

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084499.D
 Acq On : 24 Oct 2024 19:33
 Operator : JC\MD
 Sample : P4488-09 400X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:06:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

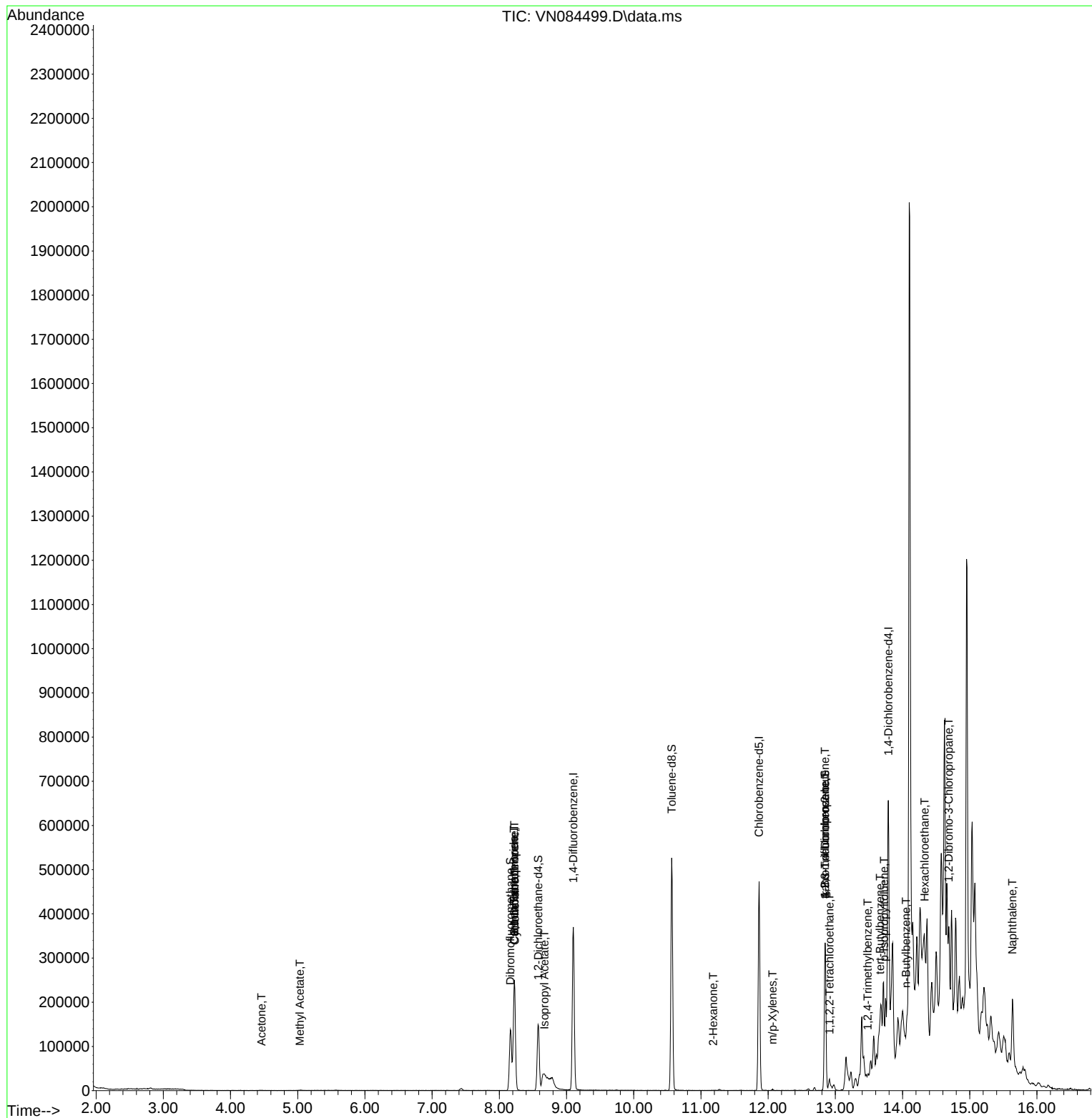
Internal Standards						
1) Pentafluorobenzene	8.224	168	174362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126052	48.758	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.520%
35) Dibromofluoromethane	8.165	113	99451	47.443	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.880%
50) Toluene-d8	10.565	98	362611	47.018	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.847	95	118866	42.306	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.620%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	998	0.899	ug/l #	44
18) Methyl Acetate	5.030	43	1495	0.618	ug/l #	70
31) Cyclohexane	8.230	56	4031	1.053	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	14821	4.868	ug/l #	51
38) Carbon Tetrachloride	8.218	117	19224	5.756	ug/l #	16
43) Isopropyl Acetate	8.671	43	54536	8.913	ug/l #	56
59) 2-Hexanone	11.182	43	541	0.243	ug/l #	24
68) m/p-Xylenes	12.065	106	959	0.253	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.912	83	2553	0.887	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	62086	24.234	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62086	58.099	ug/l #	11
83) tert-Butylbenzene	13.665	119	2659	0.383	ug/l	67
84) 1,2,4-Trimethylbenzene	13.482	105	7563	0.961	ug/l	94
86) p-Isopropyltoluene	13.724	119	2373	0.310	ug/l #	85
89) n-Butylbenzene	14.053	91	6559	0.944	ug/l #	73
90) Hexachloroethane	14.329	117	4290	2.759	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.688	75	731	1.230	ug/l #	5
95) Naphthalene	15.635	128	155634	22.431	ug/l	100

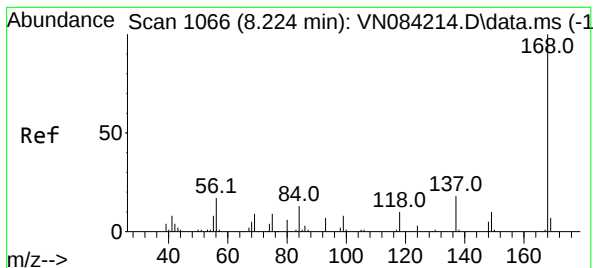
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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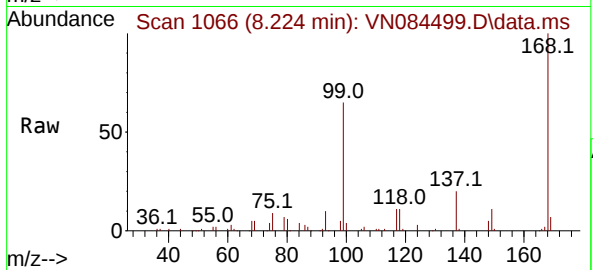
Quant Time: Oct 25 02:06:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



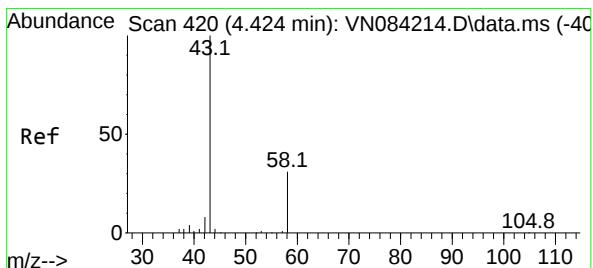
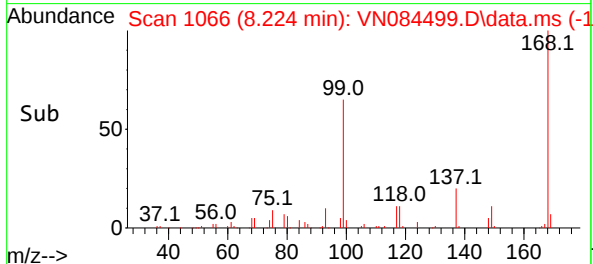
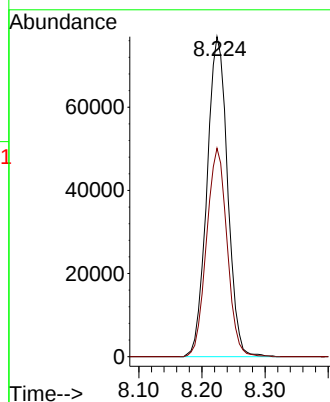


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Instrument :
MSVOA_N
ClientSampleId :

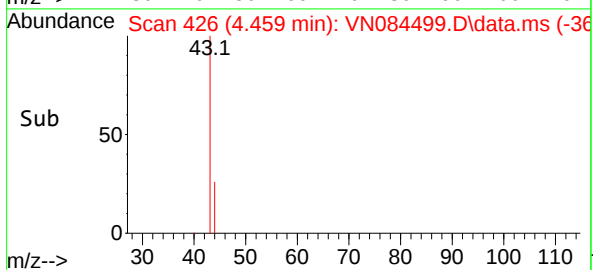
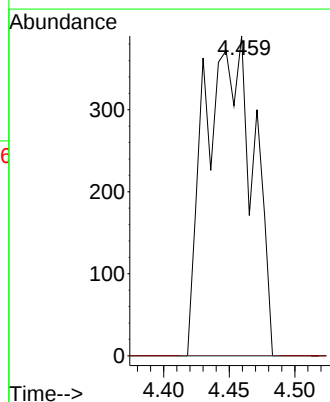
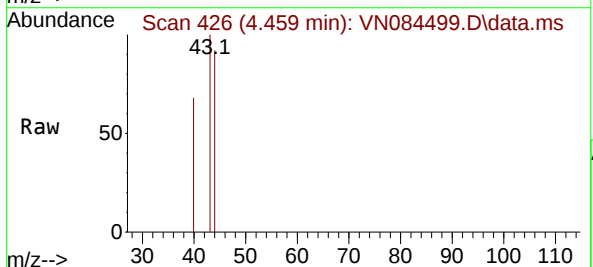


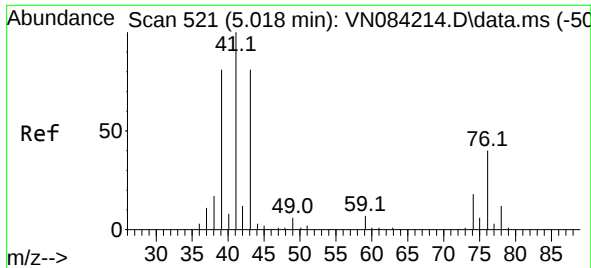
Tgt Ion:168 Resp: 174362
Ion Ratio Lower Upper
168 100
99 65.1 54.2 81.2



#16
Acetone
Concen: 0.899 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.035 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

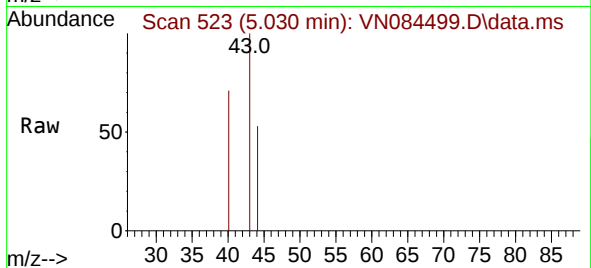
Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



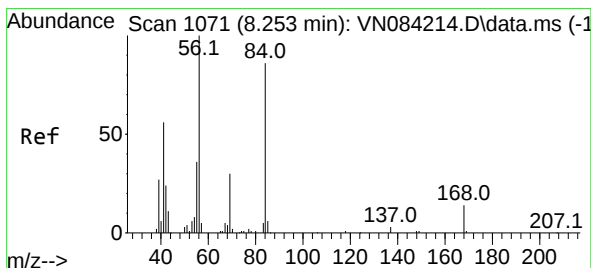
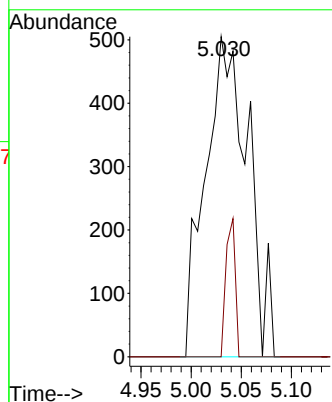
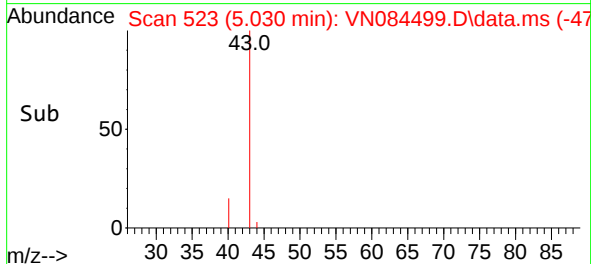


#18
Methyl Acetate
Concen: 0.618 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

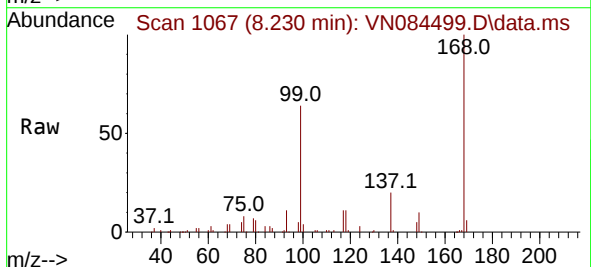
Instrument :
MSVOA_N
ClientSampleId :



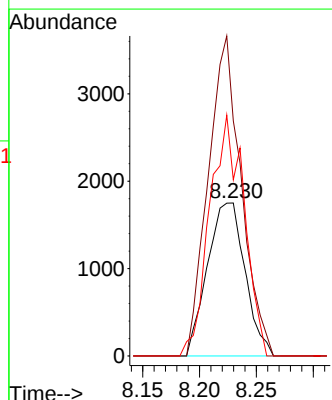
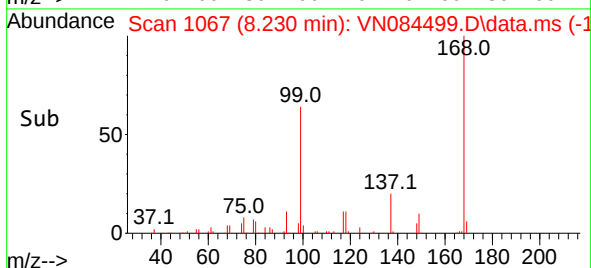
Tgt Ion: 43 Resp: 1495
Ion Ratio Lower Upper
43 100
74 9.3 19.2 28.8#

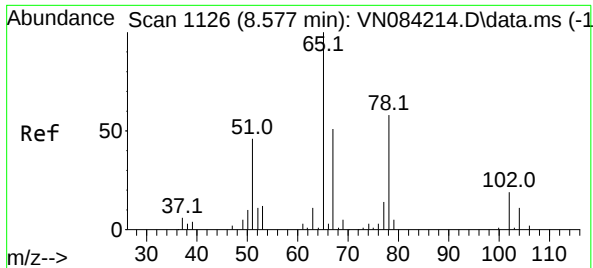


#31
Cyclohexane
Concen: 1.053 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33



Tgt Ion: 56 Resp: 4031
Ion Ratio Lower Upper
56 100
69 153.7 23.8 35.6#
84 115.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.758 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

Instrument :

MSVOA_N

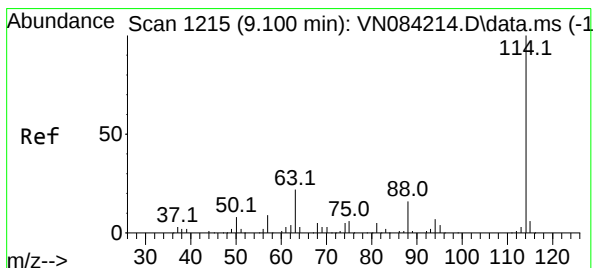
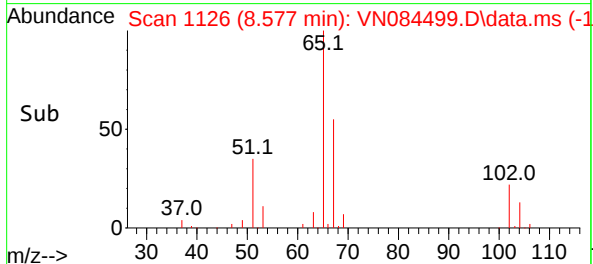
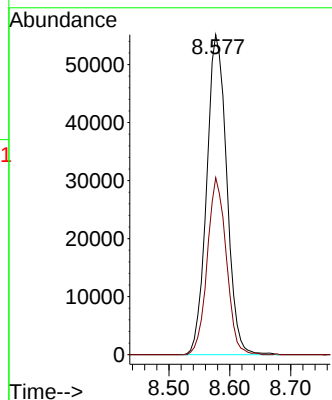
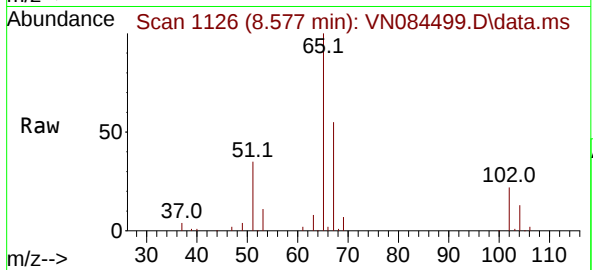
ClientSampleId :

Tgt Ion: 65 Resp: 126052

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

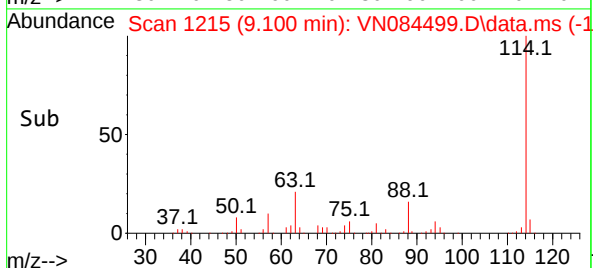
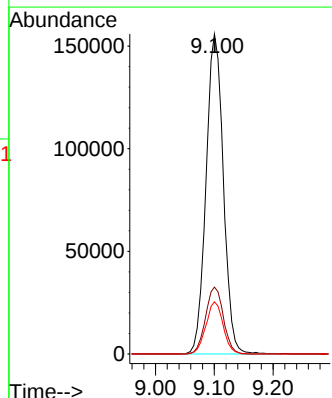
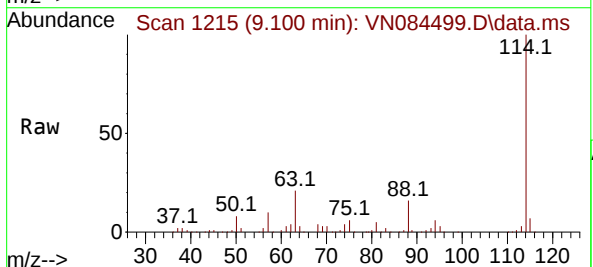
Tgt Ion: 114 Resp: 317965

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.443 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

Instrument :

MSVOA_N

ClientSampleId :

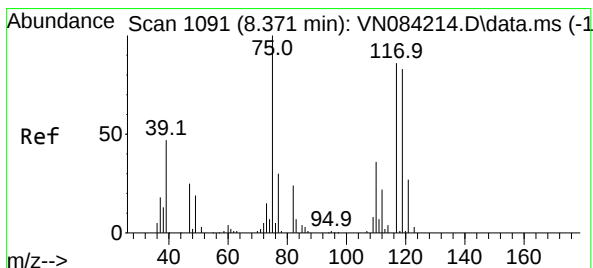
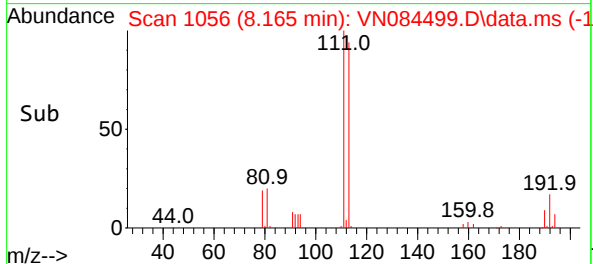
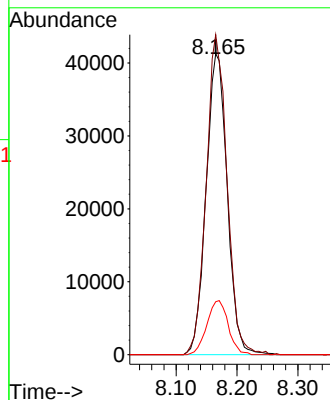
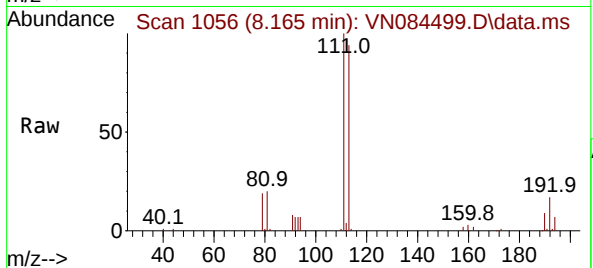
Tgt Ion:113 Resp: 99451

Ion Ratio Lower Upper

113 100

111 104.9 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

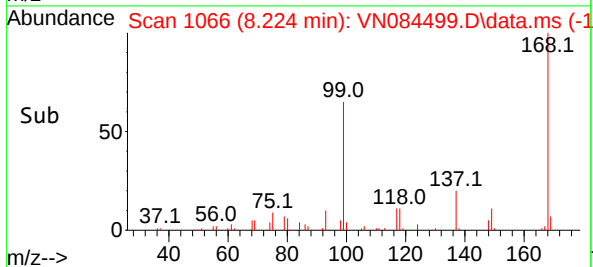
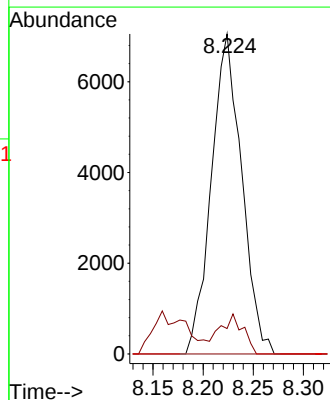
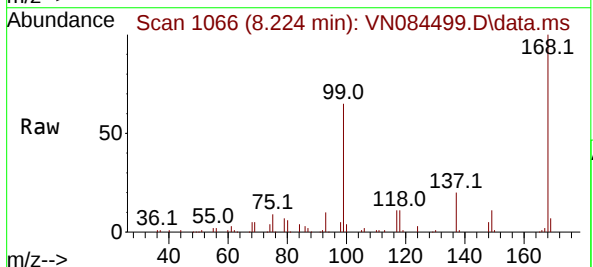
Tgt Ion: 75 Resp: 14821

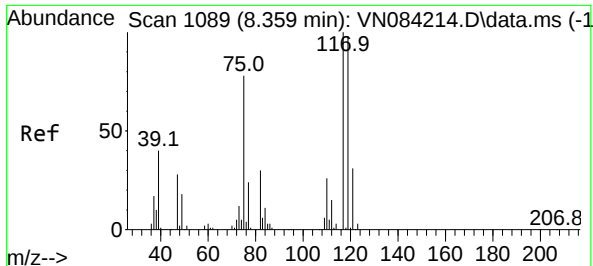
Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

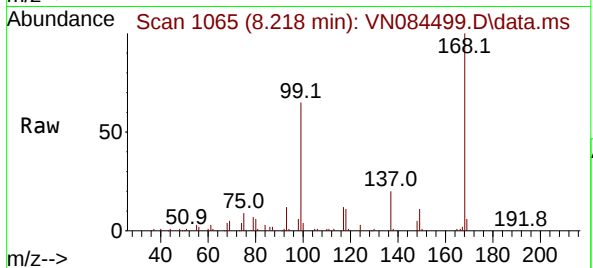
77 0.0 24.7 37.1#



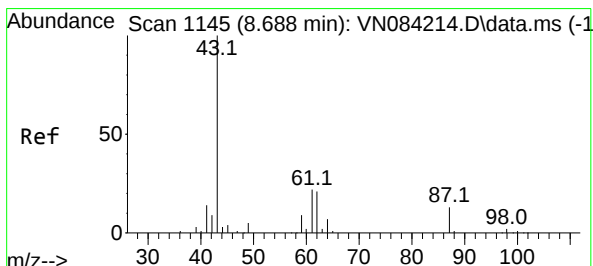
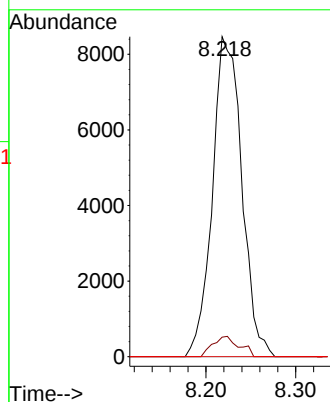
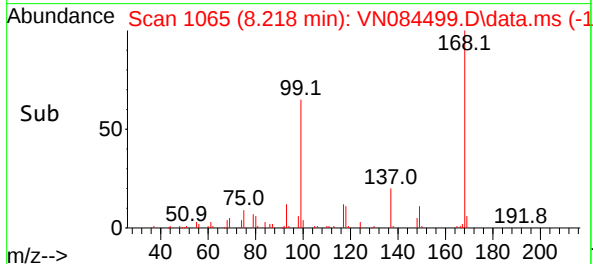


#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Instrument :
MSVOA_N
ClientSampleId :

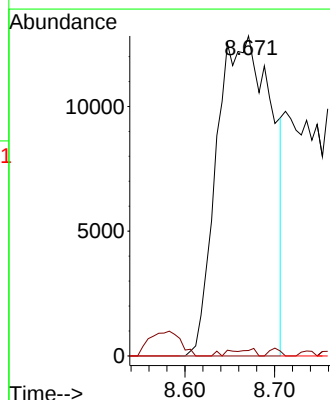
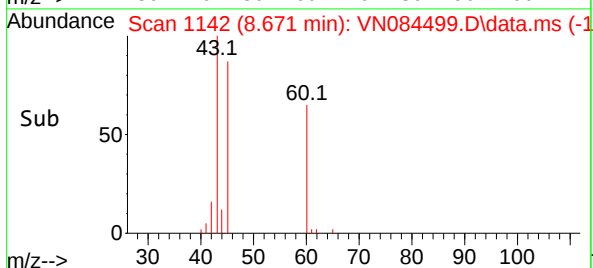
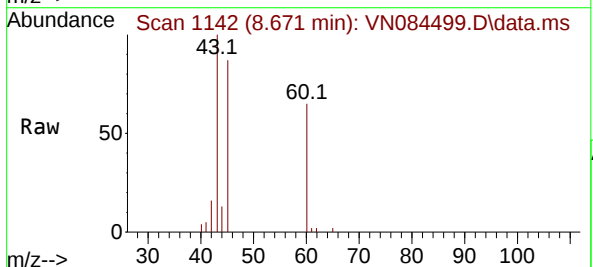


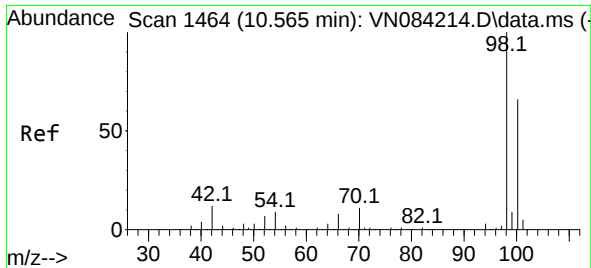
Tgt Ion:117 Resp: 19224
Ion Ratio Lower Upper
117 100
119 6.1 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 8.913 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.017 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Tgt Ion: 43 Resp: 54536
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 10.3 15.5#

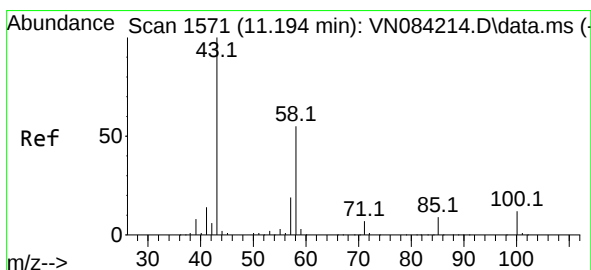
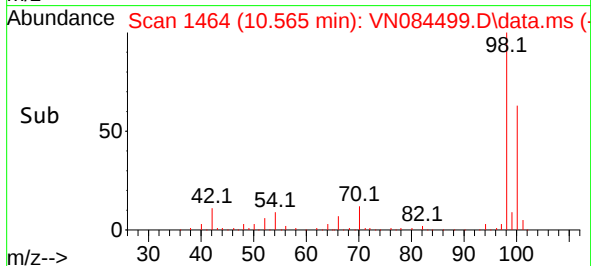
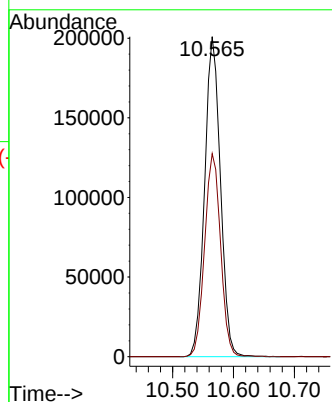
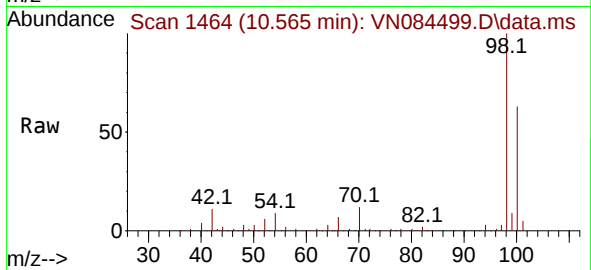




#50
Toluene-d8
Concen: 47.018 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

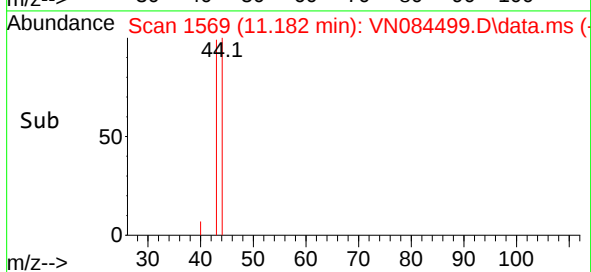
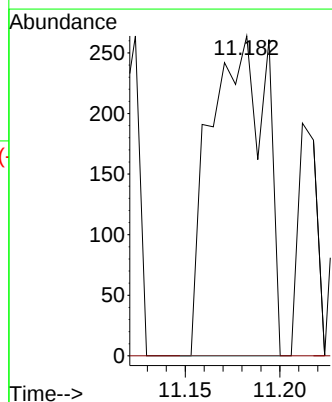
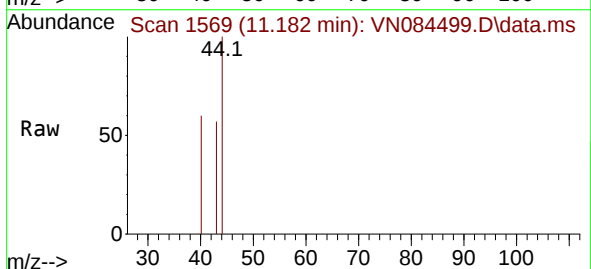
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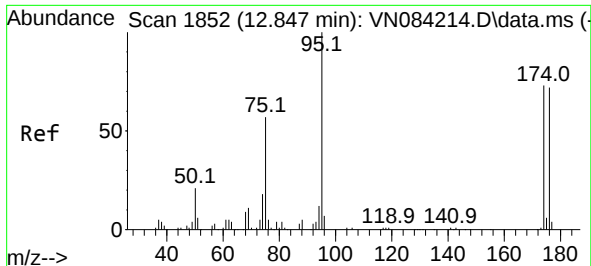
Tgt Ion: 98 Resp: 362611
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#59
2-Hexanone
Concen: 0.243 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. -0.012 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

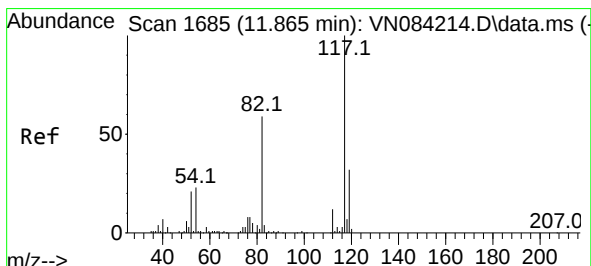
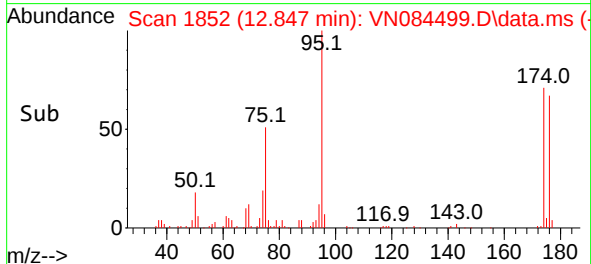
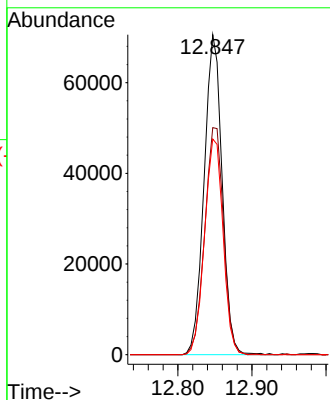
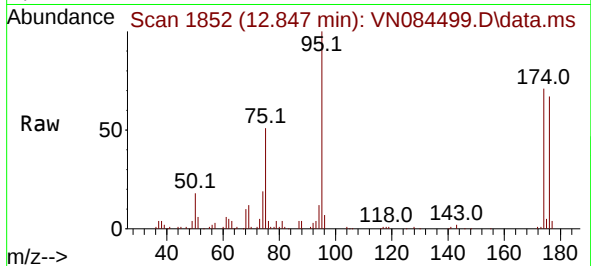




#62
4-Bromofluorobenzene
Concen: 42.306 ug/l
RT: 12.847 min Scan# 118866
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

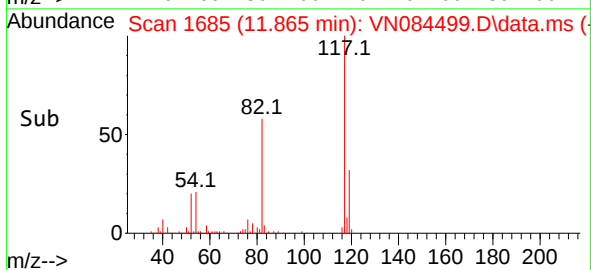
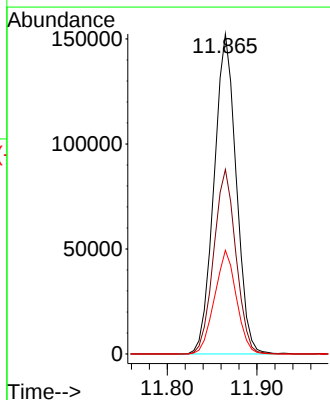
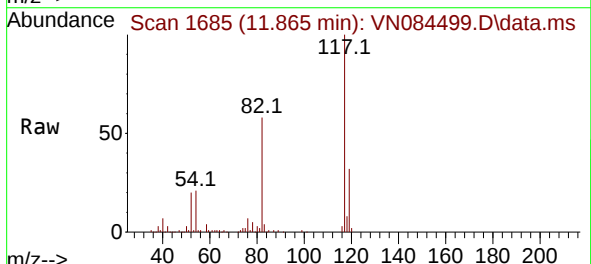
Instrument :
MSVOA_N
ClientSampleId :

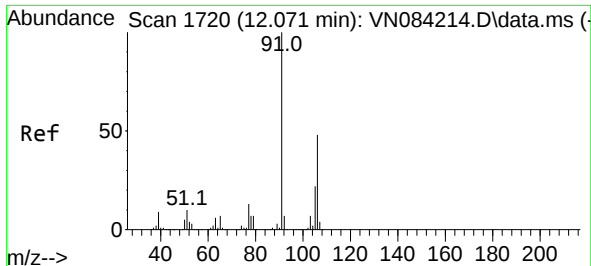
Tgt Ion: 95 Resp: 118866
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.2
176 69.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Tgt Ion: 117 Resp: 261641
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 32.4 25.4 38.0

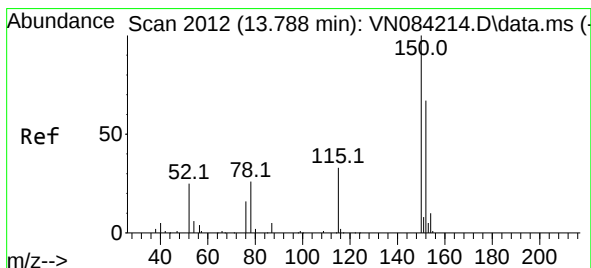
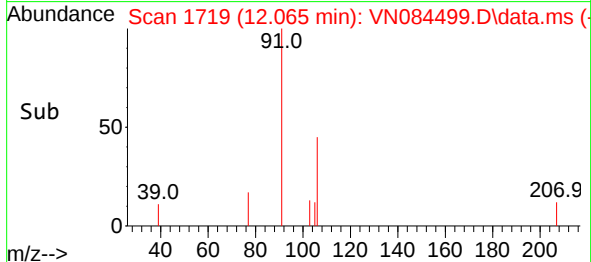
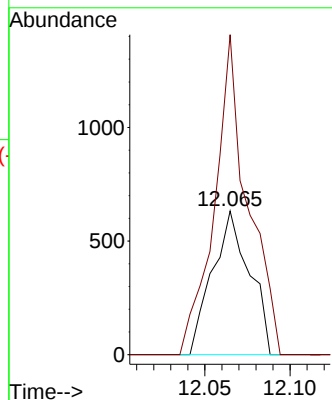
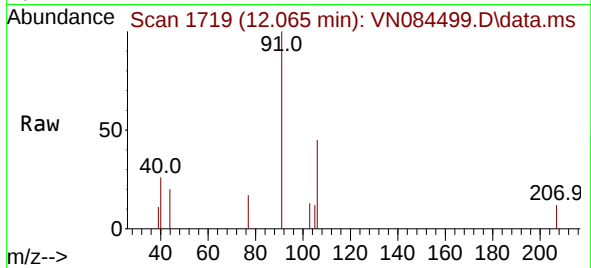




#68
m/p-Xylenes
Concen: 0.253 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

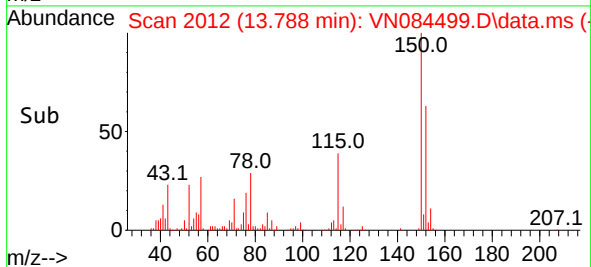
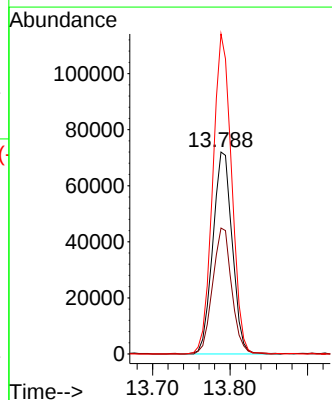
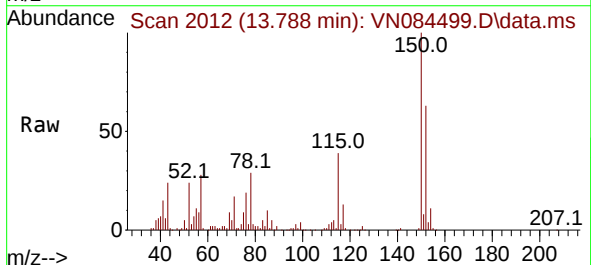
Instrument :
MSVOA_N
ClientSampleId :

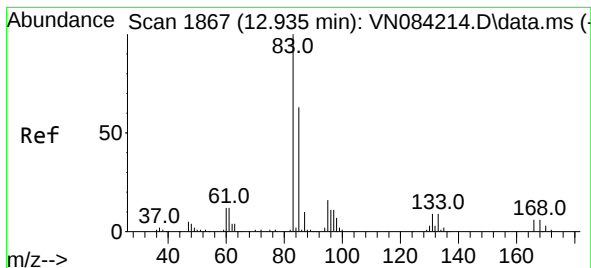
Tgt Ion:106 Resp: 959
Ion Ratio Lower Upper
106 100
91 199.8 167.1 250.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Tgt Ion:152 Resp: 125493
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.9
150 153.6 0.0 349.8





#75

1,1,2,2-Tetrachloroethane

Concen: 0.887 ug/l

RT: 12.912 min Scan# 1863

Delta R.T. -0.023 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

Instrument :

MSVOA_N

ClientSampleId :

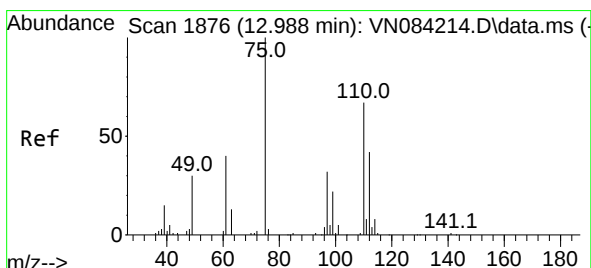
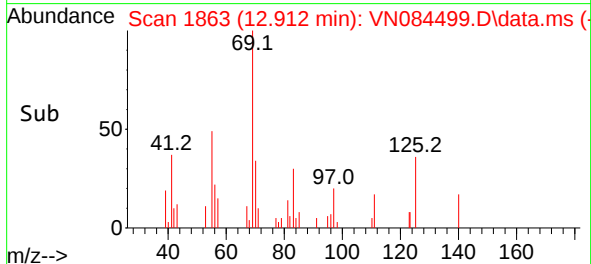
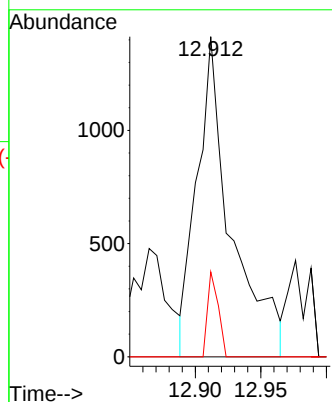
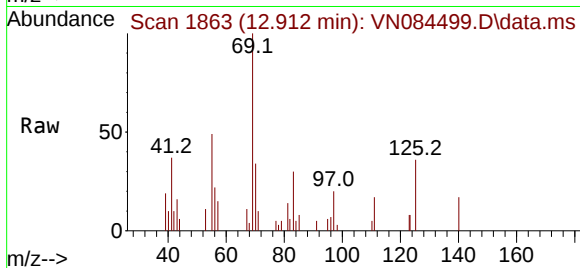
Tgt Ion: 83 Resp: 2553

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 8.3 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 24.234 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084499.D

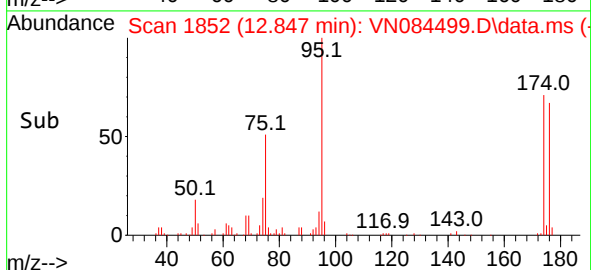
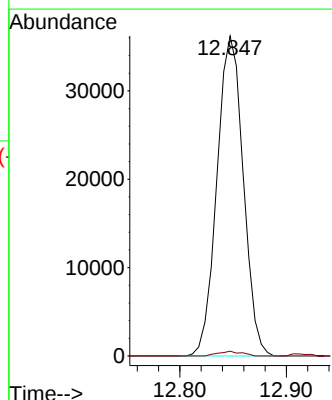
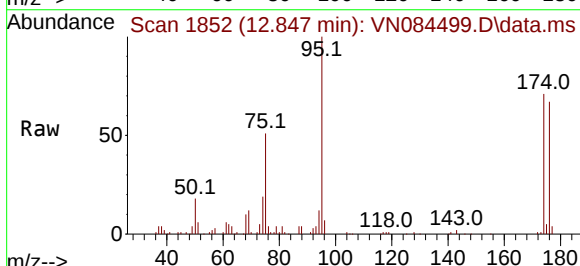
Acq: 24 Oct 2024 19:33

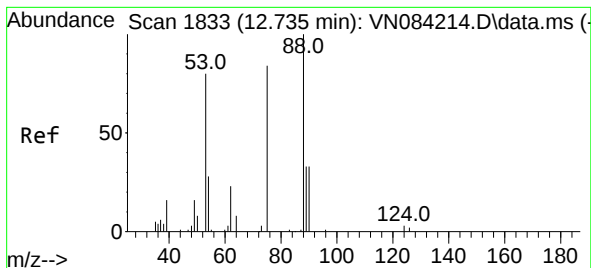
Tgt Ion: 75 Resp: 62086

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

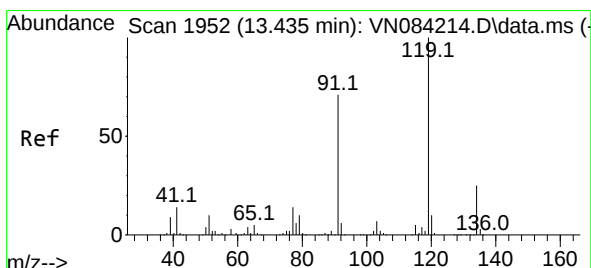
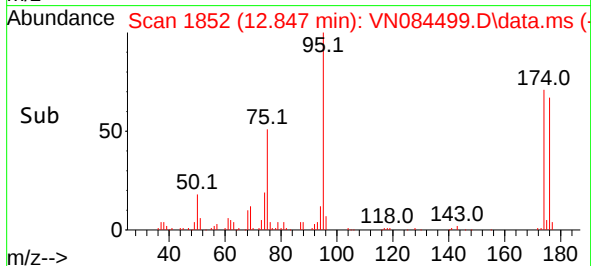
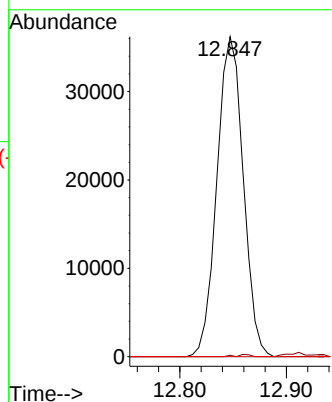
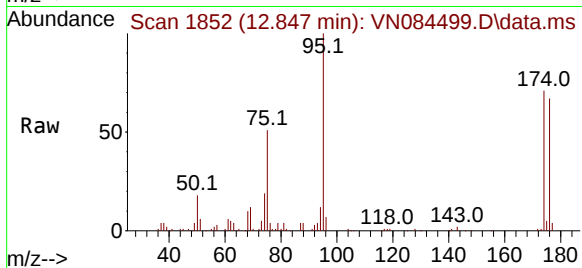




#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.099 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084499.D
 Acq: 24 Oct 2024 19:33

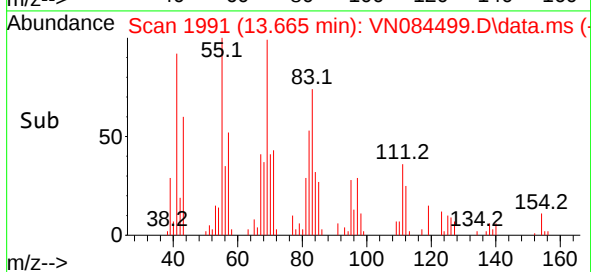
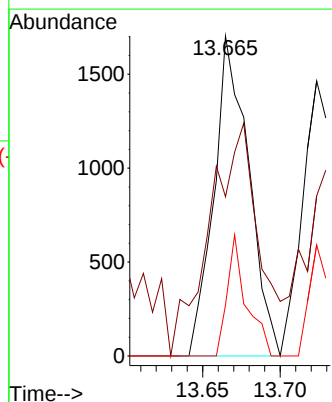
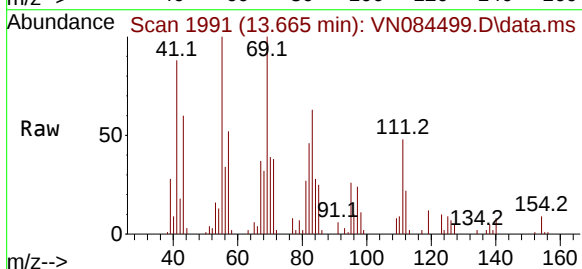
Instrument :
 MSVOA_N
 ClientSampleId :

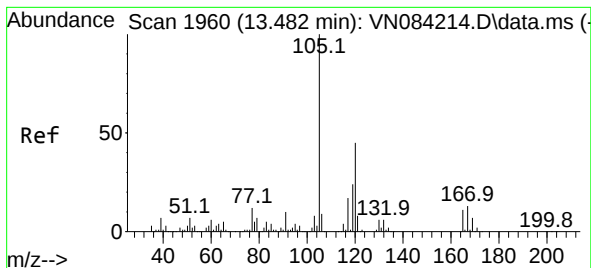
Tgt Ion: 75 Resp: 62086
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.0 117.0#
 89 0.0 35.5 53.3#



#83
 tert-Butylbenzene
 Concen: 0.383 ug/l
 RT: 13.665 min Scan# 1991
 Delta R.T. 0.230 min
 Lab File: VN084499.D
 Acq: 24 Oct 2024 19:33

Tgt Ion: 119 Resp: 2659
 Ion Ratio Lower Upper
 119 100
 91 102.0 34.1 102.3
 134 20.9 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.961 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

Instrument :

MSVOA_N

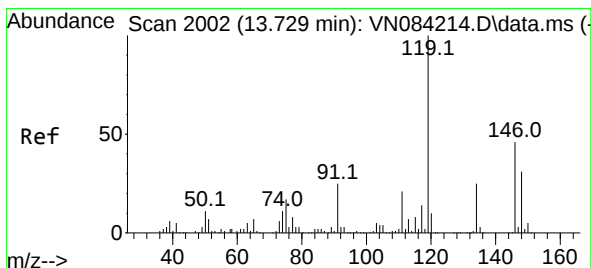
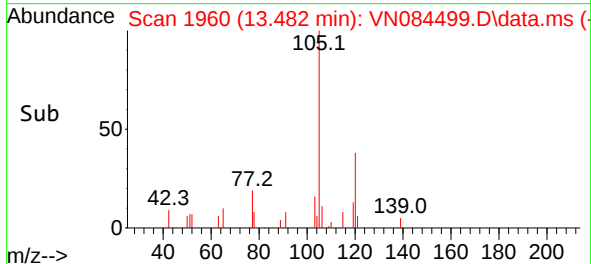
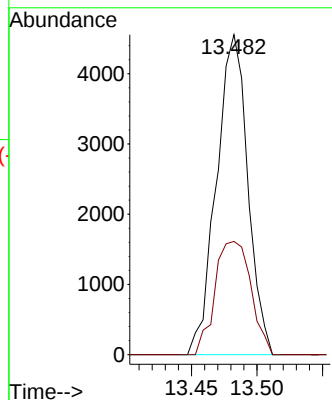
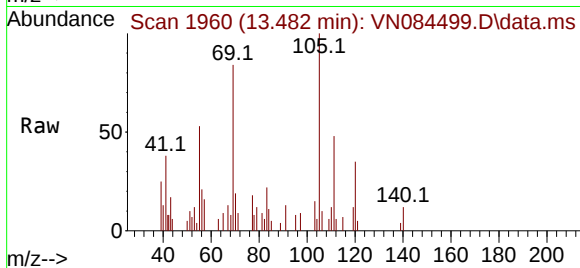
ClientSampleId :

Tgt Ion:105 Resp: 7563

Ion Ratio Lower Upper

105 100

120 40.7 22.3 66.8



#86

p-Isopropyltoluene

Concen: 0.310 ug/l

RT: 13.724 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN084499.D

Acq: 24 Oct 2024 19:33

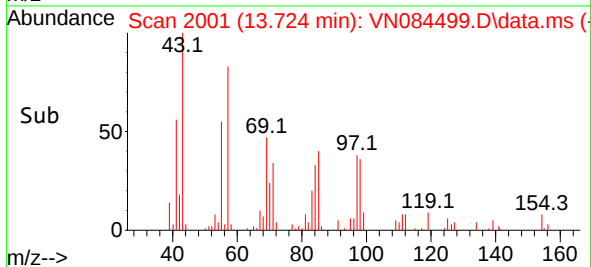
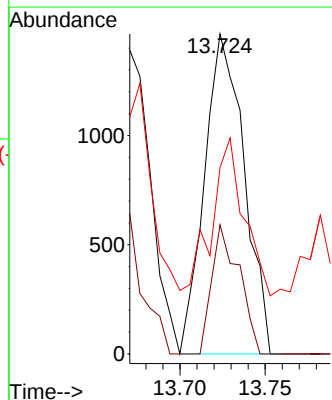
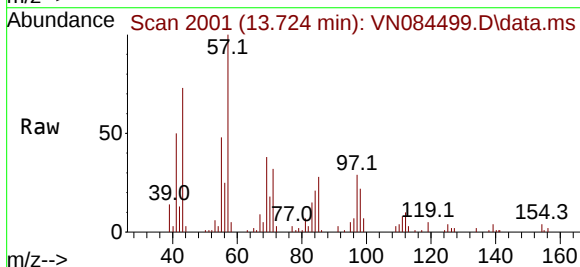
Tgt Ion:119 Resp: 2373

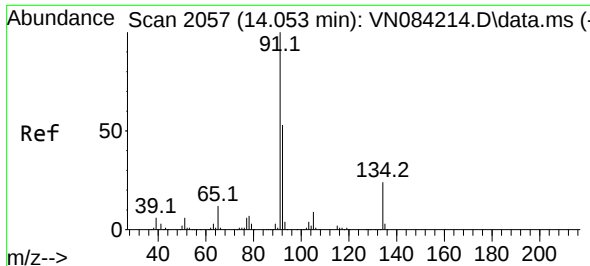
Ion Ratio Lower Upper

119 100

134 27.7 12.6 37.8

91 37.8 12.4 37.2#

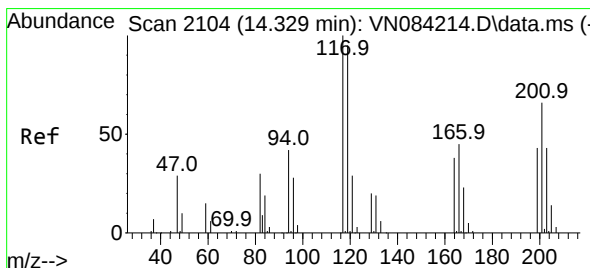
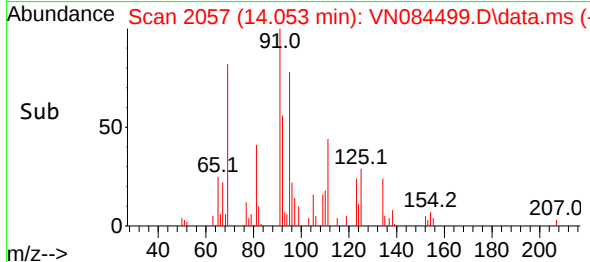
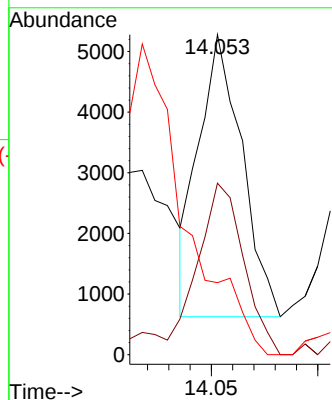
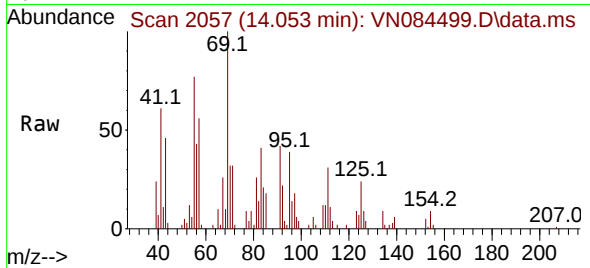




#89
n-Butylbenzene
Concen: 0.944 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

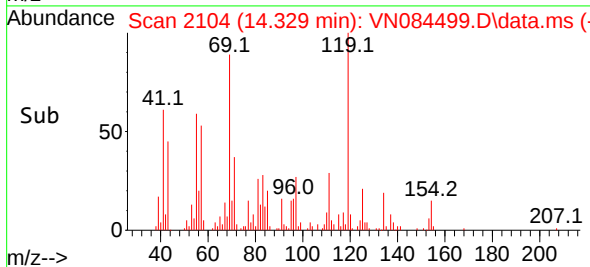
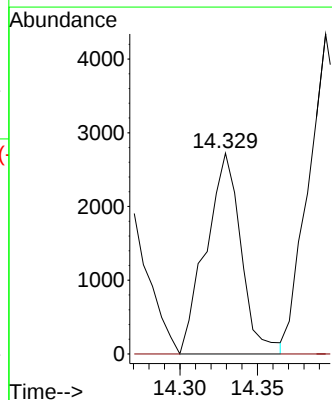
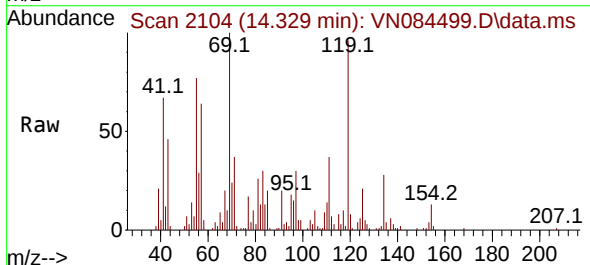
Instrument :
MSVOA_N
ClientSampleId :

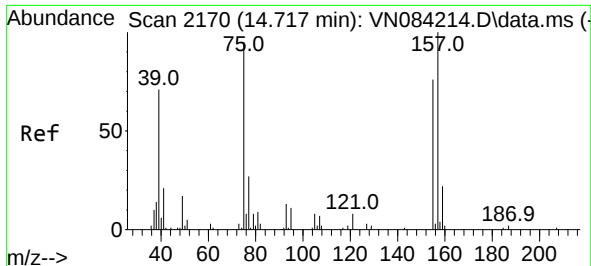
Tgt Ion: 91 Resp: 6559
Ion Ratio Lower Upper
91 100
92 64.5 26.6 79.7
134 0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 2.759 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

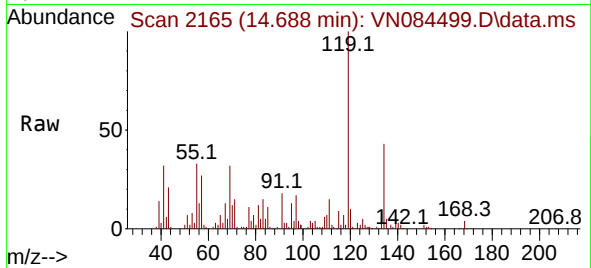
Tgt Ion: 117 Resp: 4290
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.2#



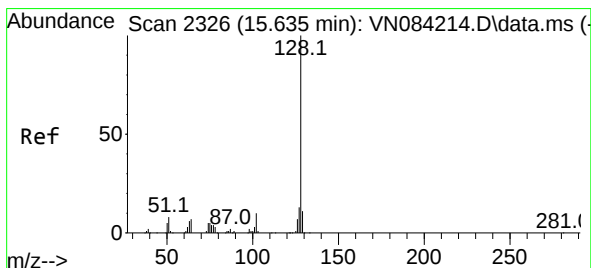
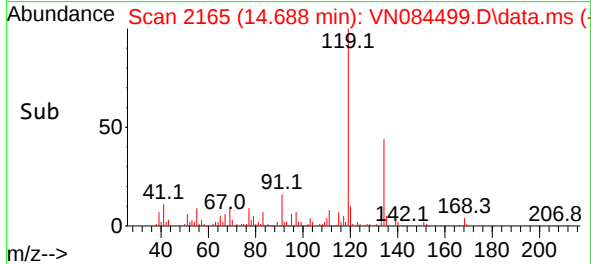
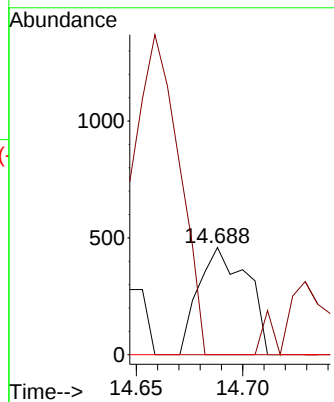


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.230 ug/l
RT: 14.688 min Scan# 2170
Delta R.T. -0.029 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 731
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 49.6 149.0#



#95
Naphthalene
Concen: 22.431 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084499.D
Acq: 24 Oct 2024 19:33

Tgt Ion:128 Resp: 155634
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.6 8.7 13.1

