

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
 Data File : VN084359.D
 Acq On : 09 Oct 2024 11:47
 Operator : JC\MD
 Sample : VN1009WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 10 01:16:43 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)

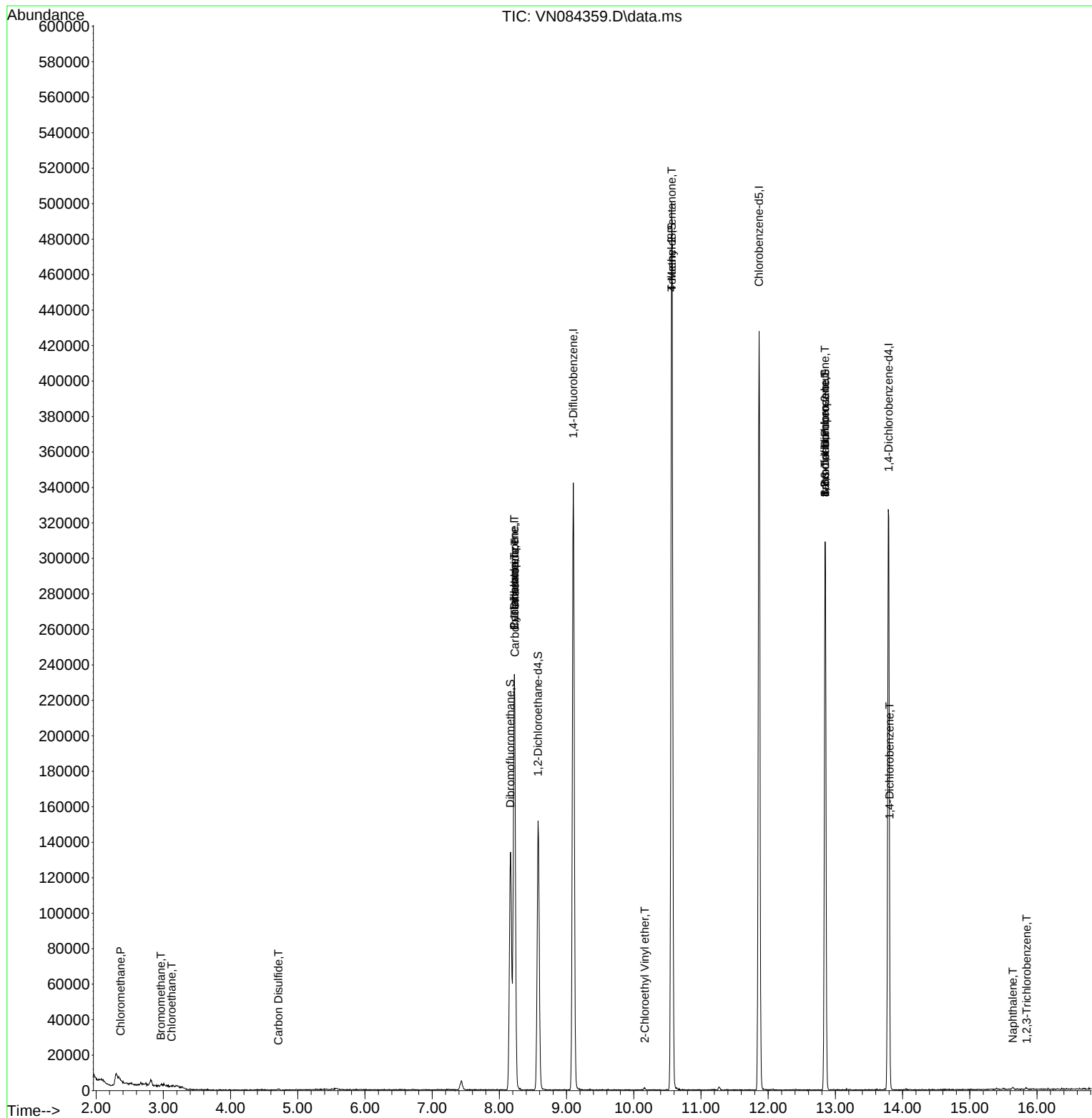
Internal Standards						
1) Pentafluorobenzene	8.224	168	167108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122453	49.422	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	8.165	113	96838	50.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.760%
50) Toluene-d8	10.565	98	345623	49.363	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.847	95	109637	42.982	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	528	0.234	ug/l #	41
5) Bromomethane	2.965	94	500	0.347	ug/l	94
6) Chloroethane	3.124	64	528	0.337	ug/l #	45
17) Carbon Disulfide	4.712	76	1272	0.214	ug/l #	75
31) Cyclohexane	8.224	56	4082	1.112	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	14529	5.256	ug/l #	52
38) Carbon Tetrachloride	8.230	117	18769	6.190	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1443	0.535	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.165	63	787	0.548	ug/l #	61
71) Bromoform	12.847	173	829	0.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57881	32.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57881	77.894	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	675	0.222	ug/l #	1
95) Naphthalene	15.641	128	1430	0.296	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.847	180	378	0.259	ug/l #	43

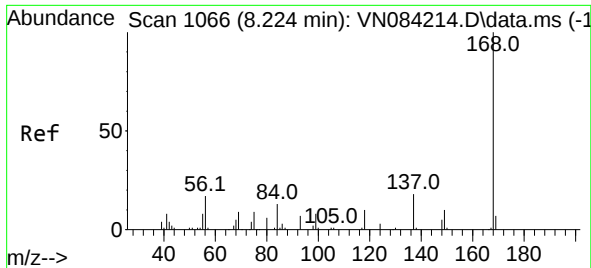
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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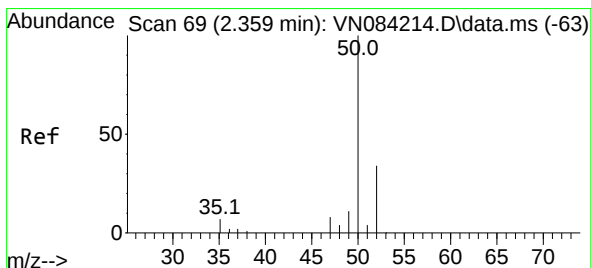
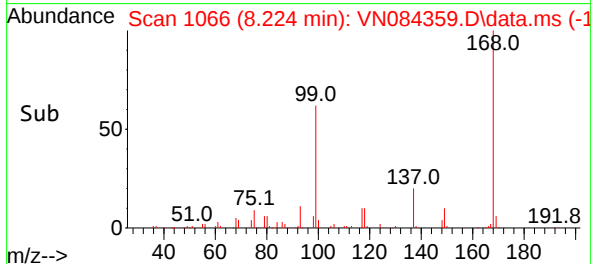
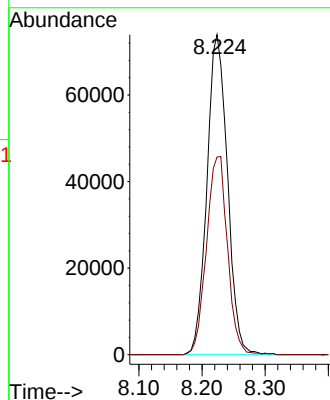
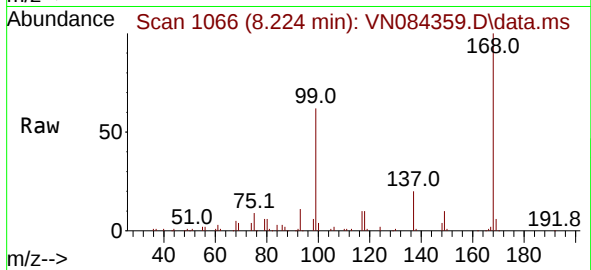




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

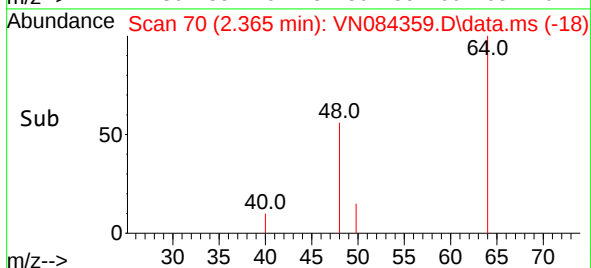
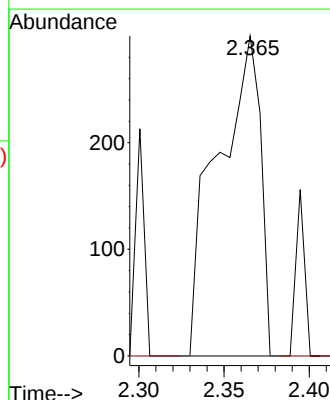
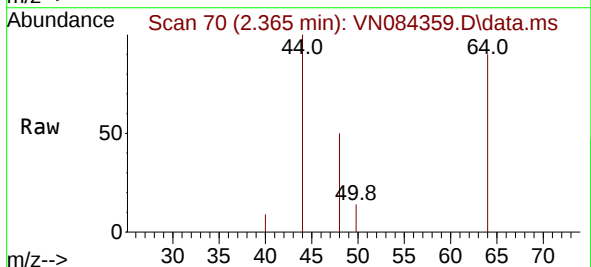
Instrument :
MSVOA_N
ClientSampleId :

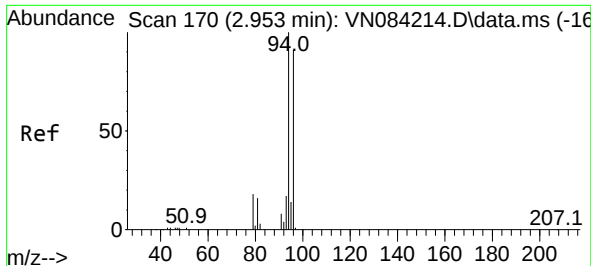
Tgt Ion:168 Resp: 167108
Ion Ratio Lower Upper
168 100
99 61.7 54.2 81.2



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

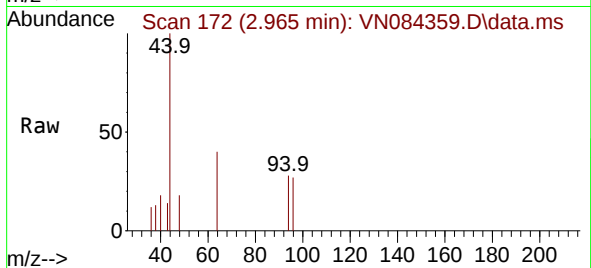
Tgt Ion: 50 Resp: 528
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



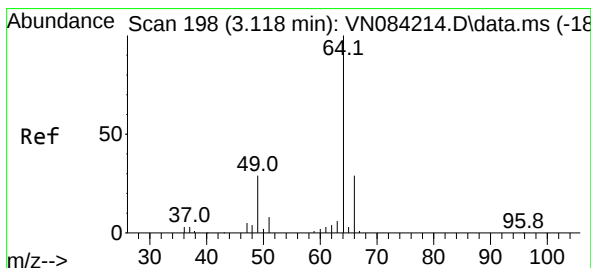
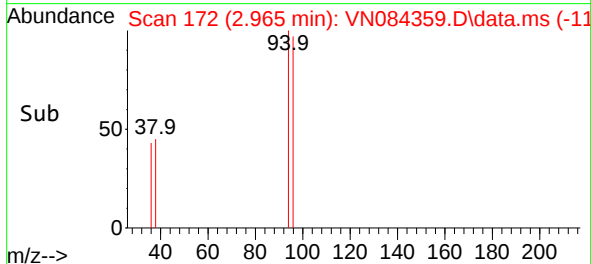
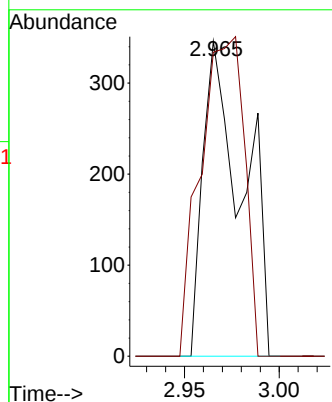


#5
Bromomethane
Concen: 0.347 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

Instrument :
MSVOA_N
ClientSampleId :

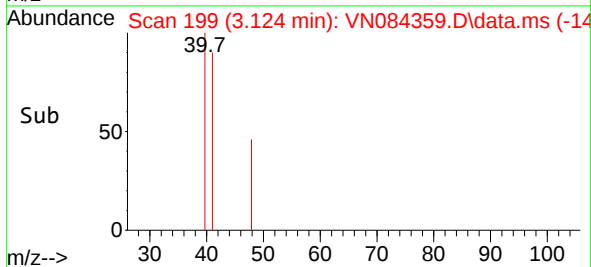
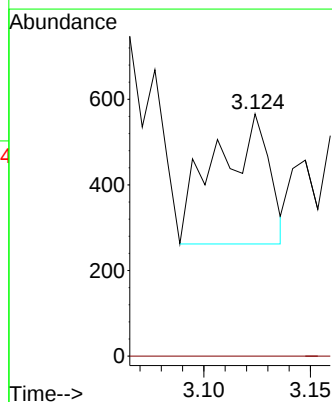
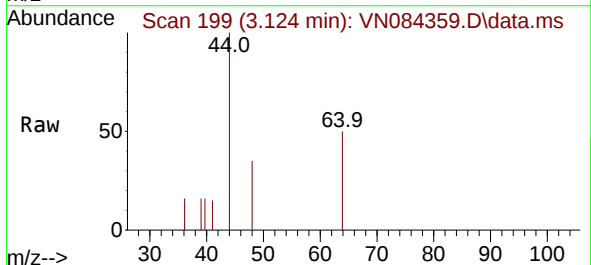


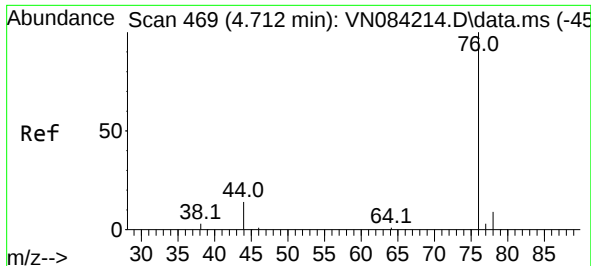
Tgt Ion: 94 Resp: 500
Ion Ratio Lower Upper
94 100
96 96.5 72.9 109.3



#6
Chloroethane
Concen: 0.337 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

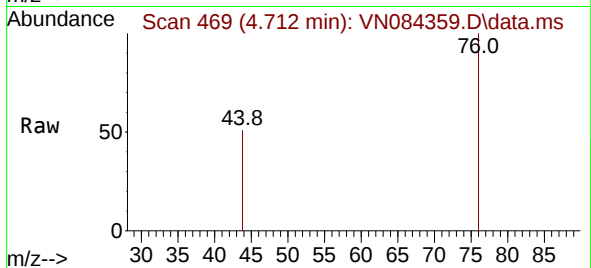
Tgt Ion: 64 Resp: 528
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



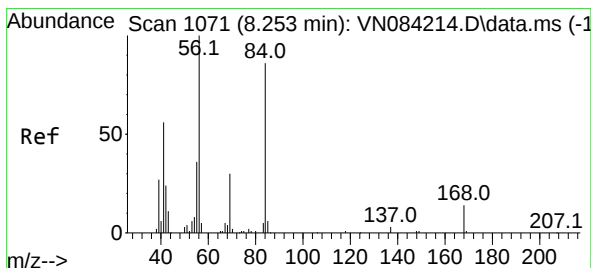
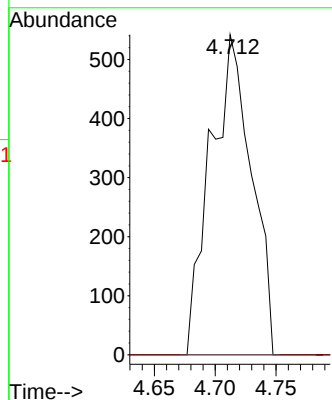
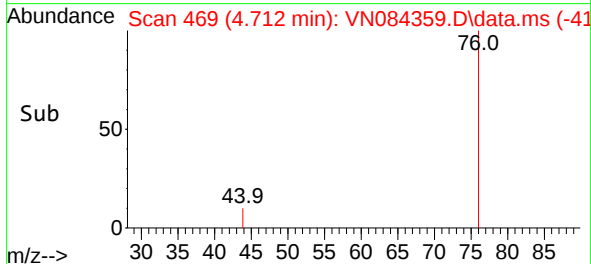


#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

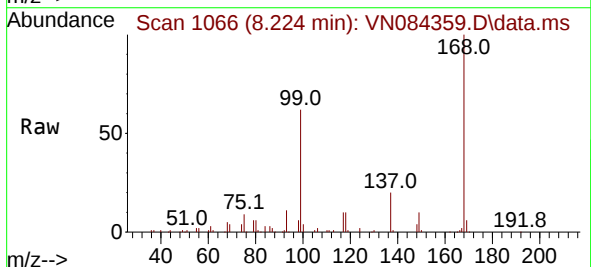
Instrument :
MSVOA_N
ClientSampleId :



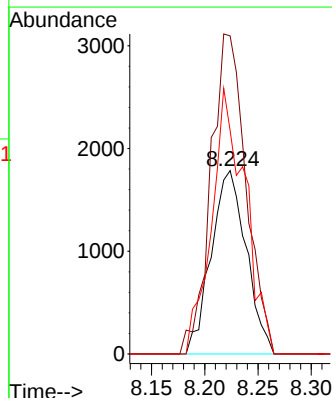
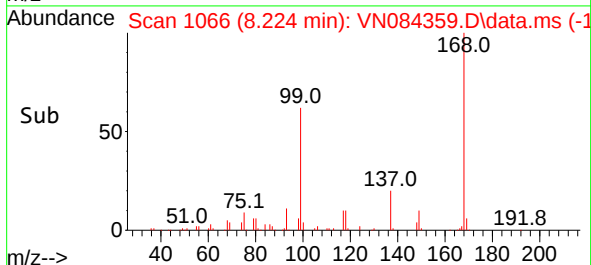
Tgt Ion: 76 Resp: 1272
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

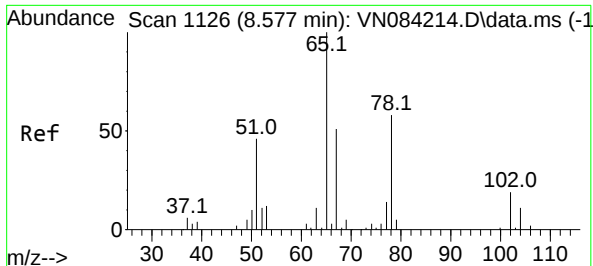


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47



Tgt Ion: 56 Resp: 4082
Ion Ratio Lower Upper
56 100
69 173.5 23.8 35.6#
84 121.8 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.422 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084359.D

Acq: 09 Oct 2024 11:47

Instrument :

MSVOA_N

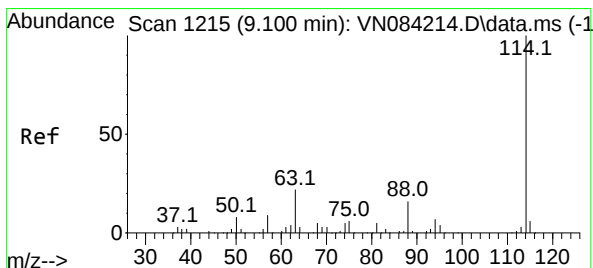
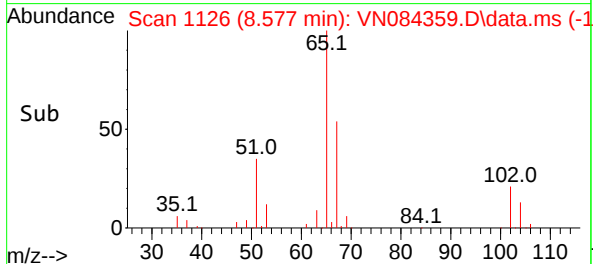
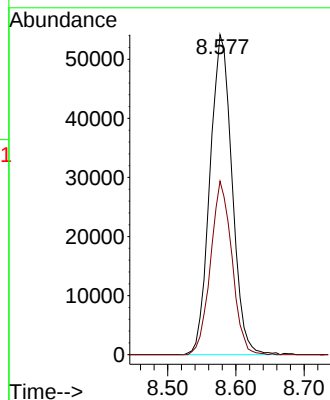
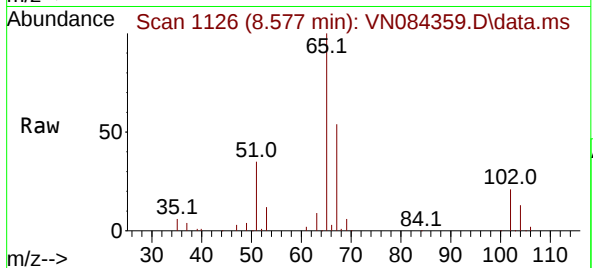
ClientSampleId :

Tgt Ion: 65 Resp: 122453

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: VN084359.D

Acq: 09 Oct 2024 11:47

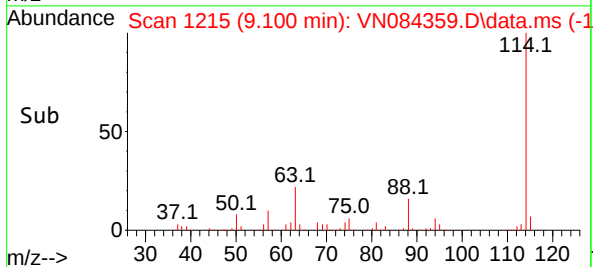
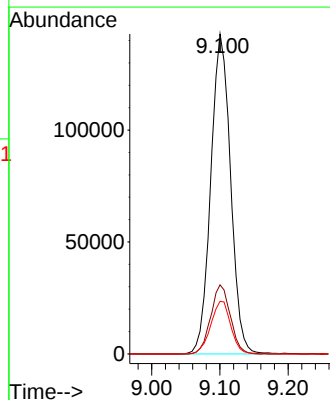
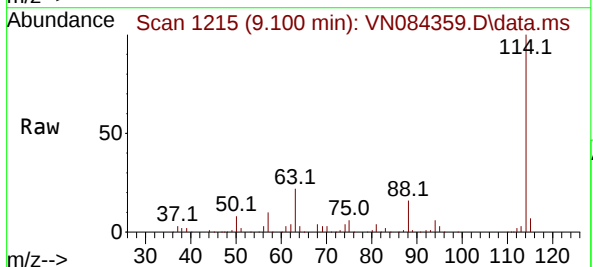
Tgt Ion: 114 Resp: 288670

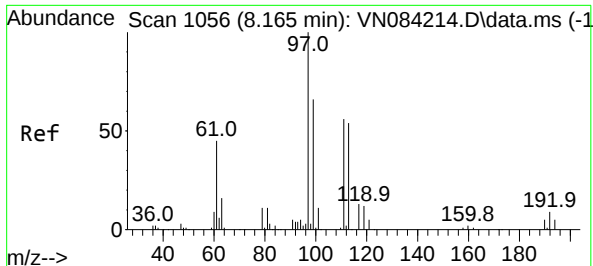
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.885 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084359.D

Acq: 09 Oct 2024 11:47

Instrument :

MSVOA_N

ClientSampleId :

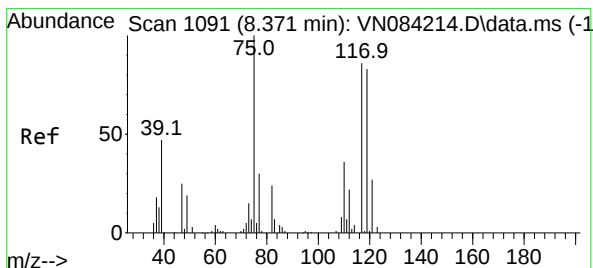
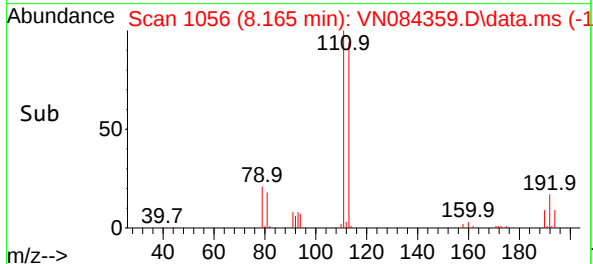
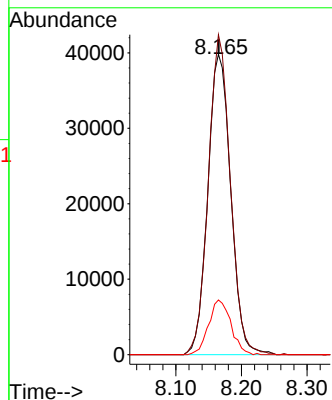
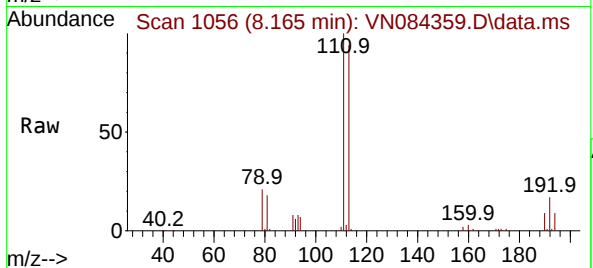
Tgt Ion:113 Resp: 96838

Ion Ratio Lower Upper

113 100

111 102.2 83.3 124.9

192 17.8 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.256 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084359.D

Acq: 09 Oct 2024 11:47

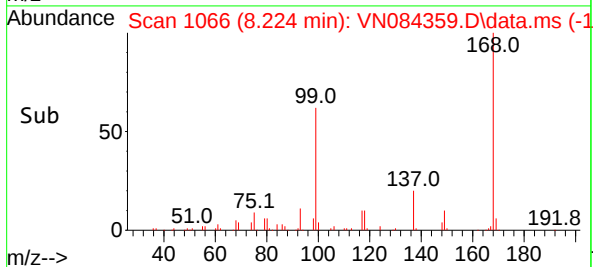
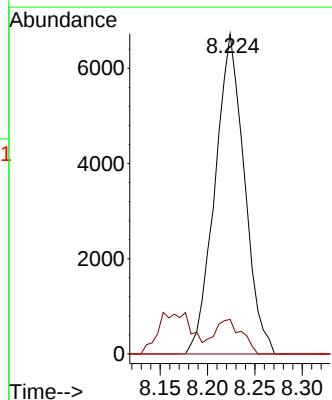
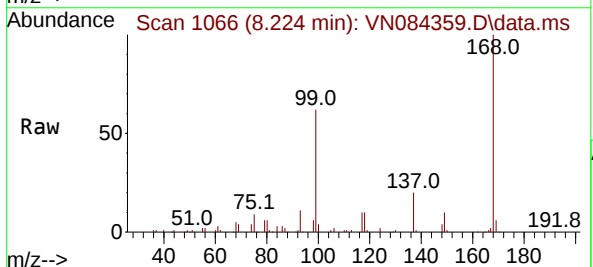
Tgt Ion: 75 Resp: 14529

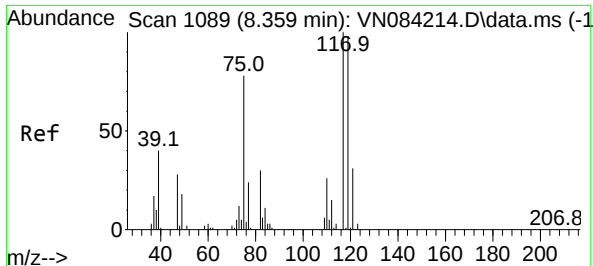
Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.7#

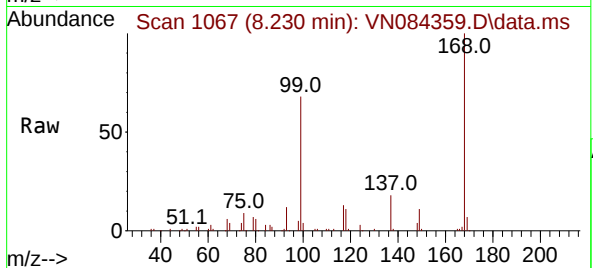
77 0.0 24.7 37.1#



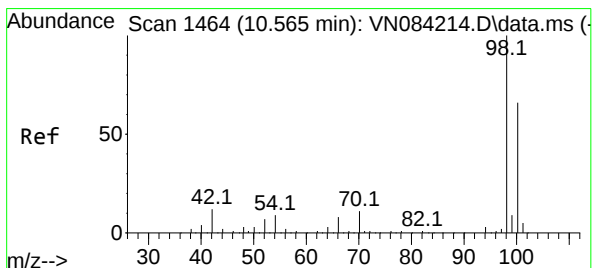
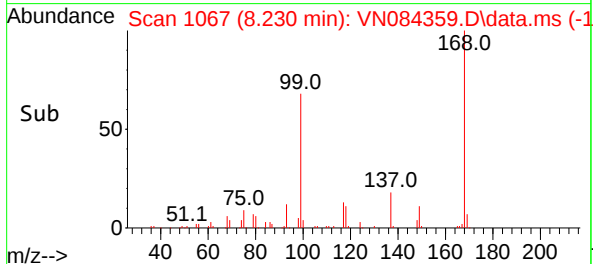
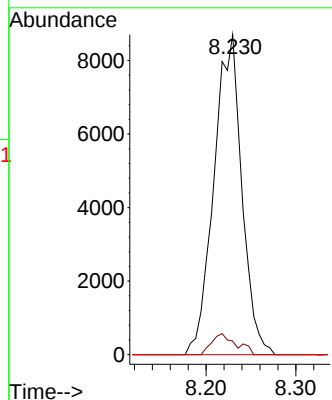


#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

Instrument :
MSVOA_N
ClientSampleId :

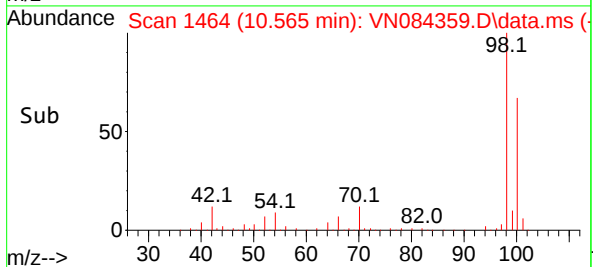
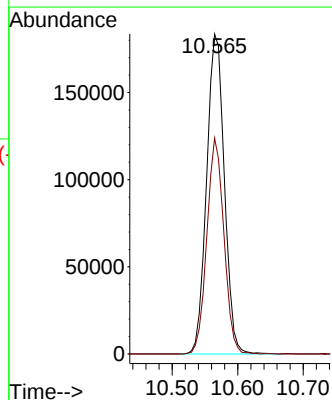
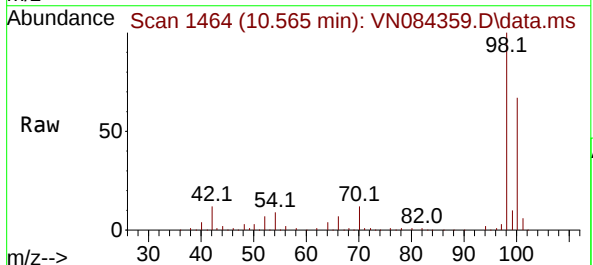


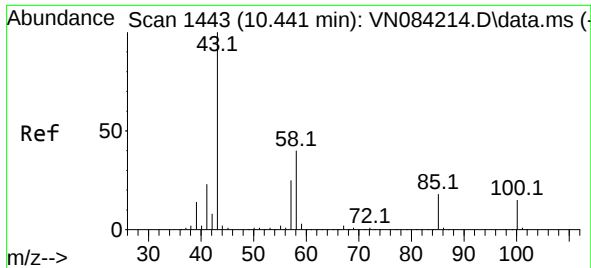
Tgt Ion:117 Resp: 18769
Ion Ratio Lower Upper
117 100
119 4.3 78.7 118.1#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.363 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

Tgt Ion: 98 Resp: 345623
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1

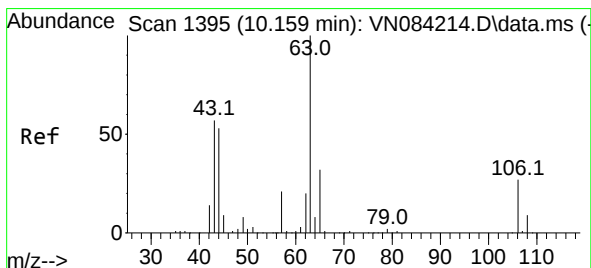
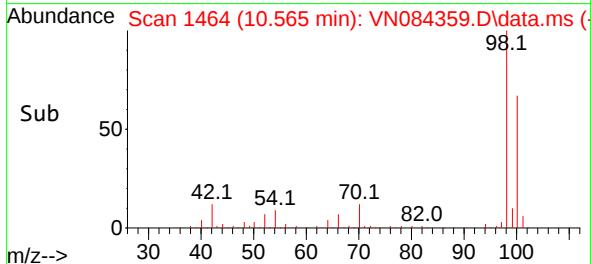
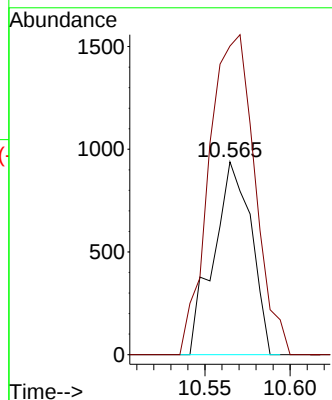
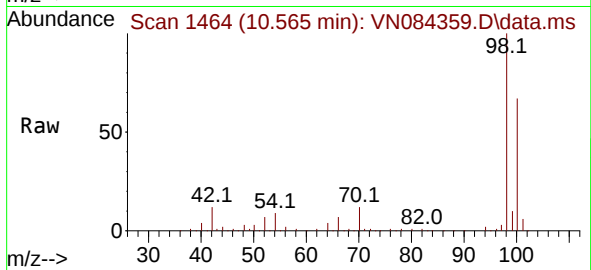




#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

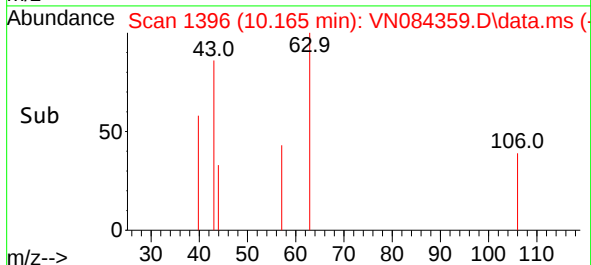
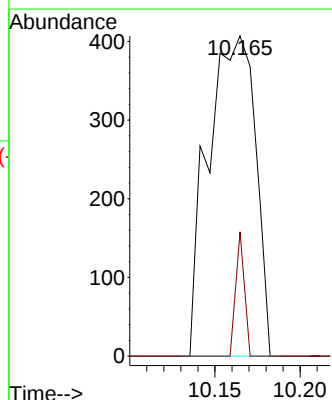
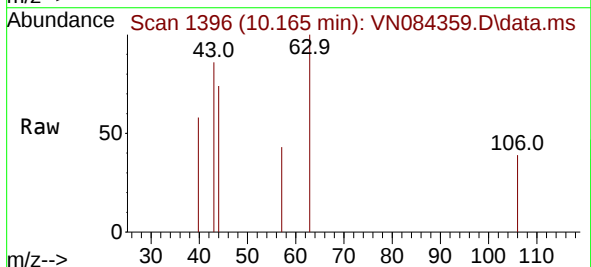
Instrument :
MSVOA_N
ClientSampleId :

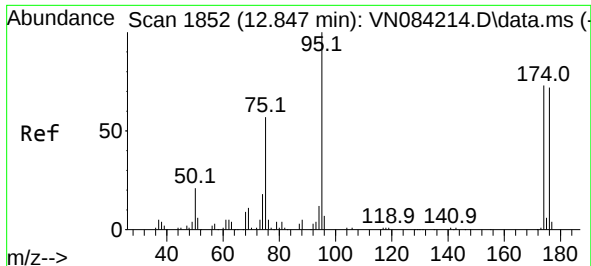
Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
58 201.7 31.6 47.4#



#58
2-Chloroethyl Vinyl ether
Concen: 0.548 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

Tgt Ion: 63 Resp: 787
Ion Ratio Lower Upper
63 100
106 7.1 21.8 32.6#





#62

4-Bromofluorobenzene

Concen: 42.982 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084359.D

Acq: 09 Oct 2024 11:47

Instrument :

MSVOA_N

ClientSampleId :

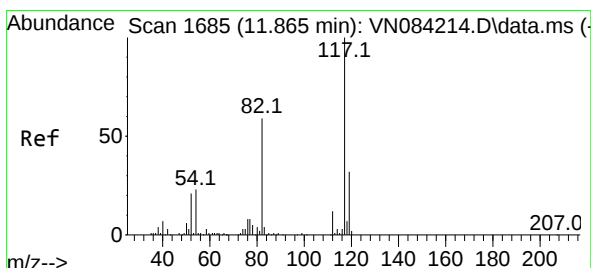
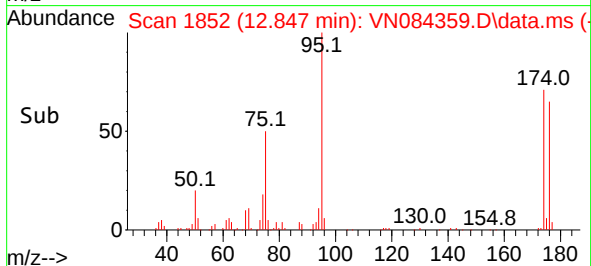
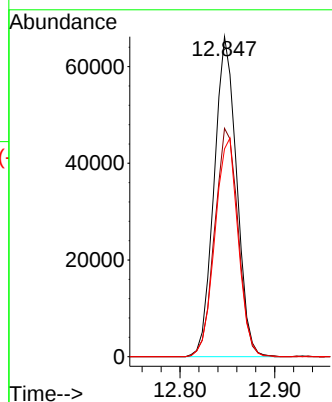
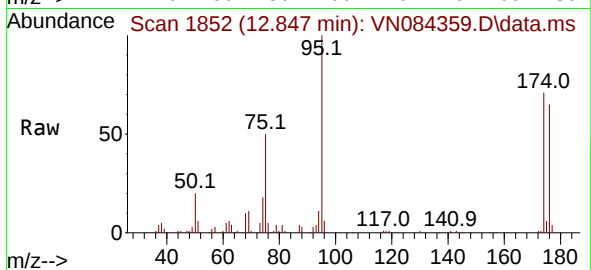
Tgt Ion: 95 Resp: 109637

Ion Ratio Lower Upper

95 100

174 74.3 0.0 145.2

176 70.4 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: VN084359.D

Acq: 09 Oct 2024 11:47

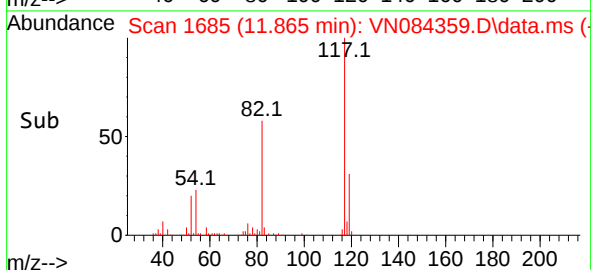
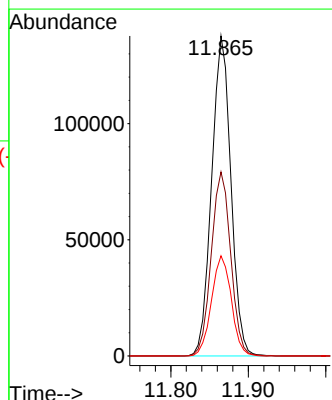
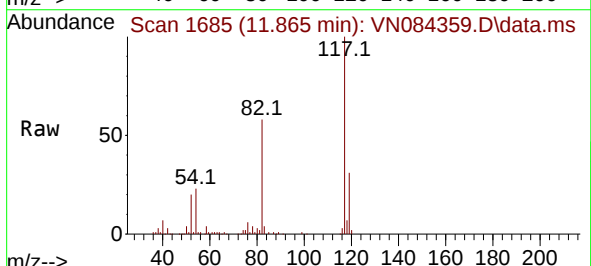
Tgt Ion: 117 Resp: 237723

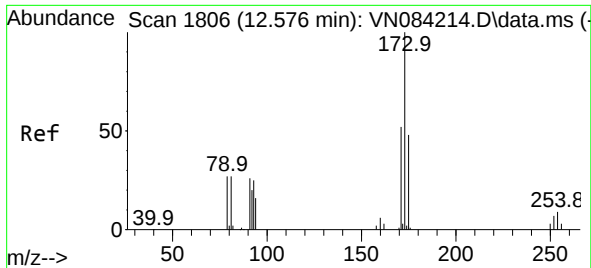
Ion Ratio Lower Upper

117 100

82 57.5 47.2 70.8

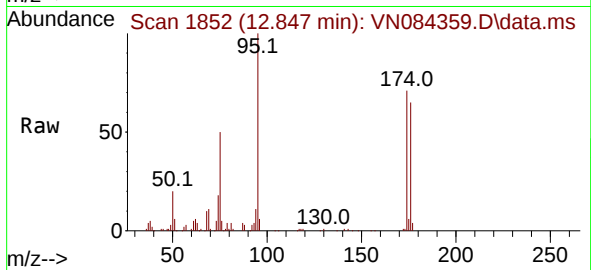
119 31.3 25.4 38.0



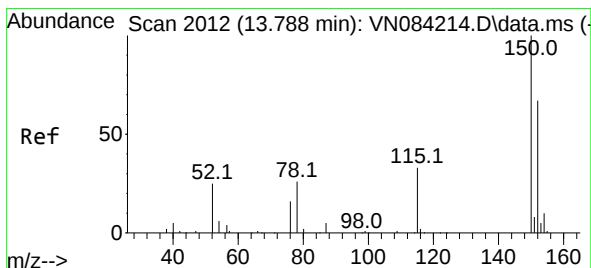
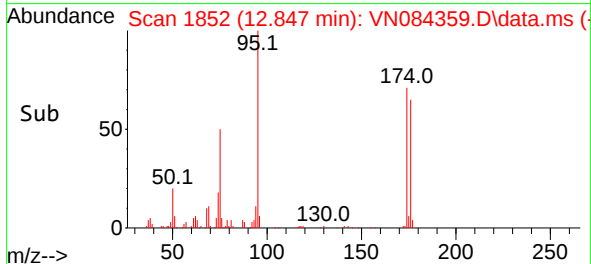
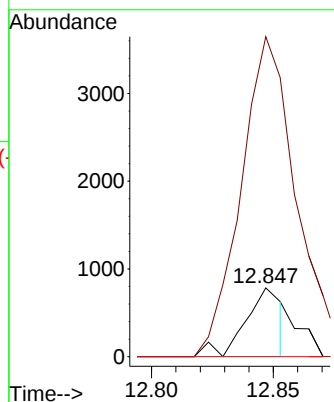


#71
Bromoform
Concen: 0.620 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

Instrument :
MSVOA_N
ClientSampleId :

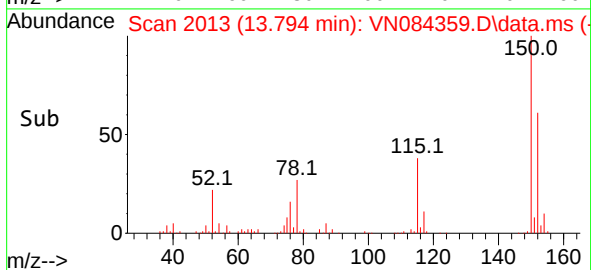
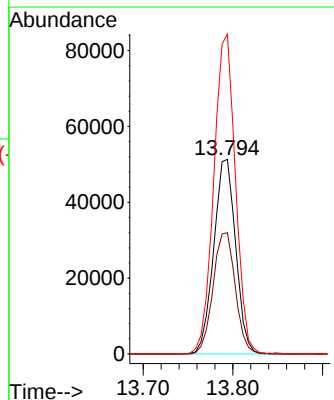
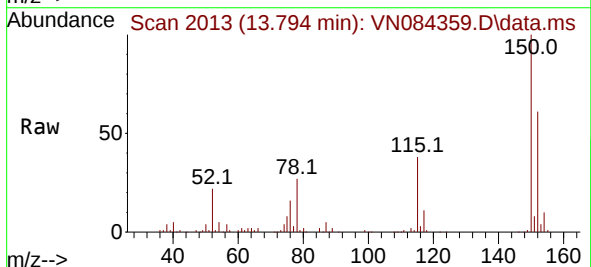


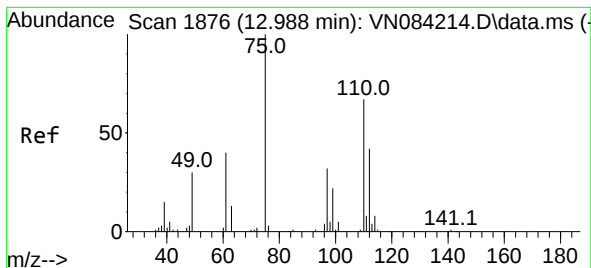
Tgt Ion:173 Resp: 829
Ion Ratio Lower Upper
173 100
175 523.9 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084359.D
Acq: 09 Oct 2024 11:47

Tgt Ion:152 Resp: 87262
Ion Ratio Lower Upper
152 100
115 63.2 31.3 93.9
150 161.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 32.490 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084359.D

Acq: 09 Oct 2024 11:47

Instrument :

MSVOA_N

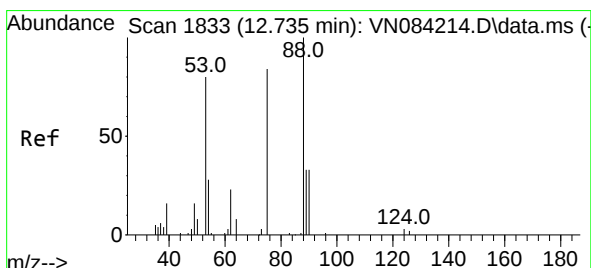
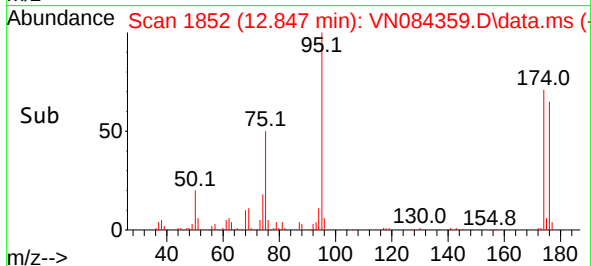
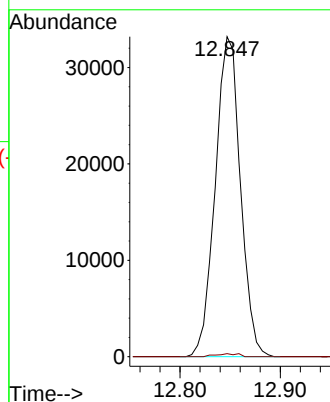
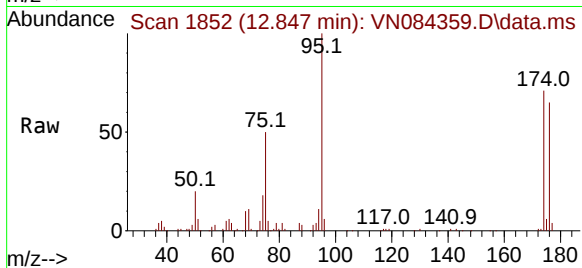
ClientSampleId :

Tgt Ion: 75 Resp: 57881

Ion Ratio Lower Upper

75 100

77 0.8 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.894 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084359.D

Acq: 09 Oct 2024 11:47

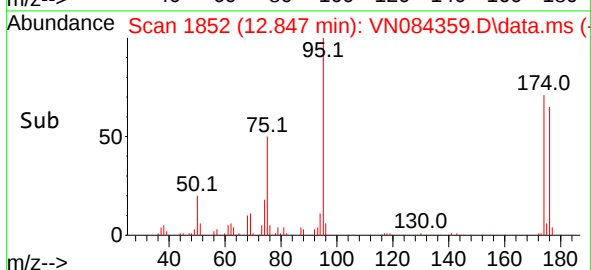
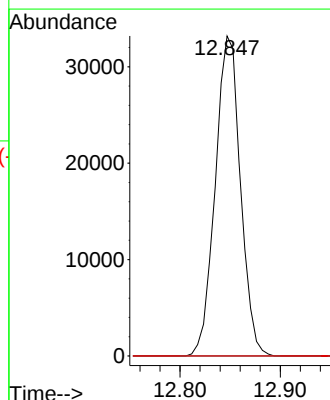
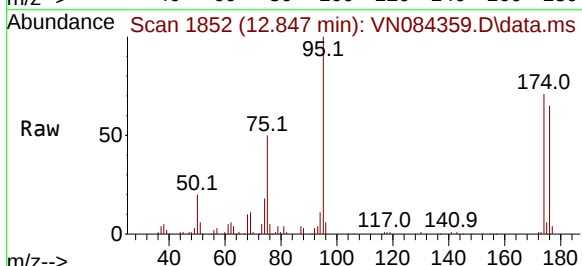
Tgt Ion: 75 Resp: 57881

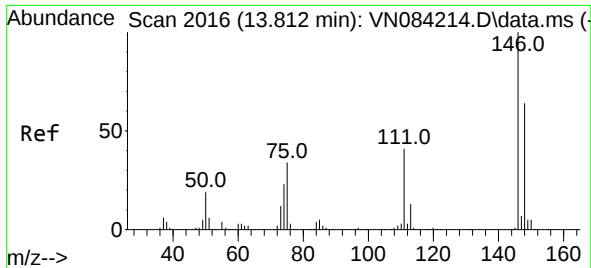
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

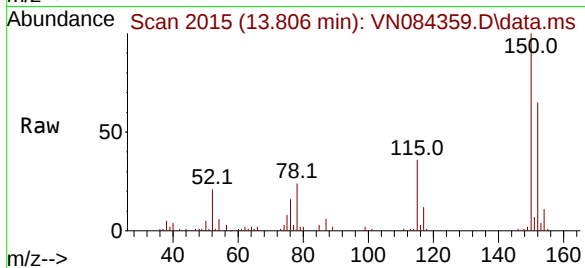
89 0.0 35.5 53.3#



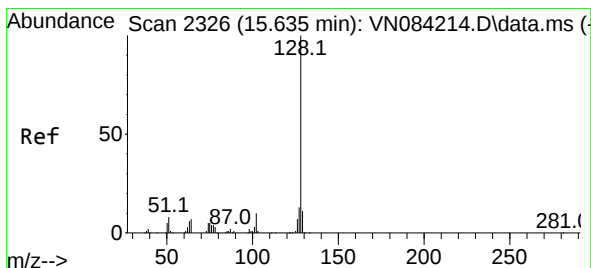
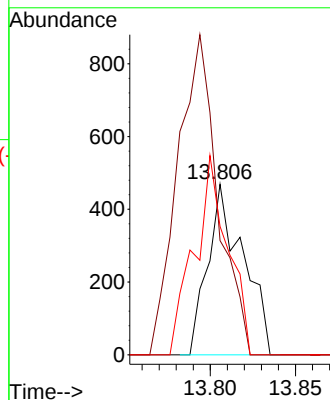
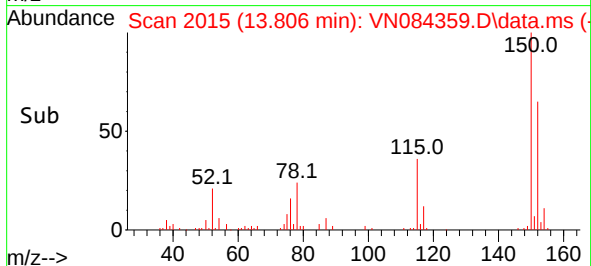


#88
 1,4-Dichlorobenzene
 Concen: 0.222 ug/l
 RT: 13.806 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: VN084359.D
 Acq: 09 Oct 2024 11:47

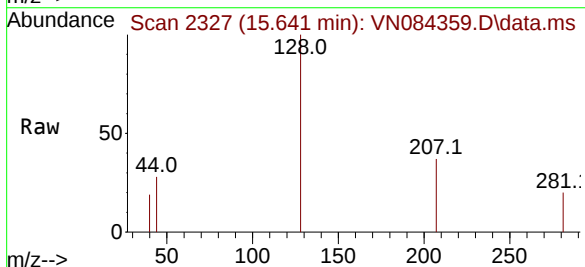
Instrument :
 MSVOA_N
 ClientSampleId :



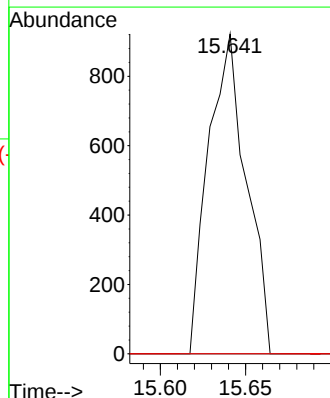
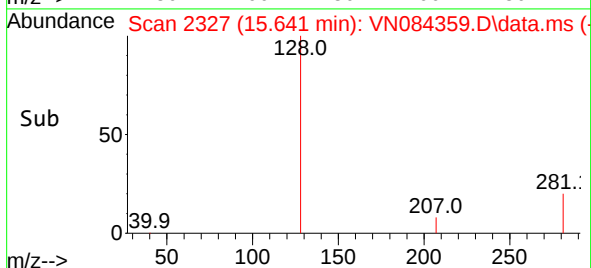
Tgt Ion:146 Resp: 675
 Ion Ratio Lower Upper
 146 100
 111 212.7 21.2 63.6#
 148 110.5 31.9 95.9#

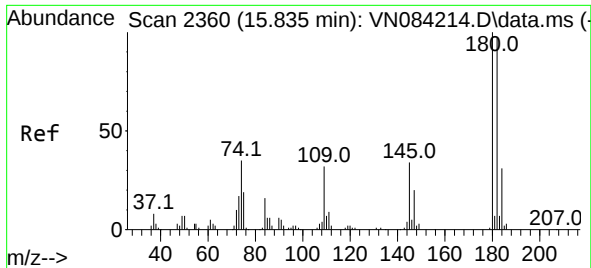


#95
 Naphthalene
 Concen: 0.296 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.006 min
 Lab File: VN084359.D
 Acq: 09 Oct 2024 11:47



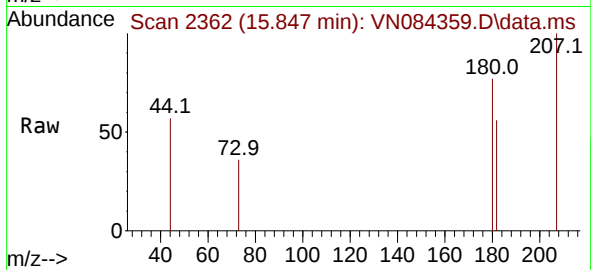
Tgt Ion:128 Resp: 1430
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN084359.D
 Acq: 09 Oct 2024 11:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 378
 Ion Ratio Lower Upper
 180 100
 182 41.5 48.2 144.6#
 145 0.0 17.3 51.9#

