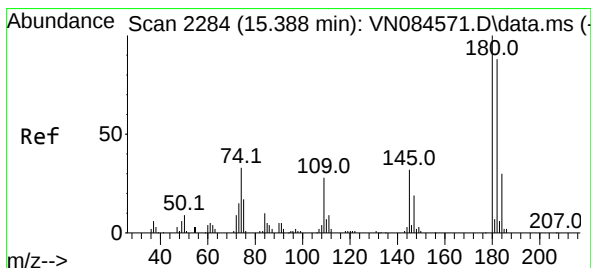
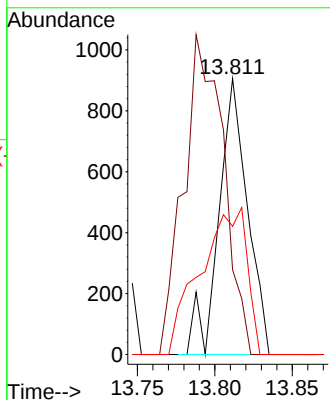
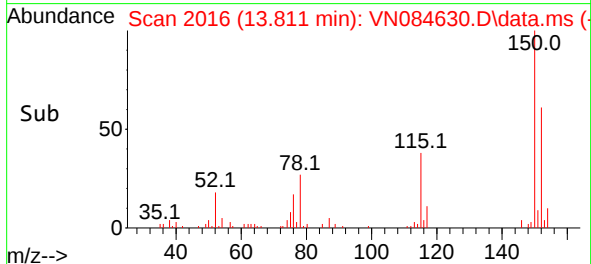


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

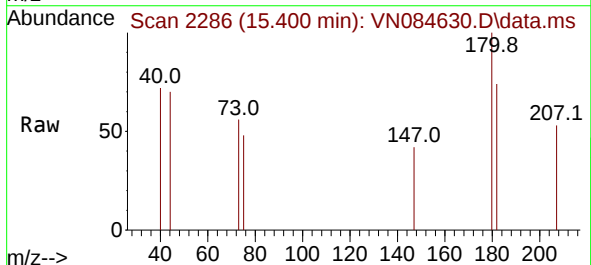
Instrument :
MSVOA_N
ClientSampleId :



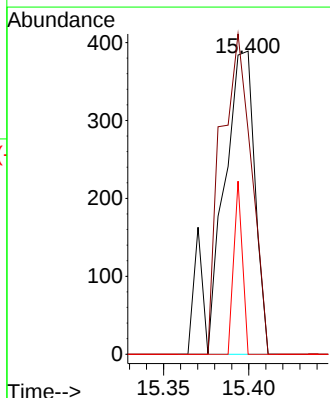
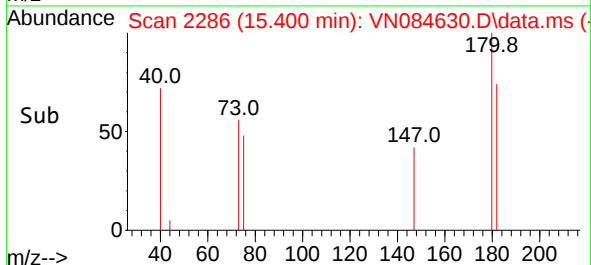
Tgt Ion:146 Resp: 1162
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 86.8 31.9 95.9

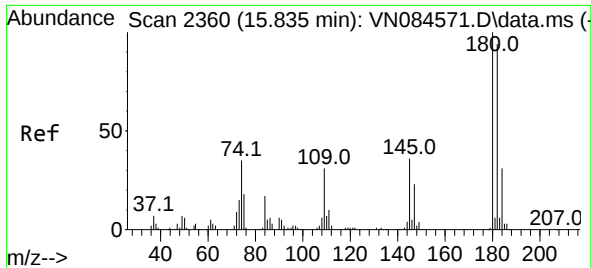


#93
1,2,4-Trichlorobenzene
Concen: 0.219 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29



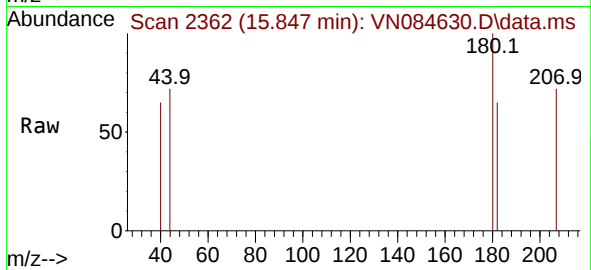
Tgt Ion:180 Resp: 531
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.0
145 14.7 16.4 49.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN084630.D
 Acq: 01 Nov 2024 11:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 583
 Ion Ratio Lower Upper
 180 100
 182 29.8 48.2 144.6#
 145 0.0 17.3 51.9#

