

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084264.D
 Acq On : 02 Oct 2024 14:57
 Operator : JC\MD
 Sample : P4226-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 01:59:57 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)

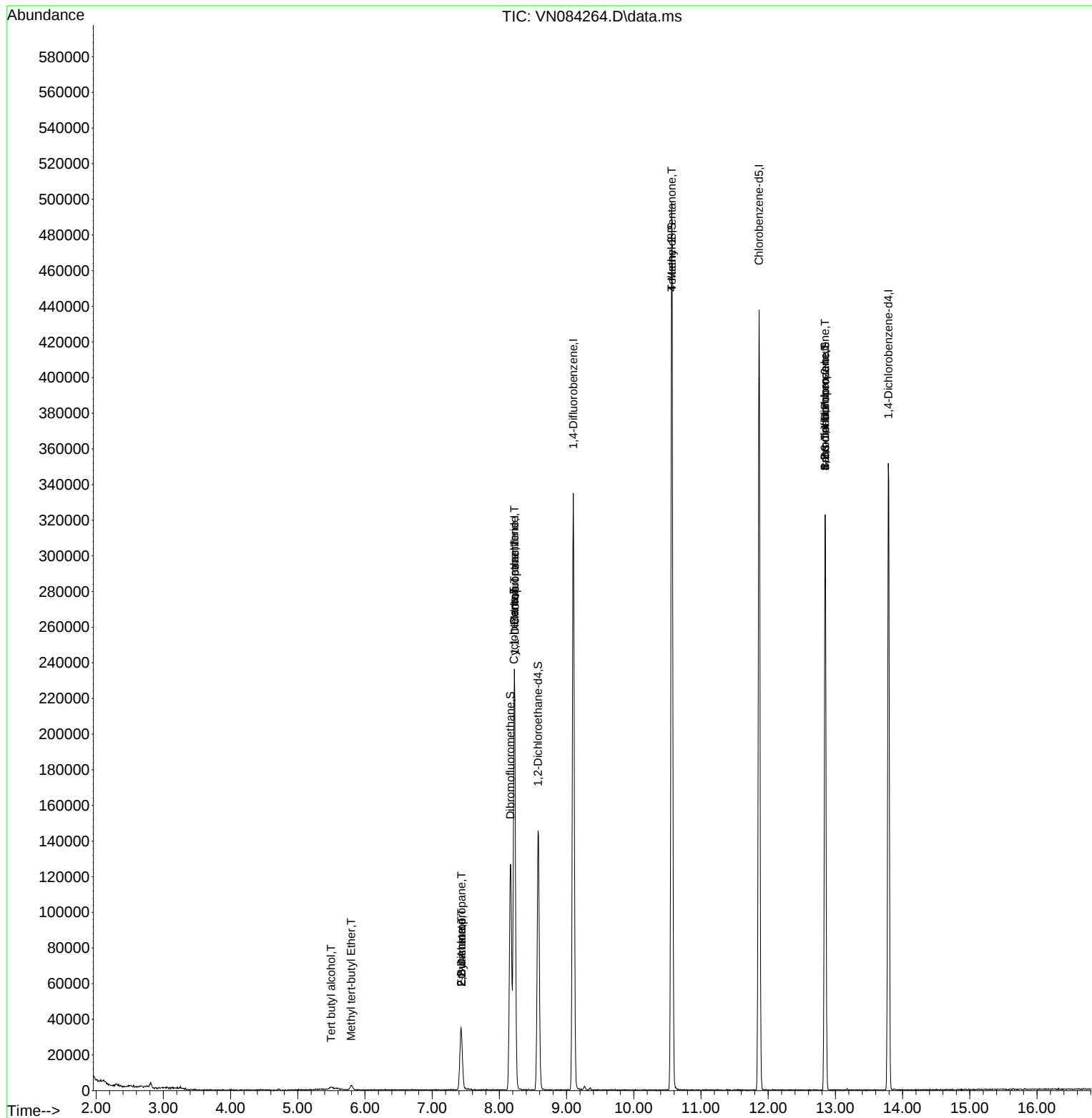
Internal Standards						
1) Pentafluorobenzene	8.224	168	163663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120611	49.704	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.400%
35) Dibromofluoromethane	8.165	113	93679	51.114	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.220%
50) Toluene-d8	10.565	98	339620	50.367	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.847	95	112545	45.815	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.494	59	1186	2.964	ug/l #	73
19) Methyl tert-butyl Ether	5.794	73	4282	0.688	ug/l	96
25) 2-Butanone	7.435	43	1630	1.148	ug/l #	48
26) 2,2-Dichloropropane	7.435	77	2125	0.637	ug/l #	54
31) Cyclohexane	8.218	56	4101	1.141	ug/l #	14
36) 1,1-Dichloropropene	8.229	75	14852	5.579	ug/l #	49
37) Ethyl Acetate	7.435	43	1630	0.597	ug/l #	16
38) Carbon Tetrachloride	8.224	117	18033	6.175	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1498	0.576	ug/l #	1
71) Bromoform	12.847	173	863	0.636	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	61164	31.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61164	75.811	ug/l #	11

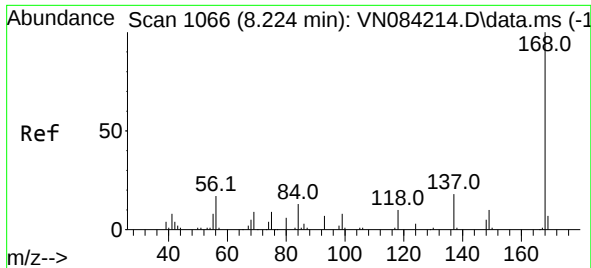
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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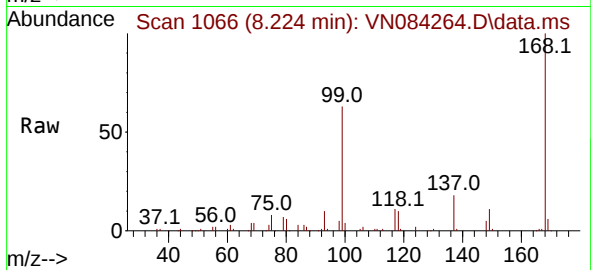
Quant Time: Oct 03 01:59:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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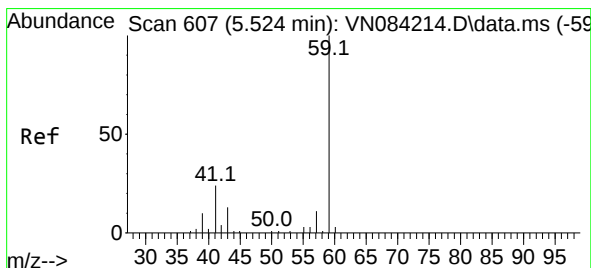
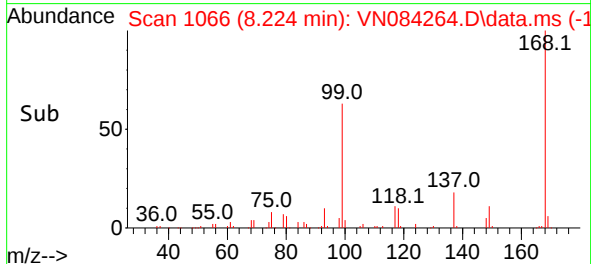
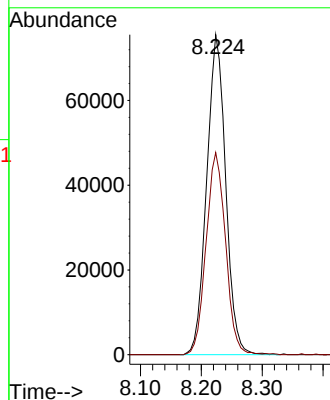


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

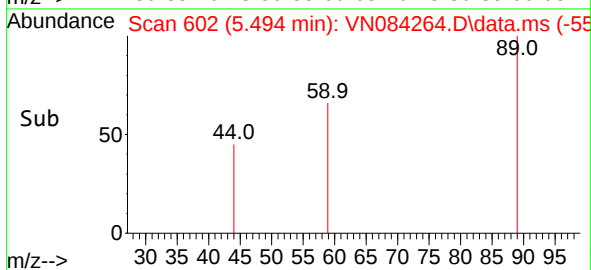
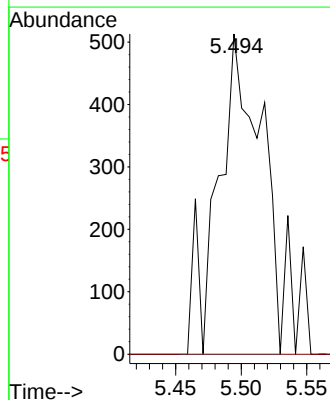
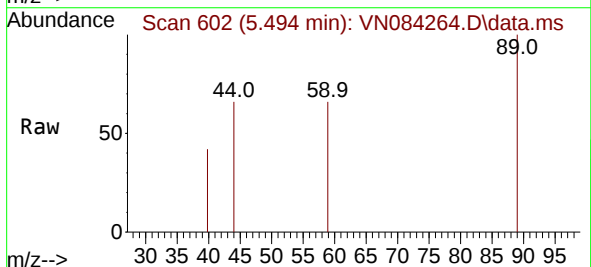


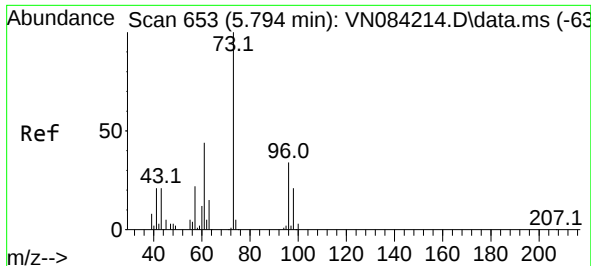
Tgt Ion:168 Resp: 163663
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#11
Tert butyl alcohol
Concen: 2.964 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Tgt Ion: 59 Resp: 1186
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#19

Methyl tert-butyl Ether

Concen: 0.688 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

Instrument :

MSVOA_N

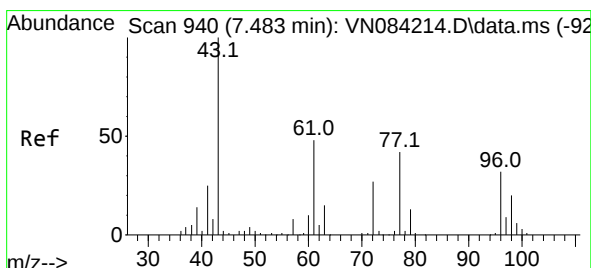
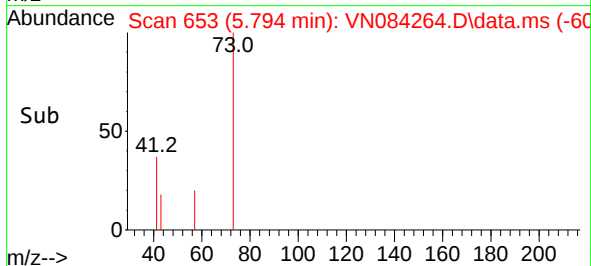
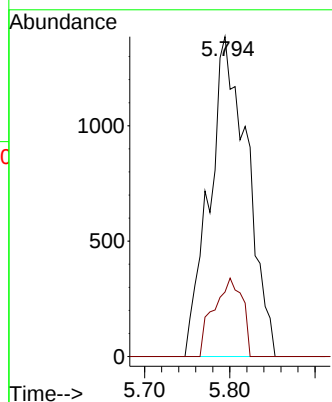
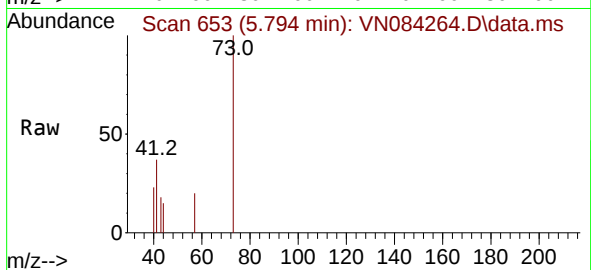
ClientSampleId :

Tgt Ion: 73 Resp: 4282

Ion Ratio Lower Upper

73 100

57 20.2 17.7 26.5



#25

2-Butanone

Concen: 1.148 ug/l

RT: 7.435 min Scan# 932

Delta R.T. -0.047 min

Lab File: VN084264.D

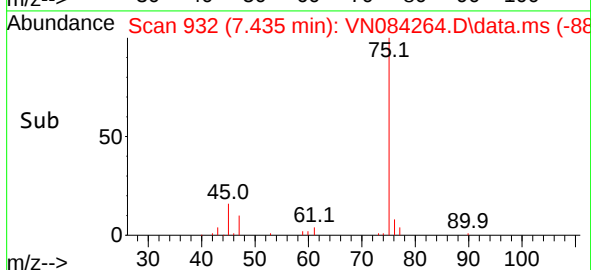
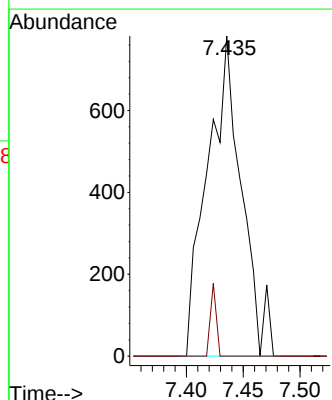
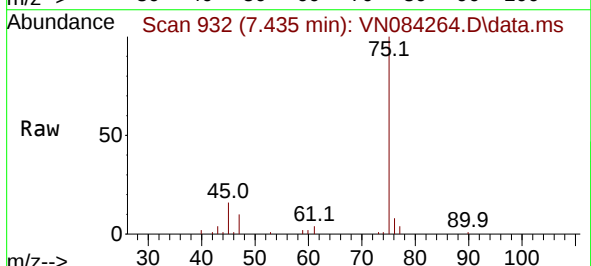
Acq: 02 Oct 2024 14:57

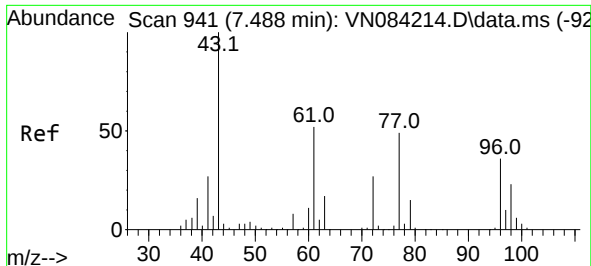
Tgt Ion: 43 Resp: 1630

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

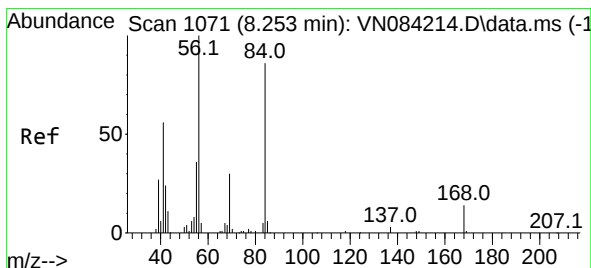
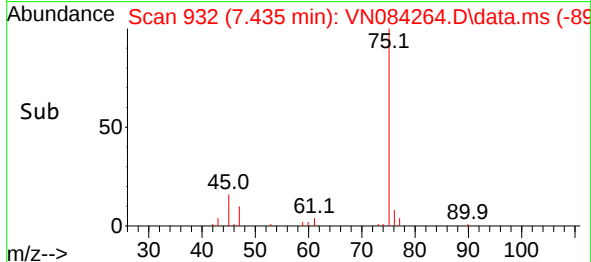
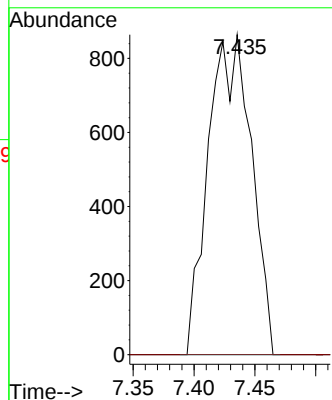
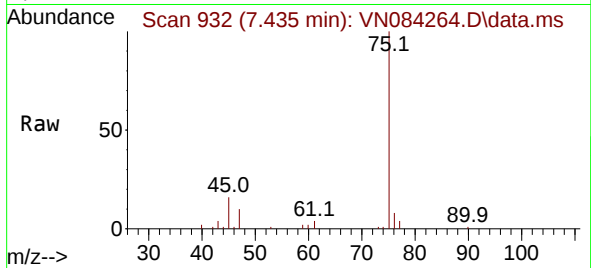




#26
2,2-Dichloropropane
Concen: 0.637 ug/l
RT: 7.435 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

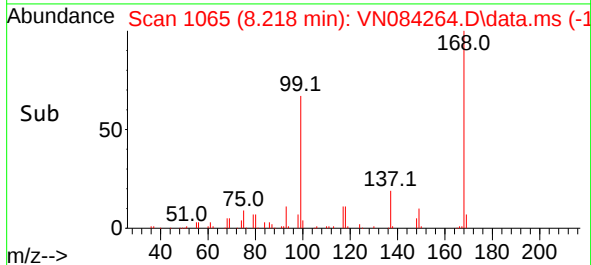
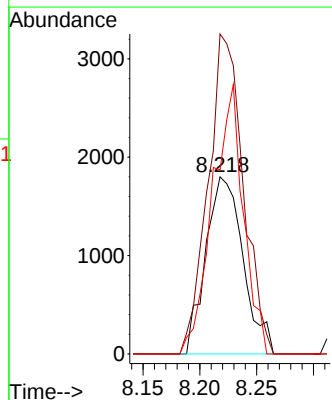
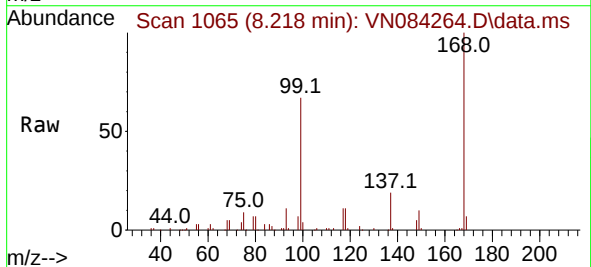
Instrument :
MSVOA_N
ClientSampleId :

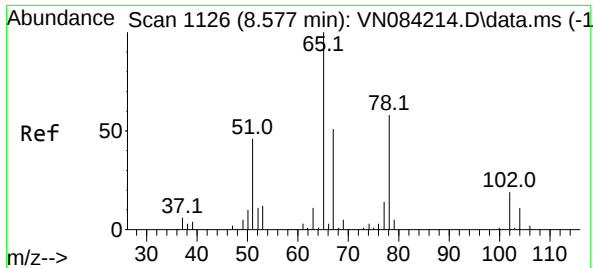
Tgt Ion: 77 Resp: 2125
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Tgt Ion: 56 Resp: 4101
Ion Ratio Lower Upper
56 100
69 180.7 23.8 35.6#
84 104.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.704 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

Instrument :

MSVOA_N

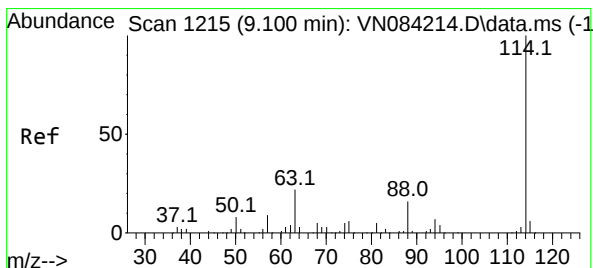
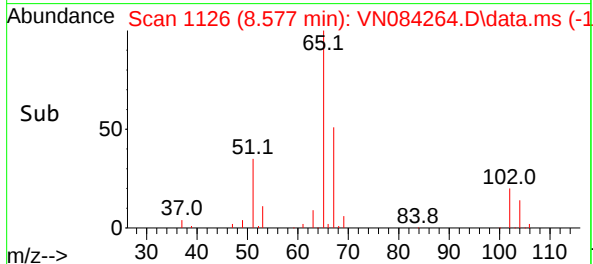
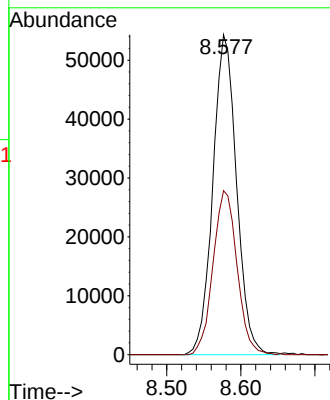
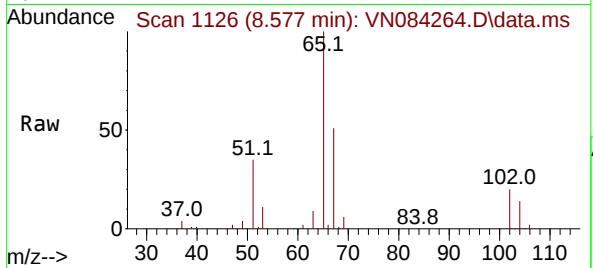
ClientSampleId :

Tgt Ion: 65 Resp: 120611

Ion Ratio Lower Upper

65 100

67 51.9 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: VN084264.D

Acq: 02 Oct 2024 14:57

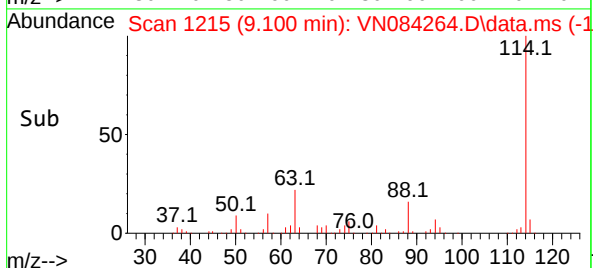
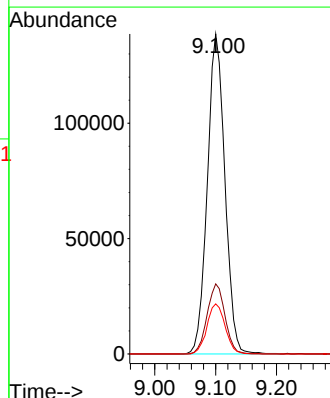
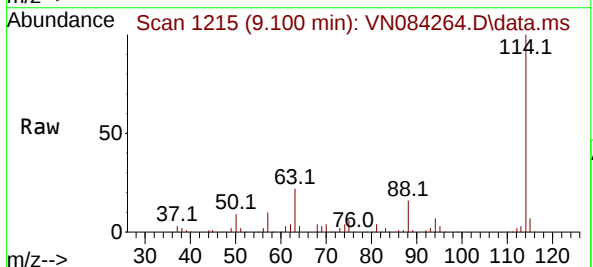
Tgt Ion: 114 Resp: 278001

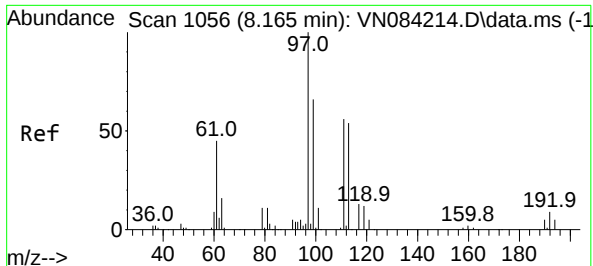
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.114 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :

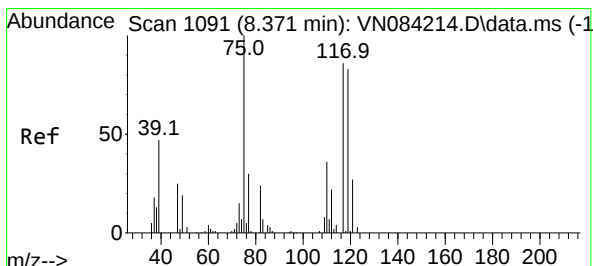
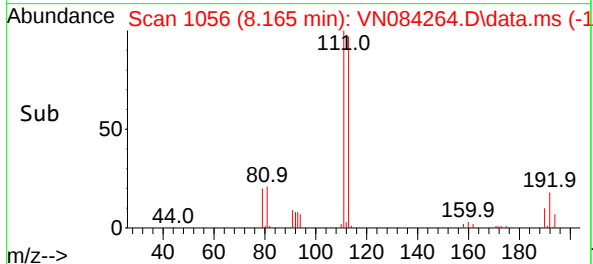
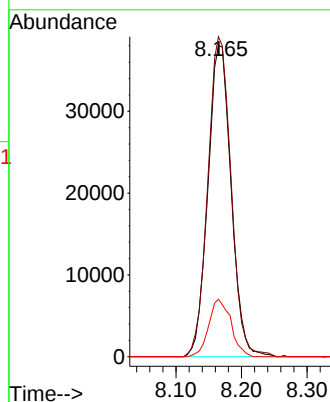
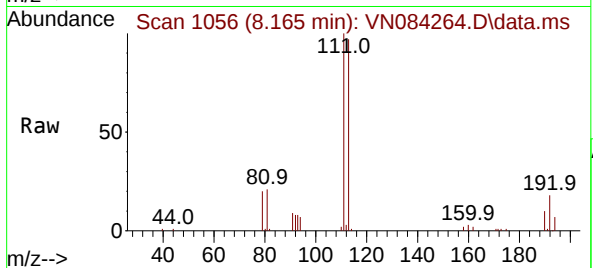
Tgt Ion:113 Resp: 93679

Ion Ratio Lower Upper

113 100

111 102.6 83.3 124.9

192 17.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.579 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

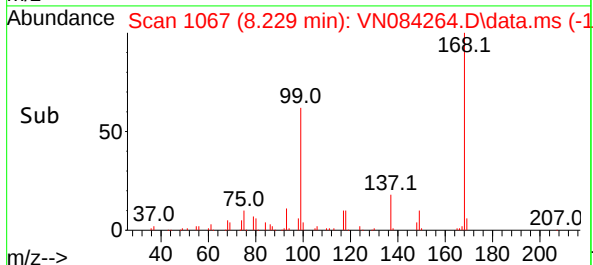
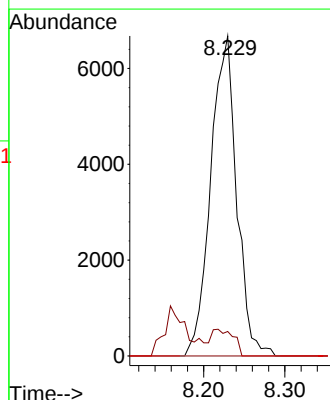
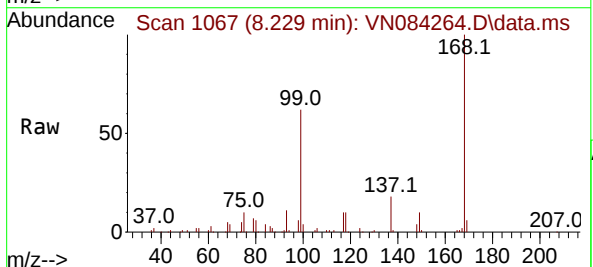
Tgt Ion: 75 Resp: 14852

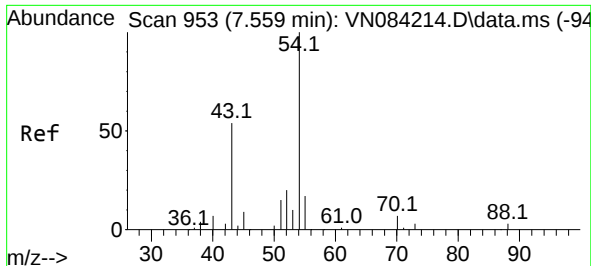
Ion Ratio Lower Upper

75 100

110 7.5 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.597 ug/l

RT: 7.435 min Scan# 91

Delta R.T. -0.124 min

Lab File: VN084264.D

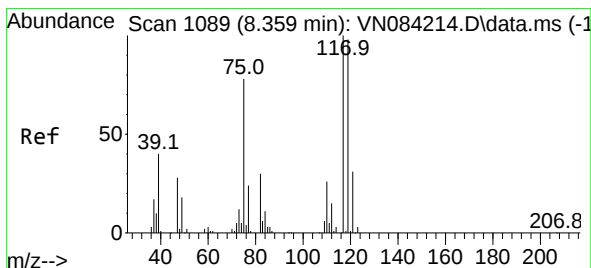
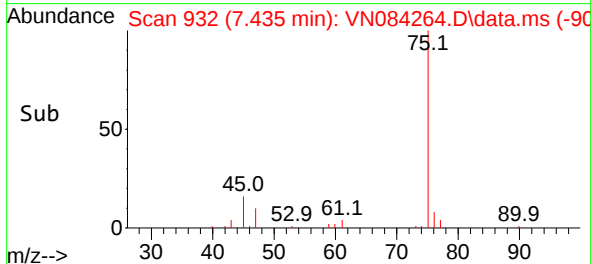
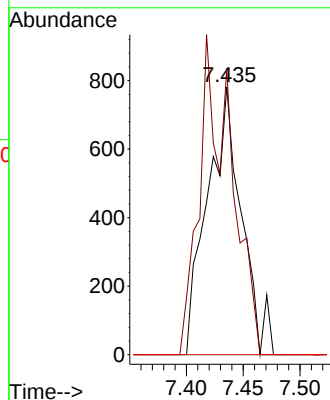
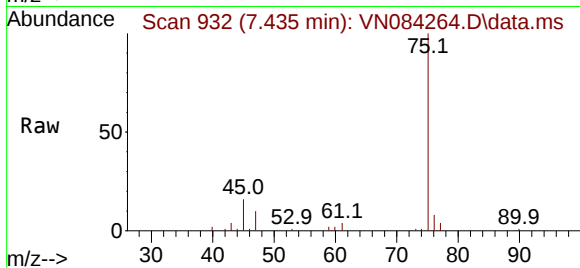
Acq: 02 Oct 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 1630
Ion Ratio	Lower Upper
43 100	
61 65.0	10.7 16.1#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.175 ug/l

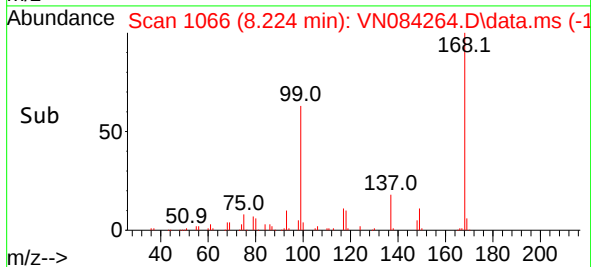
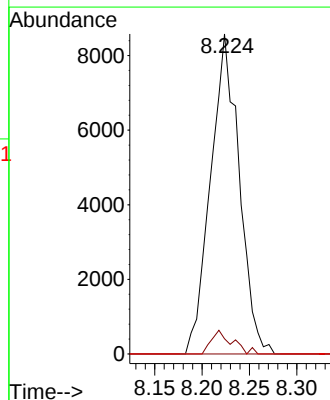
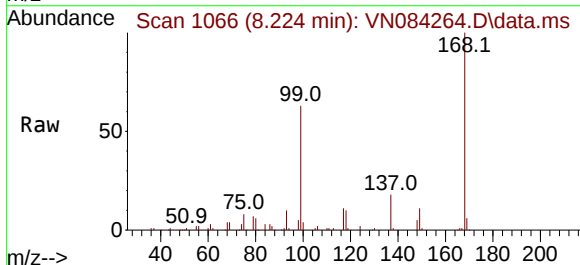
RT: 8.224 min Scan# 1066

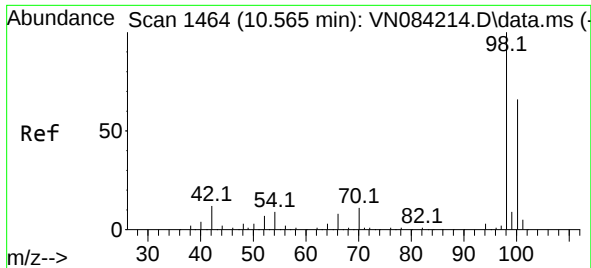
Delta R.T. -0.135 min

Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

Tgt Ion: 117	Resp: 18033
Ion Ratio	Lower Upper
117 100	
119 4.7	78.7 118.1#
121 0.0	24.4 36.6#

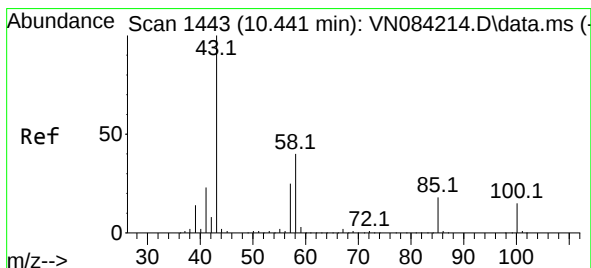
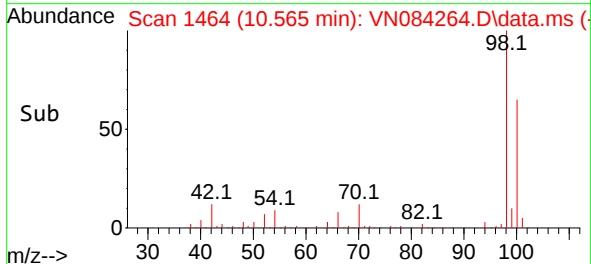
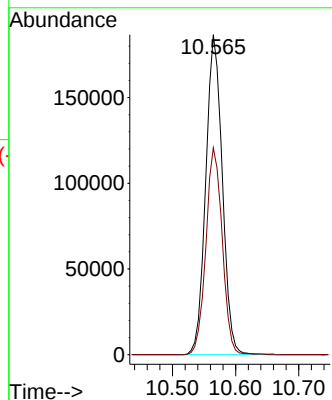
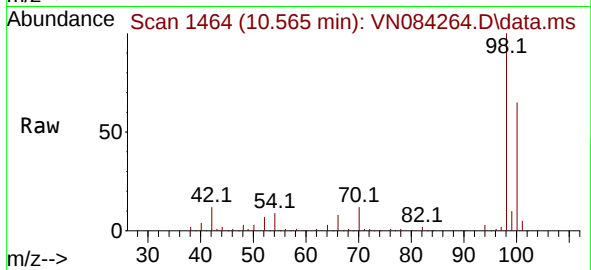




#50
Toluene-d8
Concen: 50.367 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

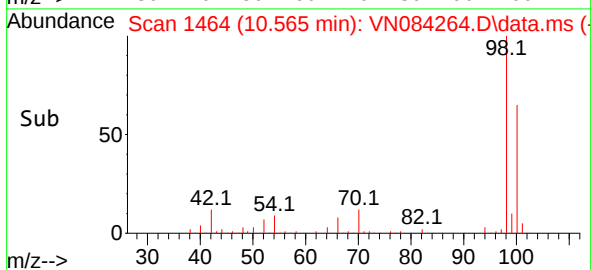
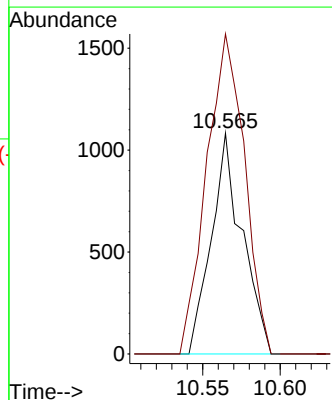
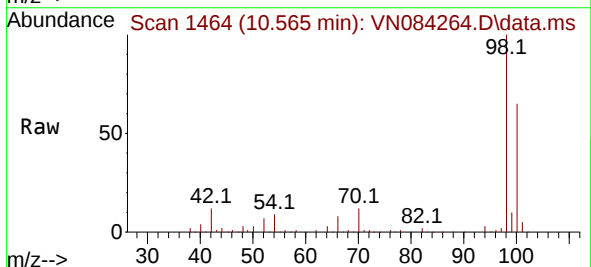
Instrument :
MSVOA_N
ClientSampleId :

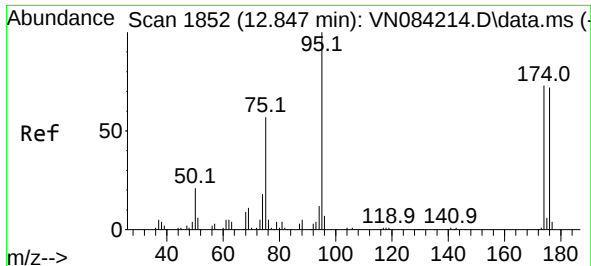
Tgt Ion: 98 Resp: 339620
Ion Ratio Lower Upper
98 100
100 63.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 178.7 31.6 47.4#

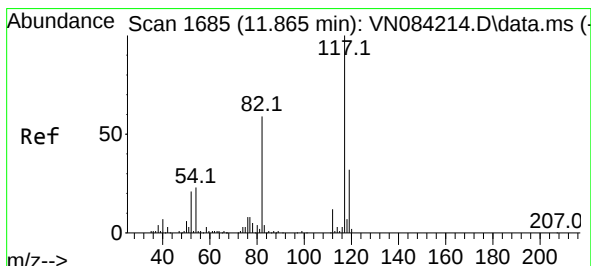
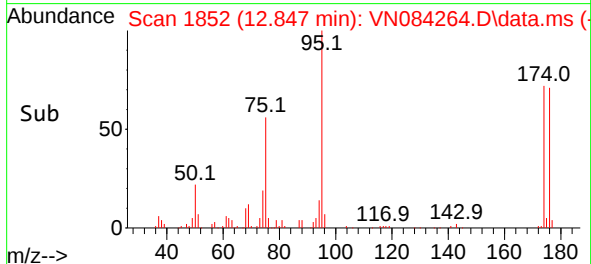
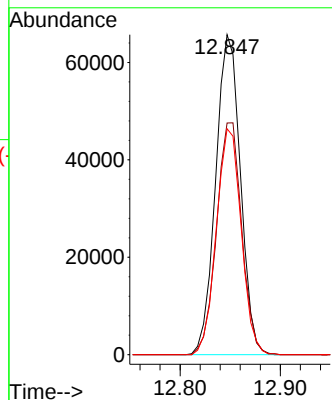
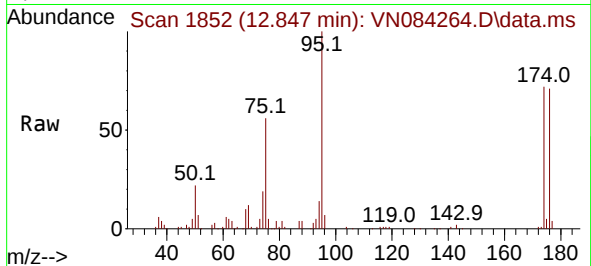




#62
4-Bromofluorobenzene
Concen: 45.815 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

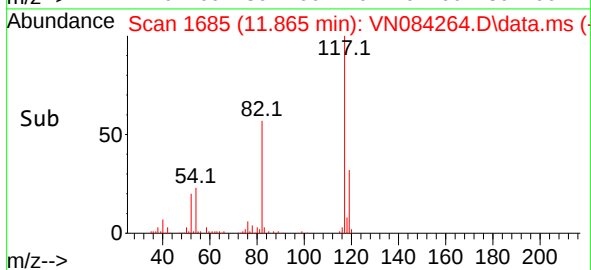
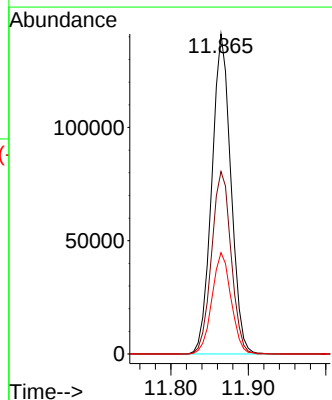
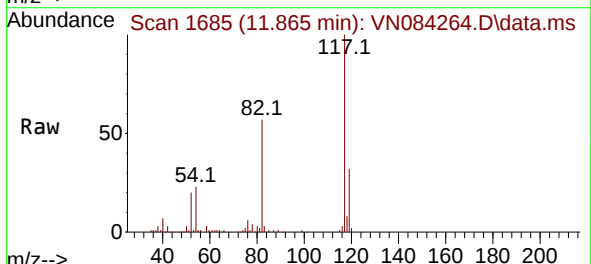
Instrument :
MSVOA_N
ClientSampleId :

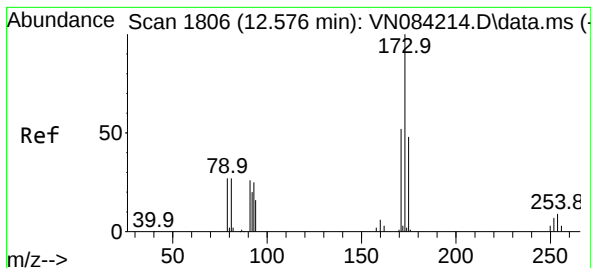
Tgt Ion: 95 Resp: 112545
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.2
176 71.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Tgt Ion: 117 Resp: 241393
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 31.7 25.4 38.0





#71

Bromoform

Concen: 0.636 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

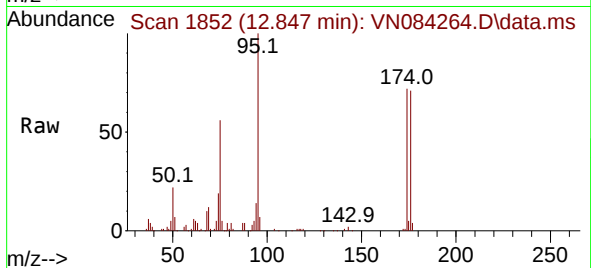
Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

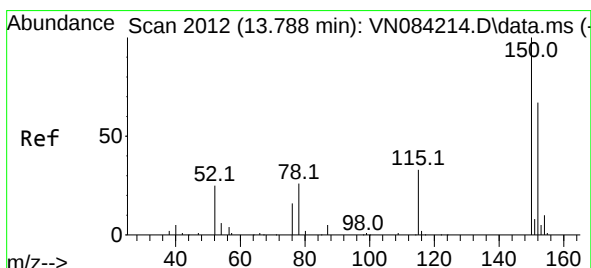
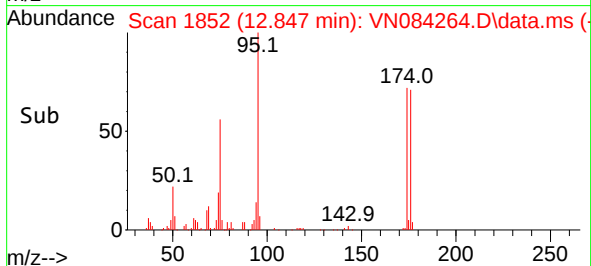
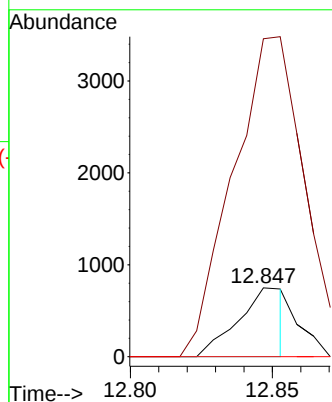
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	863
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

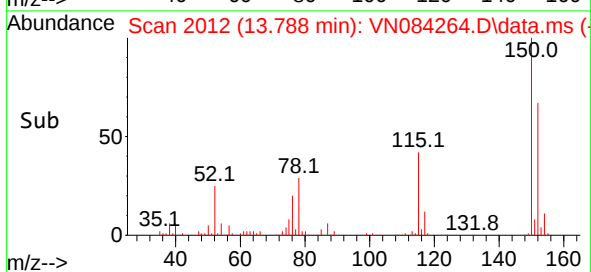
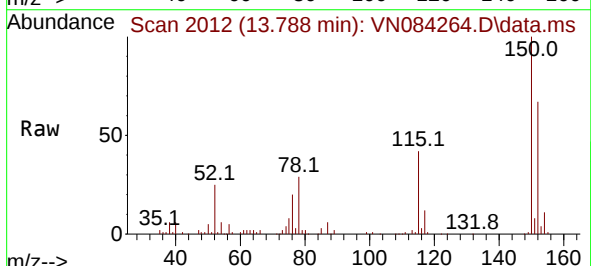
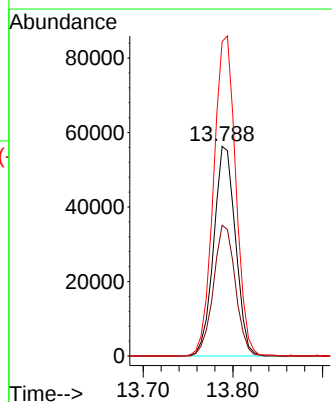
RT: 13.788 min Scan# 2012

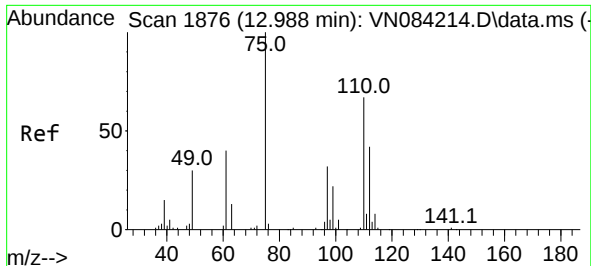
Delta R.T. -0.000 min

Lab File: VN084264.D

Acq: 02 Oct 2024 14:57

Tgt Ion:	152	Resp:	94746
Ion Ratio	Lower	Upper	
152	100		
115	62.9	31.3	93.9
150	155.7	0.0	349.8

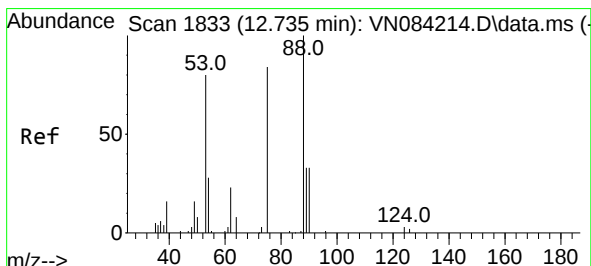
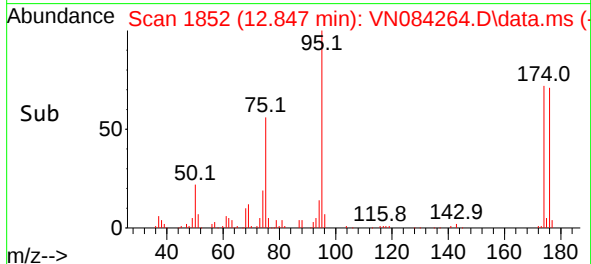
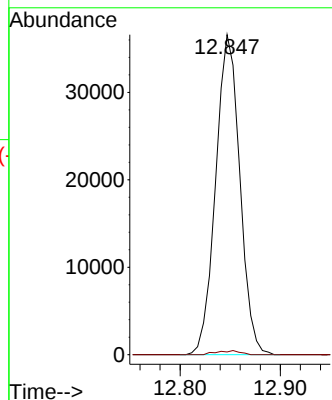
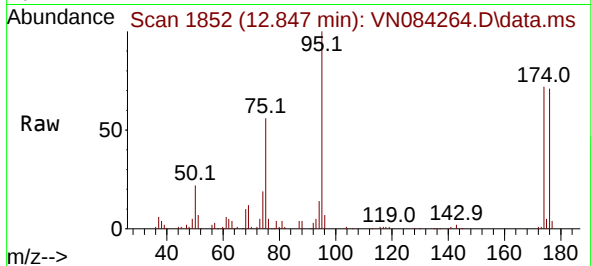




#76
1,2,3-Trichloropropane
Concen: 31.621 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61164
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084264.D
Acq: 02 Oct 2024 14:57

Tgt Ion: 75 Resp: 61164
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

