

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084950.D
 Acq On : 19 Nov 2024 16:28
 Operator : JC\MD
 Sample : P4845-16RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:30:57 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)

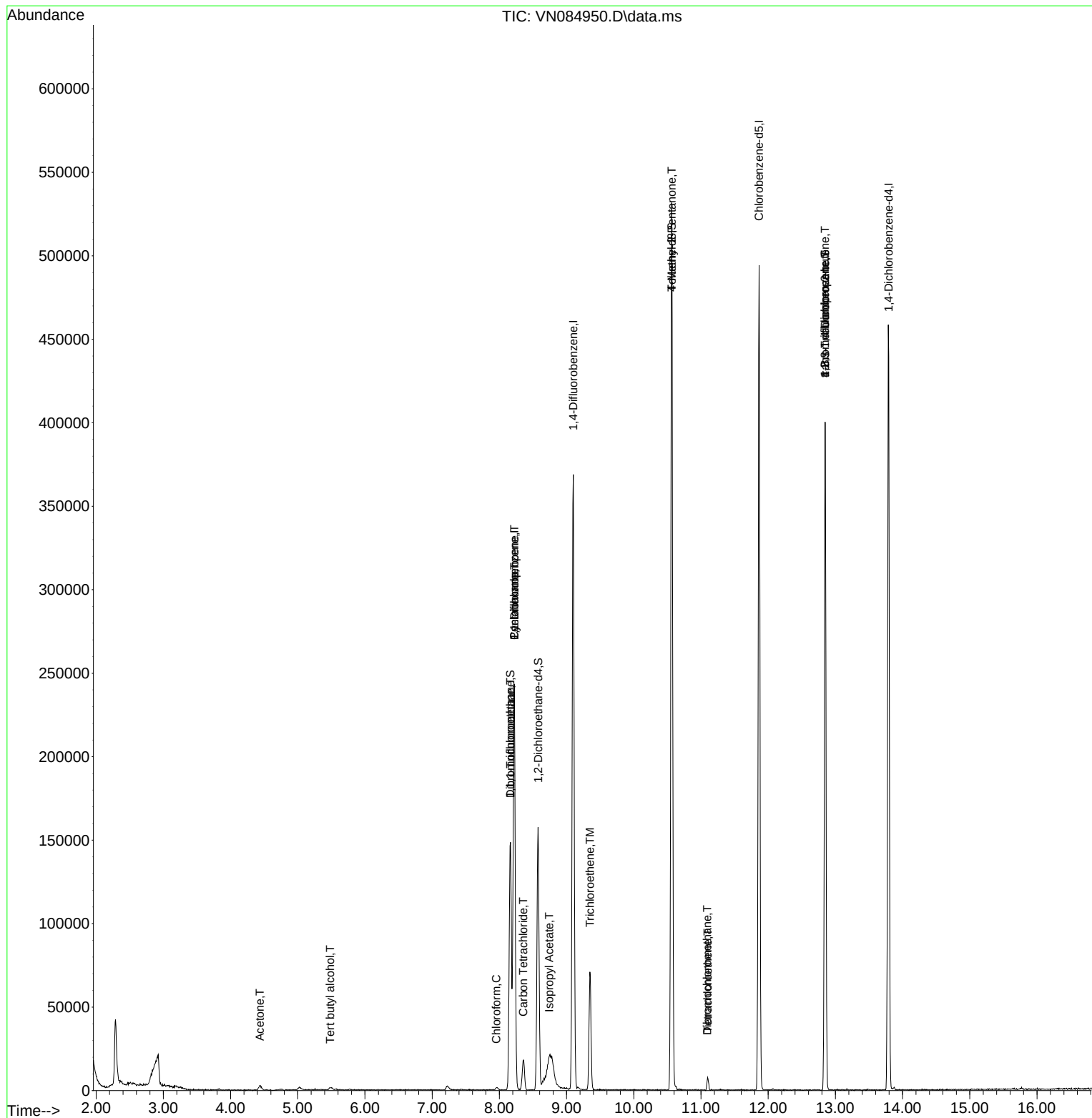
Internal Standards						
1) Pentafluorobenzene	8.224	168	168035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128607	52.990	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.980%	
35) Dibromofluoromethane	8.165	113	102335	48.132	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.260%	
50) Toluene-d8	10.565	98	361008	46.094	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.180%	
62) 4-Bromofluorobenzene	12.847	95	139048	47.504	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	763	Below Cal	#	41
6) Chloroethane	3.159	64	312	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	606	1.892	ug/l #	73
16) Acetone	4.436	43	3856	2.678	ug/l	91
18) Methyl Acetate	5.024	43	3709	Below Cal	#	74
30) Chloroform	7.953	83	1748	0.464	ug/l #	83
31) Cyclohexane	8.224	56	4192	1.251	ug/l #	25
32) 1,1,1-Trichloroethane	8.165	97	6884	2.007	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	14563	4.939	ug/l #	50
38) Carbon Tetrachloride	8.353	117	14173	4.300	ug/l	93
43) Isopropyl Acetate	8.741	43	26567	4.497	ug/l #	56
44) Trichloroethene	9.347	130	25282	11.577	ug/l	100
51) 4-Methyl-2-Pentanone	10.565	43	1809	0.709	ug/l #	1
60) Dibromochloromethane	11.094	129	1992	0.838	ug/l #	11
64) Tetrachloroethene	11.100	164	1562	0.846	ug/l #	72
76) 1,2,3-Trichloropropane	12.847	75	73073	29.257	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73073	69.409	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	122	Below Cal	#	24

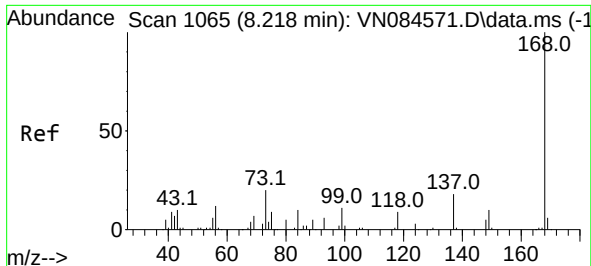
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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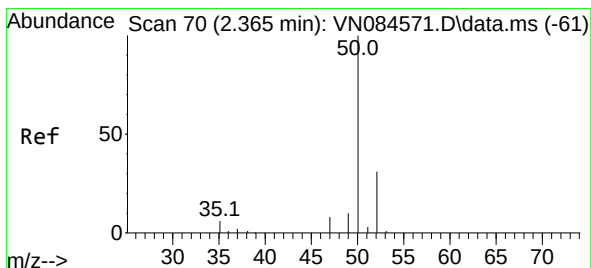
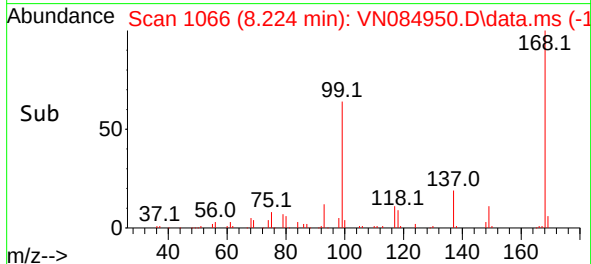
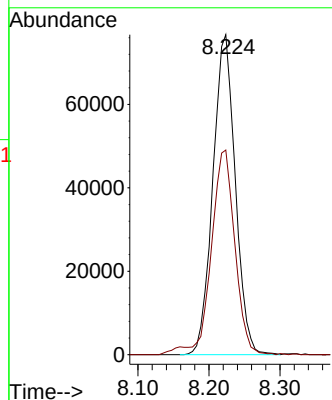
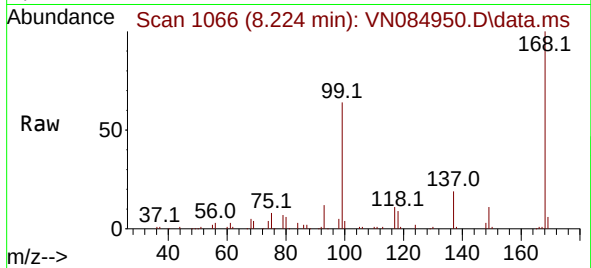




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

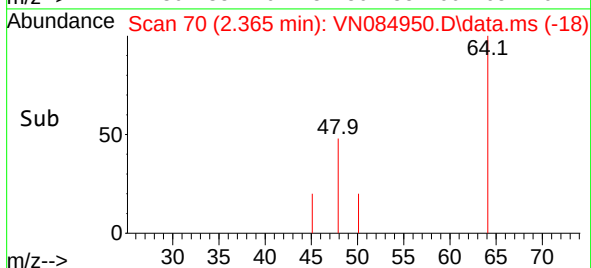
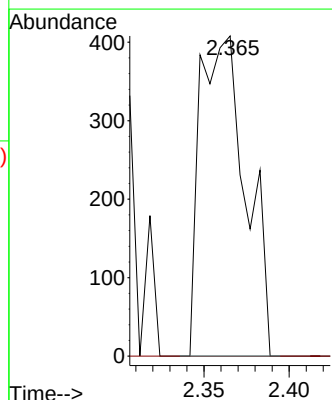
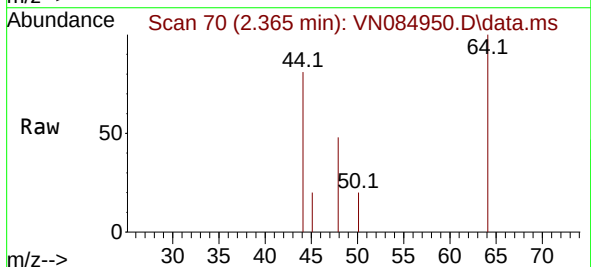
Instrument :
MSVOA_N
ClientSampleId :

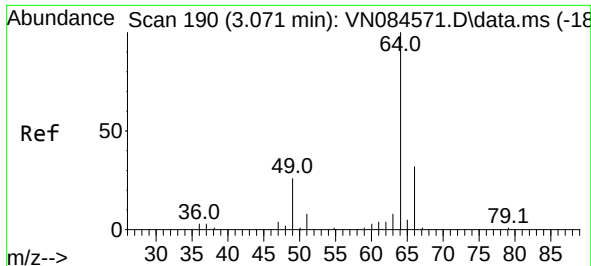
Tgt Ion:168 Resp: 168035
Ion Ratio Lower Upper
168 100
99 63.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 50 Resp: 763
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

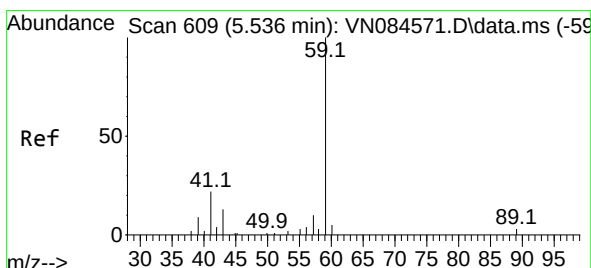
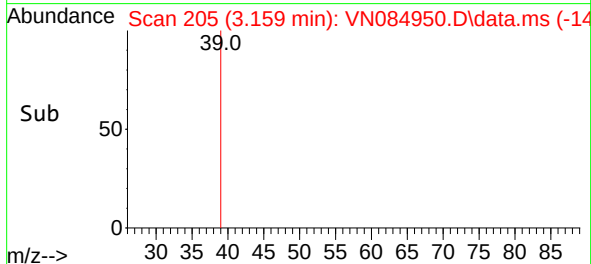
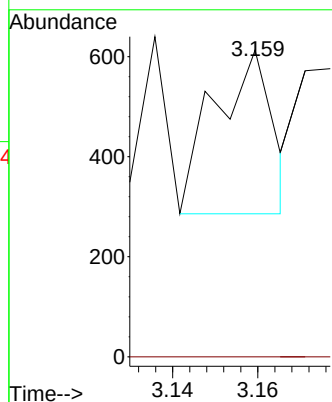
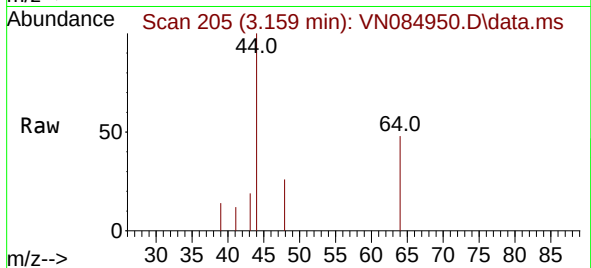




#6
Chloroethane
Concen: Below Cal
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

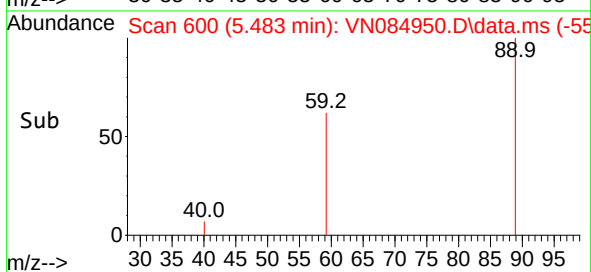
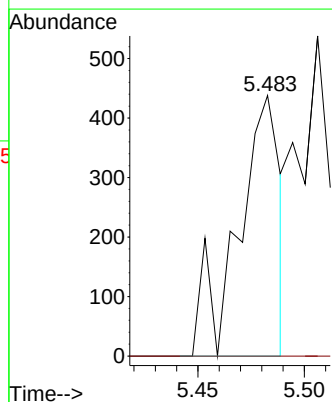
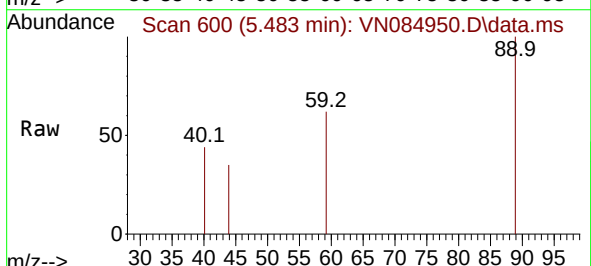
Instrument :
MSVOA_N
ClientSampleId :

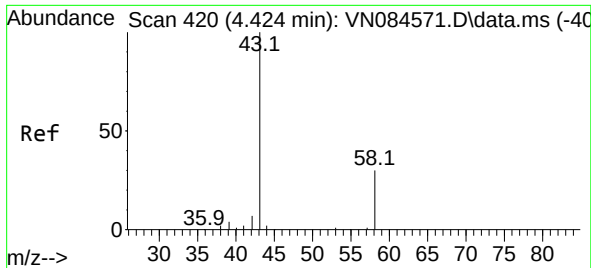
Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.892 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

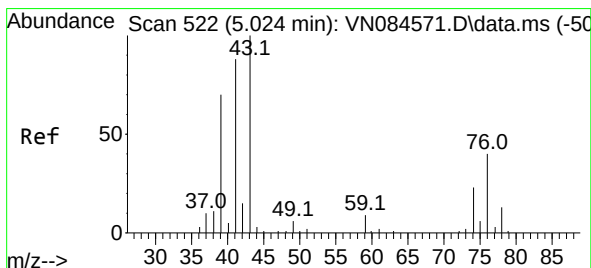
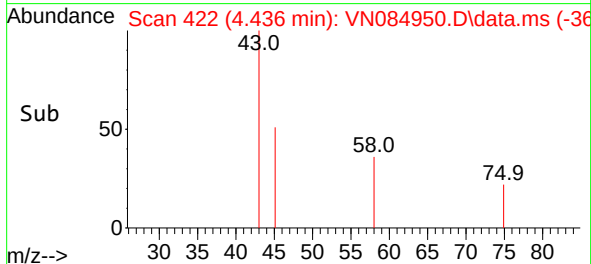
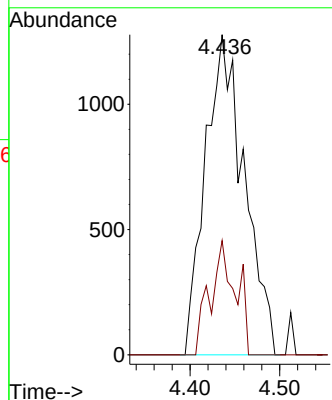
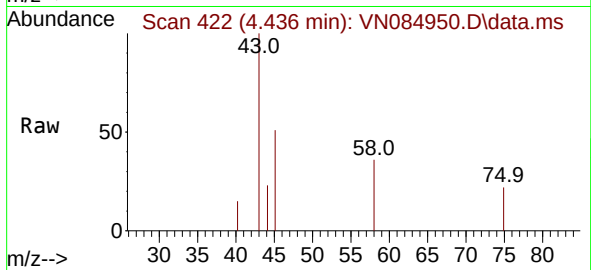




#16
Acetone
Concen: 2.678 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

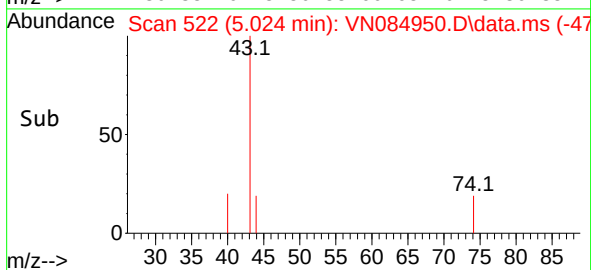
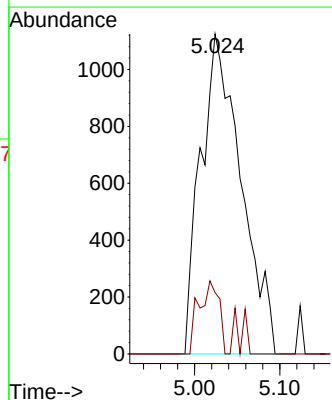
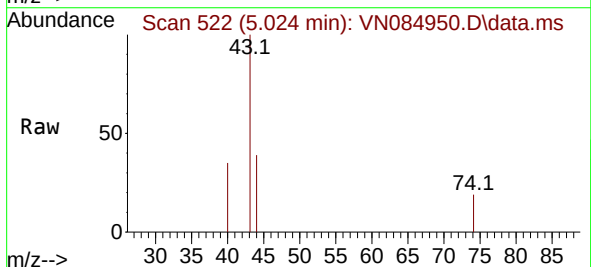
Instrument :
MSVOA_N
ClientSampleId :

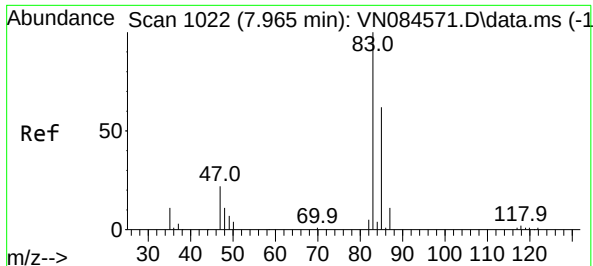
Tgt Ion: 43 Resp: 3856
Ion Ratio Lower Upper
43 100
58 35.7 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 43 Resp: 3709
Ion Ratio Lower Upper
43 100
74 11.4 19.2 28.8#





#30

Chloroform

Concen: 0.464 ug/l

RT: 7.953 min Scan# 1066

Delta R.T. -0.012 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

Instrument :

MSVOA_N

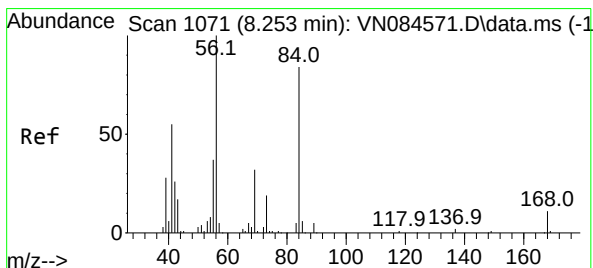
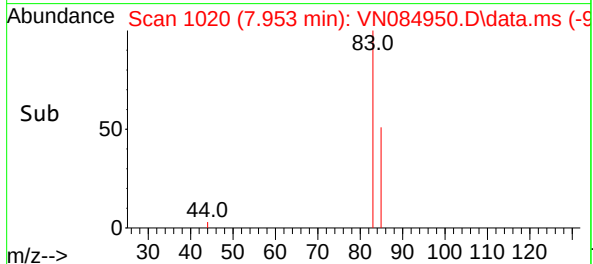
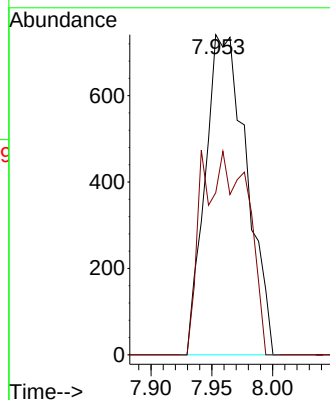
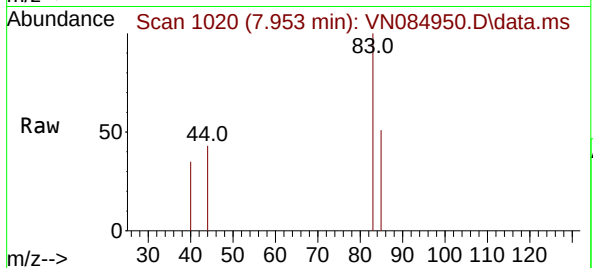
ClientSampleId :

Tgt Ion: 83 Resp: 1748

Ion Ratio Lower Upper

83 100

85 50.6 51.0 76.4#



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

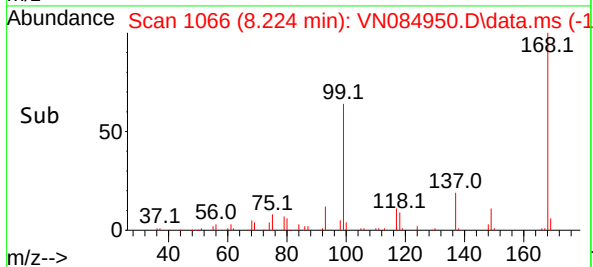
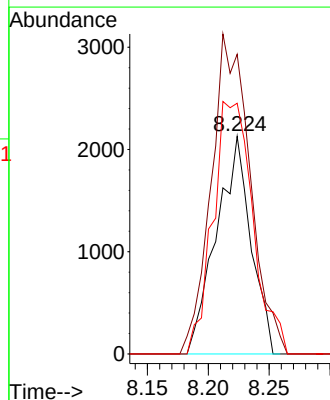
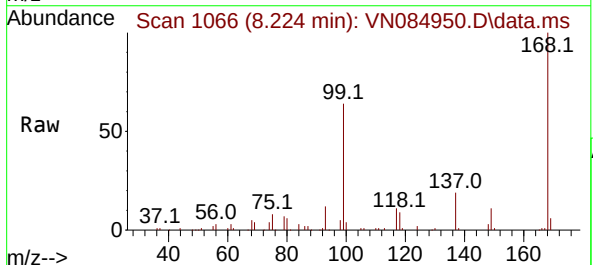
Tgt Ion: 56 Resp: 4192

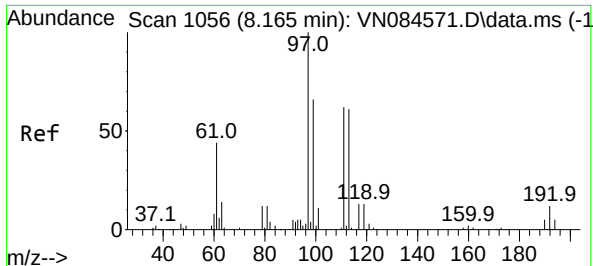
Ion Ratio Lower Upper

56 100

69 137.7 23.8 35.6#

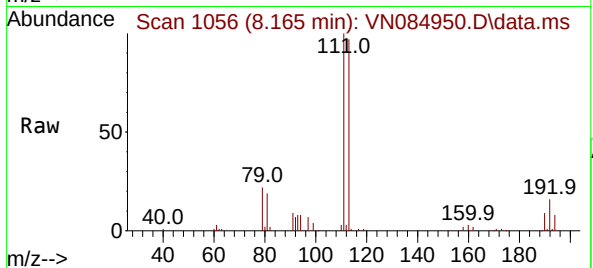
84 115.2 68.8 103.2#



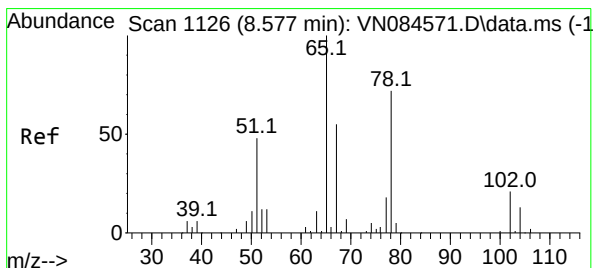
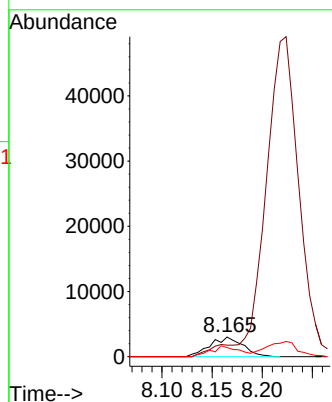
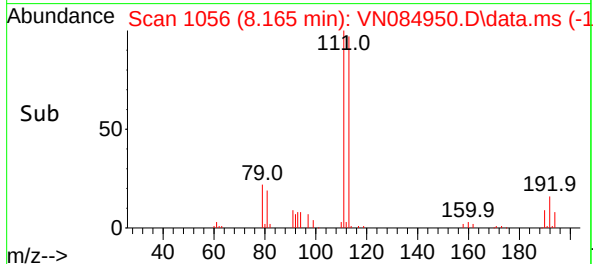


#32
 1,1,1-Trichloroethane
 Concen: 2.007 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VN084950.D
 Acq: 19 Nov 2024 16:28

Instrument :
 MSVOA_N
 ClientSampleId :

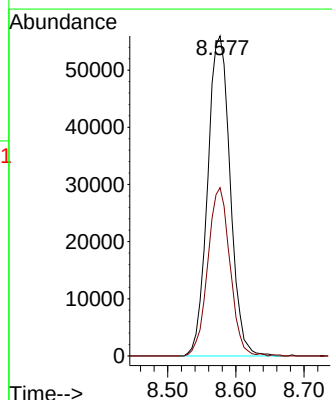
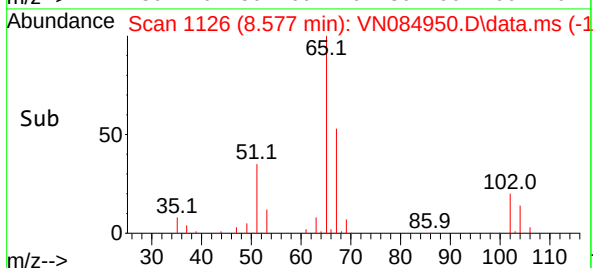
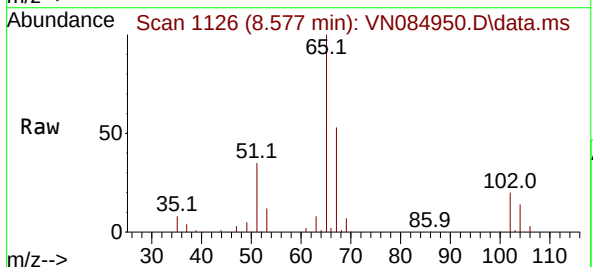


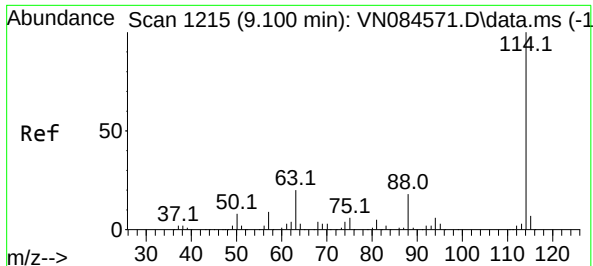
Tgt Ion: 97 Resp: 6884
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.2 76.8#
 61 46.3 37.5 56.3



#33
 1,2-Dichloroethane-d4
 Concen: 52.990 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084950.D
 Acq: 19 Nov 2024 16:28

Tgt Ion: 65 Resp: 128607
 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# 1

Delta R.T. 0.000 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

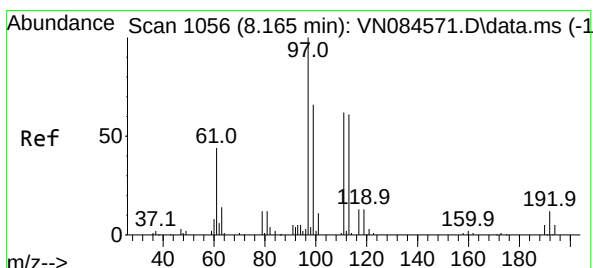
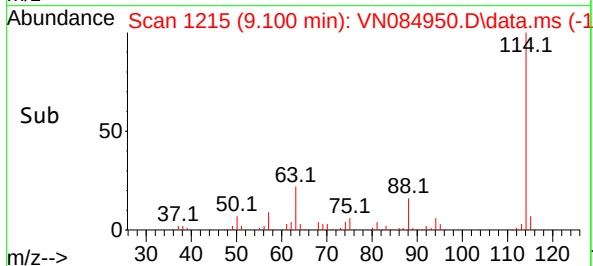
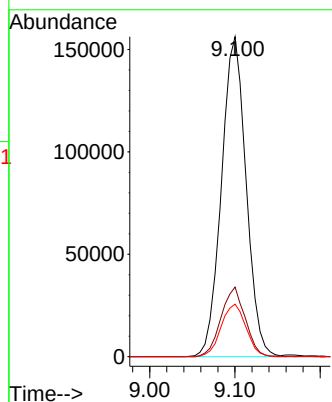
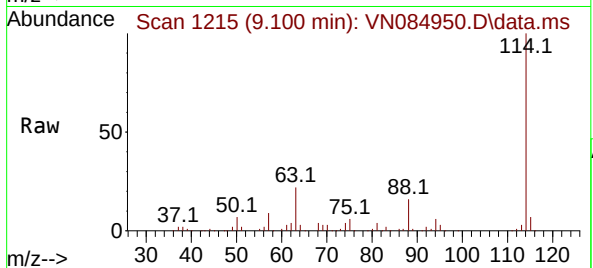
Tgt Ion:114 Resp: 314106

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 16.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.132 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

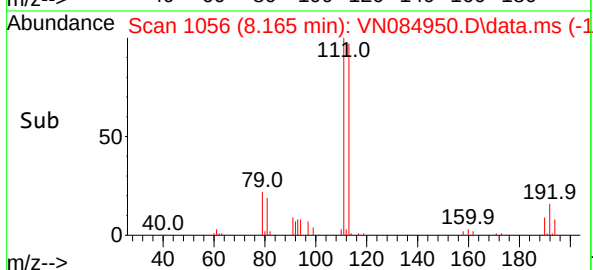
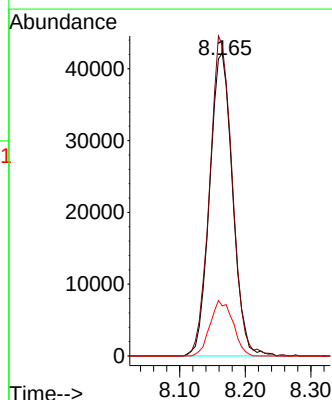
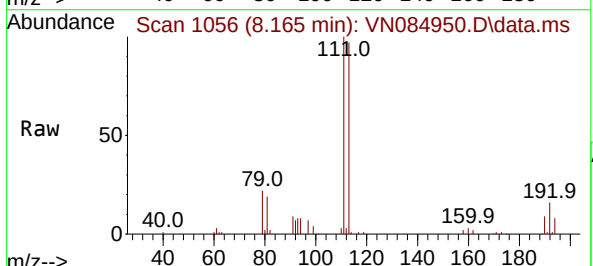
Tgt Ion:113 Resp: 102335

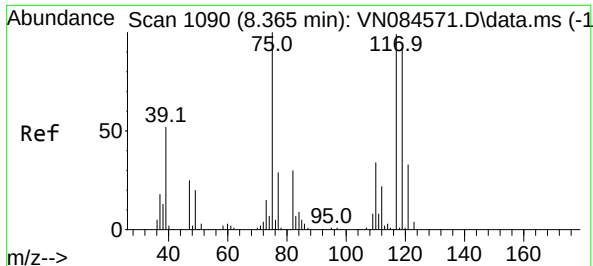
Ion Ratio Lower Upper

113 100

111 104.1 83.3 124.9

192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

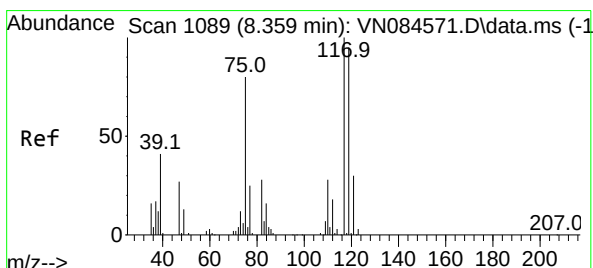
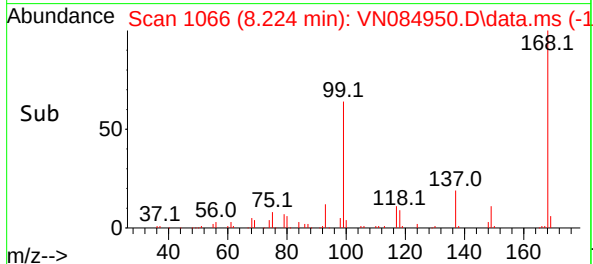
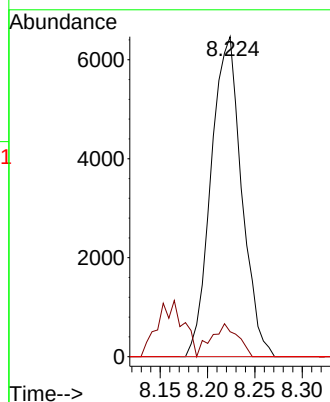
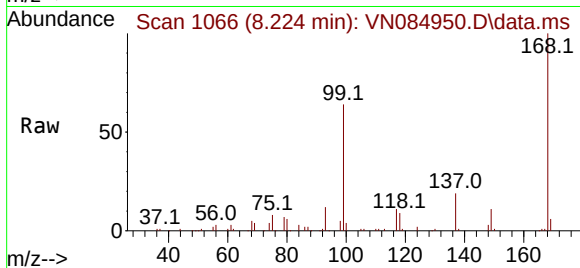
Tgt Ion: 75 Resp: 14563

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.300 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

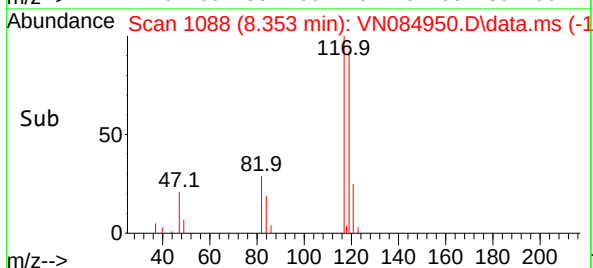
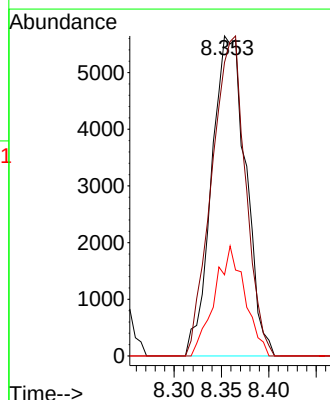
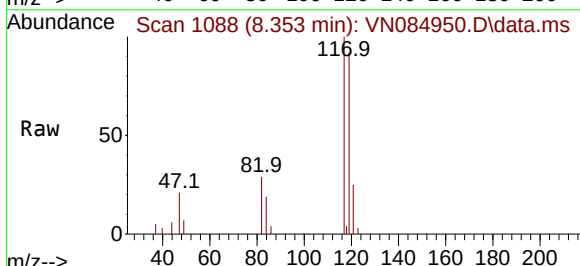
Tgt Ion: 117 Resp: 14173

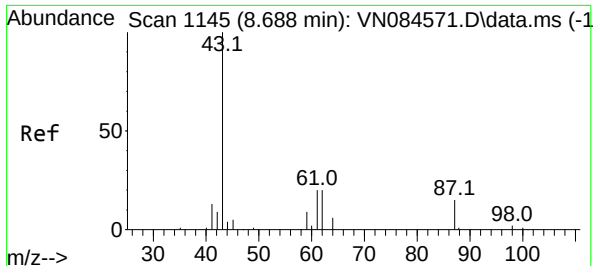
Ion Ratio Lower Upper

117 100

119 91.7 78.7 118.1

121 25.4 24.4 36.6

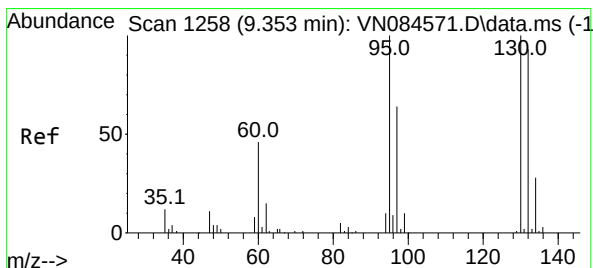
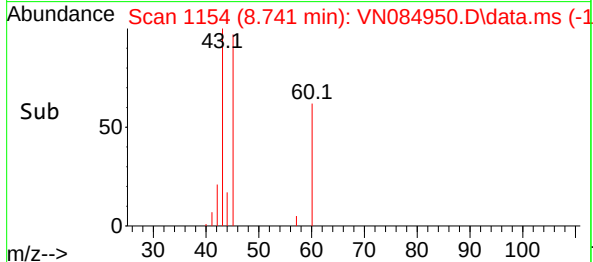
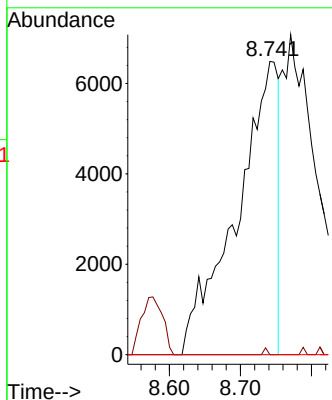
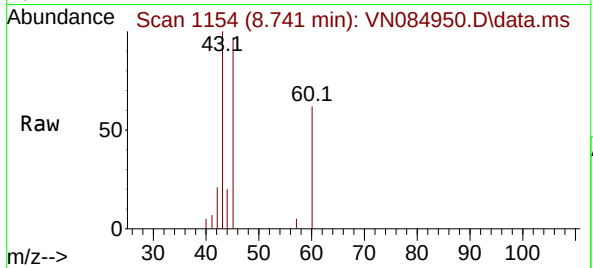




#43
Isopropyl Acetate
Concen: 4.497 ug/l
RT: 8.741 min Scan# 1145
Delta R.T. 0.053 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

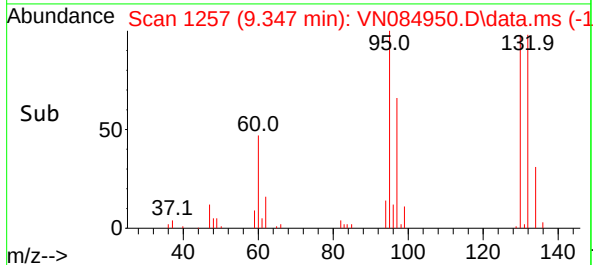
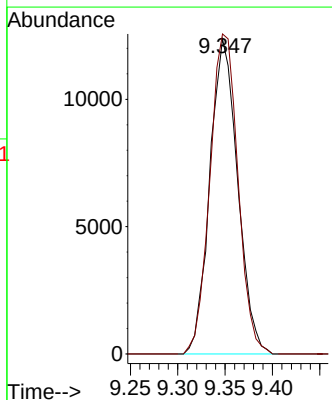
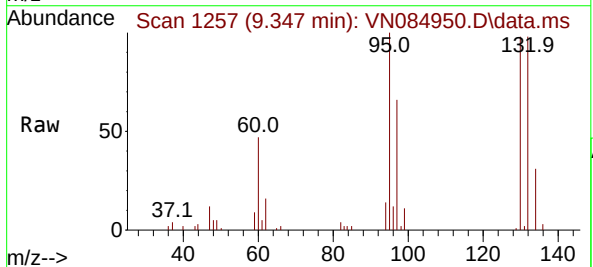
Instrument :
MSVOA_N
ClientSampleId :

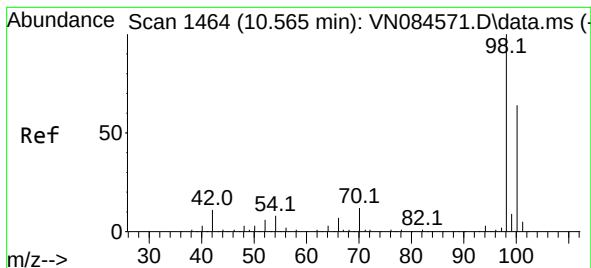
Tgt Ion: 43 Resp: 26567
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 11.577 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion:130 Resp: 25282
Ion Ratio Lower Upper
130 100
95 101.6 0.0 203.0





#50

Toluene-d8

Concen: 46.094 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084950.D

Acq: 19 Nov 2024 16:28

Instrument :

MSVOA_N

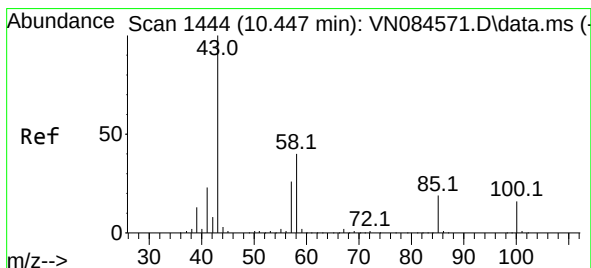
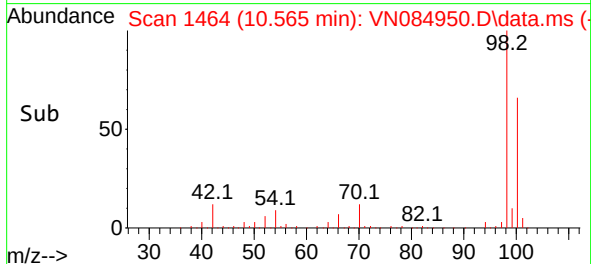
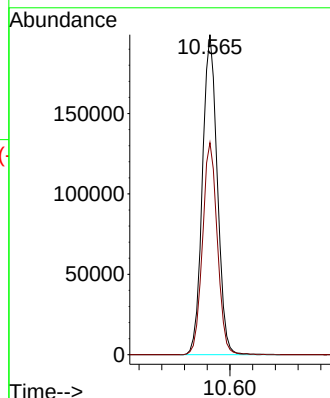
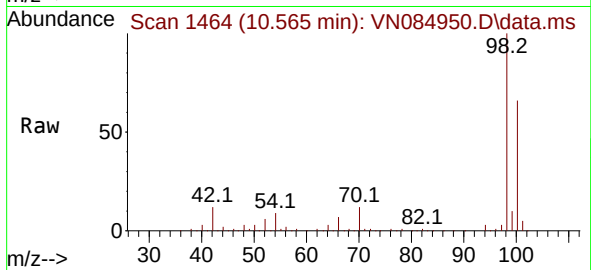
ClientSampleId :

Tgt Ion: 98 Resp: 361008

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.709 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN084950.D

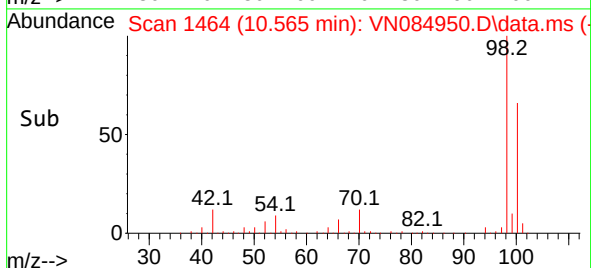
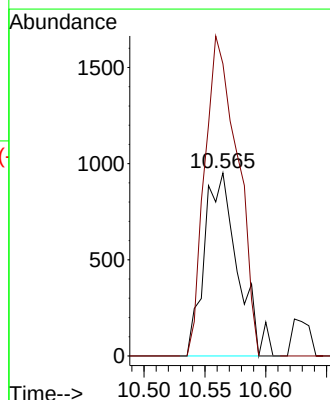
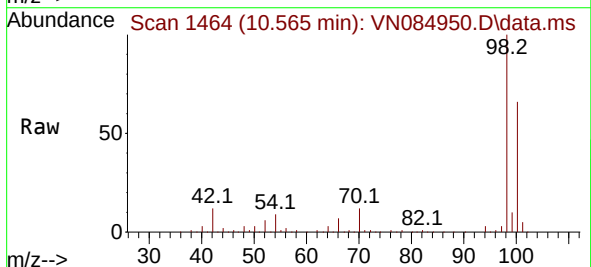
Acq: 19 Nov 2024 16:28

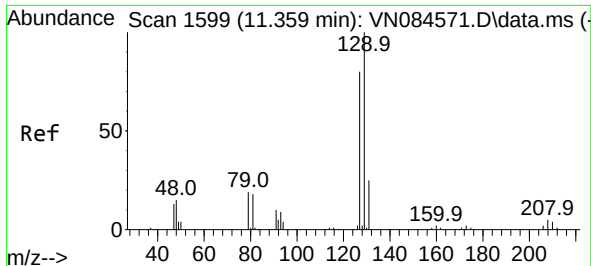
Tgt Ion: 43 Resp: 1809

Ion Ratio Lower Upper

43 100

58 172.0 31.6 47.4#

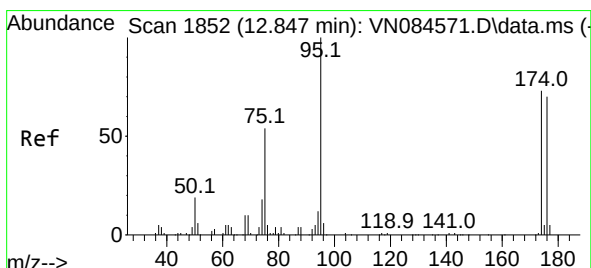
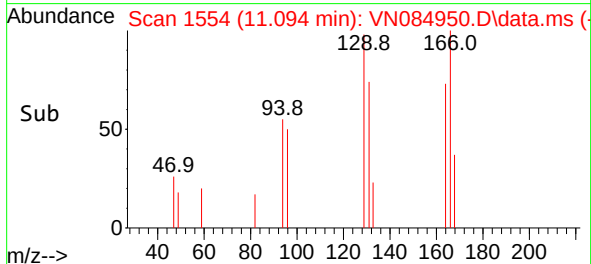
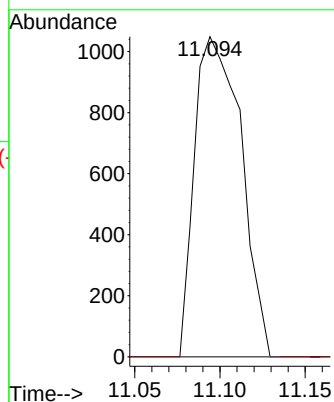
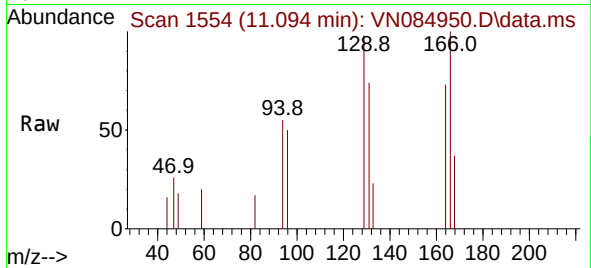




#60
Dibromochloromethane
Concen: 0.838 ug/l
RT: 11.094 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

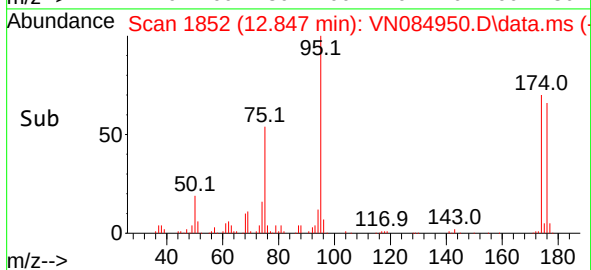
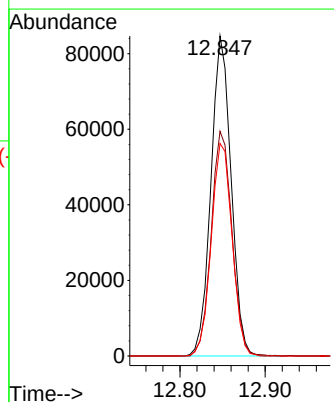
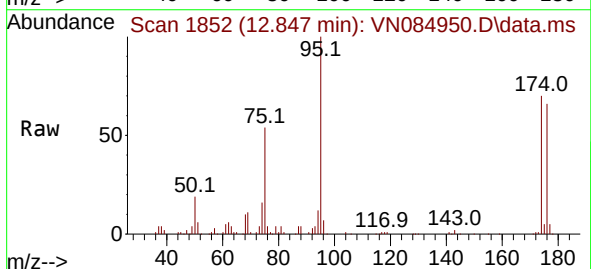
Instrument :
MSVOA_N
ClientSampleId :

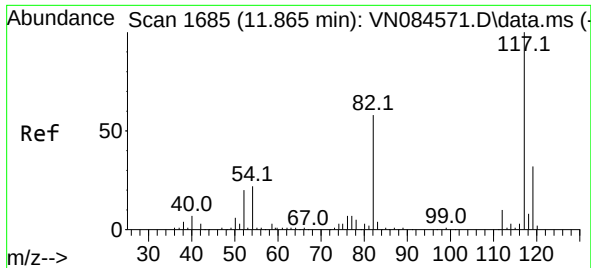
Tgt Ion:129 Resp: 1992
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 47.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion: 95 Resp: 139048
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.2
176 68.6 0.0 140.0

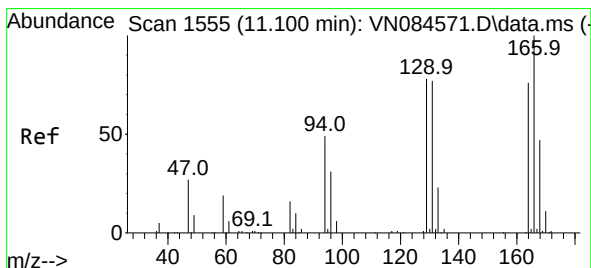
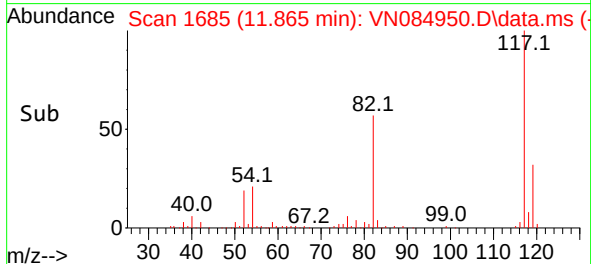
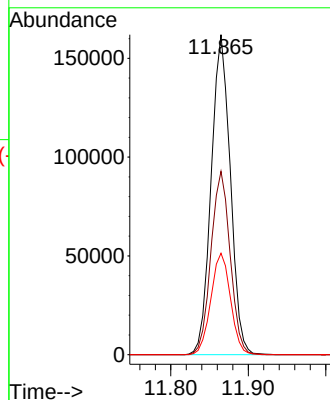
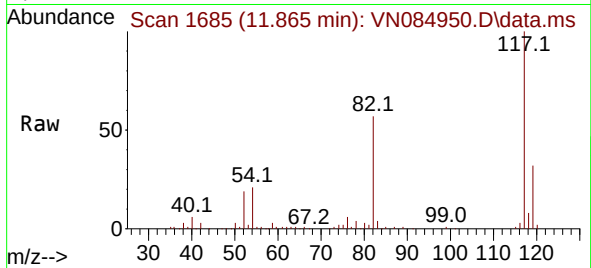




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

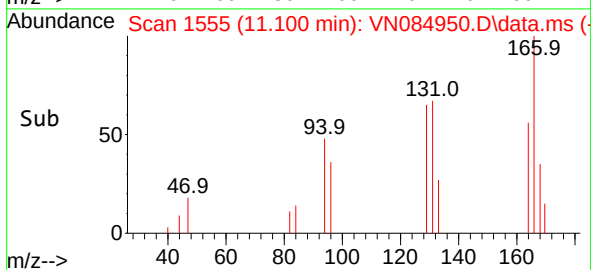
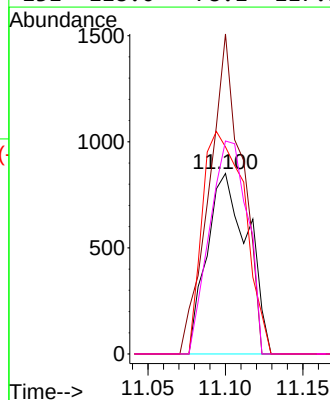
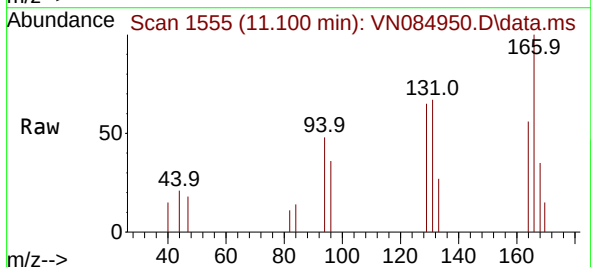
Instrument :
MSVOA_N
ClientSampleId :

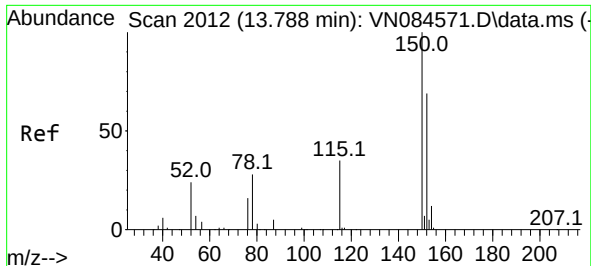
Tgt Ion:117 Resp: 277613
Ion Ratio Lower Upper
117 100
82 57.3 47.2 70.8
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 0.846 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

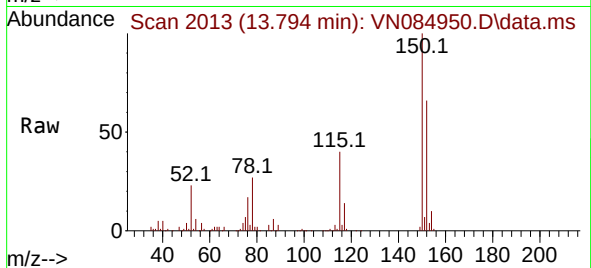
Tgt Ion:164 Resp: 1562
Ion Ratio Lower Upper
164 100
166 177.2 101.0 151.4#
129 114.7 80.8 121.2
131 118.0 78.1 117.1#



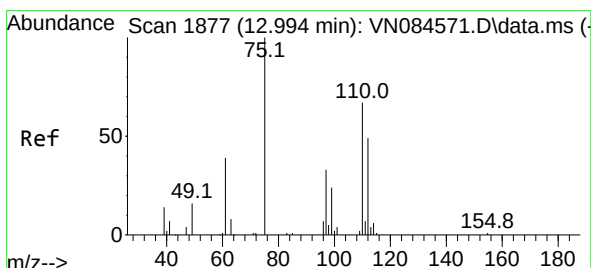
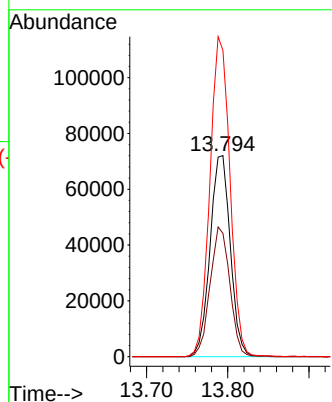
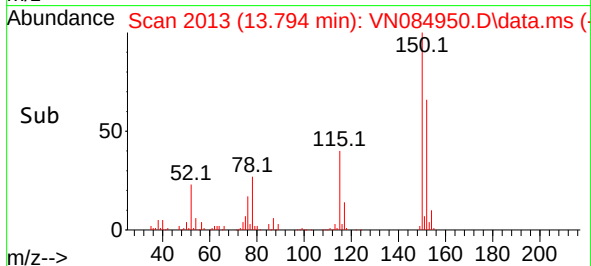


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN084950.D
 Acq: 19 Nov 2024 16:28

Instrument :
 MSVOA_N
 ClientSampleId :

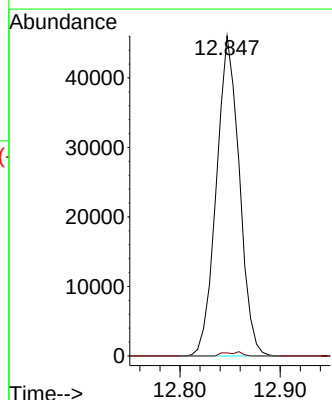
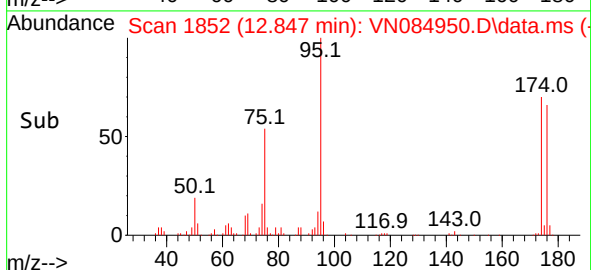
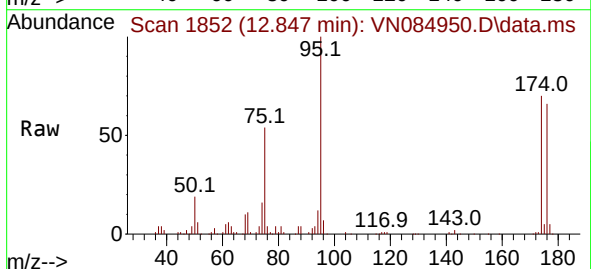


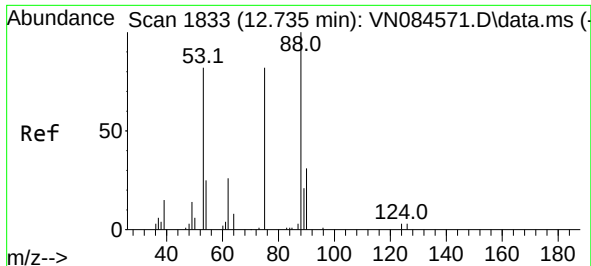
Tgt Ion:152 Resp: 124948
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.3 93.9
 150 157.9 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.257 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084950.D
 Acq: 19 Nov 2024 16:28

Tgt Ion: 75 Resp: 73073
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.9 290.7#

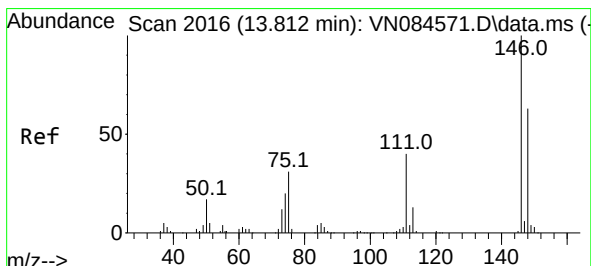
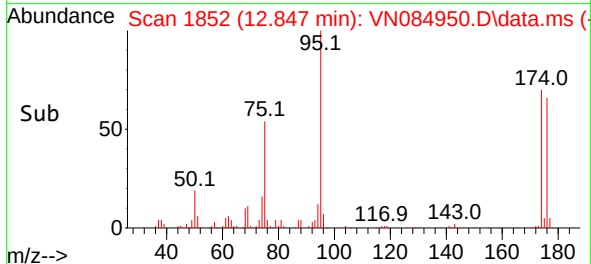
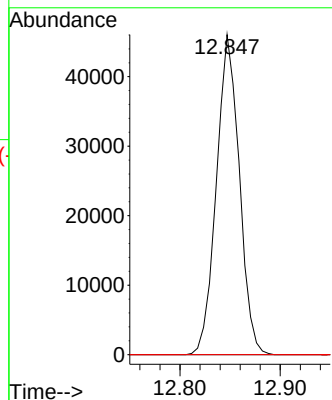
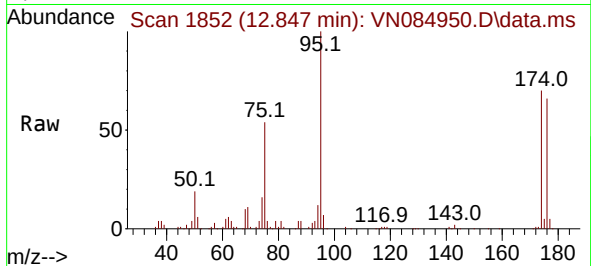




#81
trans-1,4-Dichloro-2-butene
Concen: 69.409 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084950.D
Acq: 19 Nov 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73073
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: VN084950.D
Acq: 19 Nov 2024 16:28

Tgt Ion:146 Resp: 122
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#

