

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084947.D
 Acq On : 19 Nov 2024 15:15
 Operator : JC\MD
 Sample : P4845-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:30:23 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)

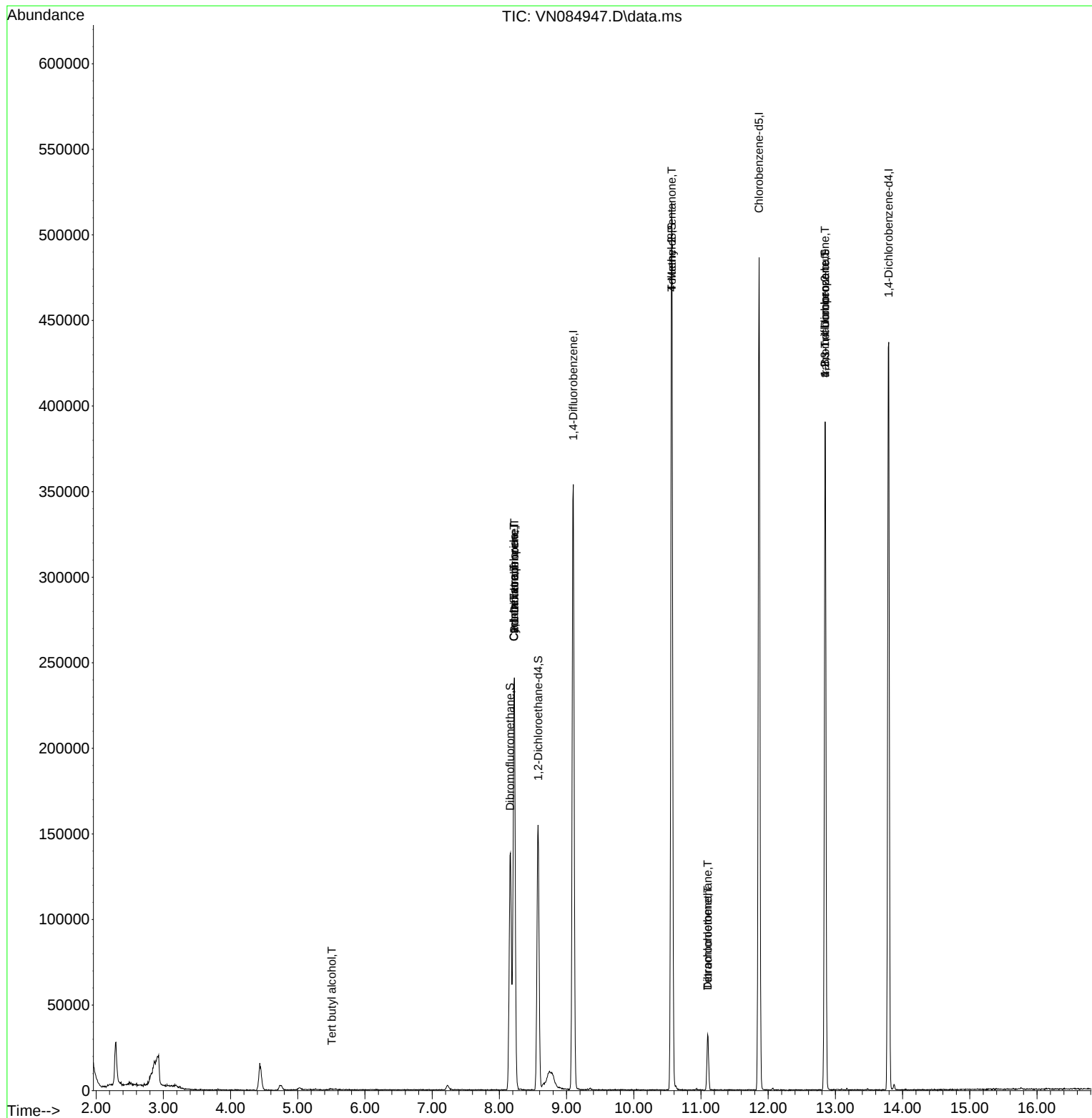
Internal Standards						
1) Pentafluorobenzene	8.224	168	170477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128145	52.044	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.080%	
35) Dibromofluoromethane	8.159	113	100560	47.991	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.980%	
50) Toluene-d8	10.565	98	356007	46.122	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.240%	
62) 4-Bromofluorobenzene	12.847	95	137208	47.563	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	769	Below Cal	#	41
6) Chloroethane	3.148	64	220	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	300	0.923	ug/l #	73
16) Acetone	4.453	43	1277	Below Cal	#	44
18) Methyl Acetate	5.018	43	3118	Below Cal	#	68
31) Cyclohexane	8.218	56	3615	1.063	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14383	4.949	ug/l #	49
38) Carbon Tetrachloride	8.218	117	18602	5.727	ug/l #	15
43) Isopropyl Acetate	8.659	43	2471	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1569	0.624	ug/l #	1
60) Dibromochloromethane	11.100	129	7533	3.215	ug/l #	11
64) Tetrachloroethene	11.100	164	7784	4.274	ug/l	93
76) 1,2,3-Trichloropropane	12.847	75	70990	29.496	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70990	69.975	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	376	Below Cal	#	35

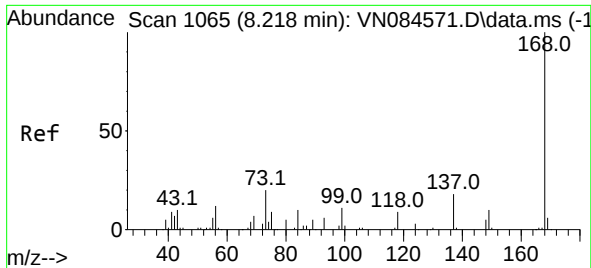
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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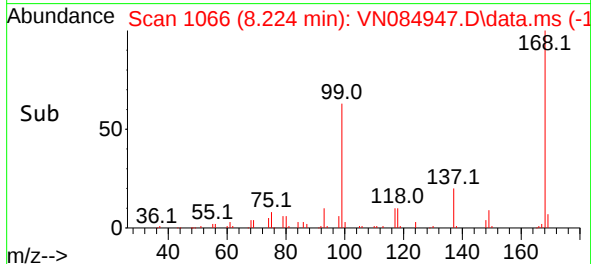
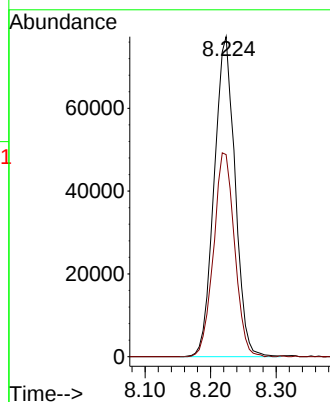
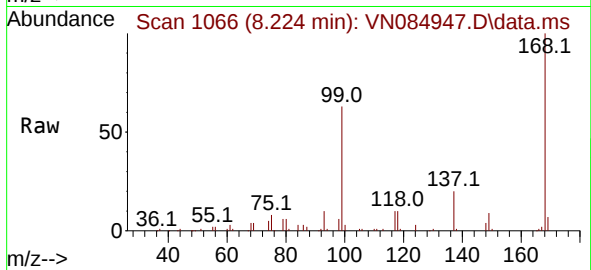




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

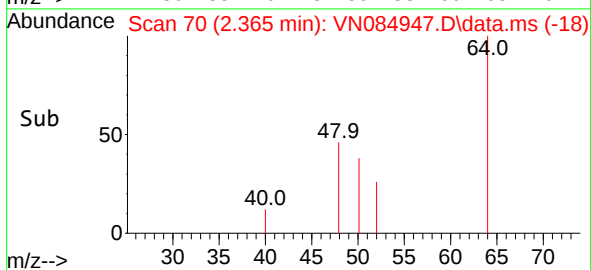
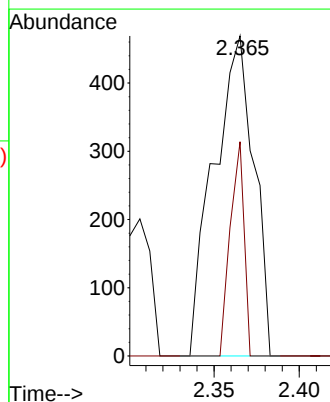
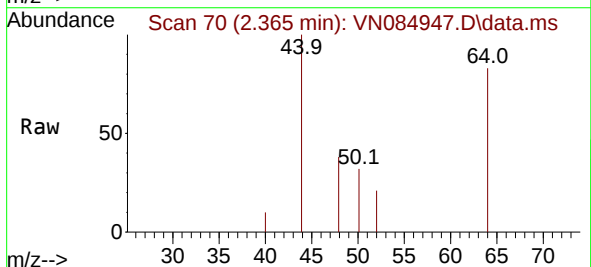
Instrument :
MSVOA_N
ClientSampleId :

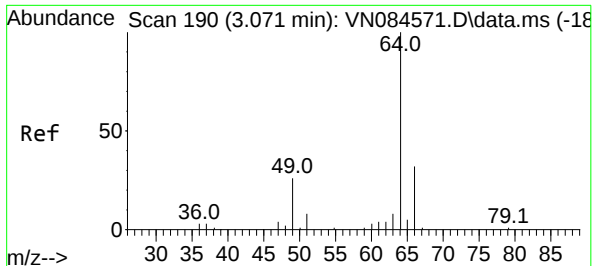
Tgt Ion:168 Resp: 170477
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion: 50 Resp: 769
Ion Ratio Lower Upper
50 100
52 67.0 26.8 40.2#

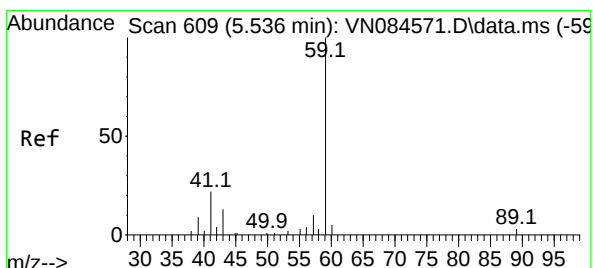
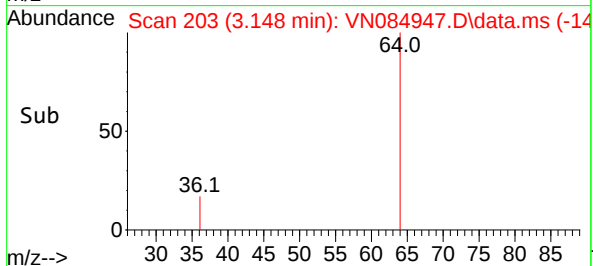
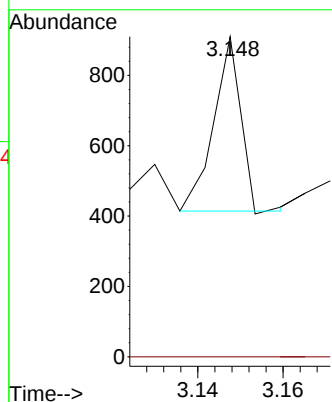
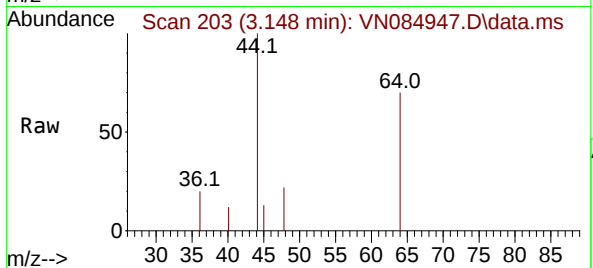




#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 20
Delta R.T. 0.030 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

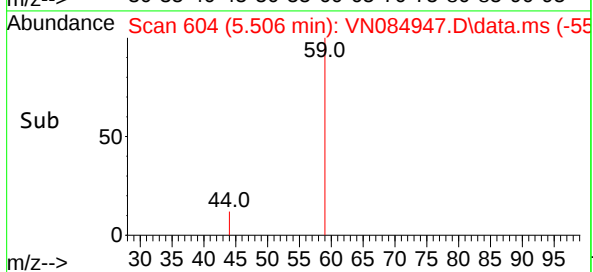
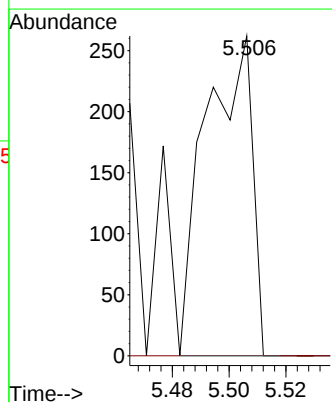
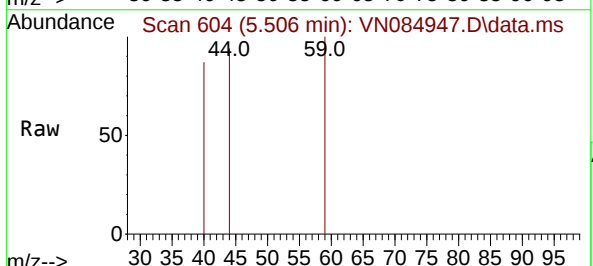
Instrument :
MSVOA_N
ClientSampleId :

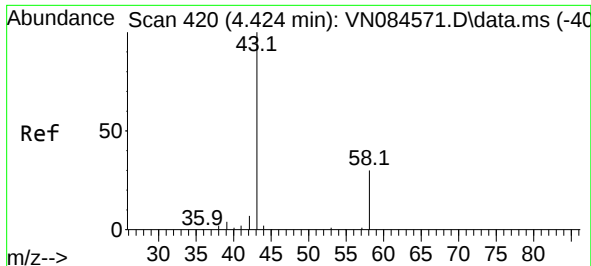
Tgt Ion: 64 Resp: 220
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.923 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

Instrument :

MSVOA_N

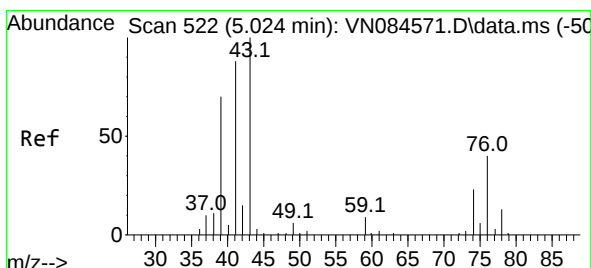
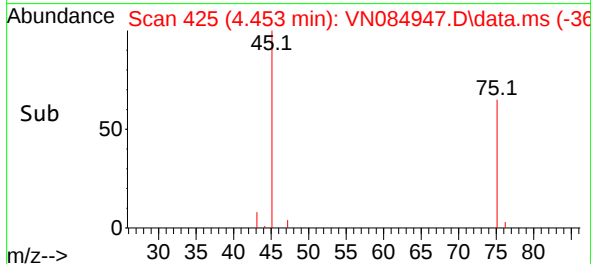
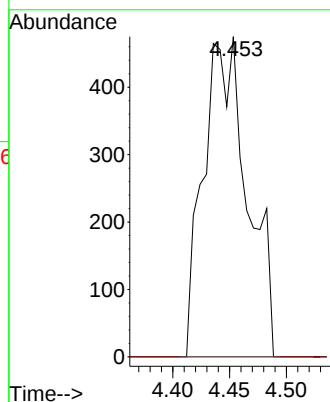
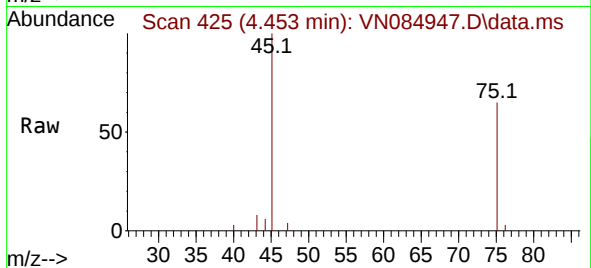
ClientSampleId :

Tgt Ion: 43 Resp: 1277

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN084947.D

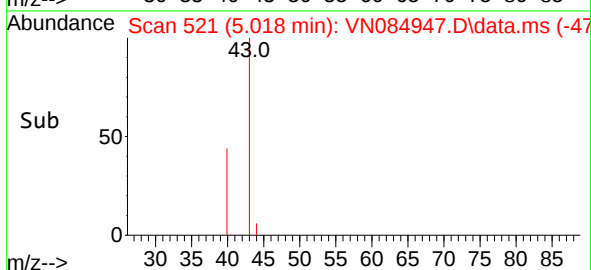
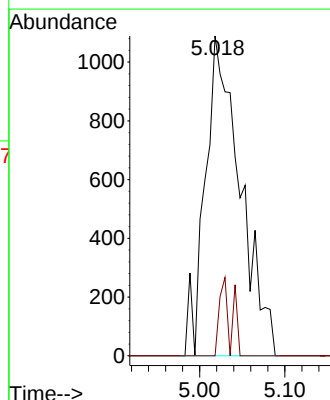
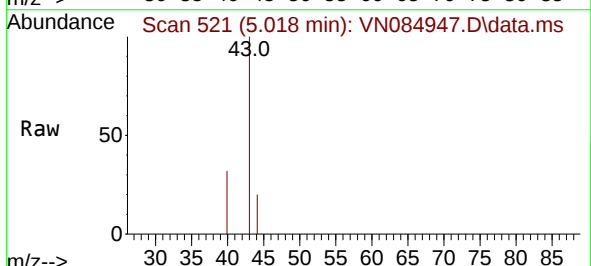
Acq: 19 Nov 2024 15:15

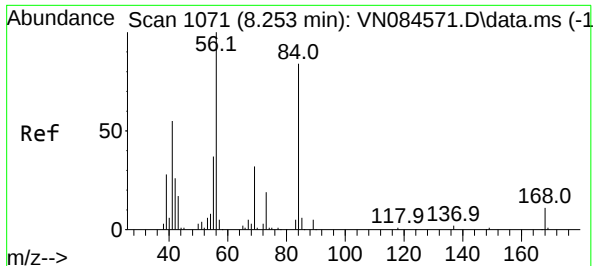
Tgt Ion: 43 Resp: 3118

Ion Ratio Lower Upper

43 100

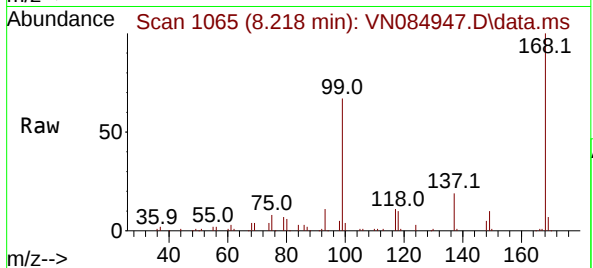
74 8.1 19.2 28.8#



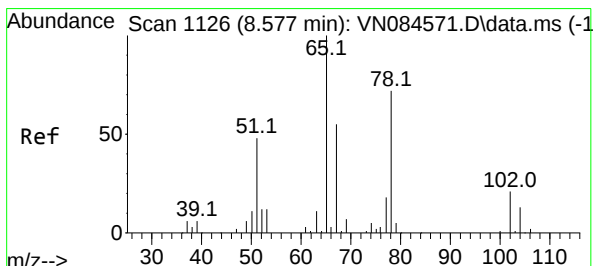
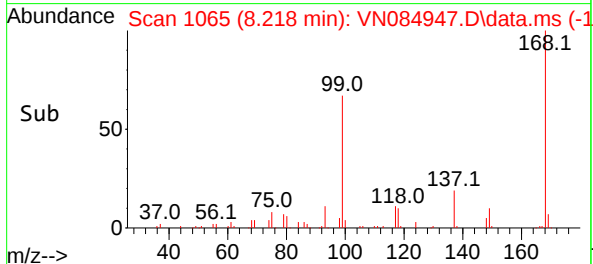
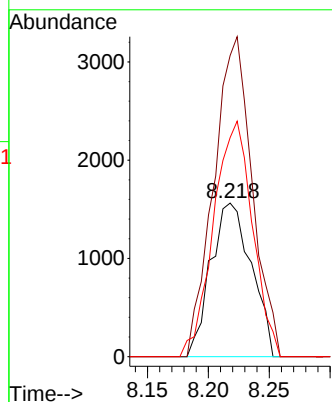


#31
Cyclohexane
Concen: 1.063 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

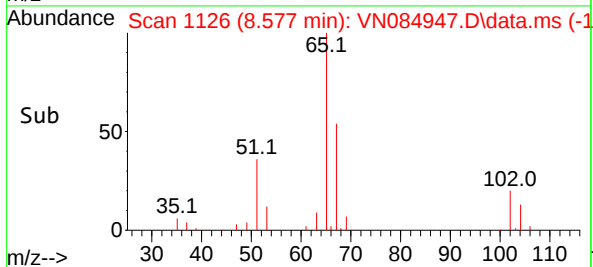
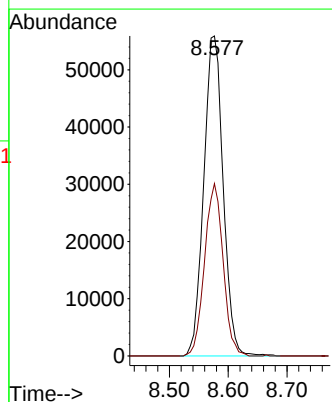
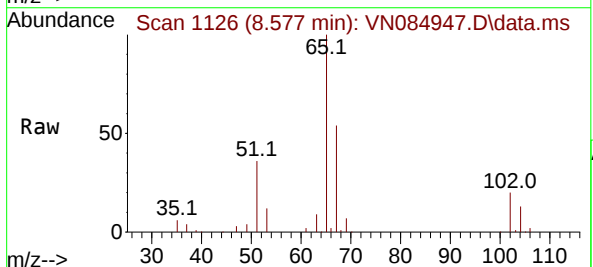


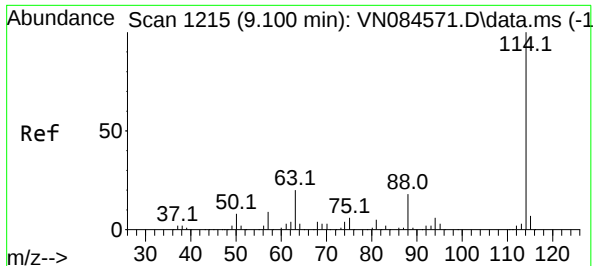
Tgt Ion: 56 Resp: 3615
Ion Ratio Lower Upper
56 100
69 196.1 23.8 35.6#
84 142.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.044 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion: 65 Resp: 128145
Ion Ratio Lower Upper
65 100
67 51.4 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: VN084947.D

Acq: 19 Nov 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

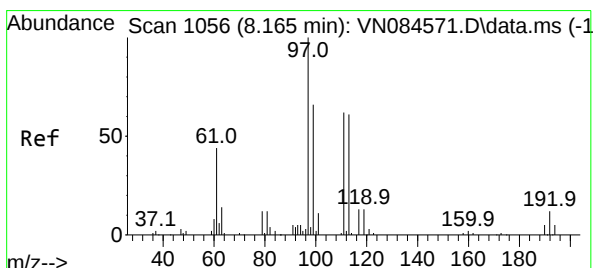
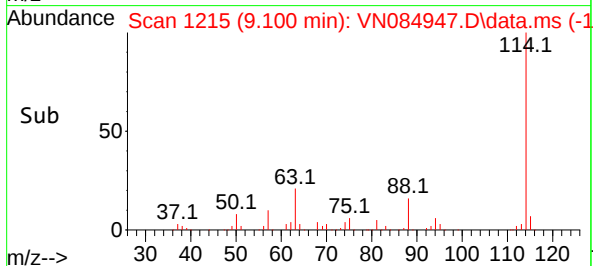
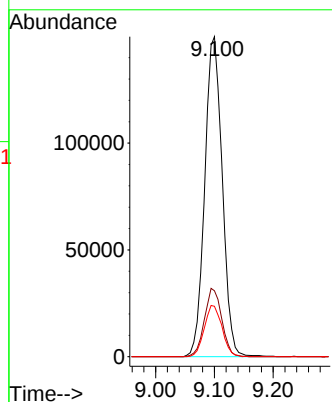
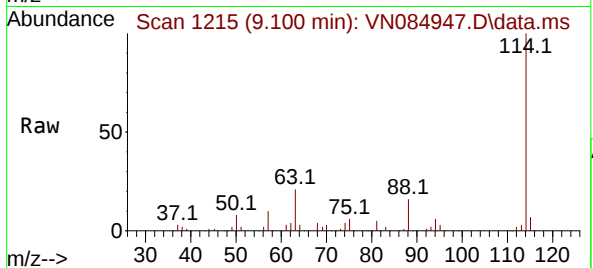
Tgt Ion:114 Resp: 309568

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

88 15.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.991 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

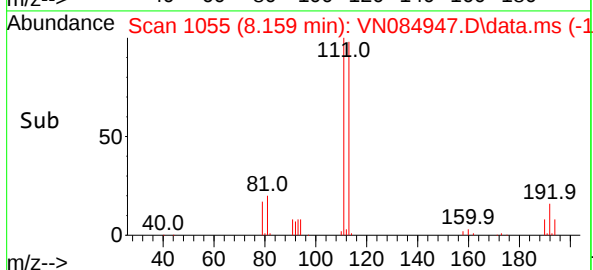
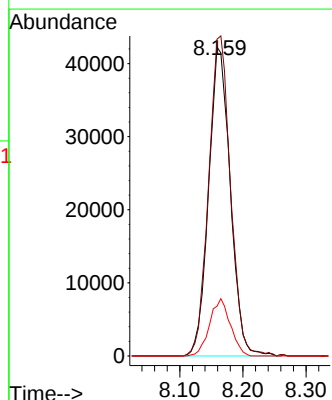
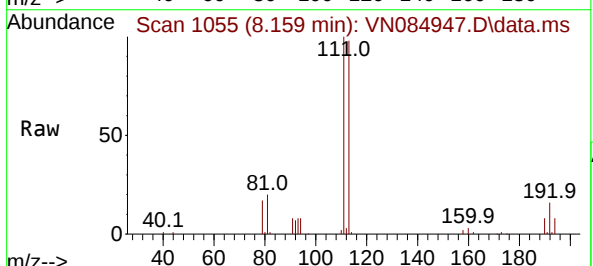
Tgt Ion:113 Resp: 100560

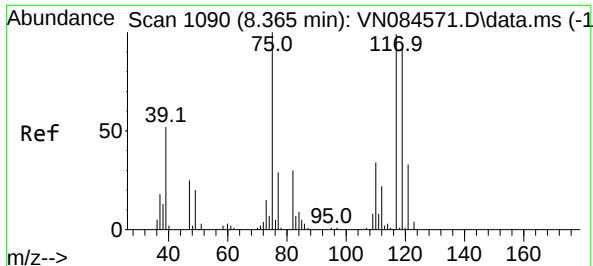
Ion Ratio Lower Upper

113 100

111 104.4 83.3 124.9

192 17.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.949 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

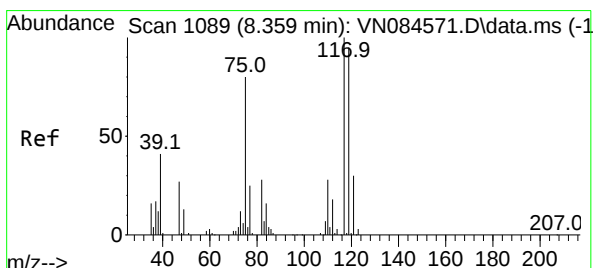
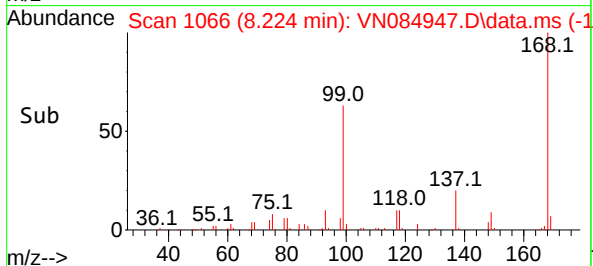
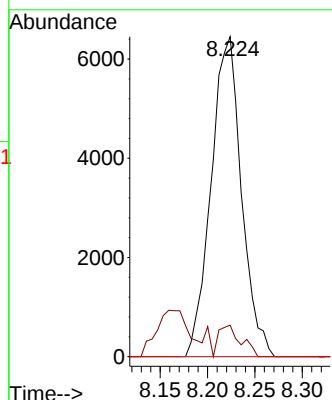
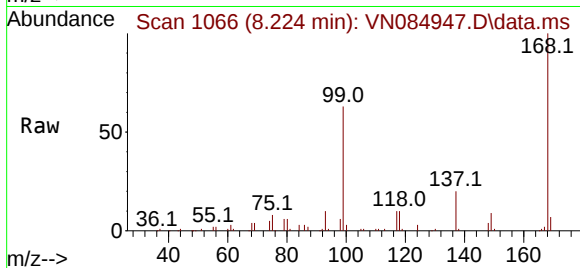
Tgt Ion: 75 Resp: 14383

Ion Ratio Lower Upper

75 100

110 7.2 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.727 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

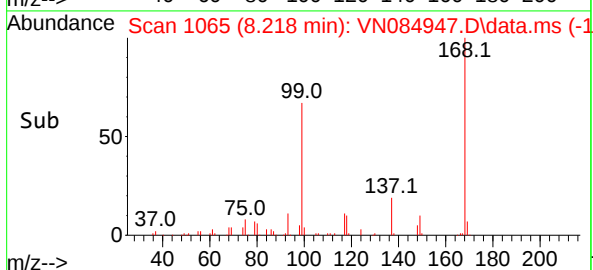
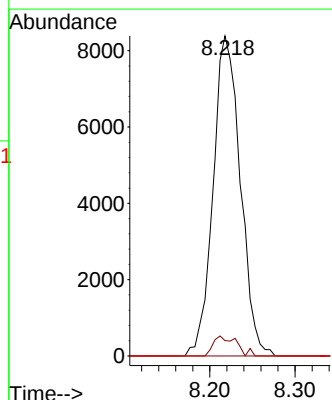
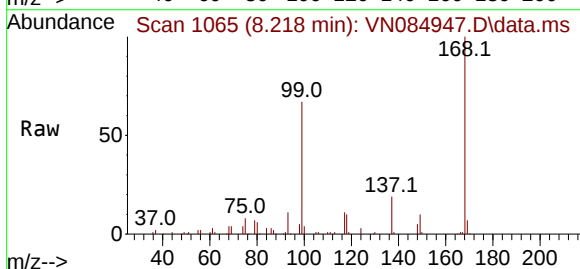
Tgt Ion: 117 Resp: 18602

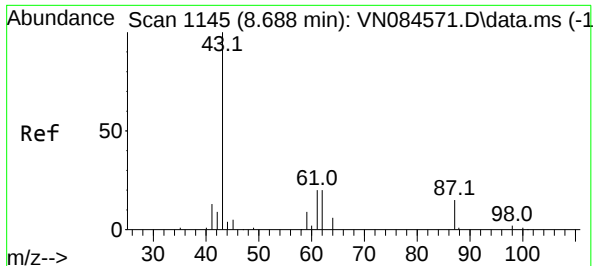
Ion Ratio Lower Upper

117 100

119 4.8 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.659 min Scan# 1145

Delta R.T. -0.029 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

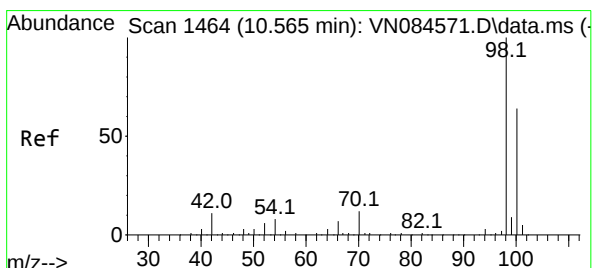
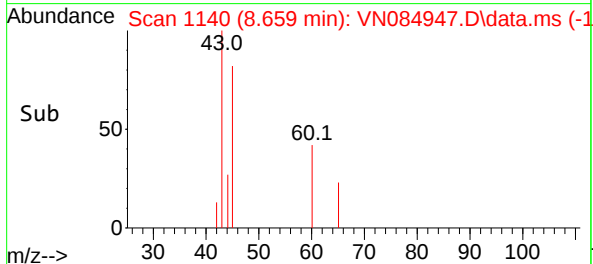
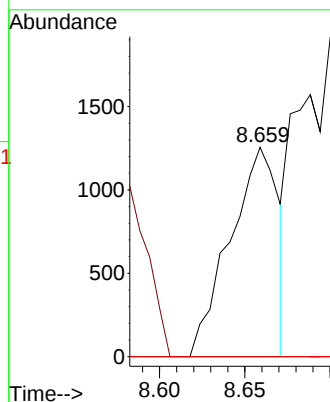
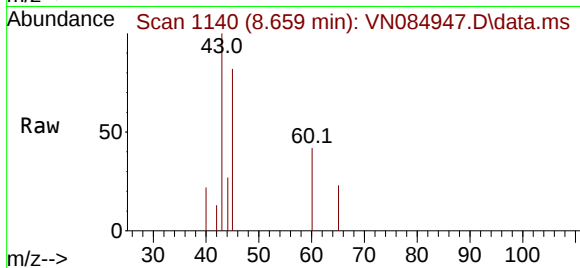
Tgt Ion: 43 Resp: 2471

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 46.122 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084947.D

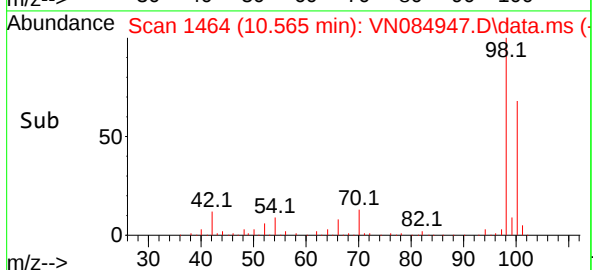
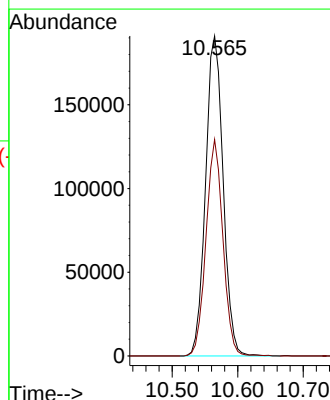
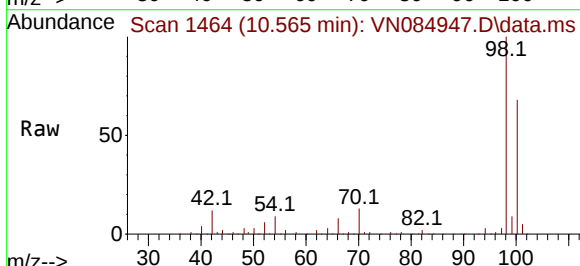
Acq: 19 Nov 2024 15:15

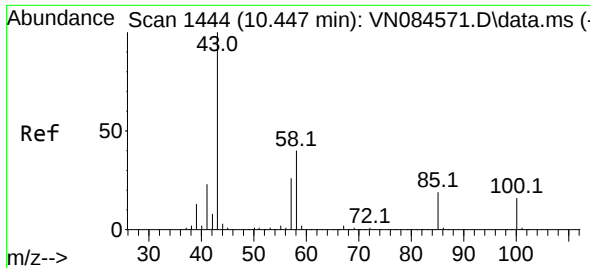
Tgt Ion: 98 Resp: 356007

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

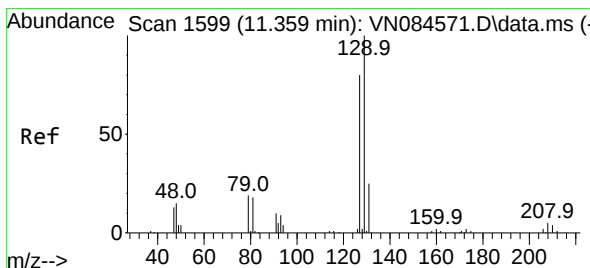
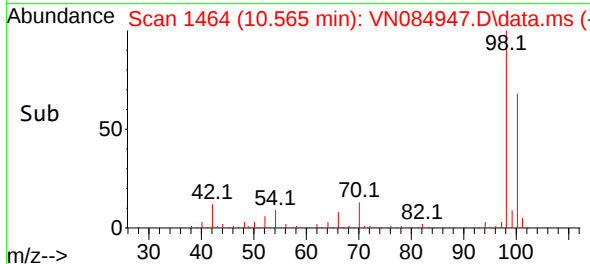
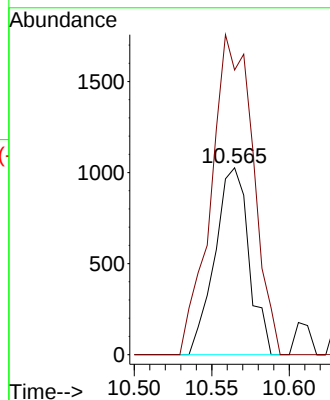
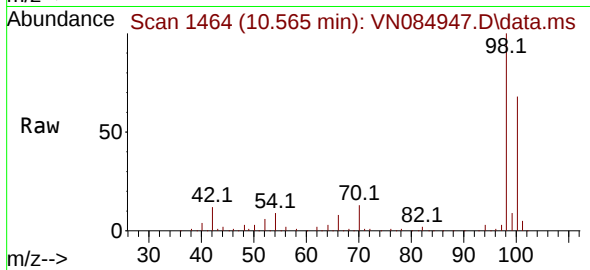




#51
4-Methyl-2-Pentanone
Concen: 0.624 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

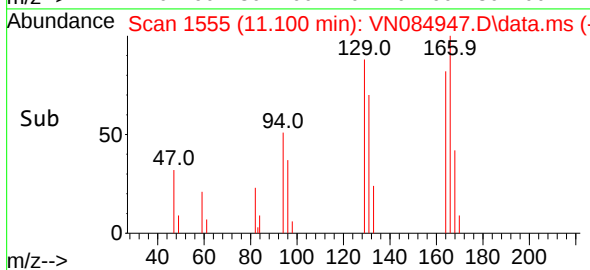
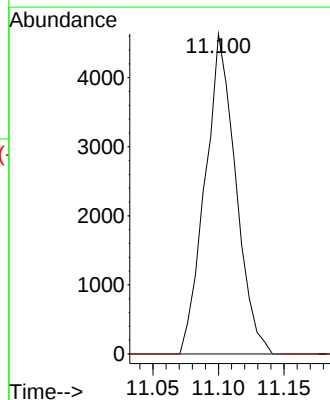
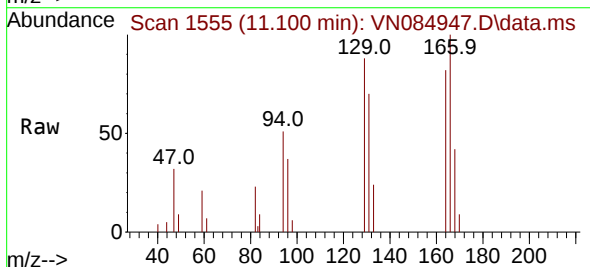
Instrument :
MSVOA_N
ClientSampleId :

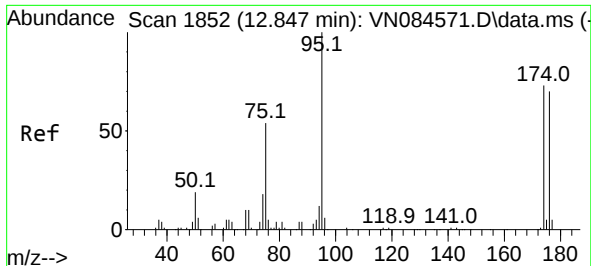
Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 210.8 31.6 47.4#



#60
Dibromochloromethane
Concen: 3.215 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion: 129 Resp: 7533
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

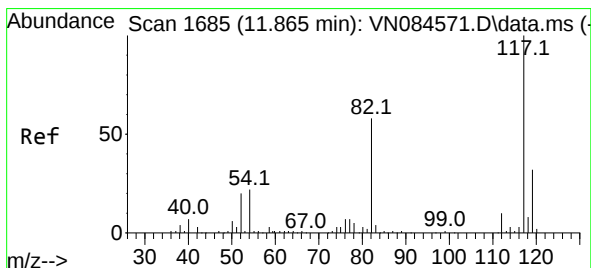
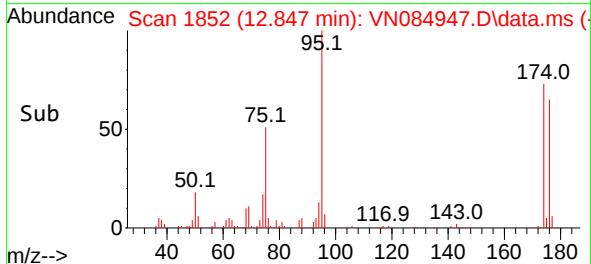
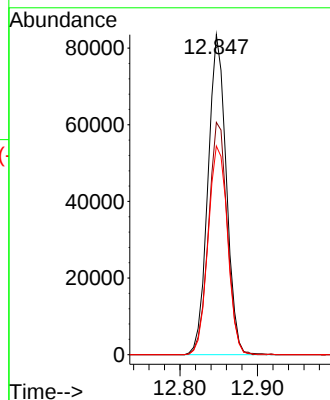
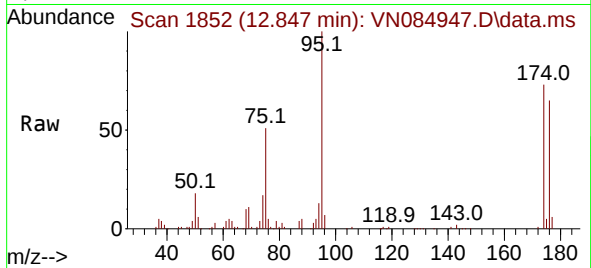




#62
4-Bromofluorobenzene
Concen: 47.563 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

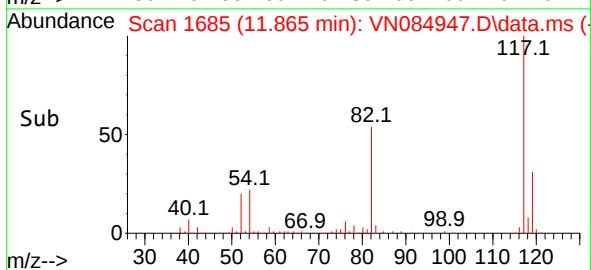
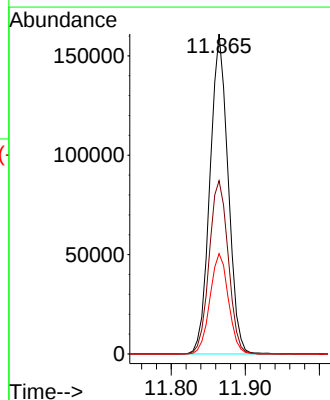
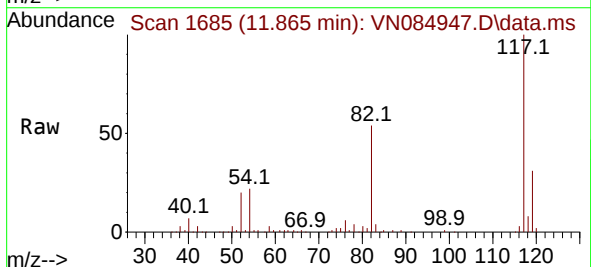
Instrument :
MSVOA_N
ClientSampleId :

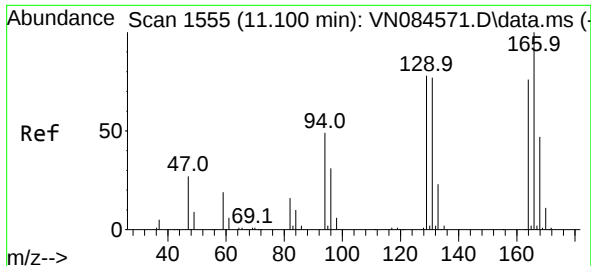
Tgt Ion: 95 Resp: 137208
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.2
176 69.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

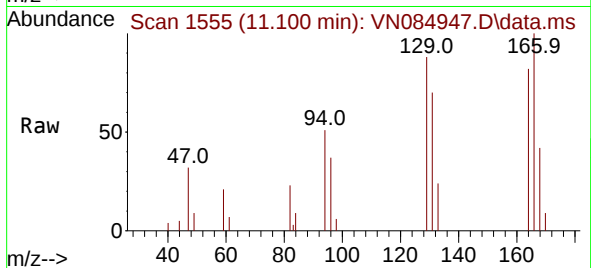
Tgt Ion: 117 Resp: 273801
Ion Ratio Lower Upper
117 100
82 54.2 47.2 70.8
119 31.3 25.4 38.0



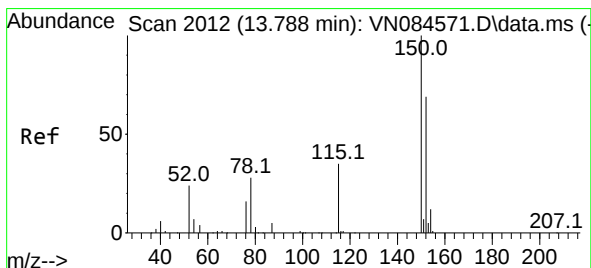
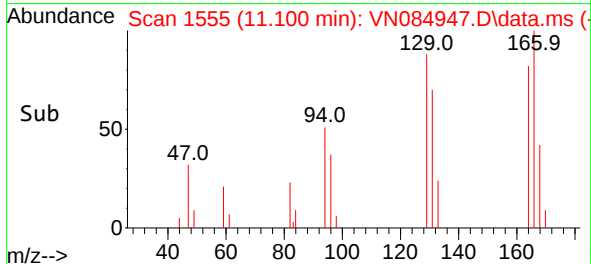
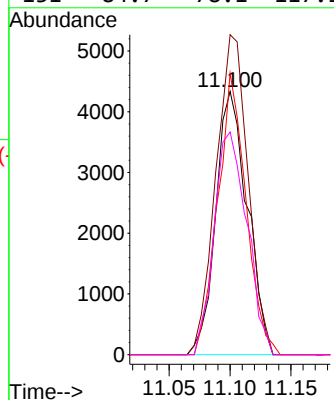


#64
Tetrachloroethene
Concen: 4.274 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

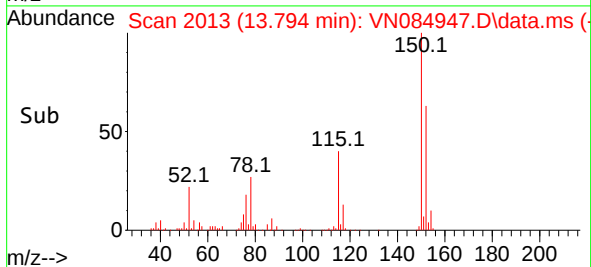
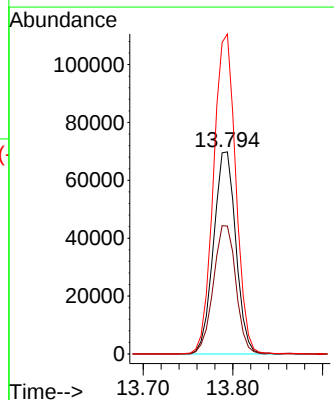
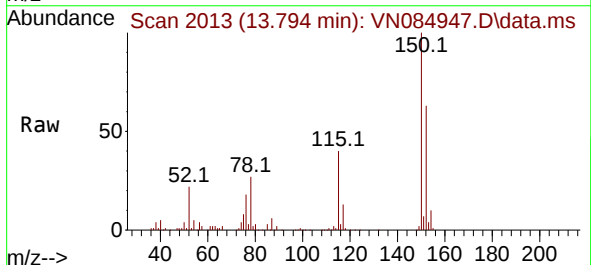


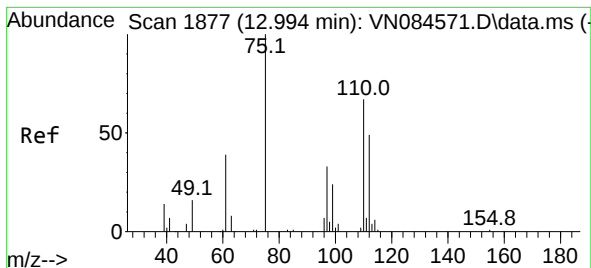
Tgt Ion:164 Resp: 7784
Ion Ratio Lower Upper
164 100
166 121.6 101.0 151.4
129 106.9 80.8 121.2
131 84.7 78.1 117.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084947.D
Acq: 19 Nov 2024 15:15

Tgt Ion:152 Resp: 120403
Ion Ratio Lower Upper
152 100
115 64.2 31.3 93.9
150 158.2 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.496 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

Instrument :

MSVOA_N

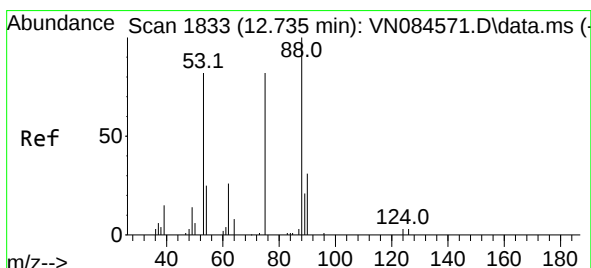
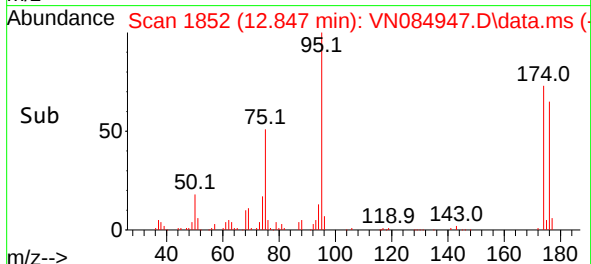
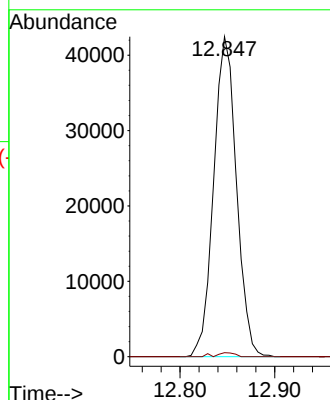
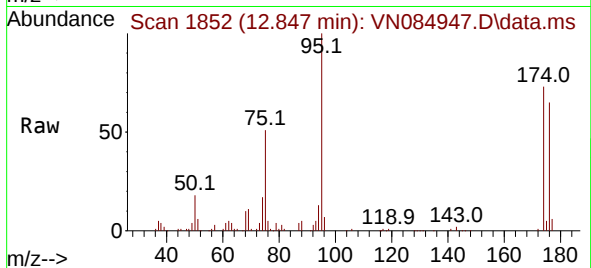
ClientSampleId :

Tgt Ion: 75 Resp: 70990

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.975 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

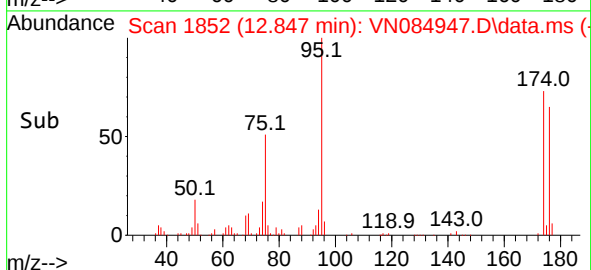
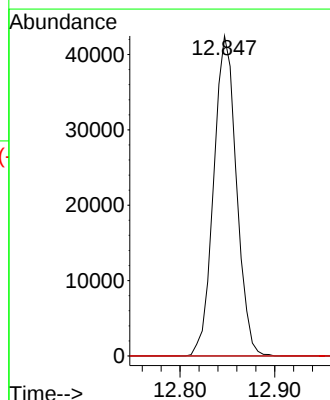
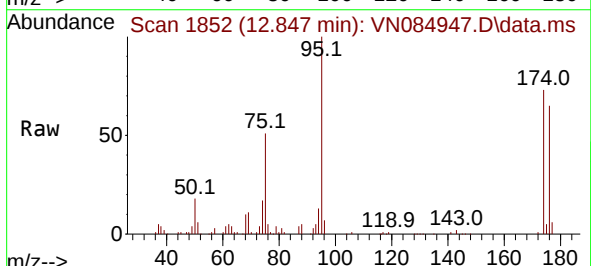
Tgt Ion: 75 Resp: 70990

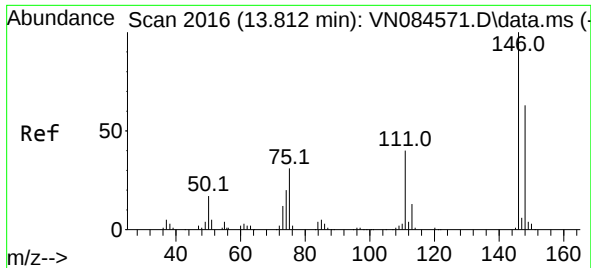
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 20

Delta R.T. -0.006 min

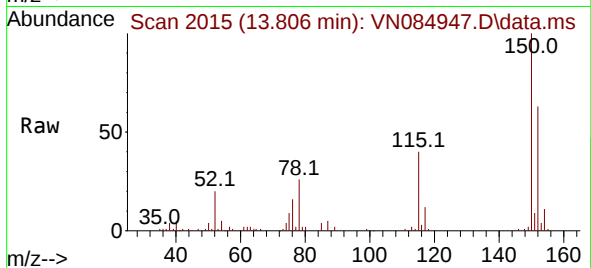
Lab File: VN084947.D

Acq: 19 Nov 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 376

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 114.4 31.9 95.9#

