

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084169.D
 Acq On : 25 Sep 2024 18:59
 Operator : JC\MD
 Sample : P4116-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:37:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	147282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106468	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119190	53.670	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.340%
35) Dibromofluoromethane	8.165	113	87627	52.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.200%
50) Toluene-d8	10.565	98	328514	56.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	113.000%
62) 4-Bromofluorobenzene	12.847	95	118039	49.205	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.420%

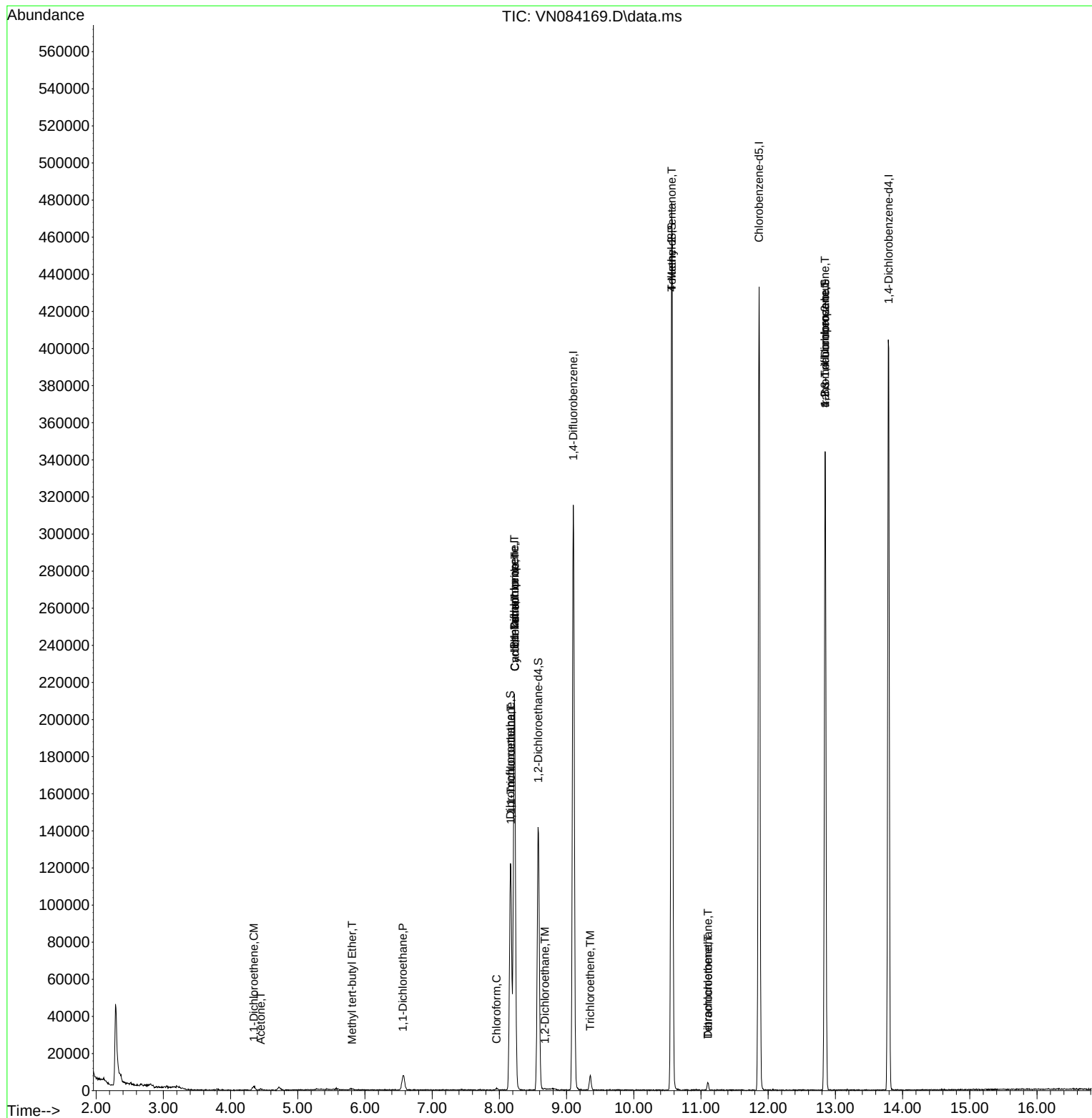
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1668	Below Cal	#	83
12) 1,1-Dichloroethene	4.347	96	1421	0.892	ug/l #	82
16) Acetone	4.447	43	1419	1.594	ug/l #	73
19) Methyl tert-butyl Ether	5.806	73	1595	0.277	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	12666	3.762	ug/l	97
30) Chloroform	7.959	83	1077	0.301	ug/l	99
31) Cyclohexane	8.229	56	3456	1.077	ug/l #	12
32) 1,1,1-Trichloroethane	8.171	97	989	0.301	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	13632	5.385	ug/l #	51
38) Carbon Tetrachloride	8.229	117	17000	5.919	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	624	0.219	ug/l #	77
44) Trichloroethene	9.353	130	3178	1.801	ug/l	83
51) 4-Methyl-2-Pentanone	10.565	43	1516	0.669	ug/l #	1
60) Dibromochloromethane	11.106	129	958	0.492	ug/l #	10
64) Tetrachloroethene	11.106	164	969	0.616	ug/l #	76
76) 1,2,3-Trichloropropane	12.847	75	65712	30.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65712	80.111	ug/l #	9

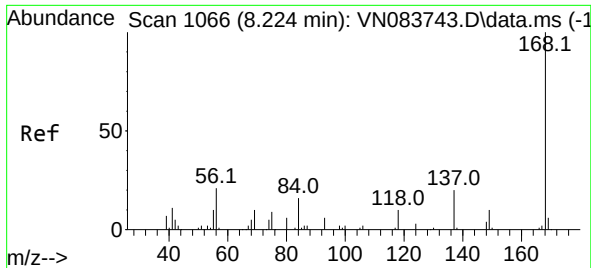
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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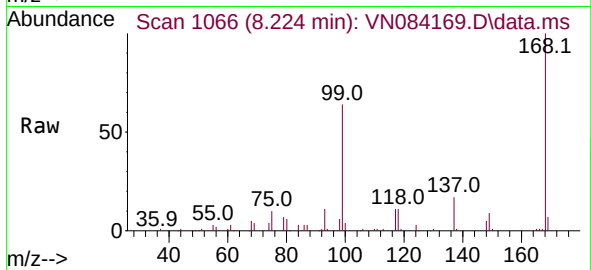
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



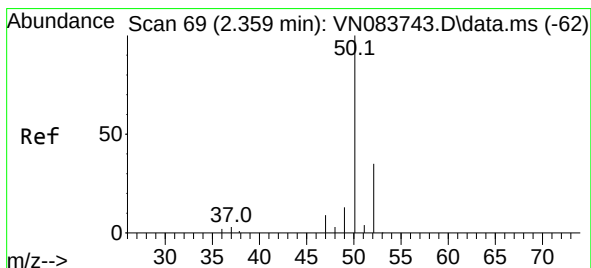
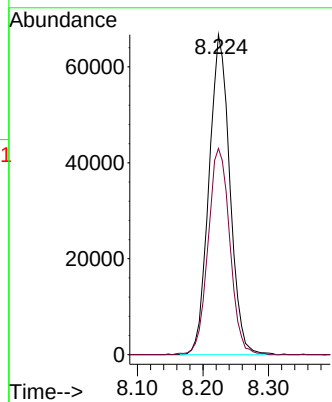
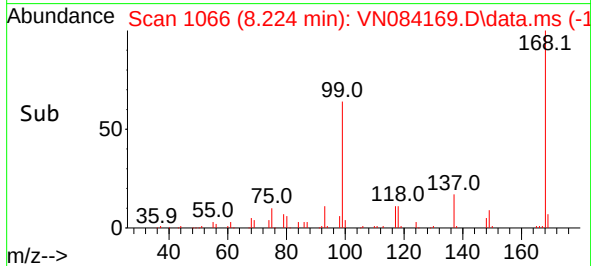


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :

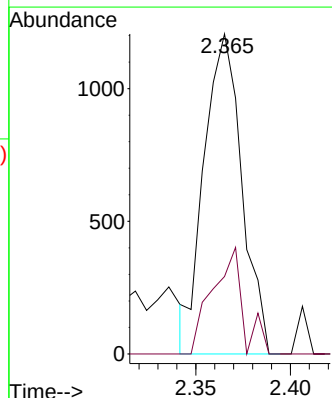
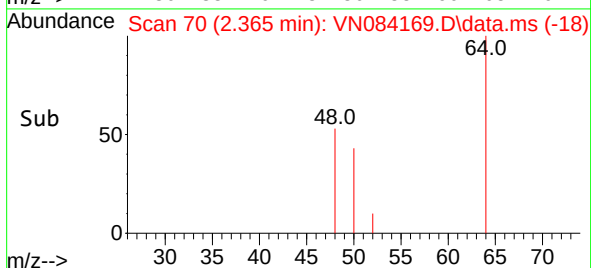
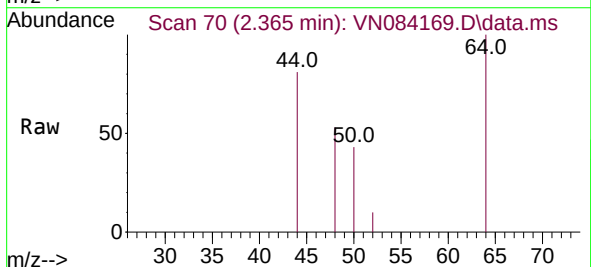


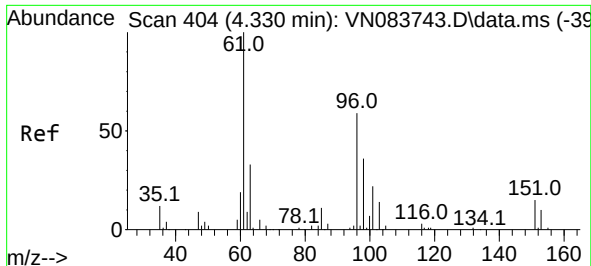
Tgt Ion:168 Resp: 147282
Ion Ratio Lower Upper
168 100
99 64.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Tgt Ion: 50 Resp: 1668
Ion Ratio Lower Upper
50 100
52 24.2 27.2 40.8#





#12

1,1-Dichloroethene

Concen: 0.892 ug/l

RT: 4.347 min Scan# 404

Delta R.T. 0.018 min

Lab File: VN084169.D

Acq: 25 Sep 2024 18:59

Instrument :

MSVOA_N

ClientSampleId :

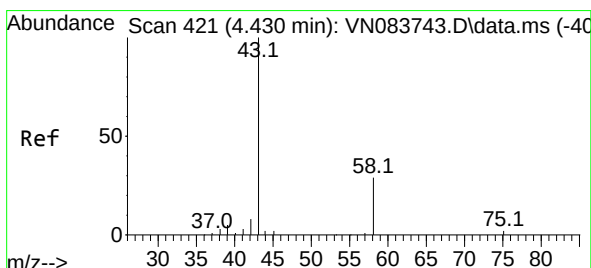
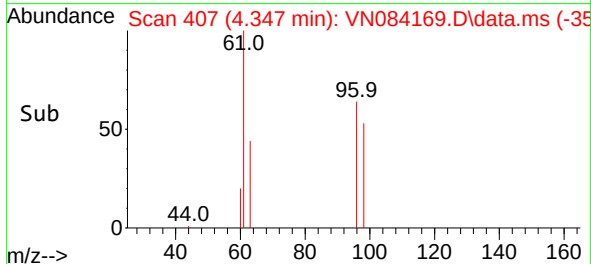
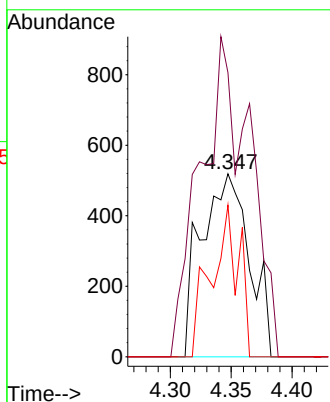
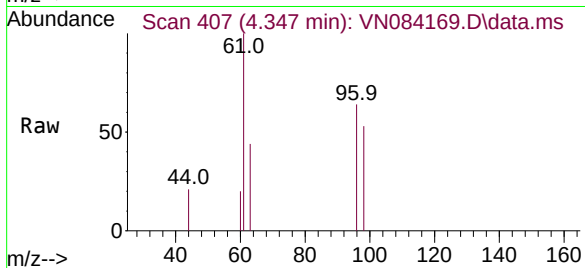
Tgt Ion: 96 Resp: 1421

Ion Ratio Lower Upper

96 100

61 155.3 143.4 215.0

98 82.9 52.7 79.1#



#16

Acetone

Concen: 1.594 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.018 min

Lab File: VN084169.D

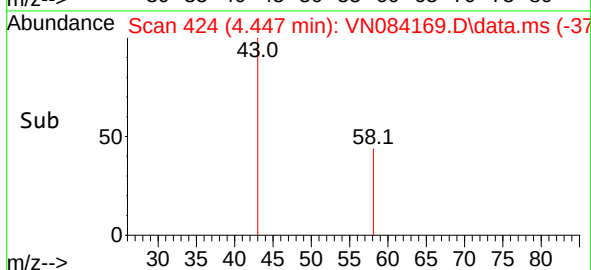
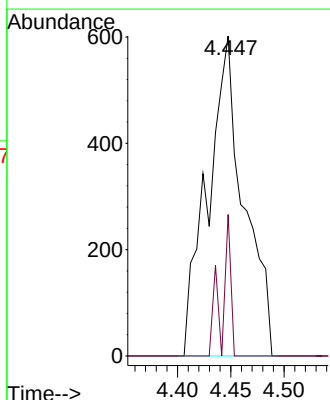
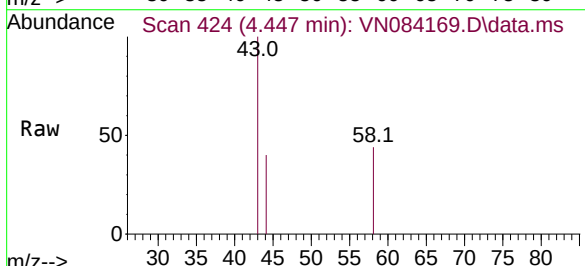
Acq: 25 Sep 2024 18:59

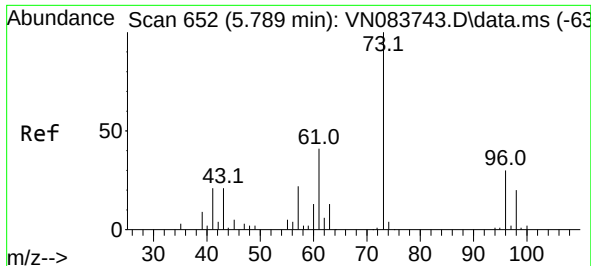
Tgt Ion: 43 Resp: 1419

Ion Ratio Lower Upper

43 100

58 44.2 23.7 35.5#

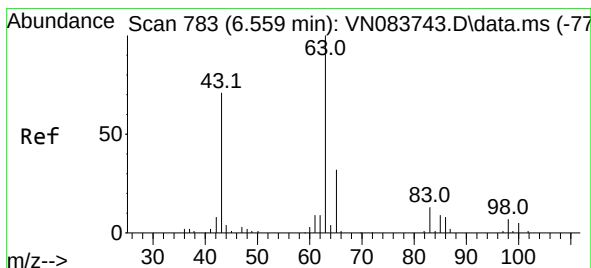
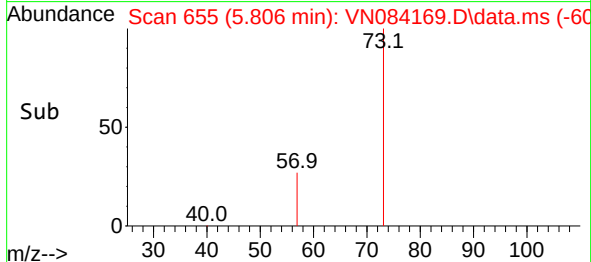
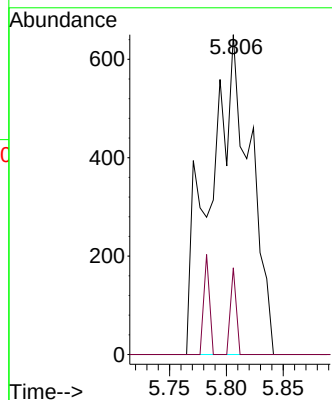
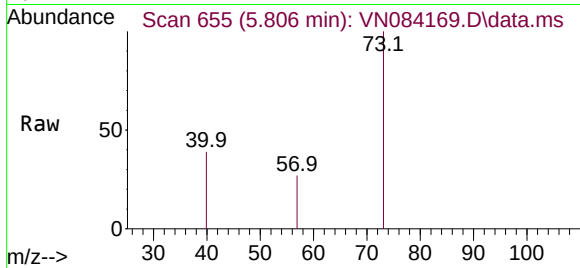




#19
Methyl tert-butyl Ether
Concen: 0.277 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

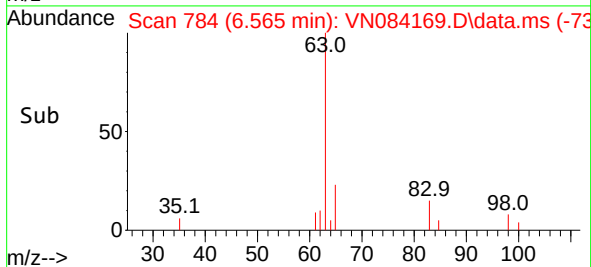
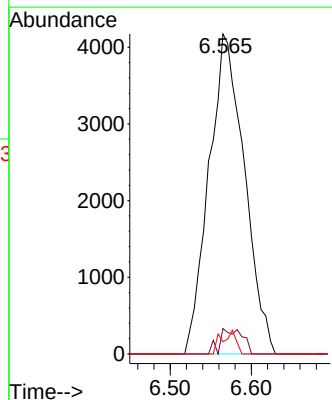
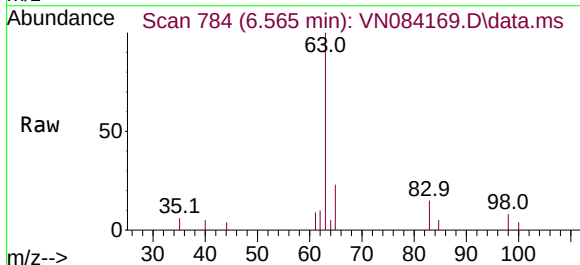
Instrument :
MSVOA_N
ClientSampleId :

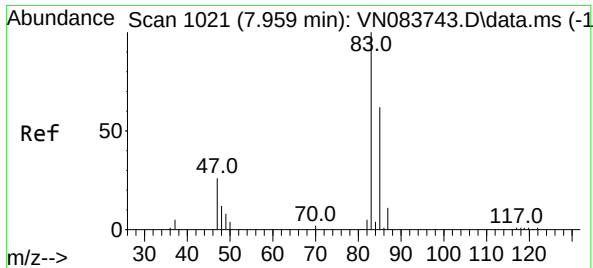
Tgt Ion: 73 Resp: 1595
Ion Ratio Lower Upper
73 100
57 27.1 17.0 25.6#



#24
1,1-Dichloroethane
Concen: 3.762 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Tgt Ion: 63 Resp: 12666
Ion Ratio Lower Upper
63 100
98 8.0 3.5 10.4
100 3.8 2.5 7.5

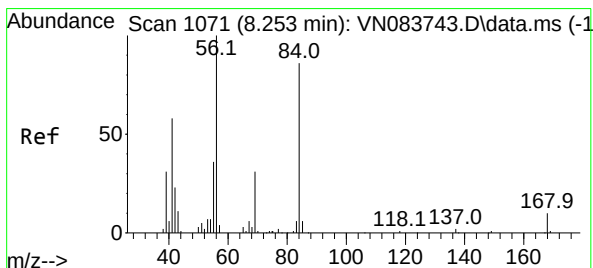
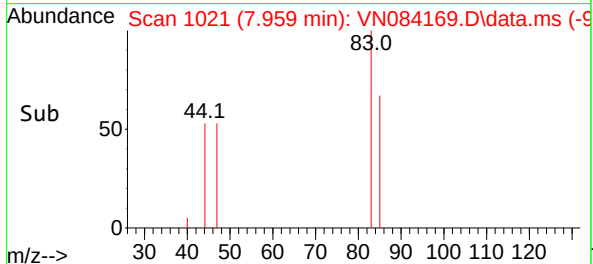
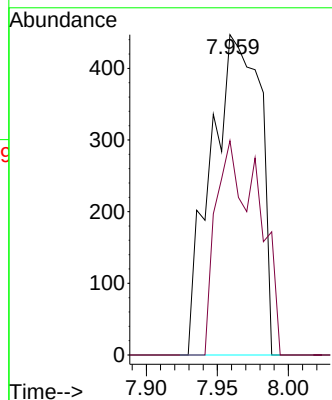
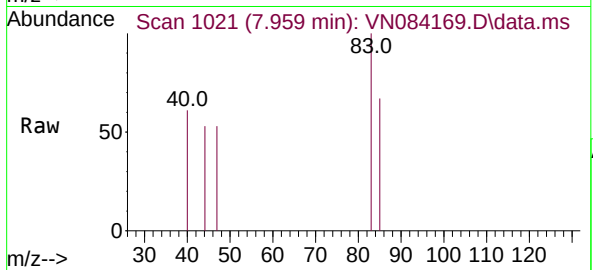




#30
Chloroform
Concen: 0.301 ug/l
RT: 7.959 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

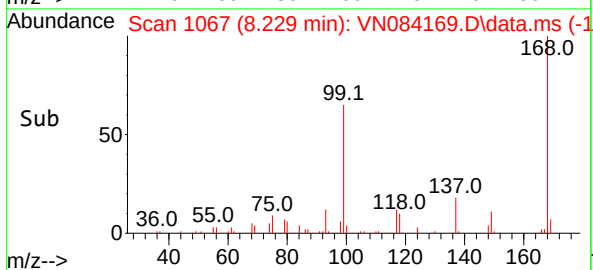
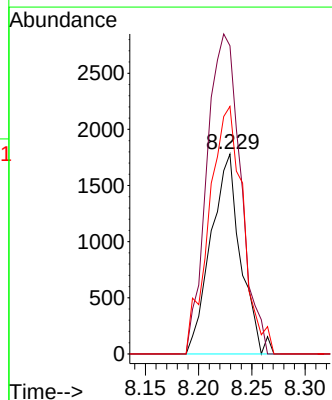
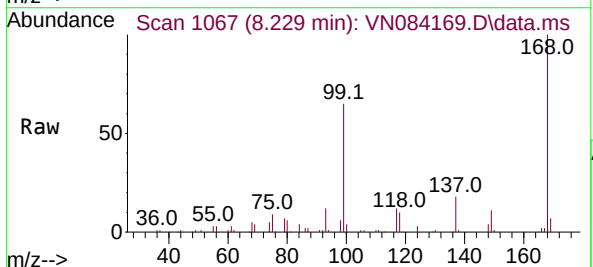
Instrument :
MSVOA_N
ClientSampleId :

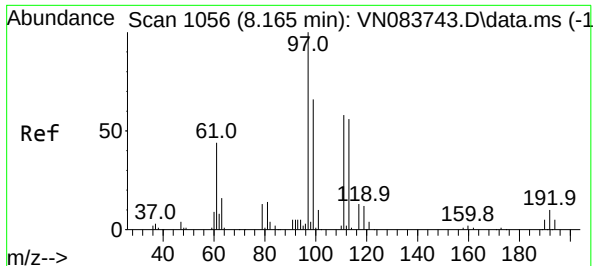
Tgt Ion: 83 Resp: 1077
Ion Ratio Lower Upper
83 100
85 66.9 52.8 79.2



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

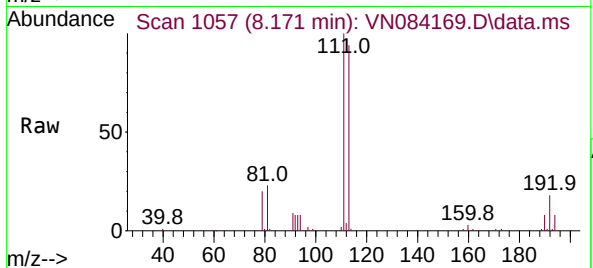
Tgt Ion: 56 Resp: 3456
Ion Ratio Lower Upper
56 100
69 154.2 26.9 40.3#
84 123.8 69.2 103.8#



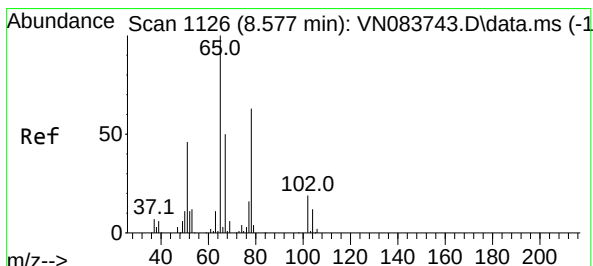
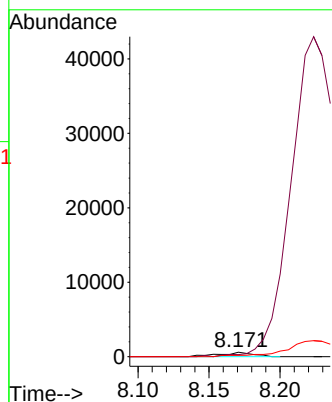
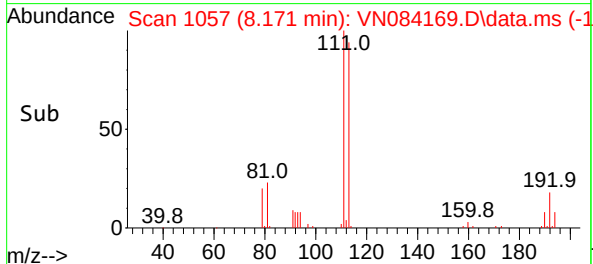


#32
1,1,1-Trichloroethane
Concen: 0.301 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :

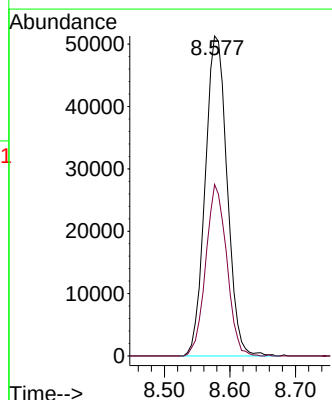
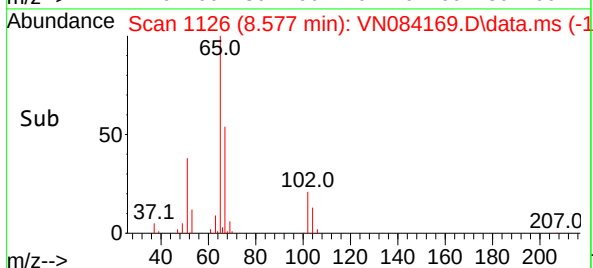
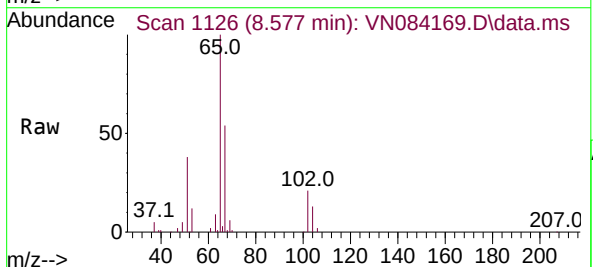


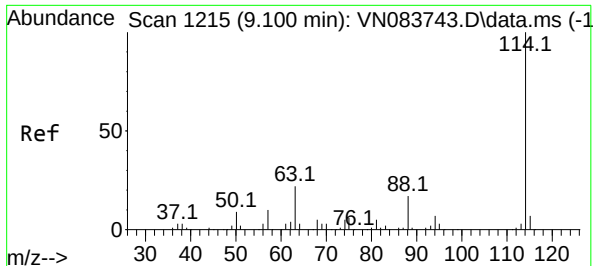
Tgt Ion: 97 Resp: 989
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 0.0 38.2 57.2#



#33
1,2-Dichloroethane-d4
Concen: 53.670 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Tgt Ion: 65 Resp: 119190
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084169.D

Acq: 25 Sep 2024 18:59

Instrument :

MSVOA_N

ClientSampleId :

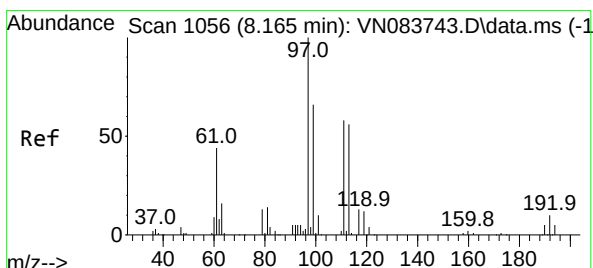
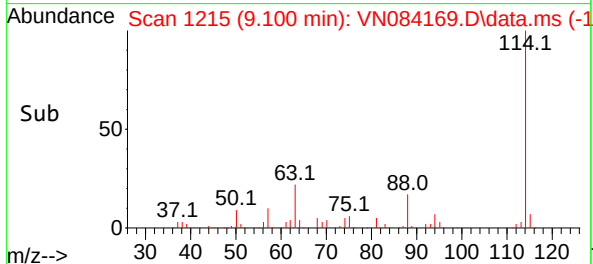
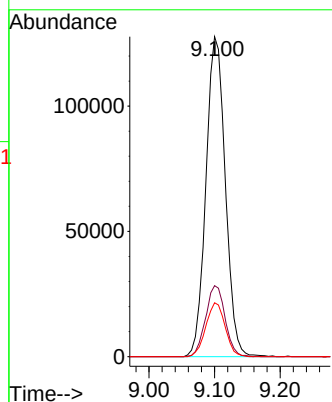
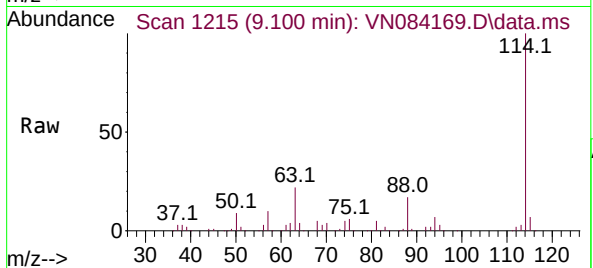
Tgt Ion:114 Resp: 262723

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.099 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084169.D

Acq: 25 Sep 2024 18:59

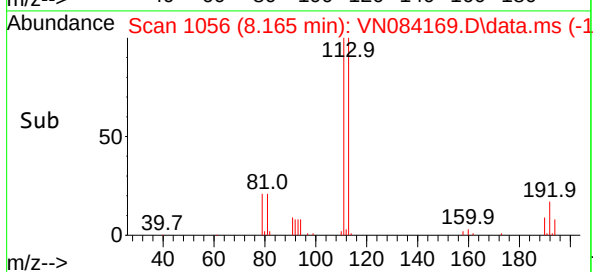
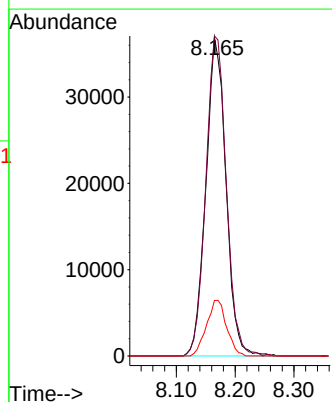
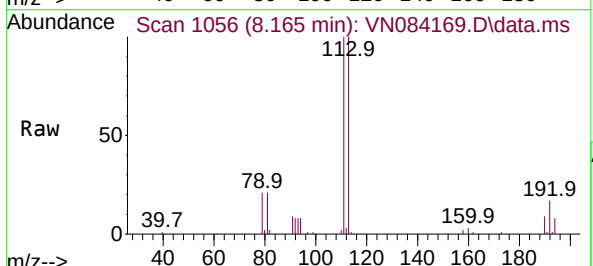
Tgt Ion:113 Resp: 87627

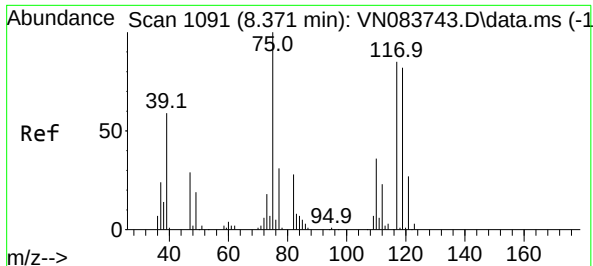
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.385 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084169.D

Acq: 25 Sep 2024 18:59

Instrument :

MSVOA_N

ClientSampleId :

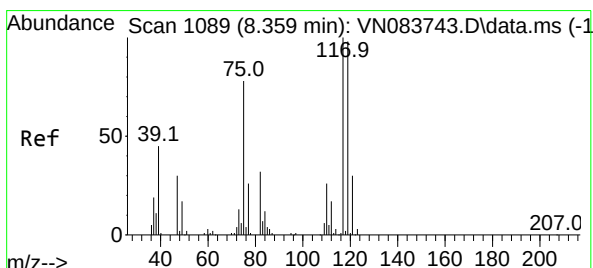
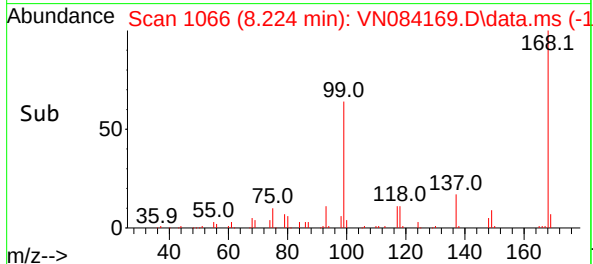
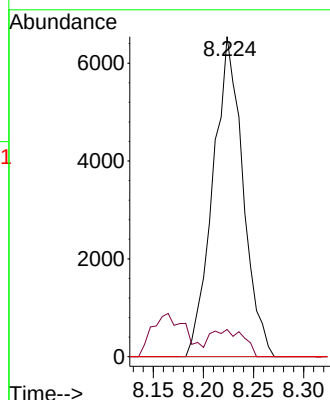
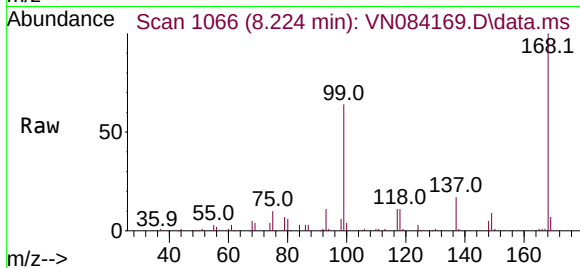
Tgt Ion: 75 Resp: 13632

Ion Ratio Lower Upper

75 100

110 9.3 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.919 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN084169.D

Acq: 25 Sep 2024 18:59

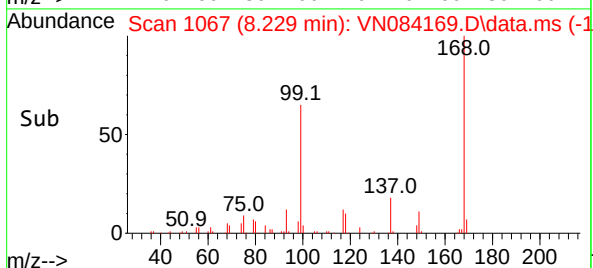
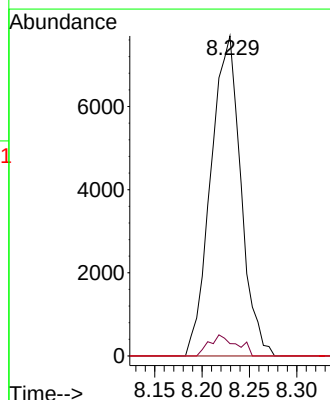
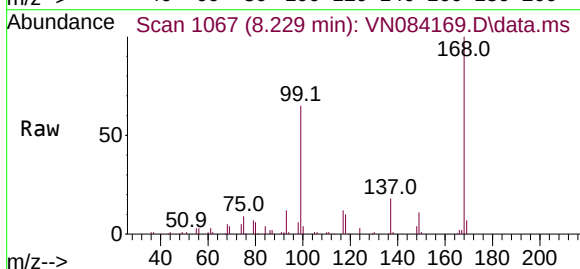
Tgt Ion: 117 Resp: 17000

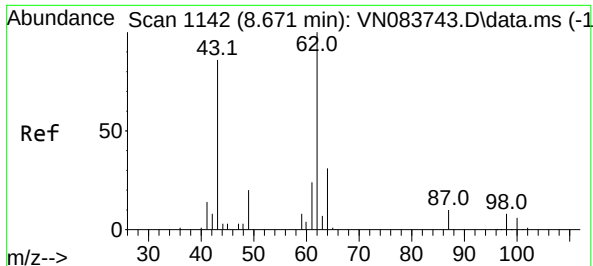
Ion Ratio Lower Upper

117 100

119 3.9 76.1 114.1#

121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.219 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084169.D

Acq: 25 Sep 2024 18:59

Instrument :

MSVOA_N

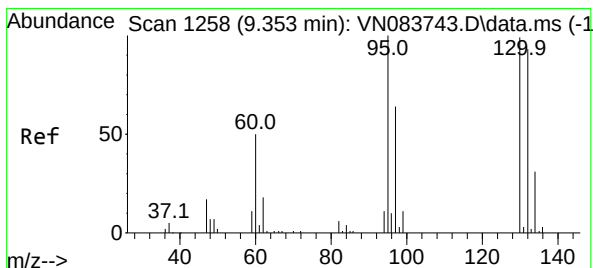
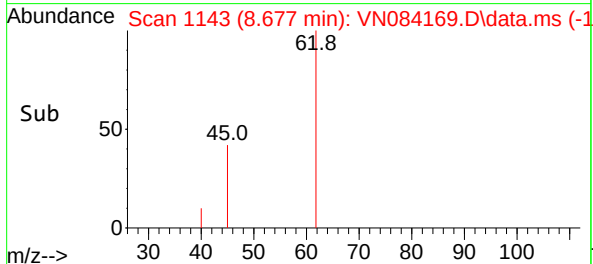
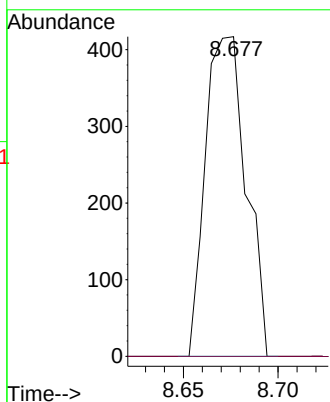
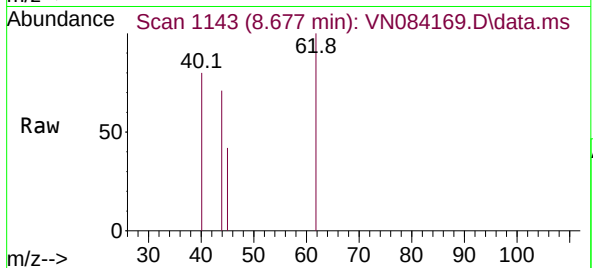
ClientSampleId :

Tgt Ion: 62 Resp: 624

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#44

Trichloroethene

Concen: 1.801 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084169.D

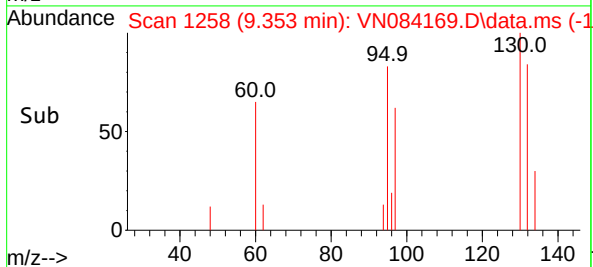
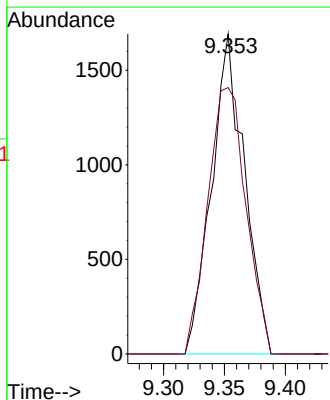
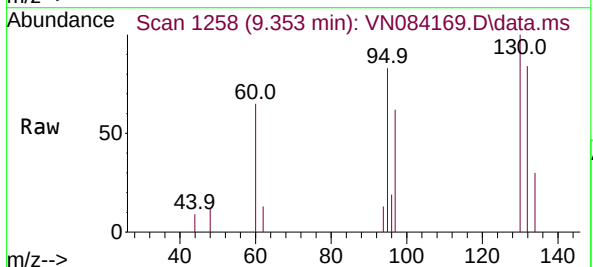
Acq: 25 Sep 2024 18:59

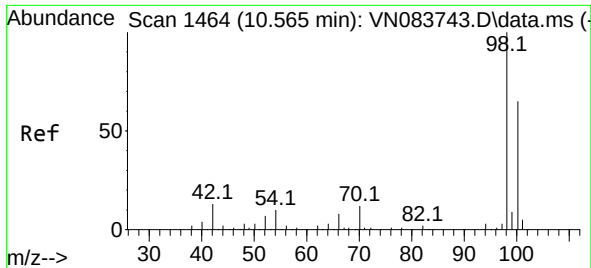
Tgt Ion: 130 Resp: 3178

Ion Ratio Lower Upper

130 100

95 83.3 0.0 200.4

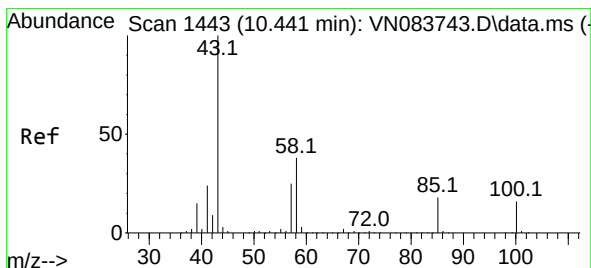
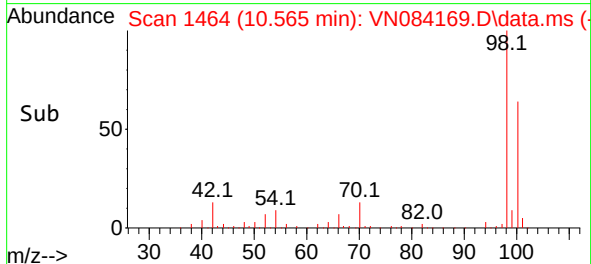
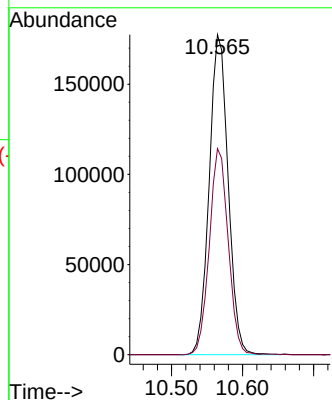
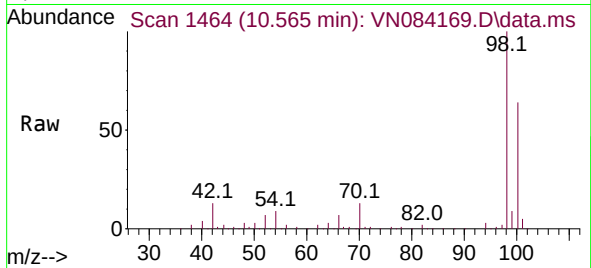




#50
Toluene-d8
Concen: 56.499 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

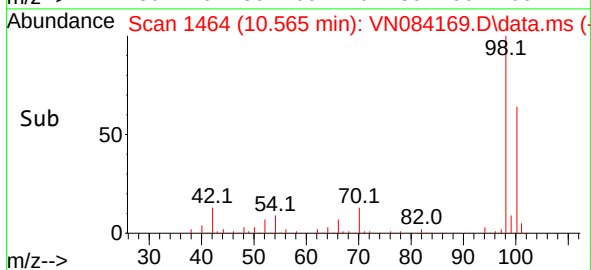
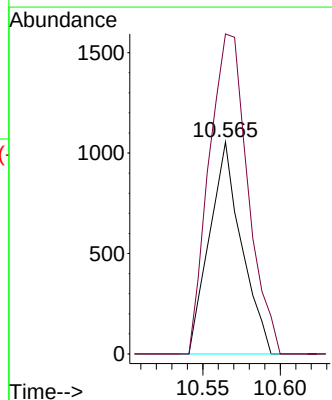
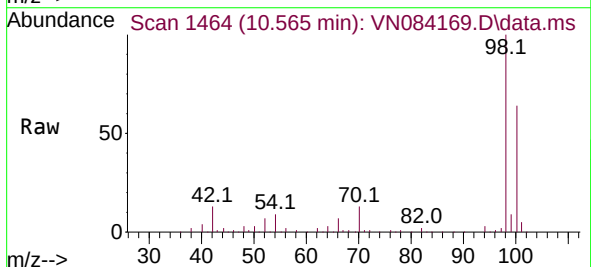
Instrument :
MSVOA_N
ClientSampleId :

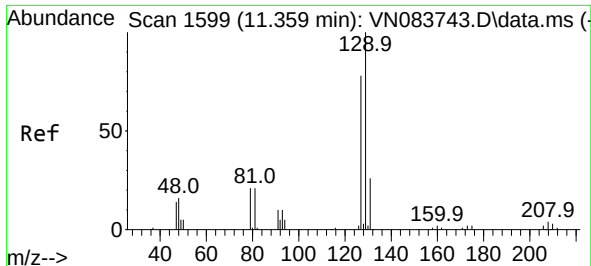
Tgt Ion: 98 Resp: 328514
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.669 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
58 182.7 31.6 47.4#

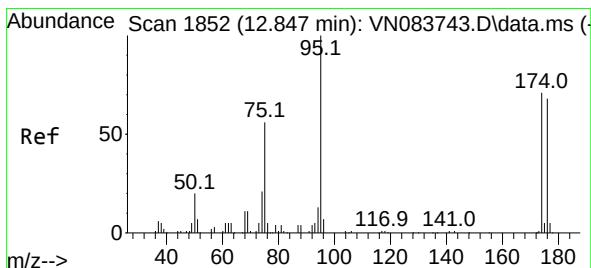
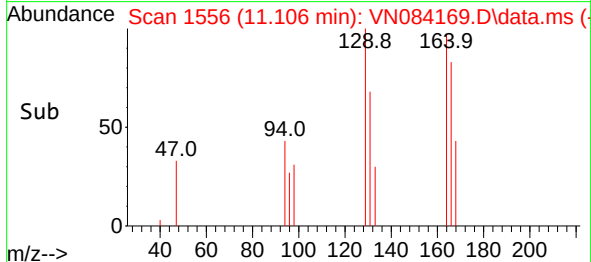
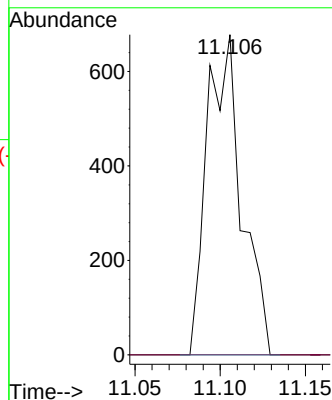
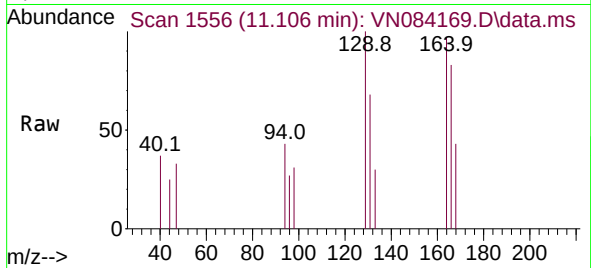




#60
Dibromochloromethane
Concen: 0.492 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

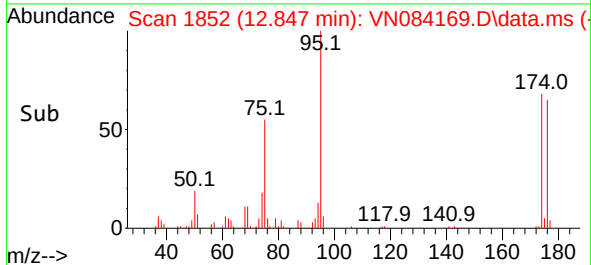
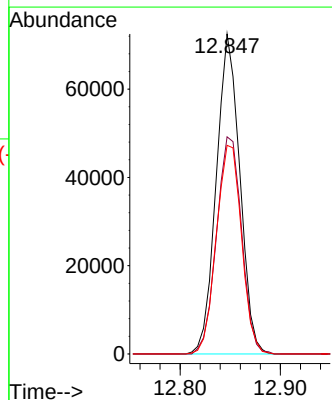
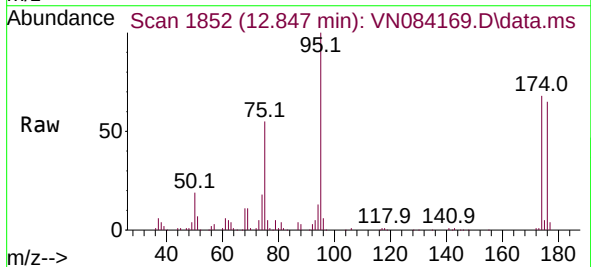
Instrument :
MSVOA_N
ClientSampleId :

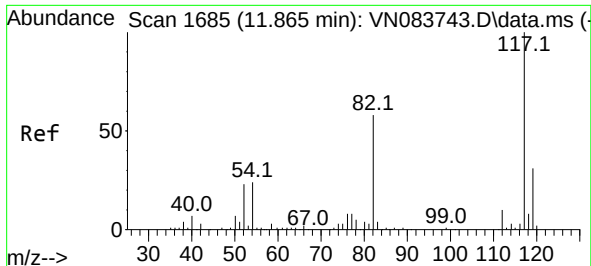
Tgt Ion:129 Resp: 958
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 49.205 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

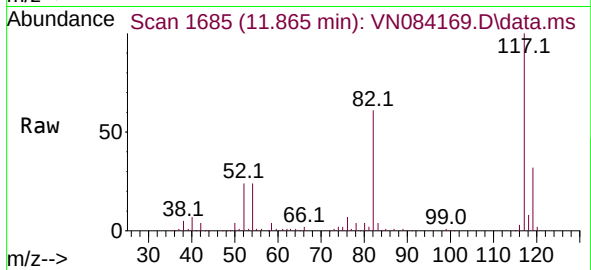
Tgt Ion: 95 Resp: 118039
Ion Ratio Lower Upper
95 100
174 72.3 0.0 139.8
176 69.9 0.0 131.4



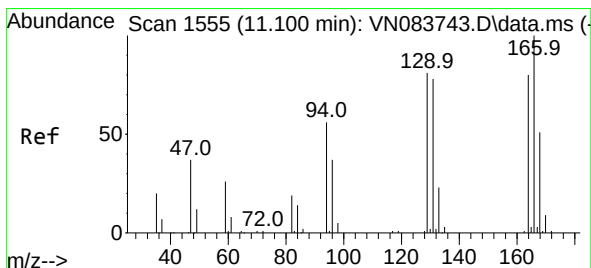
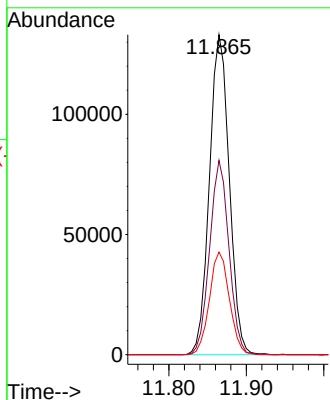
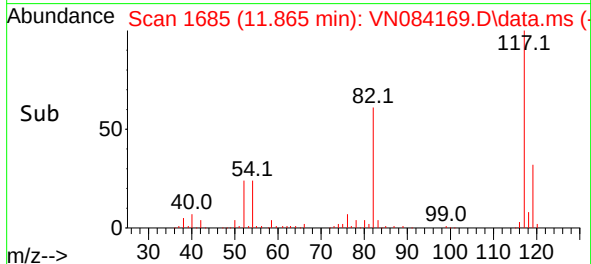


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :

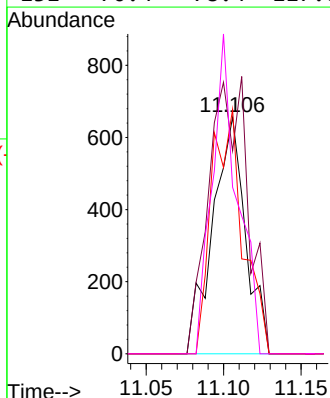
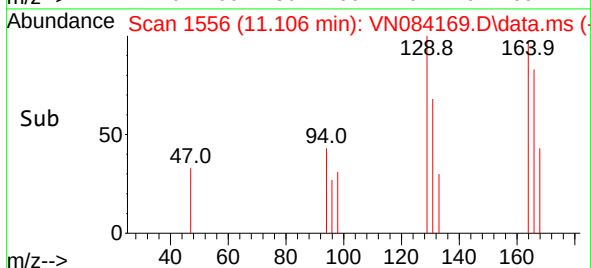
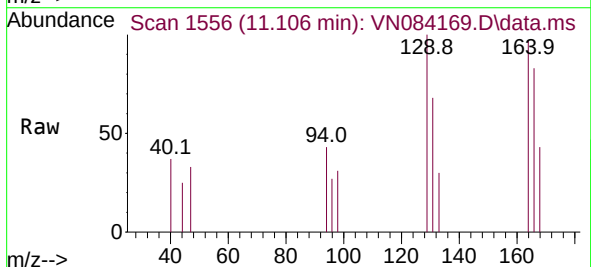


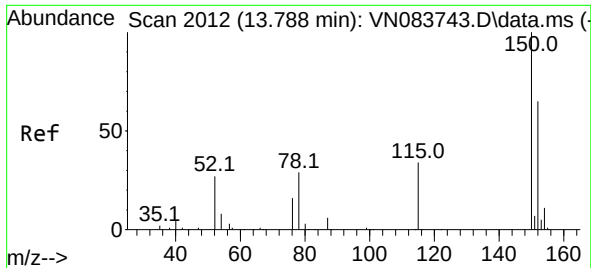
Tgt Ion:117 Resp: 236561
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.0
119 32.1 26.3 39.5



#64
Tetrachloroethene
Concen: 0.616 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

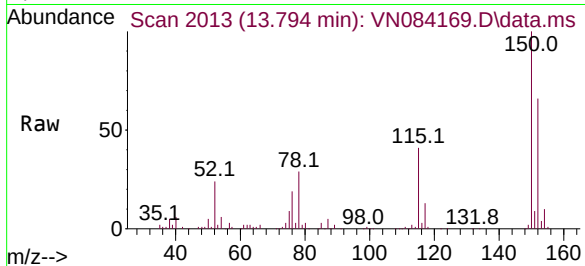
Tgt Ion:164 Resp: 969
Ion Ratio Lower Upper
164 100
166 85.8 103.7 155.5#
129 103.4 79.9 119.9
131 70.4 78.4 117.6#



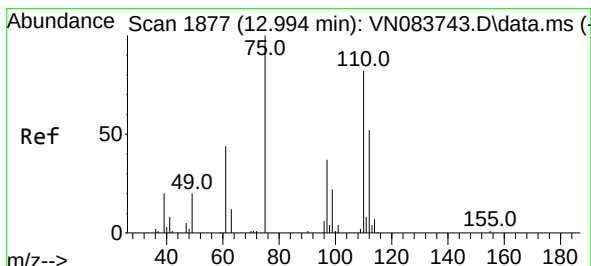
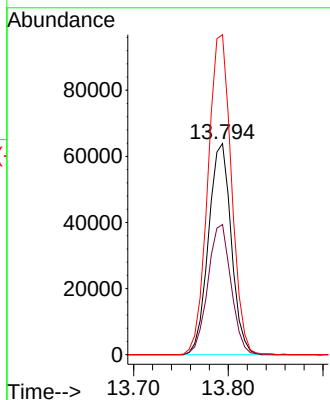
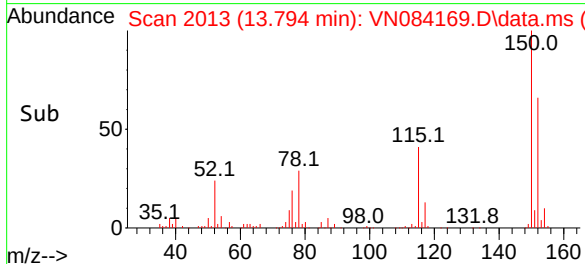


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084169.D
 Acq: 25 Sep 2024 18:59

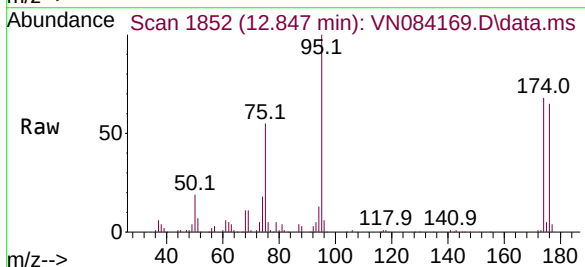
Instrument :
 MSVOA_N
 ClientSampleId :



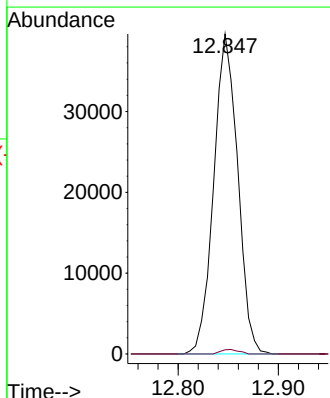
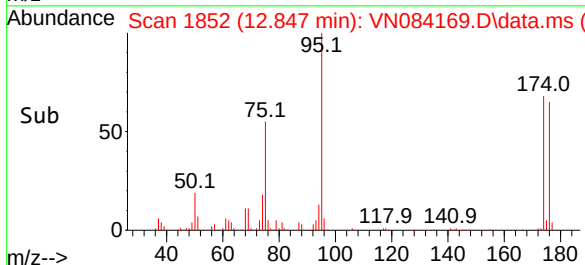
Tgt Ion:152 Resp: 106468
 Ion Ratio Lower Upper
 152 100
 115 62.8 32.2 96.6
 150 156.6 0.0 348.6

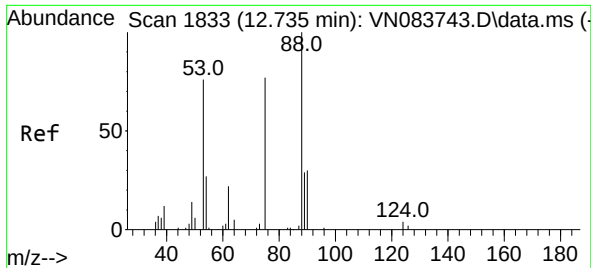


#76
 1,2,3-Trichloropropane
 Concen: 30.588 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN084169.D
 Acq: 25 Sep 2024 18:59



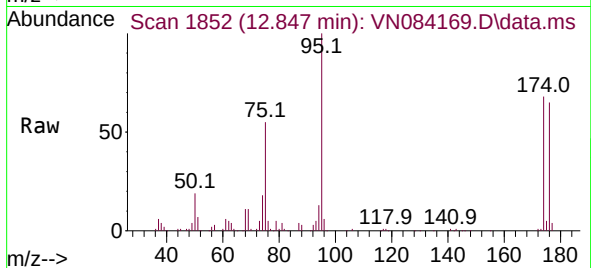
Tgt Ion: 75 Resp: 65712
 Ion Ratio Lower Upper
 75 100
 77 1.0 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 80.111 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084169.D
Acq: 25 Sep 2024 18:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 65712
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

