

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085098.D
 Acq On : 04 Dec 2024 16:49
 Operator : JC\MD
 Sample : P5088-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 22:09:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

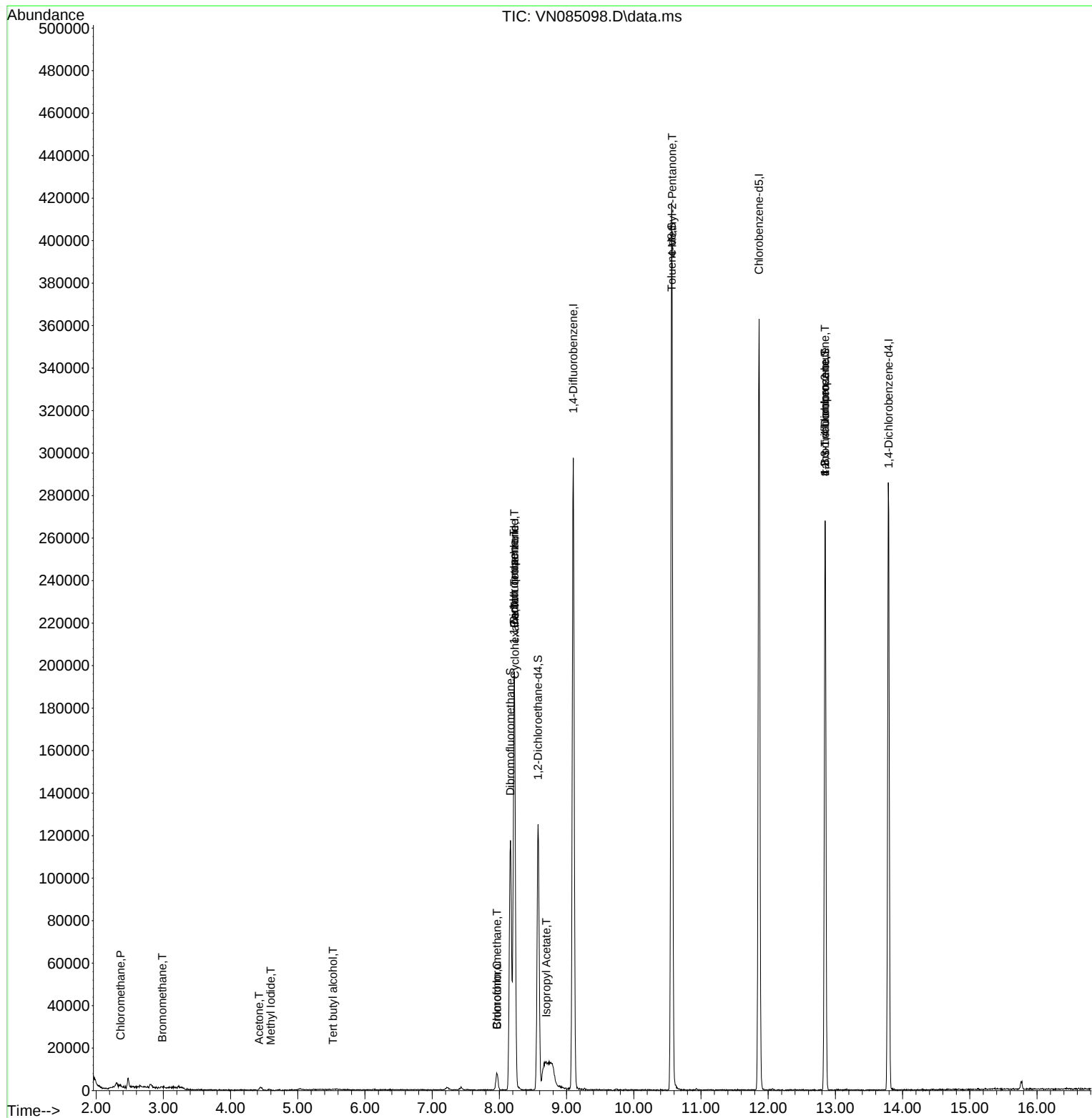
Internal Standards						
1) Pentafluorobenzene	8.224	168	140588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104799	52.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.660%			
35) Dibromofluoromethane	8.165	113	86313	50.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	10.565	98	285476	46.413	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.820%			
62) 4-Bromofluorobenzene	12.847	95	94994	41.298	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 82.600%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	596	0.323	ug/l	89
5) Bromomethane	2.983	94	211	0.227	ug/l #	1
10) Methyl Iodide	4.600	142	527	0.249	ug/l #	39
11) Tert butyl alcohol	5.524	59	98	0.366	ug/l #	75
16) Acetone	4.424	43	430	0.737	ug/l #	43
18) Methyl Acetate	5.030	43	772	Below Cal	#	50
28) Bromochloromethane	7.965	49	440	0.385	ug/l #	14
30) Chloroform	7.965	83	8805	2.732	ug/l #	81
31) Cyclohexane	8.230	56	3110	1.166	ug/l #	18
36) 1,1-Dichloropropene	8.218	75	12162	5.232	ug/l #	51
38) Carbon Tetrachloride	8.224	117	15567	5.801	ug/l #	16
43) Isopropyl Acetate	8.700	43	21680	4.939	ug/l #	56
51) 4-Methyl-2-Pentanone	10.571	43	1440	0.718	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	50412	34.750	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	50412	76.712	ug/l #	10

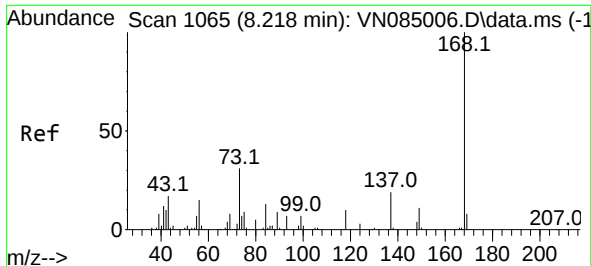
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

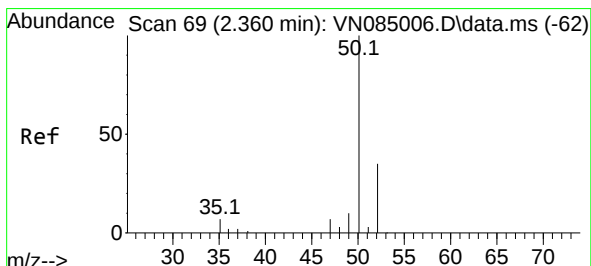
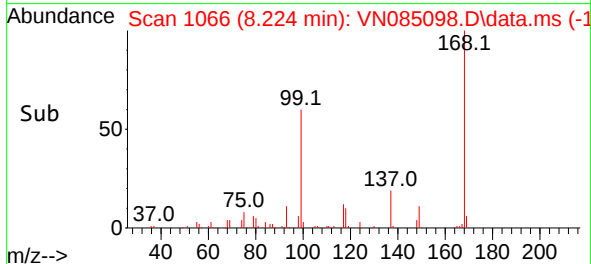
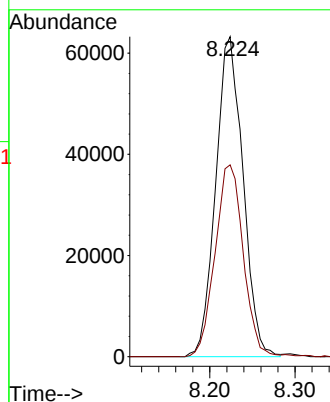
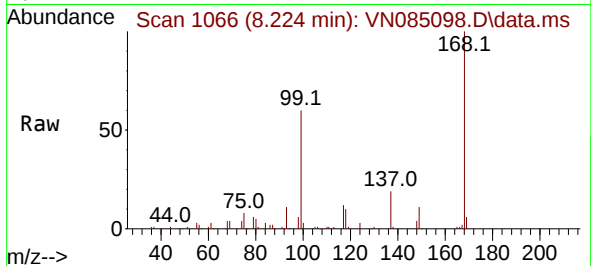




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

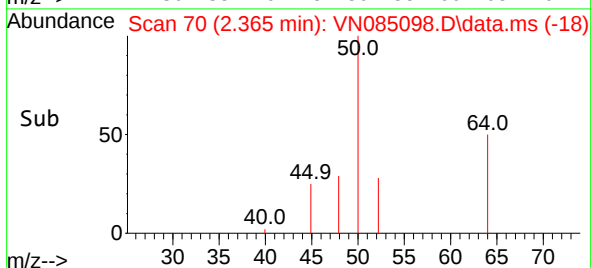
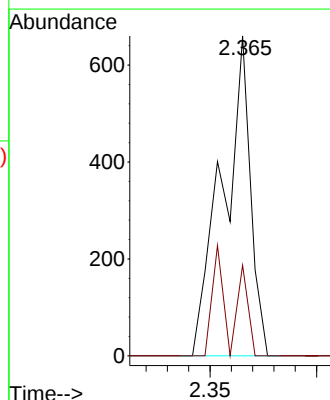
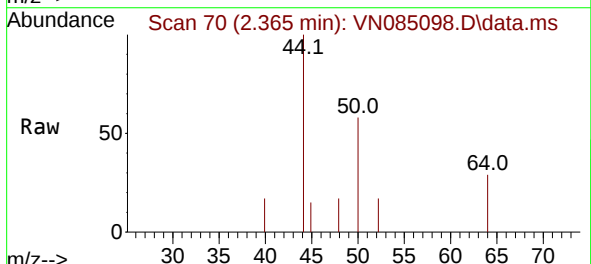
Instrument :
MSVOA_N
ClientSampleId :

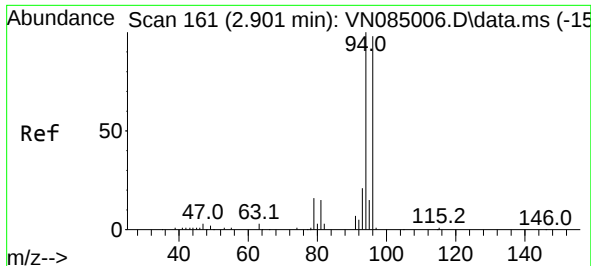
Tgt Ion:168 Resp: 140588
Ion Ratio Lower Upper
168 100
99 59.9 51.2 76.8



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 28.3 27.8 41.8

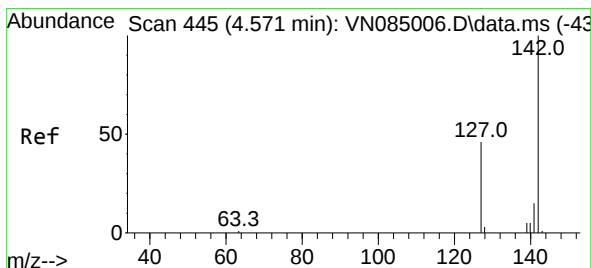
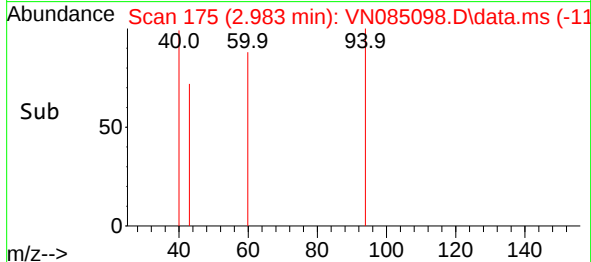
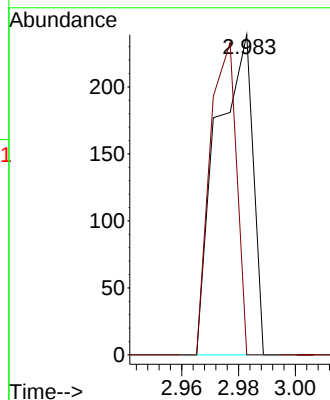
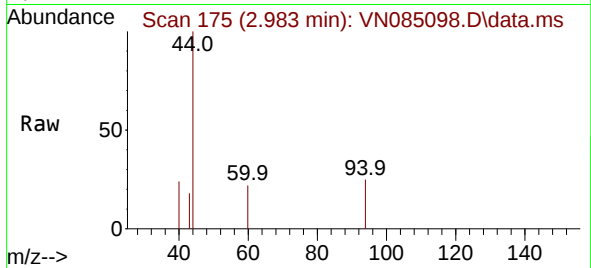




#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.082 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

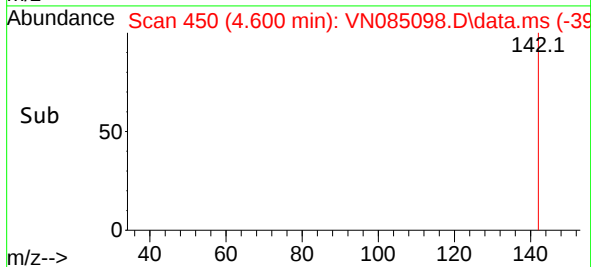
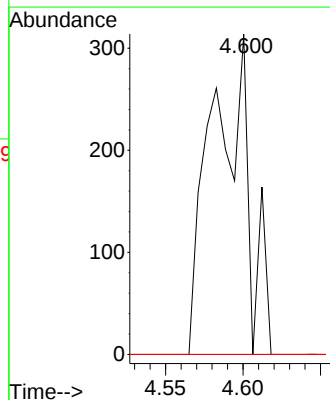
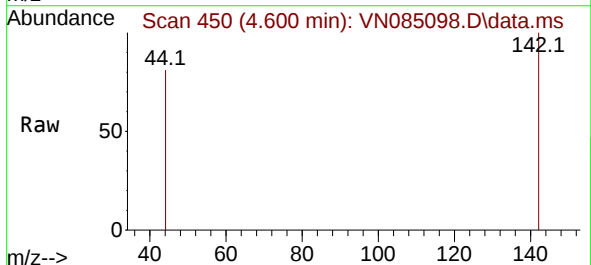
Instrument :
MSVOA_N
ClientSampleId :

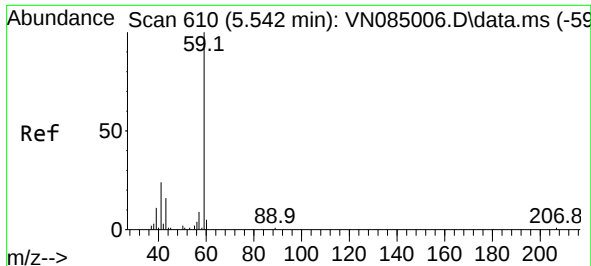
Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 0.0 78.7 118.1#



#10
Methyl Iodide
Concen: 0.249 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.029 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 142 Resp: 527
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#

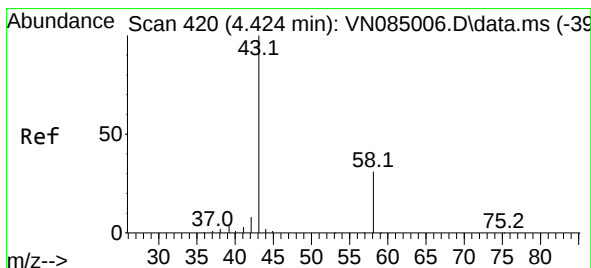
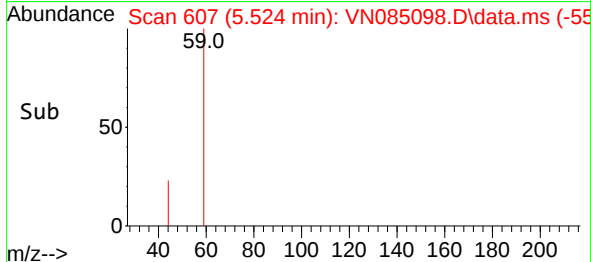
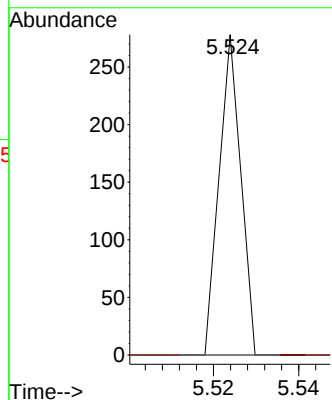
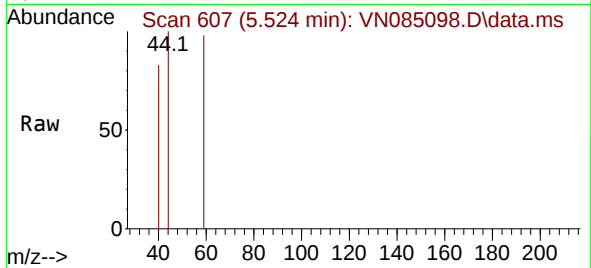




#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

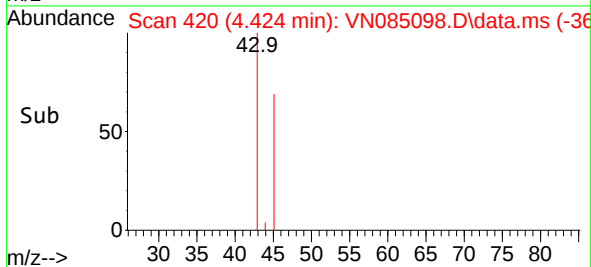
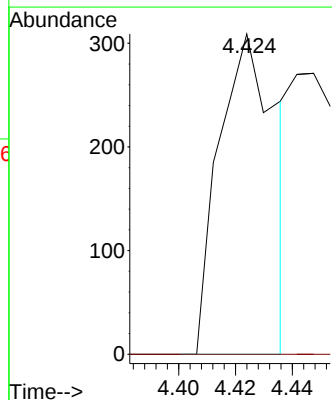
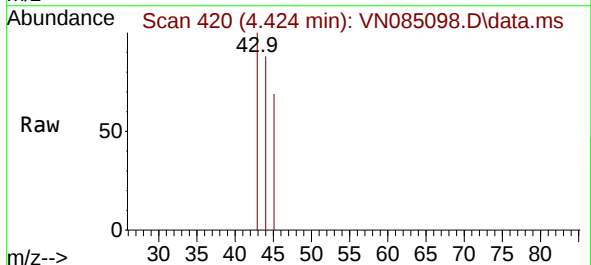
Instrument :
MSVOA_N
ClientSampleId :

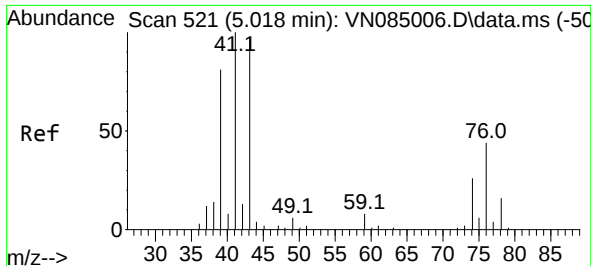
Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 0.737 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#

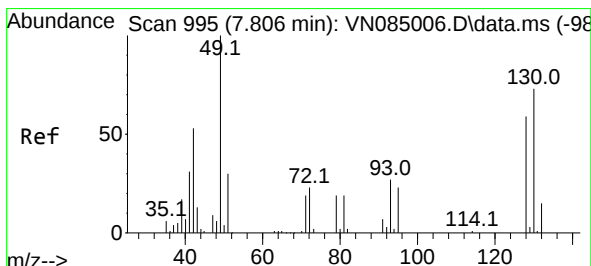
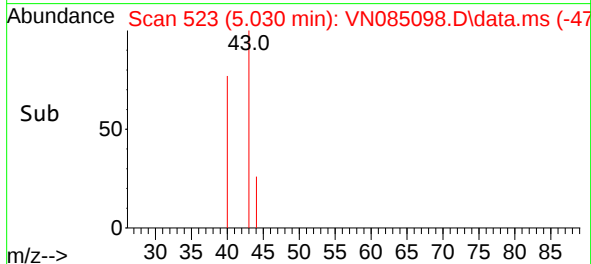
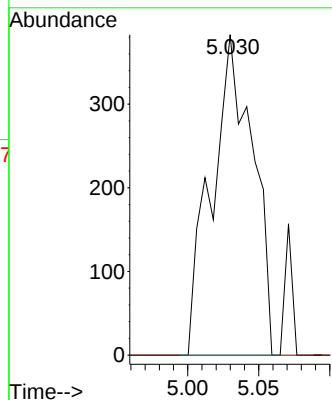
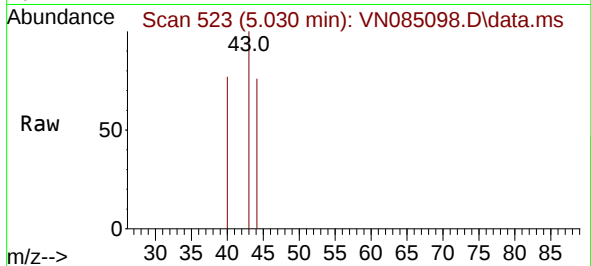




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

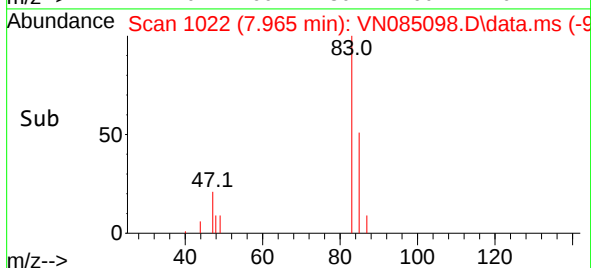
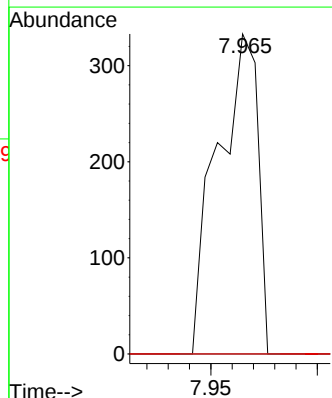
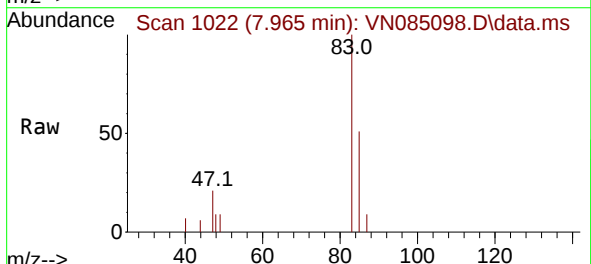
Instrument :
MSVOA_N
ClientSampleId :

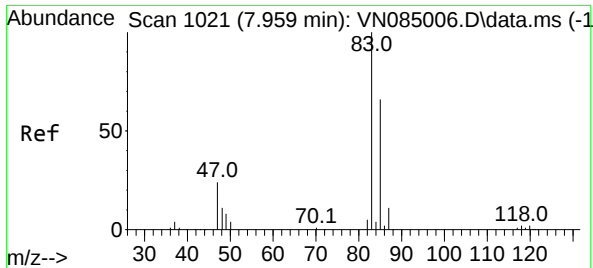
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#28
Bromochloromethane
Concen: 0.385 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.159 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 49 Resp: 440
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 60.6 90.8#

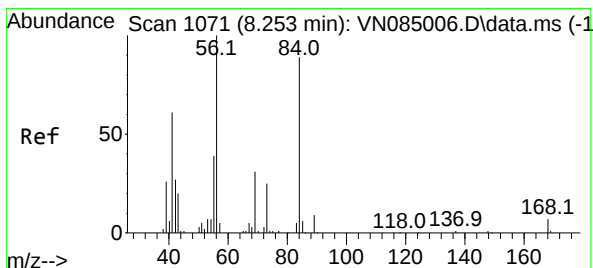
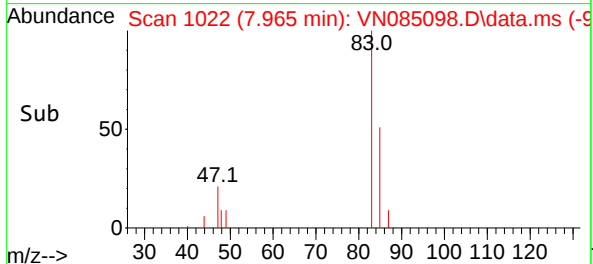
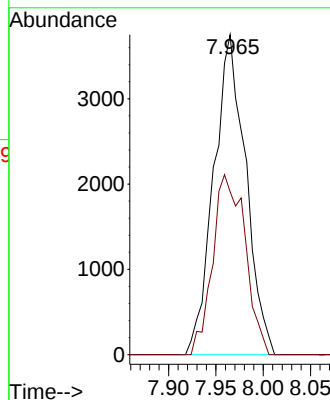
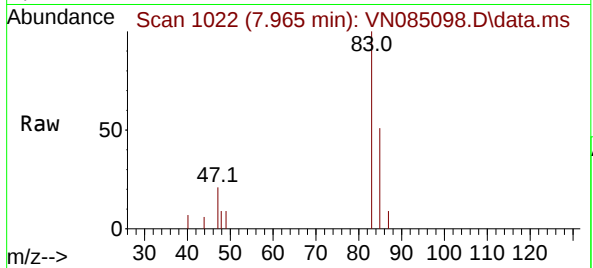




#30
Chloroform
Concen: 2.732 ug/l
RT: 7.965 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

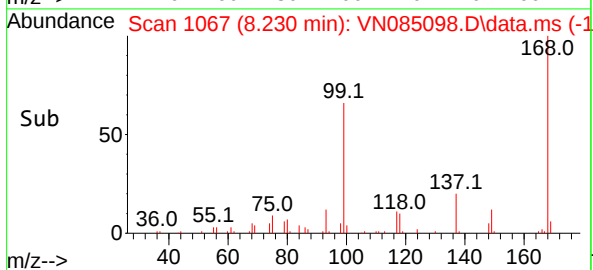
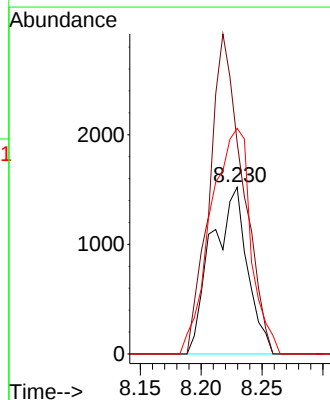
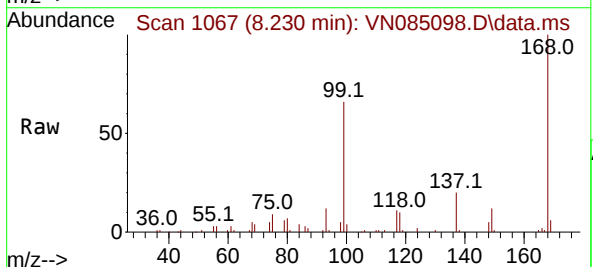
Instrument :
MSVOA_N
ClientSampleId :

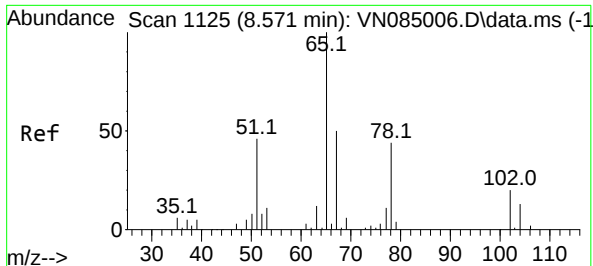
Tgt Ion: 83 Resp: 8805
Ion Ratio Lower Upper
83 100
85 50.9 52.6 78.8#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 56 Resp: 3110
Ion Ratio Lower Upper
56 100
69 126.9 24.6 36.8#
84 135.4 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 52.332 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085098.D

Acq: 04 Dec 2024 16:49

Instrument :

MSVOA_N

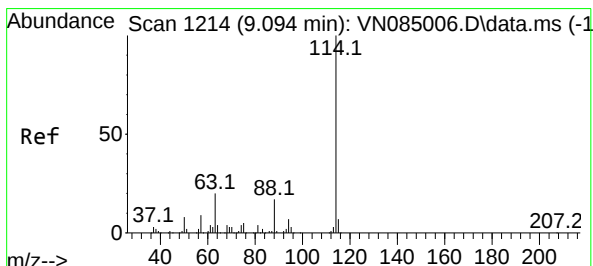
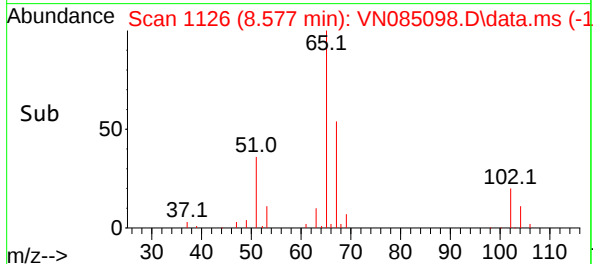
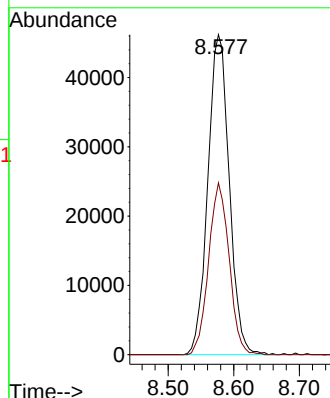
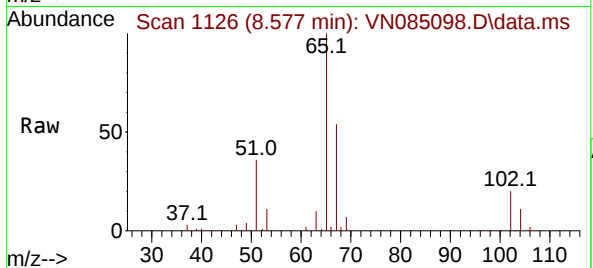
ClientSampleId :

Tgt Ion: 65 Resp: 104799

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085098.D

Acq: 04 Dec 2024 16:49

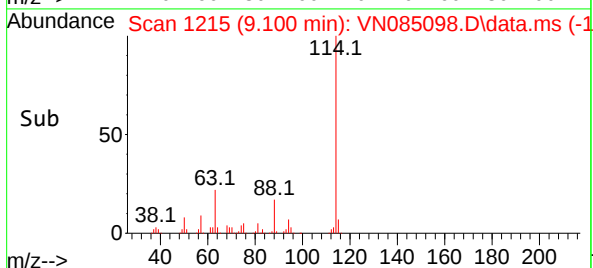
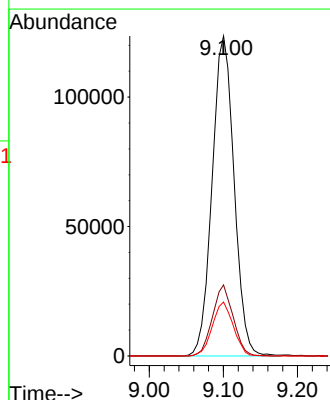
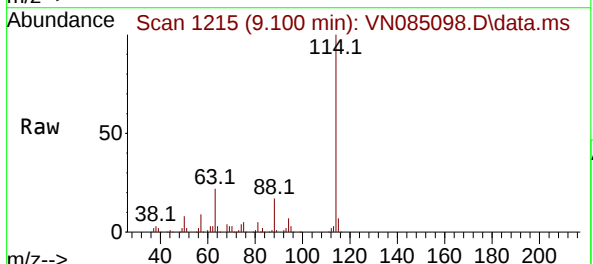
Tgt Ion: 114 Resp: 254504

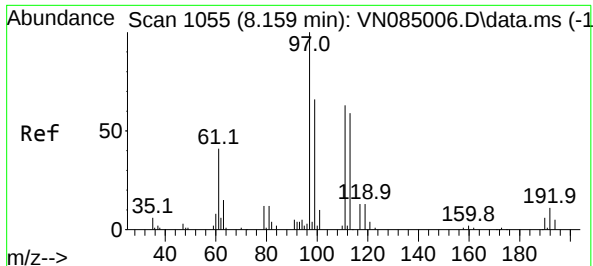
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.0

88 16.9 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.290 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085098.D

Acq: 04 Dec 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

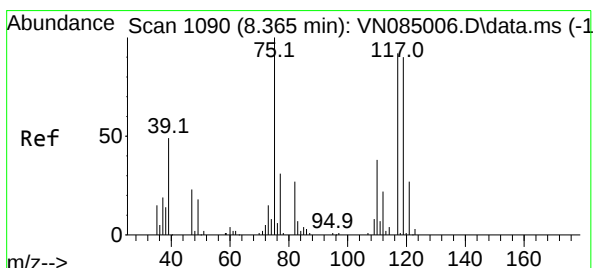
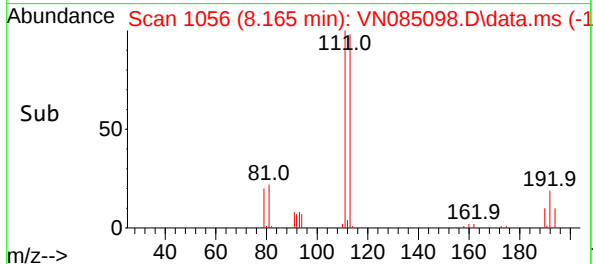
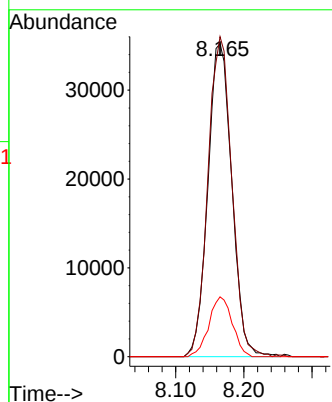
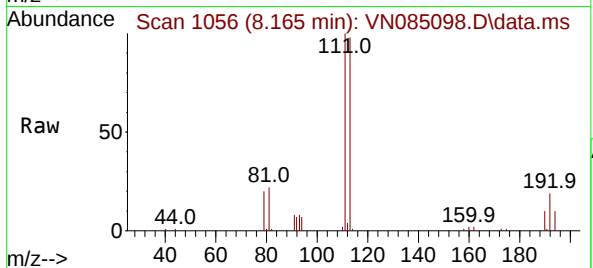
Tgt Ion:113 Resp: 86313

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

192 18.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.232 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085098.D

Acq: 04 Dec 2024 16:49

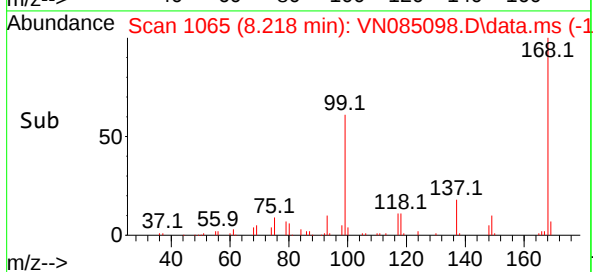
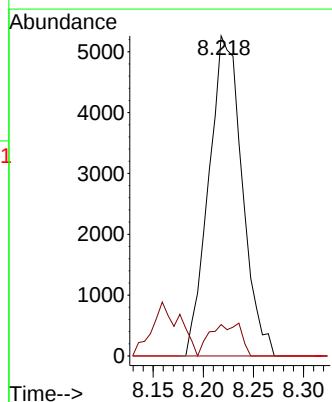
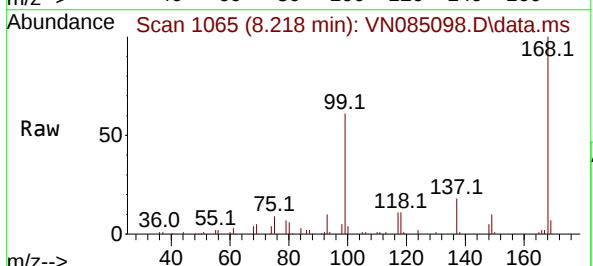
Tgt Ion: 75 Resp: 12162

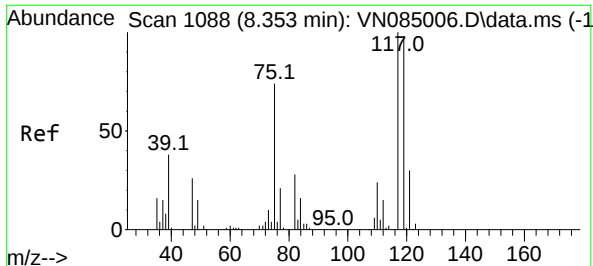
Ion Ratio Lower Upper

75 100

110 9.3 17.2 51.6#

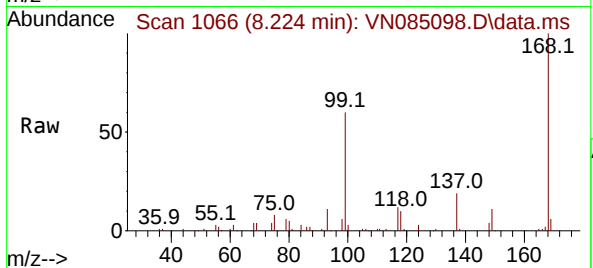
77 0.0 24.2 36.4#



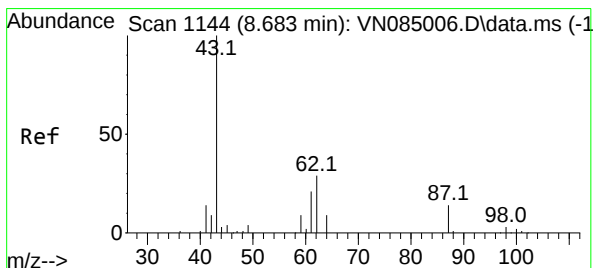
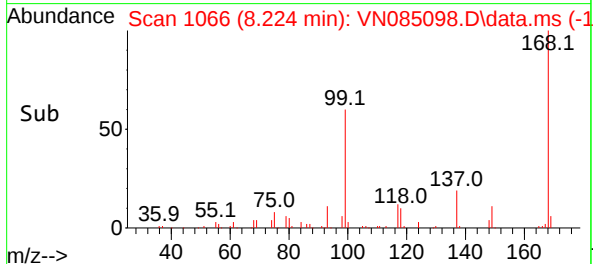
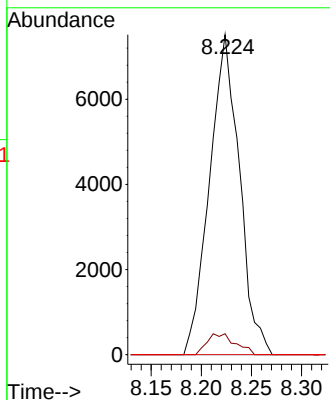


#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

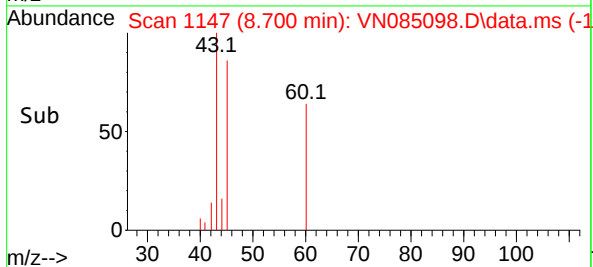
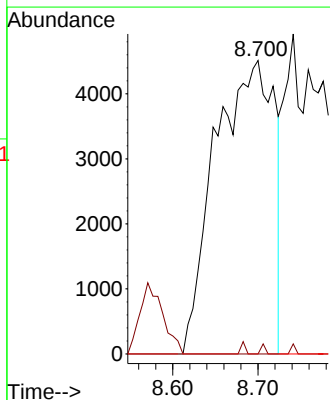
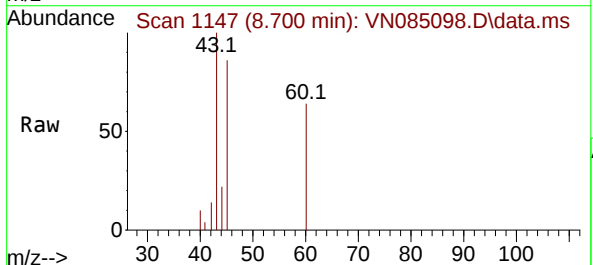


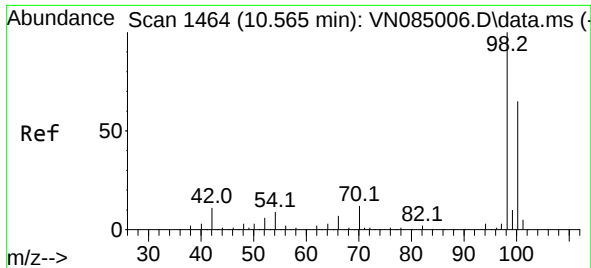
Tgt Ion:117 Resp: 15567
Ion Ratio Lower Upper
117 100
119 6.6 78.6 117.8#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.939 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.018 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 43 Resp: 21680
Ion Ratio Lower Upper
43 100
61 0.3 20.6 30.8#
87 0.0 11.0 16.4#

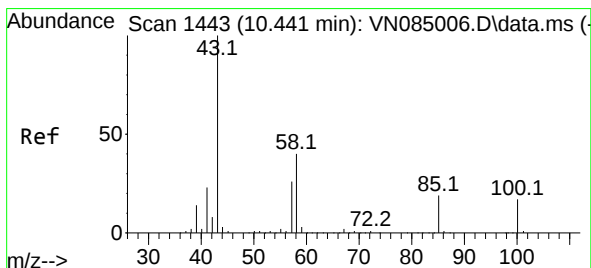
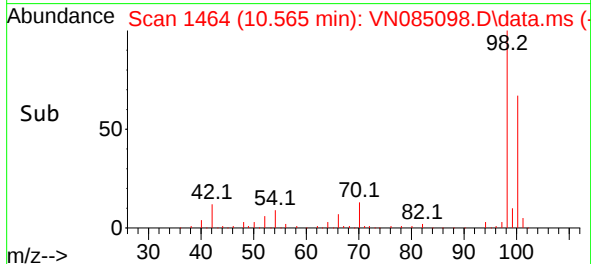
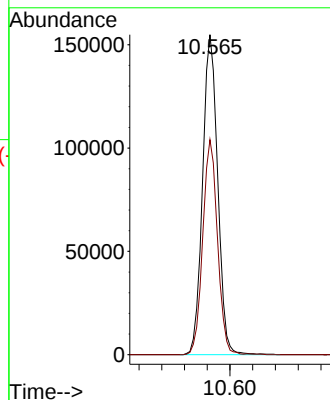
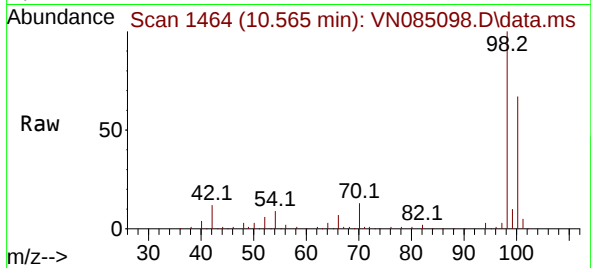




#50
Toluene-d8
Concen: 46.413 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

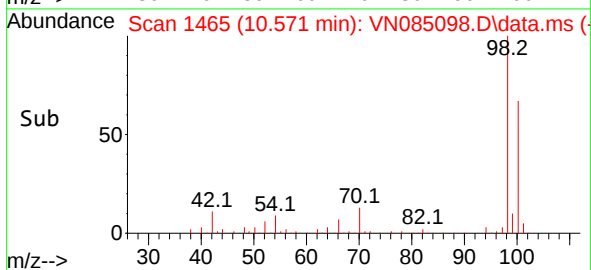
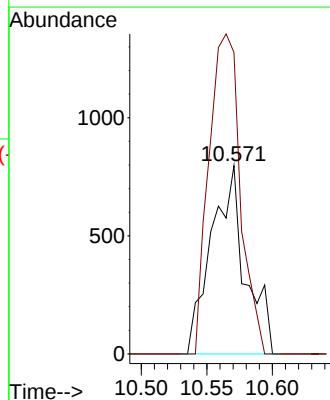
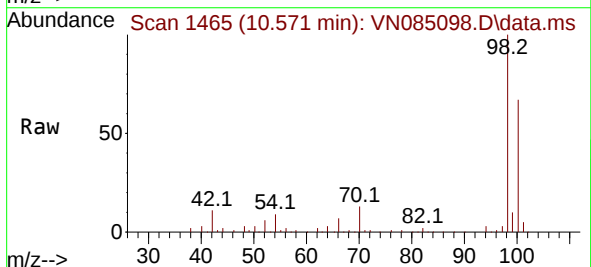
Instrument :
MSVOA_N
ClientSampleId :

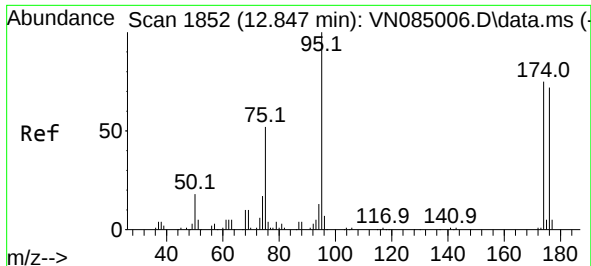
Tgt Ion: 98 Resp: 285476
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.718 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
58 157.2 32.1 48.1#

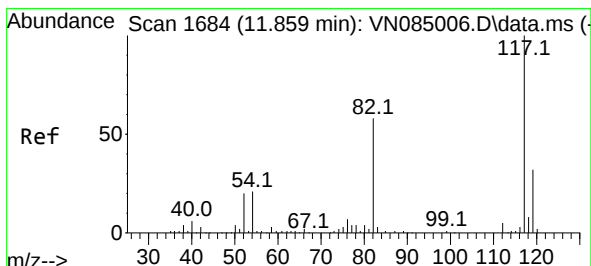
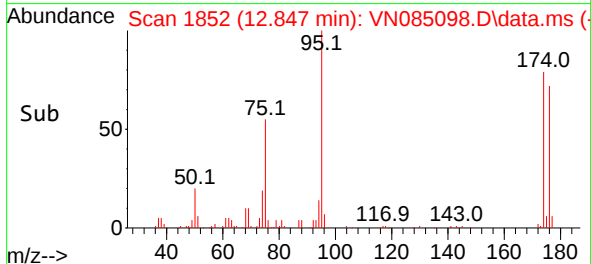
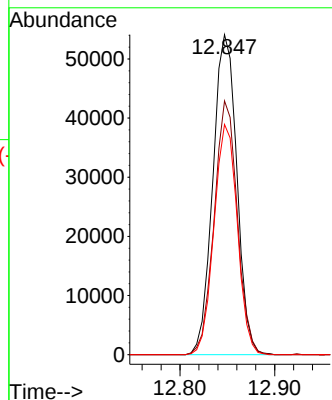
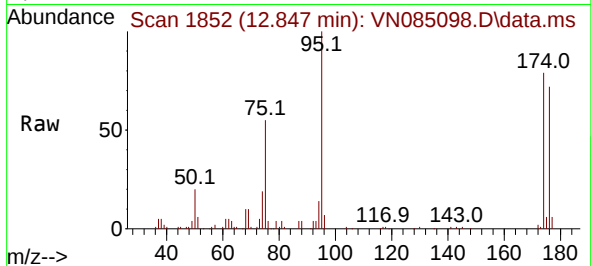




#62
4-Bromofluorobenzene
Concen: 41.298 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

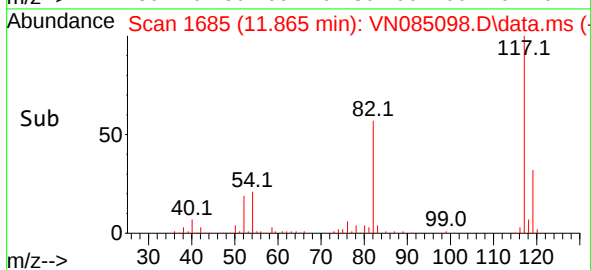
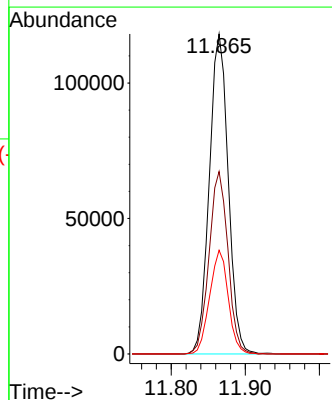
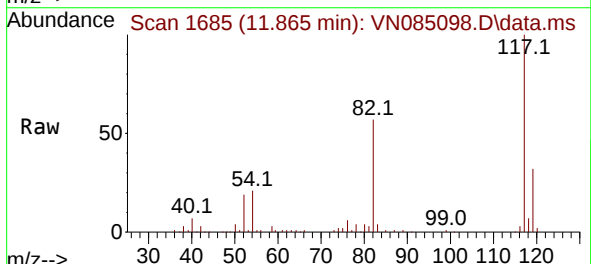
Instrument :
MSVOA_N
ClientSampleId :

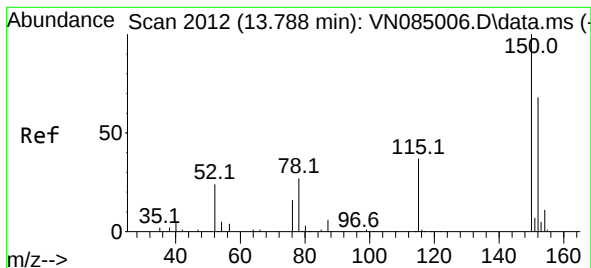
Tgt Ion: 95 Resp: 94994
Ion Ratio Lower Upper
95 100
174 76.9 0.0 146.6
176 70.1 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085098.D
Acq: 04 Dec 2024 16:49

Tgt Ion: 117 Resp: 209512
Ion Ratio Lower Upper
117 100
82 57.0 46.0 69.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2012

Delta R.T. 0.006 min

Lab File: VN085098.D

Acq: 04 Dec 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

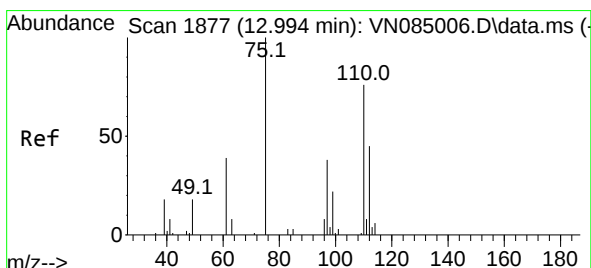
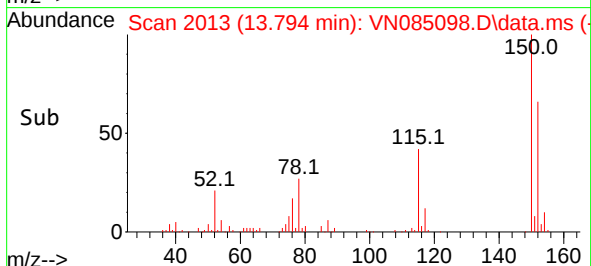
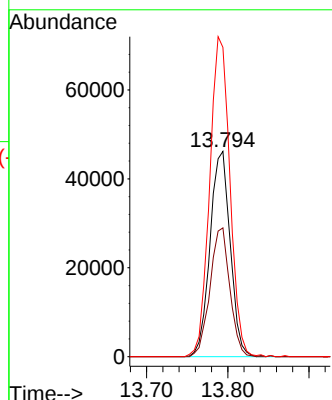
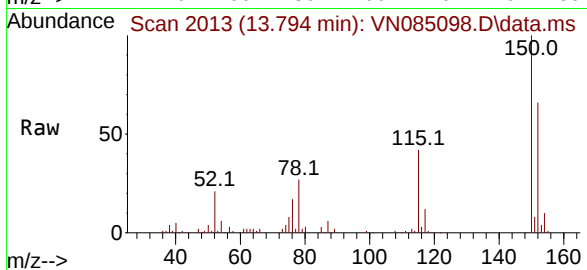
Tgt Ion:152 Resp: 79757

Ion Ratio Lower Upper

152 100

115 61.6 31.7 95.1

150 156.3 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 34.750 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085098.D

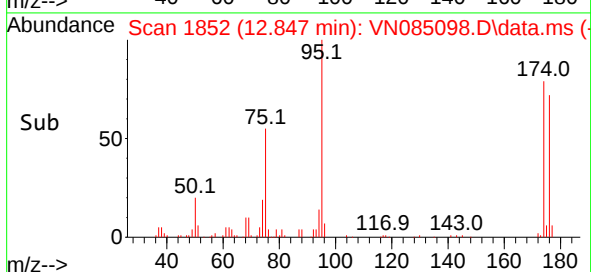
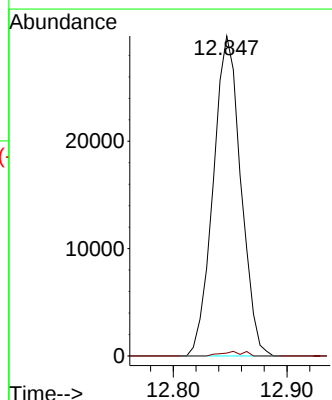
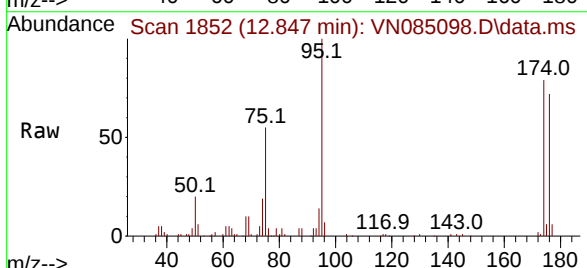
Acq: 04 Dec 2024 16:49

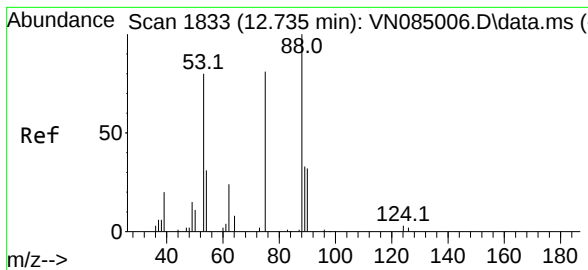
Tgt Ion: 75 Resp: 50412

Ion Ratio Lower Upper

75 100

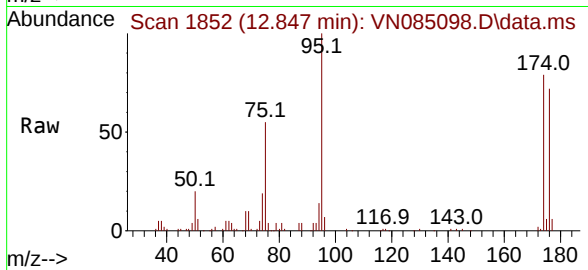
77 1.2 109.1 327.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.712 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085098.D
 Acq: 04 Dec 2024 16:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 50412
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.2 117.4#
 89 0.0 37.9 56.9#

