

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084265.D
 Acq On : 02 Oct 2024 15:21
 Operator : JC\MD
 Sample : P4226-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20240924

Quant Time: Oct 03 02:00:19 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)

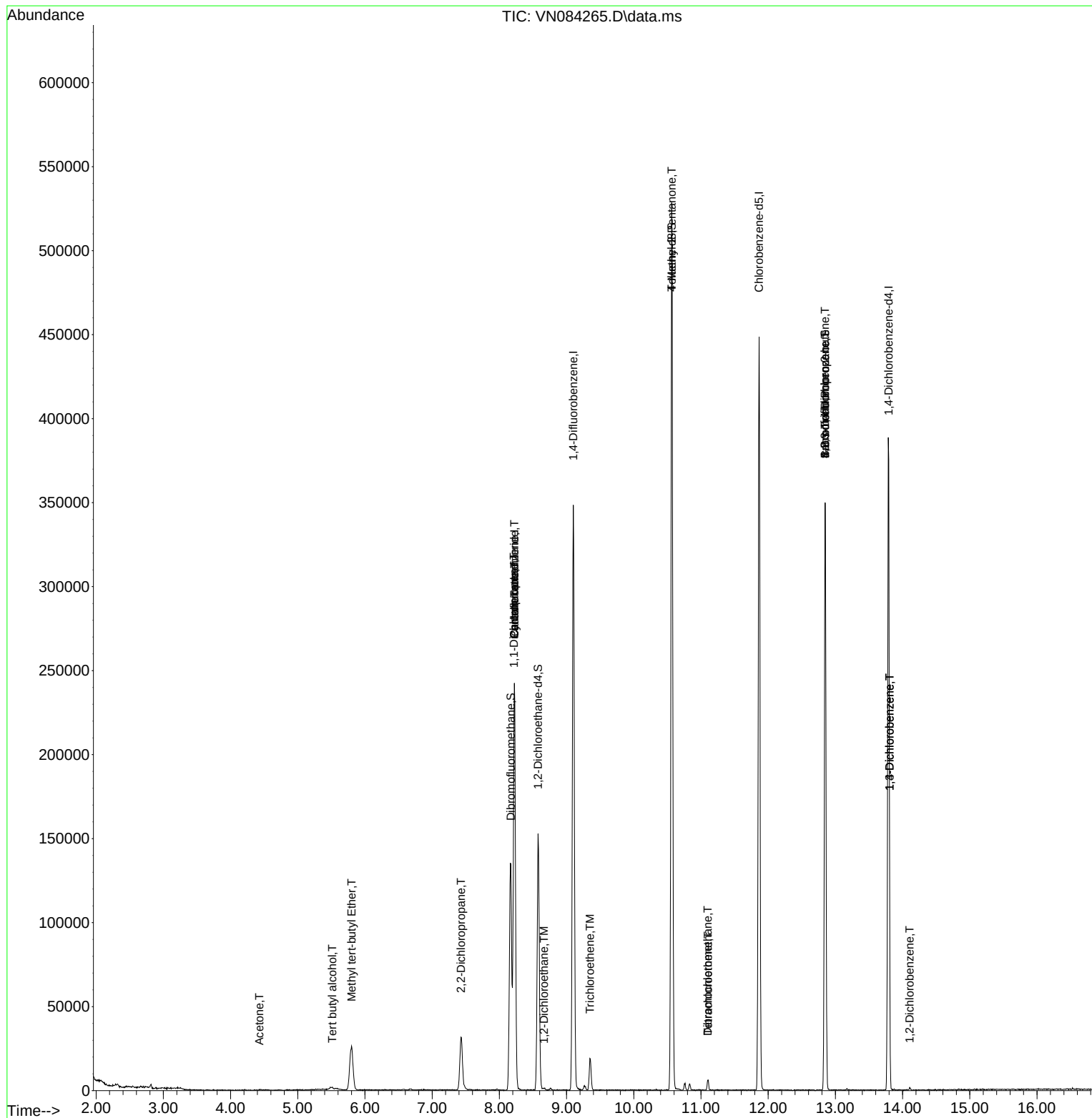
Internal Standards						
1) Pentafluorobenzene	8.224	168	170709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125886	49.736	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.480%
35) Dibromofluoromethane	8.171	113	99144	50.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	10.565	98	353913	49.354	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.847	95	119764	45.844	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	868	2.080	ug/l #	73
16) Acetone	4.430	43	363	0.334	ug/l #	44
19) Methyl tert-butyl Ether	5.800	73	41803	6.444	ug/l	96
26) 2,2-Dichloropropane	7.430	77	1849	0.531	ug/l #	54
31) Cyclohexane	8.224	56	4099	1.093	ug/l #	14
36) 1,1-Dichloropropene	8.218	75	15420	5.447	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19564	6.300	ug/l #	15
42) 1,2-Dichloroethane	8.665	62	1145	0.383	ug/l #	75
44) Trichloroethene	9.347	130	6765	3.284	ug/l	98
51) 4-Methyl-2-Pentanone	10.565	43	1562	0.565	ug/l #	1
60) Dibromochloromethane	11.100	129	1393	0.611	ug/l #	11
64) Tetrachloroethene	11.106	164	1344	0.766	ug/l	95
71) Bromoform	12.847	173	716	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65041	31.466	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65041	75.438	ug/l #	11
87) 1,3-Dichlorobenzene	13.806	146	876	0.251	ug/l #	62
88) 1,4-Dichlorobenzene	13.806	146	876	0.248	ug/l #	63
91) 1,2-Dichlorobenzene	14.106	146	745	0.217	ug/l	88

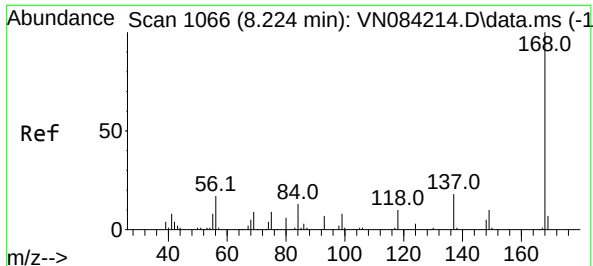
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT149S1-20240924

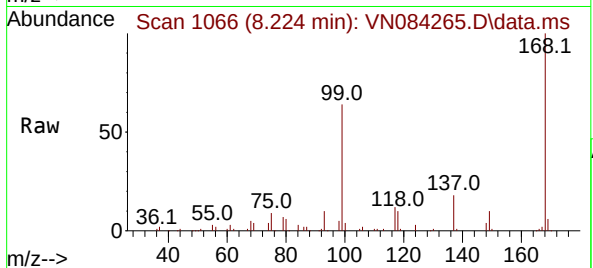
Quant Time: Oct 03 02:00:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
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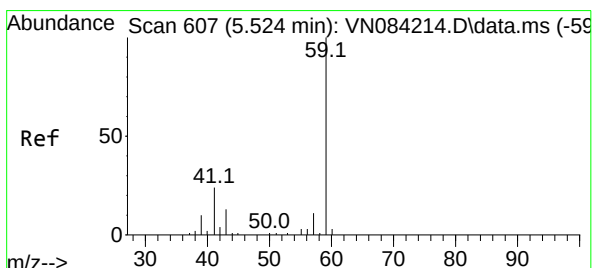
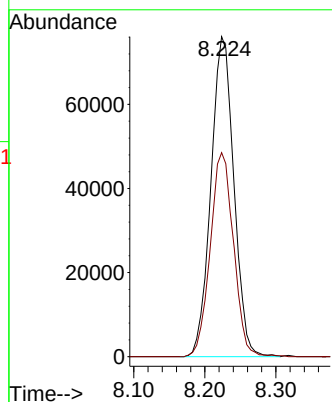
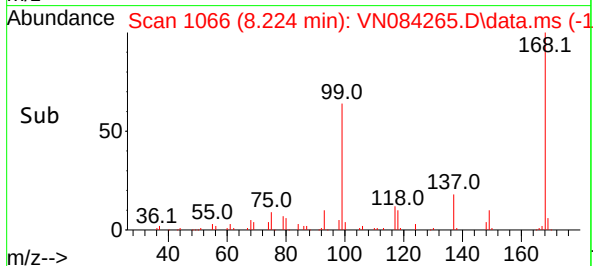


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

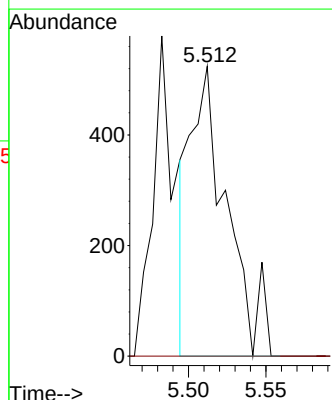
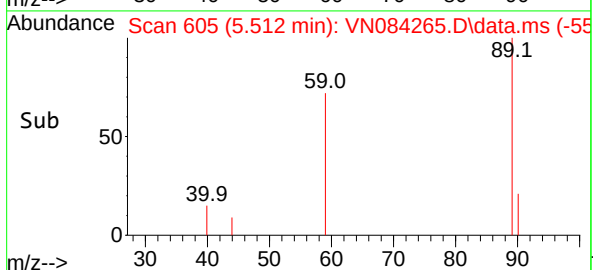
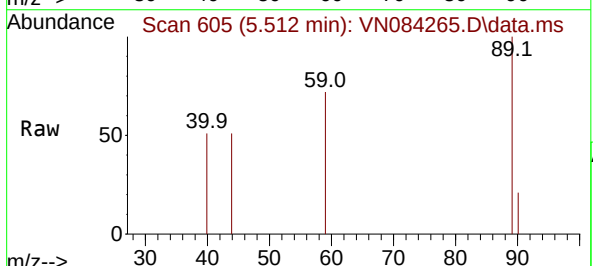


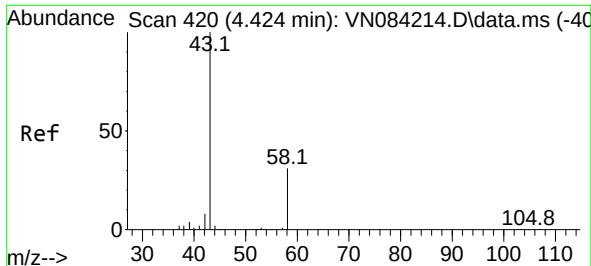
Tgt Ion:168 Resp: 170709
Ion Ratio Lower Upper
168 100
99 63.7 54.2 81.2



#11
Tert butyl alcohol
Concen: 2.080 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

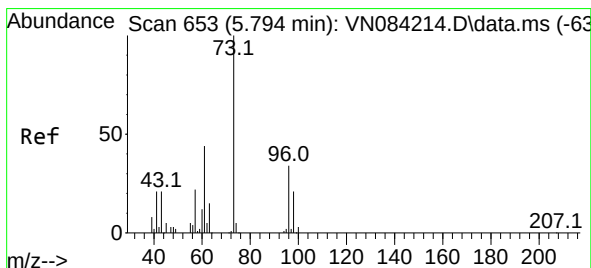
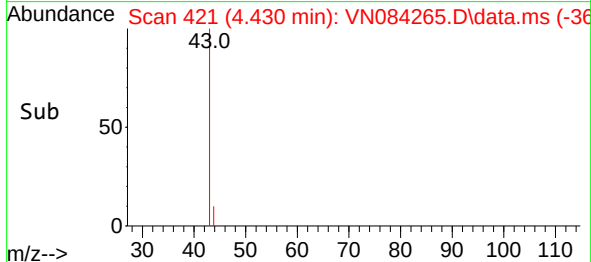
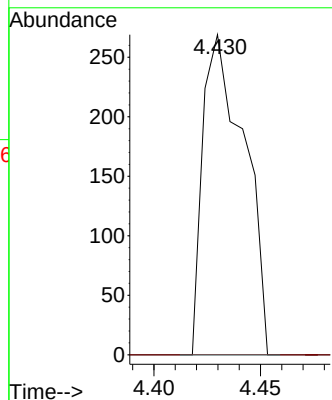
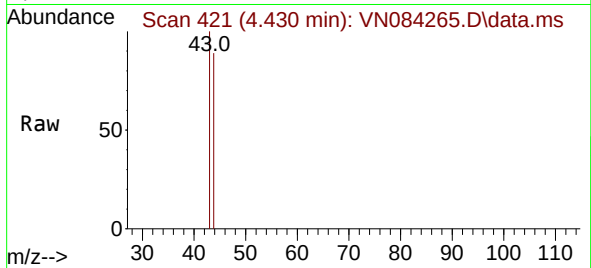




#16
Acetone
Concen: 0.334 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

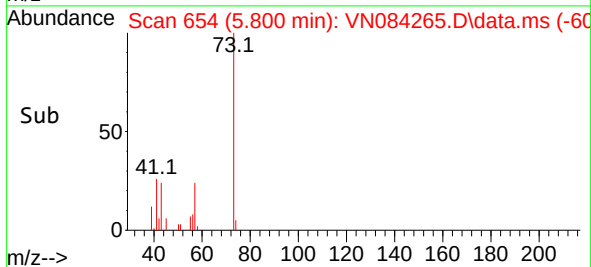
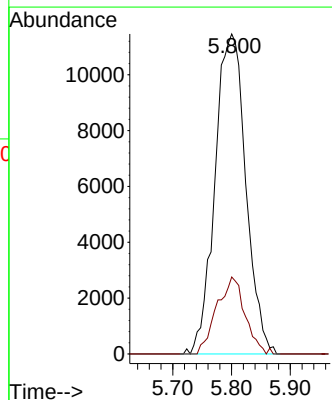
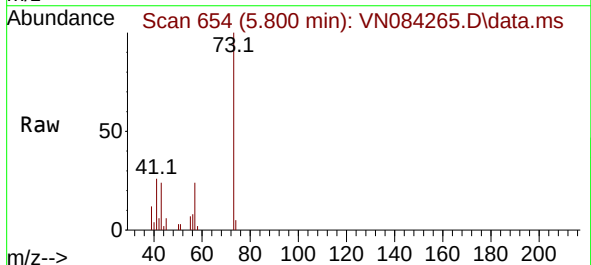
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

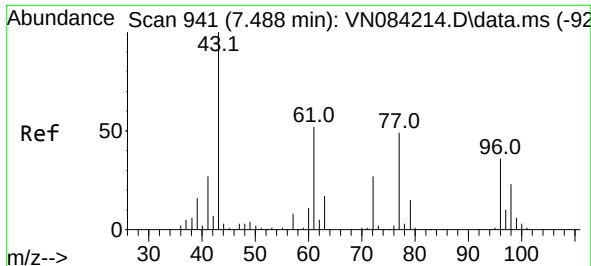
Tgt Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#19
Methyl tert-butyl Ether
Concen: 6.444 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 73 Resp: 41803
Ion Ratio Lower Upper
73 100
57 24.0 17.7 26.5

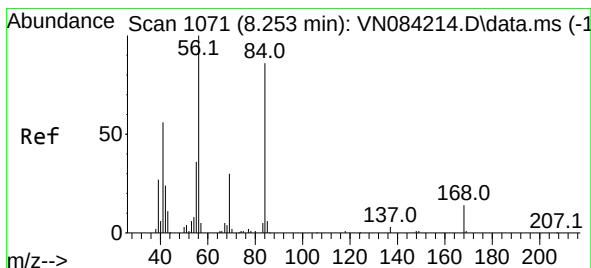
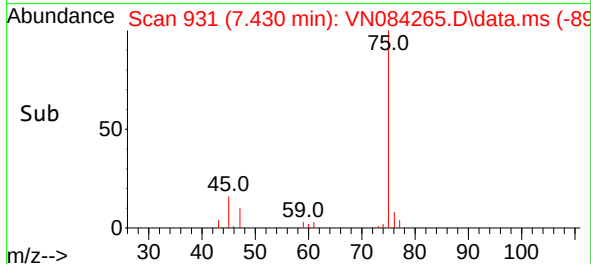
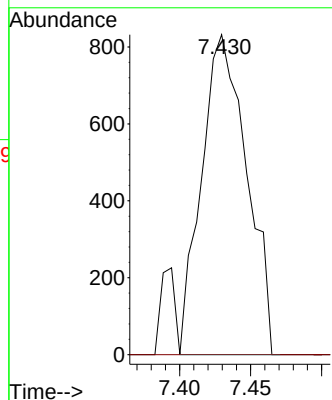
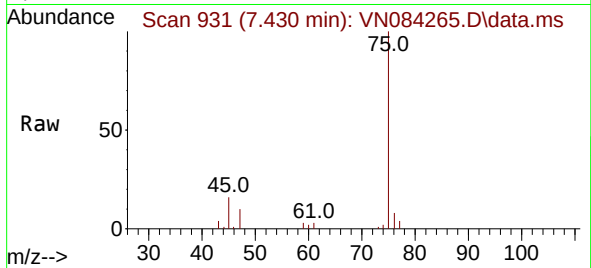




#26
2,2-Dichloropropane
Concen: 0.531 ug/l
RT: 7.430 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

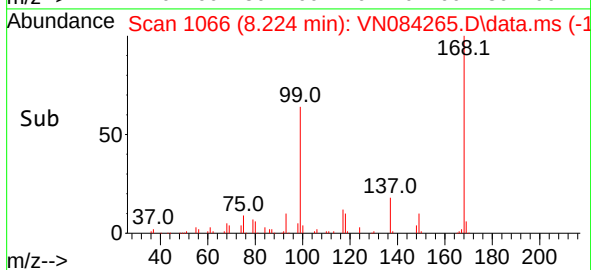
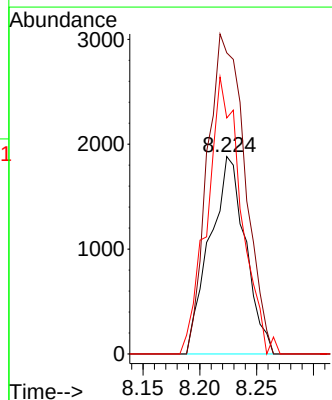
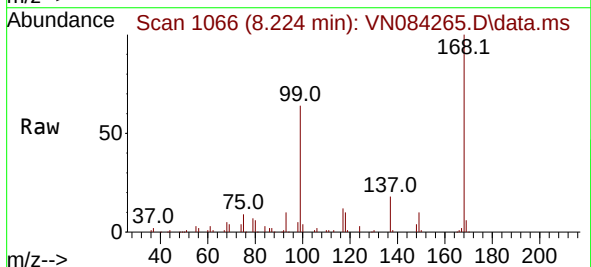
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

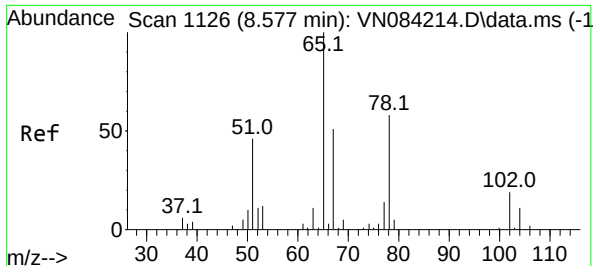
Tgt Ion: 77 Resp: 1849
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 56 Resp: 4099
Ion Ratio Lower Upper
56 100
69 152.5 23.8 35.6#
84 119.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.736 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084265.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

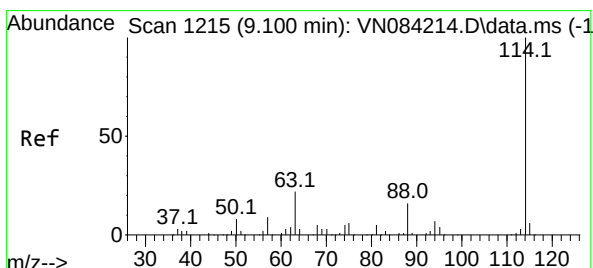
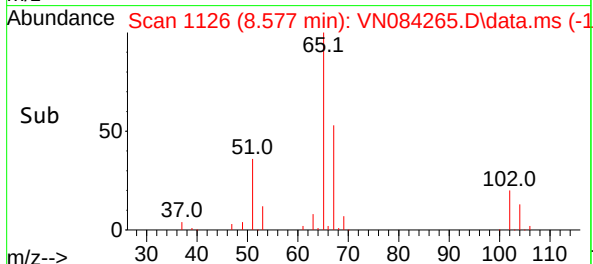
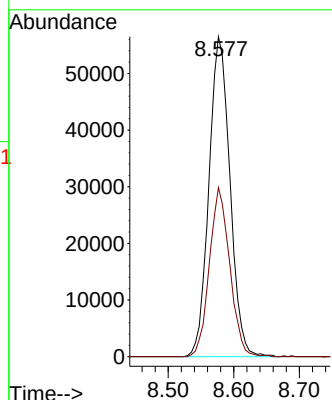
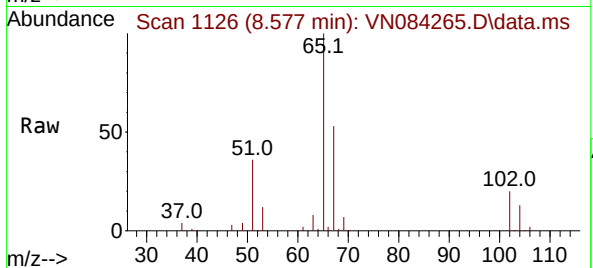
TT149S1-20240924

Tgt Ion: 65 Resp: 125886

Ion Ratio Lower Upper

65 100

67 51.2 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: VN084265.D

Acq: 02 Oct 2024 15:21

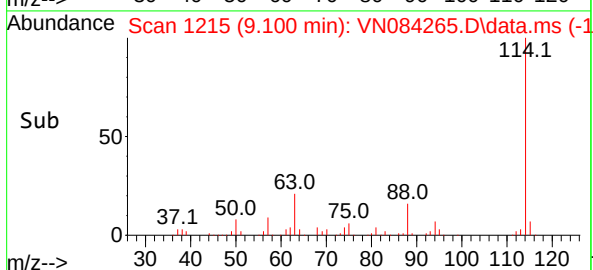
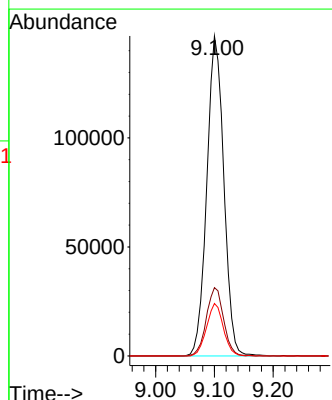
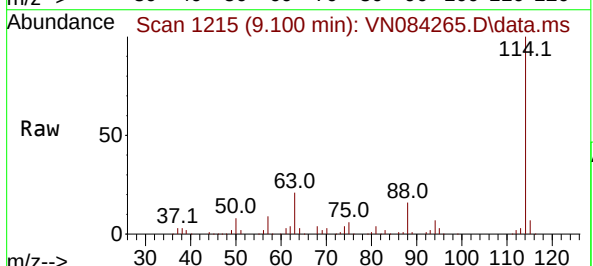
Tgt Ion: 114 Resp: 295647

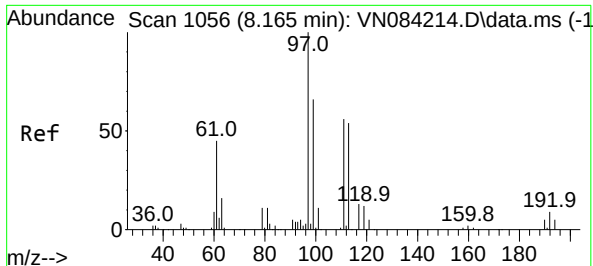
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

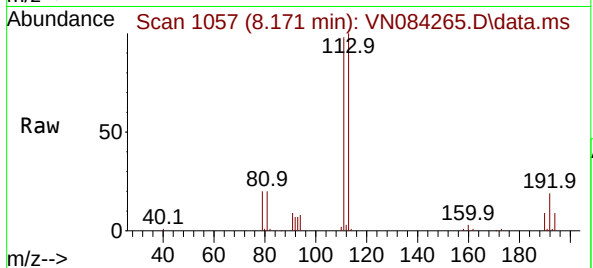
88 16.4 0.0 31.6



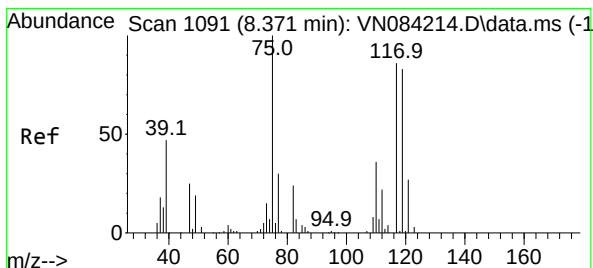
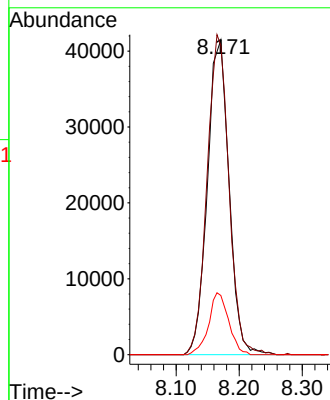
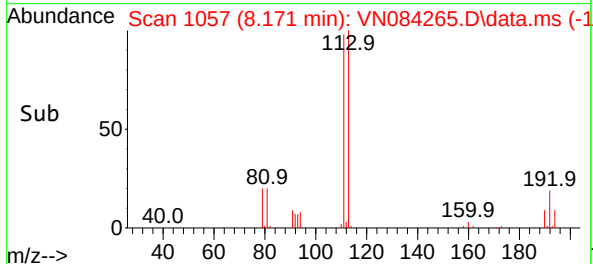


#35
Dibromofluoromethane
Concen: 50.867 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
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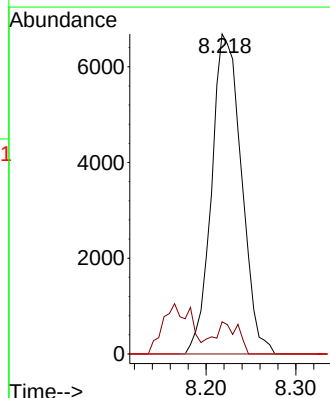
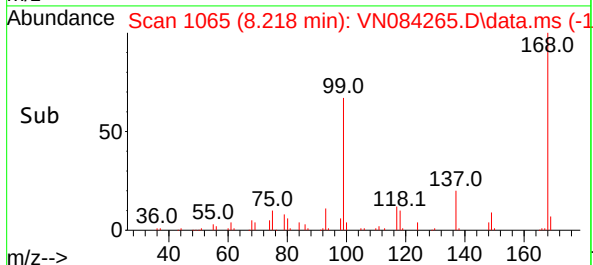
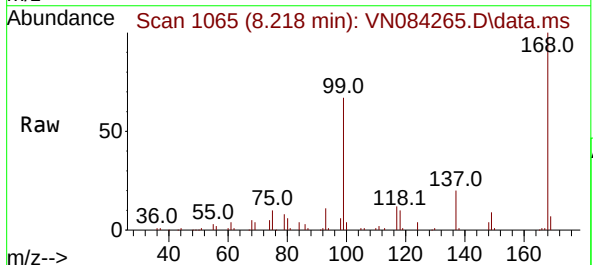


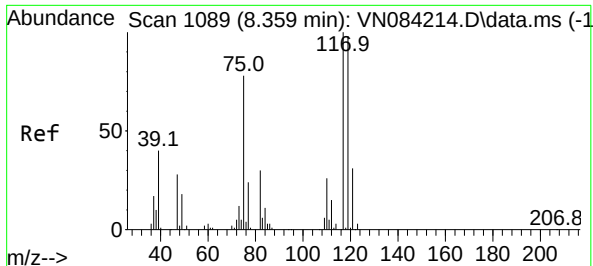
Tgt Ion:113 Resp: 99144
Ion Ratio Lower Upper
113 100
111 101.9 83.3 124.9
192 18.1 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.447 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

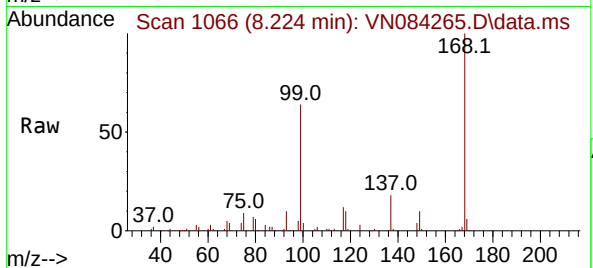
Tgt Ion: 75 Resp: 15420
Ion Ratio Lower Upper
75 100
110 7.5 16.9 50.7#
77 0.0 24.7 37.1#



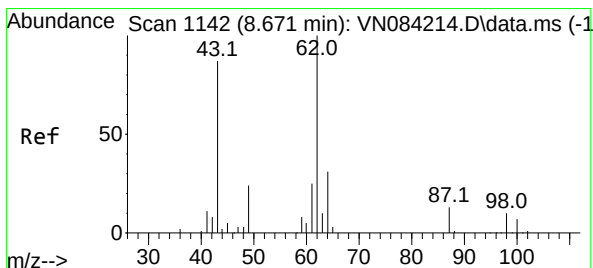
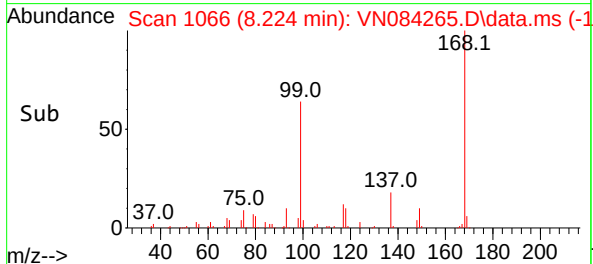
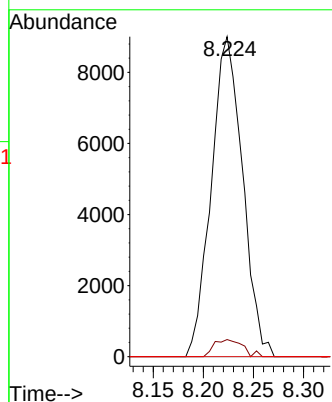


#38
Carbon Tetrachloride
Concen: 6.300 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Instrument :
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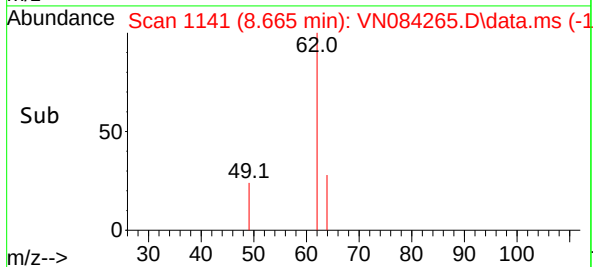
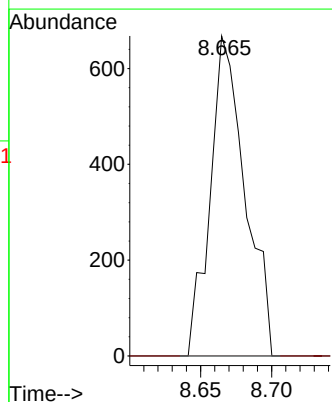
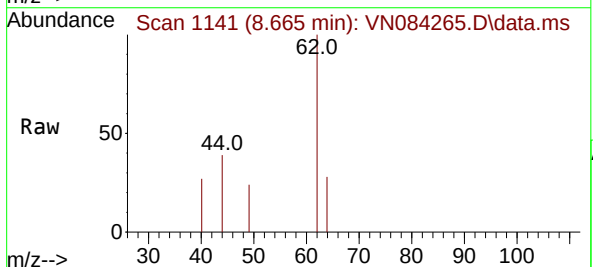


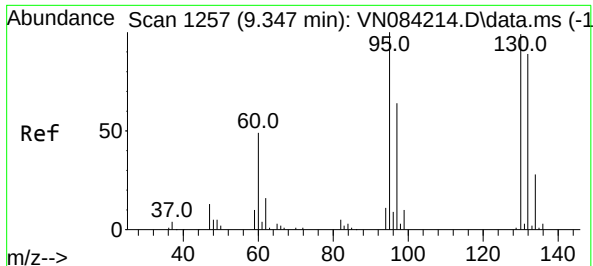
Tgt Ion:117 Resp: 19564
Ion Ratio Lower Upper
117 100
119 5.4 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.383 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 62 Resp: 1145
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

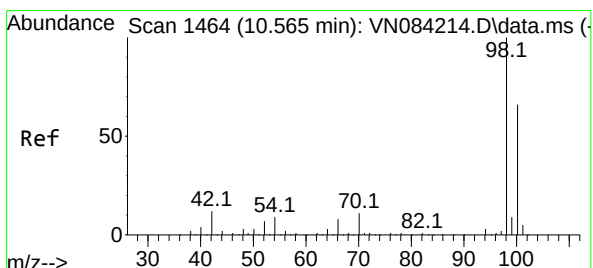
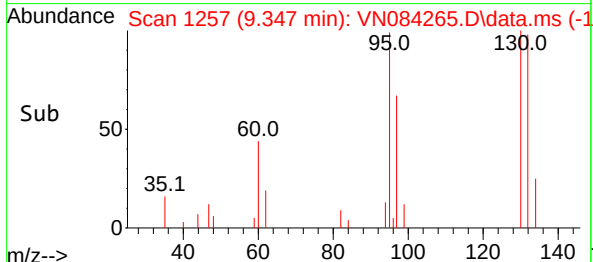
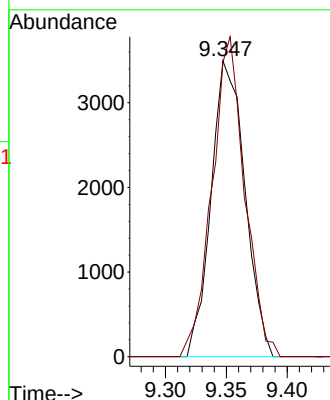
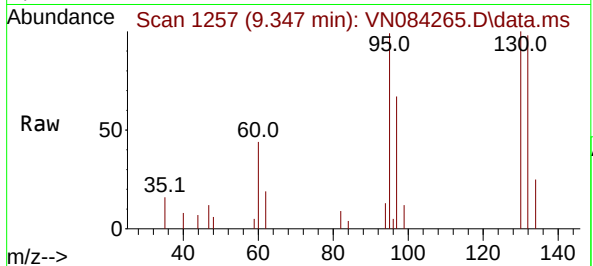




#44
Trichloroethene
Concen: 3.284 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

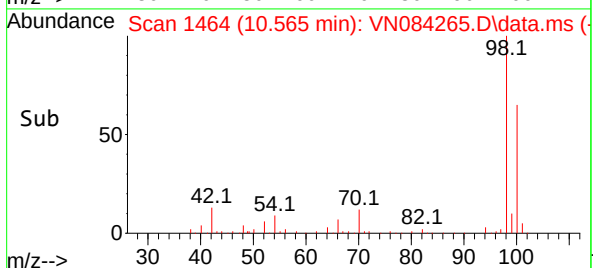
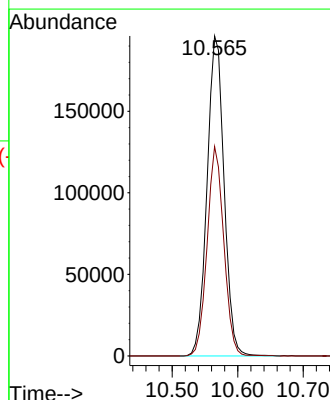
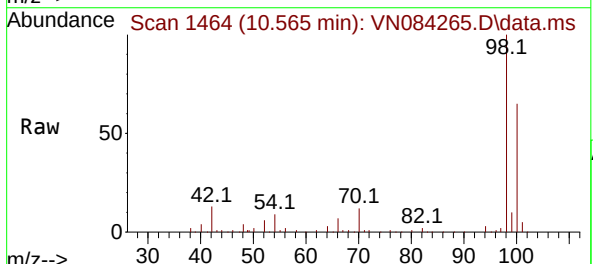
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TT149S1-20240924

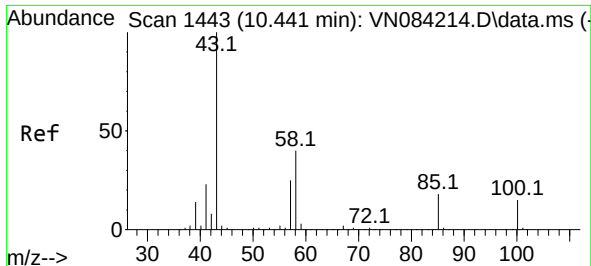
Tgt Ion:130 Resp: 6765
Ion Ratio Lower Upper
130 100
95 99.5 0.0 203.0



#50
Toluene-d8
Concen: 49.354 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 98 Resp: 353913
Ion Ratio Lower Upper
98 100
100 64.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.565 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN084265.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

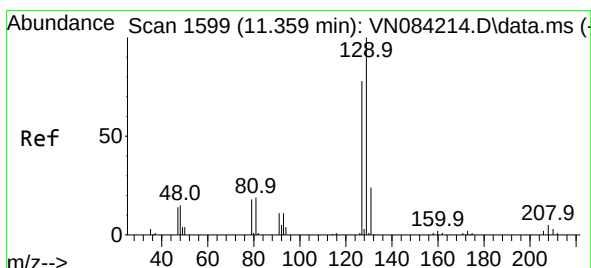
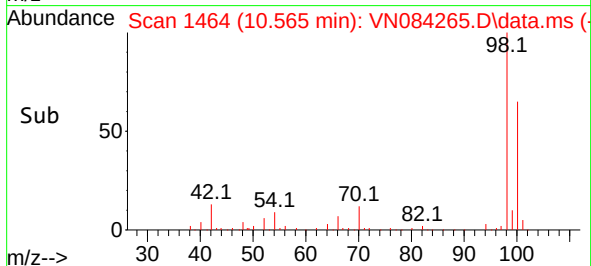
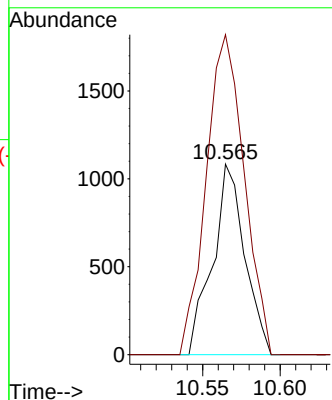
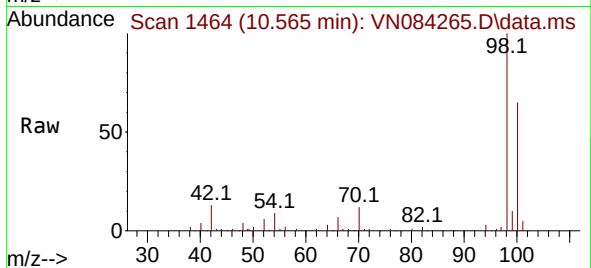
TT149S1-20240924

Tgt Ion: 43 Resp: 1562

Ion Ratio Lower Upper

43 100

58 198.7 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.611 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN084265.D

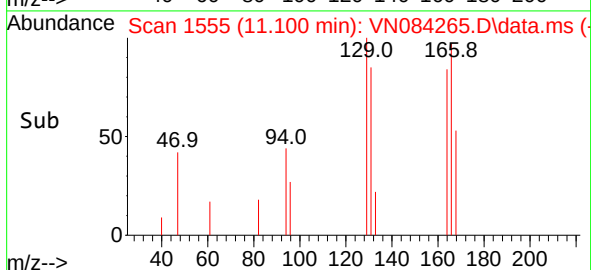
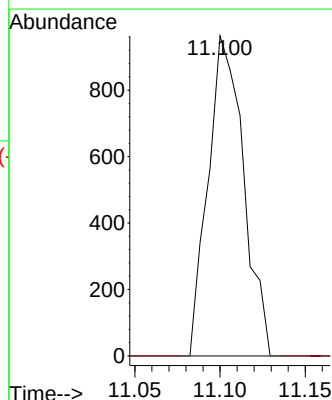
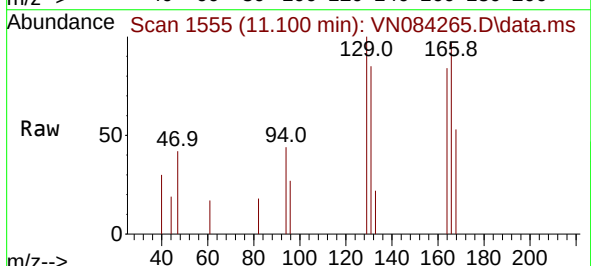
Acq: 02 Oct 2024 15:21

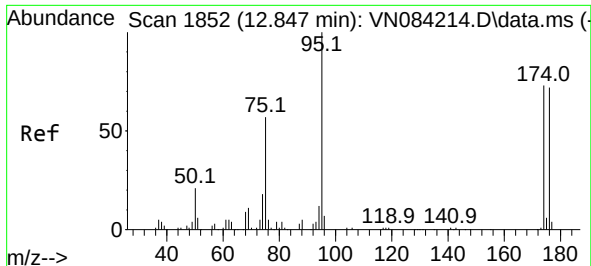
Tgt Ion: 129 Resp: 1393

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#

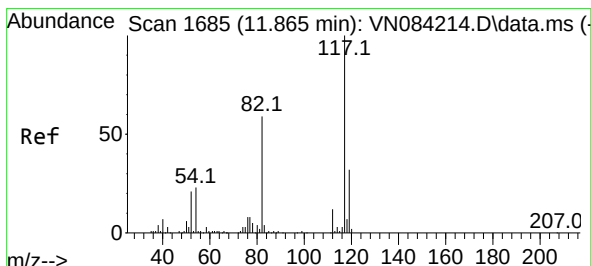
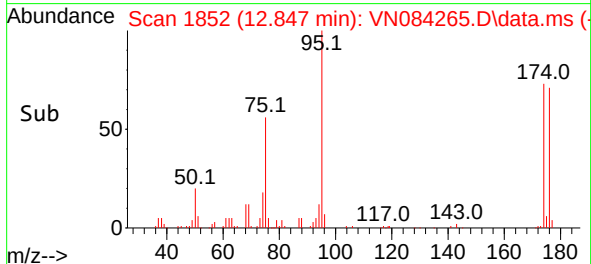
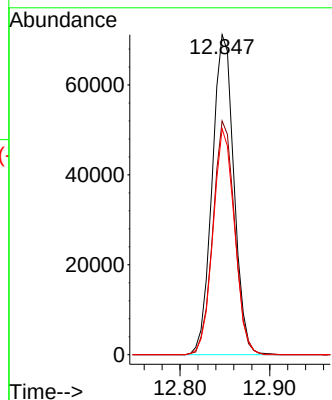
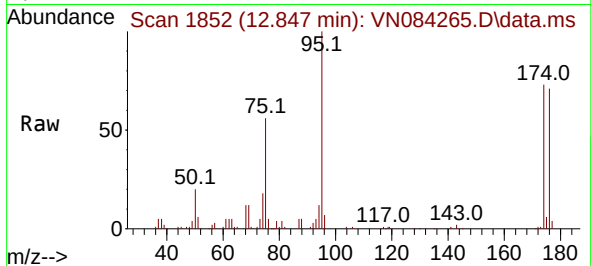




#62
4-Bromofluorobenzene
Concen: 45.844 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

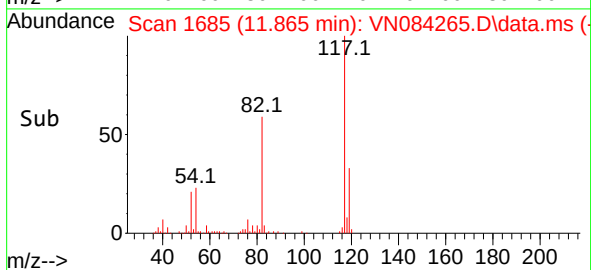
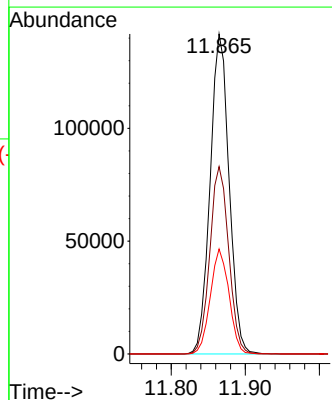
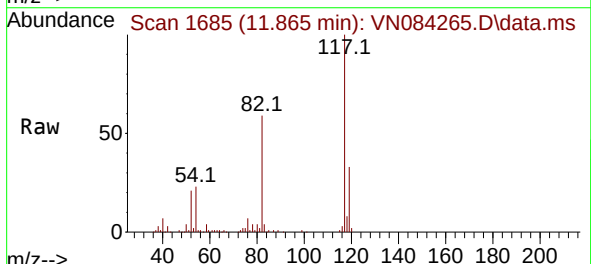
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

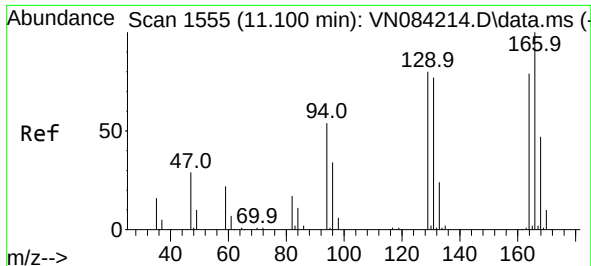
Tgt Ion: 95 Resp: 119764
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.2
176 70.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

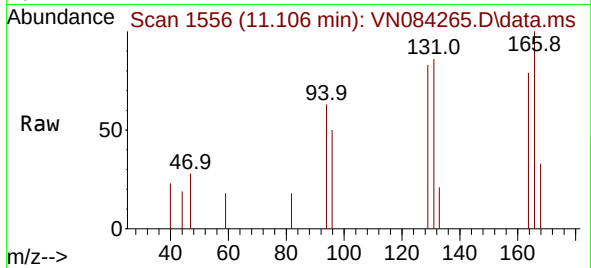
Tgt Ion: 117 Resp: 251958
Ion Ratio Lower Upper
117 100
82 58.5 47.2 70.8
119 32.8 25.4 38.0



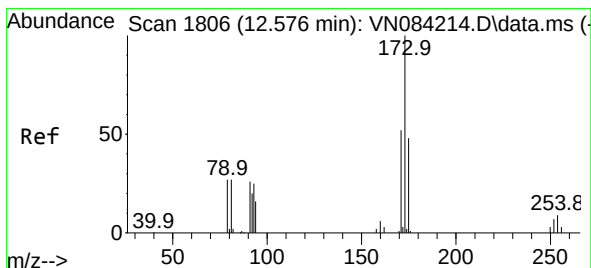
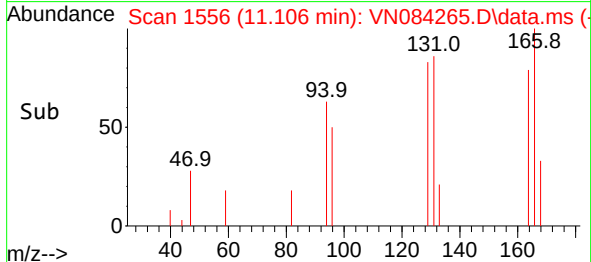
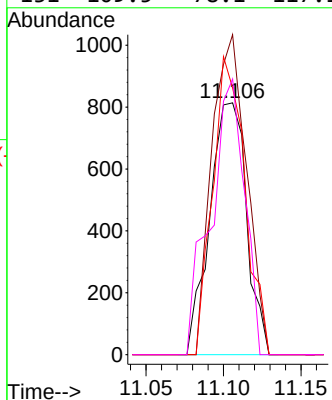


#64
Tetrachloroethene
Concen: 0.766 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

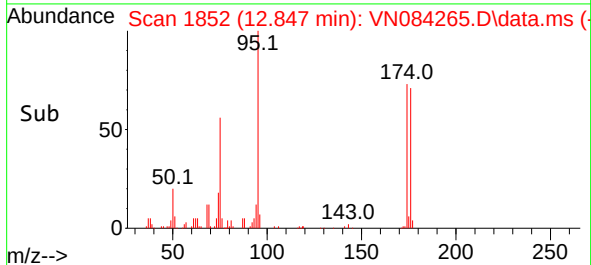
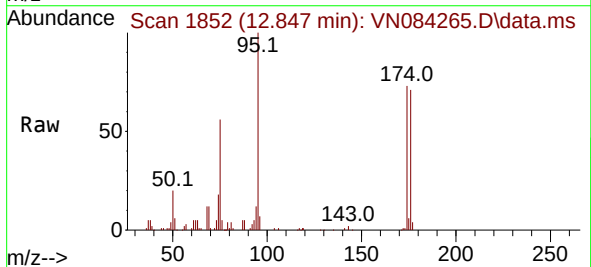
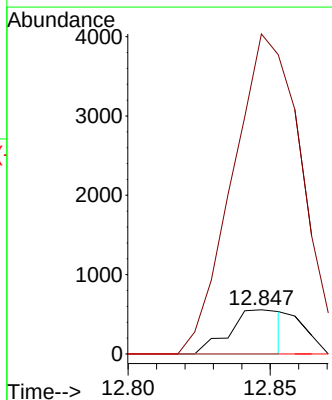


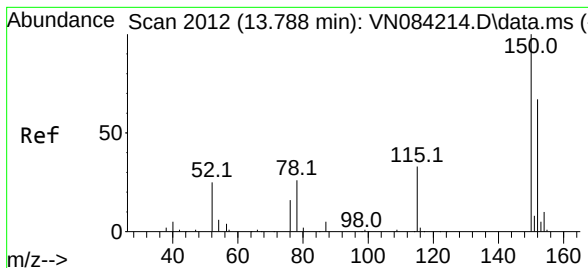
Tgt Ion:164 Resp: 1344
Ion Ratio Lower Upper
164 100
166 127.0 101.0 151.4
129 105.9 80.8 121.2
131 109.5 78.1 117.1



#71
Bromoform
Concen: 0.505 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion:173 Resp: 716
Ion Ratio Lower Upper
173 100
175 690.5 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# 20

Delta R.T. 0.006 min

Lab File: VN084265.D

Acq: 02 Oct 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20240924

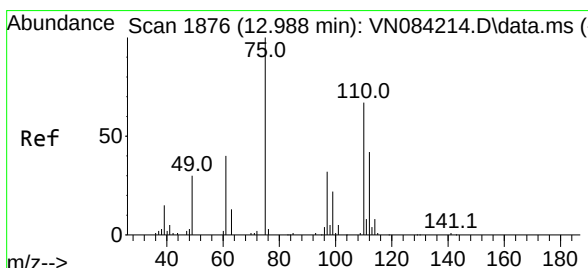
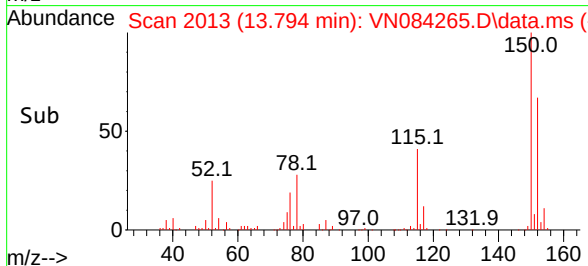
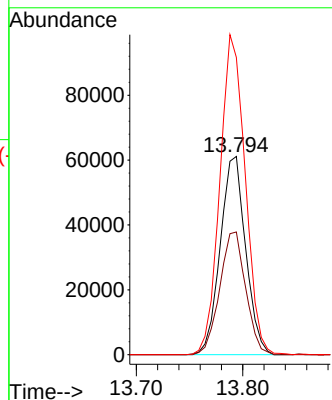
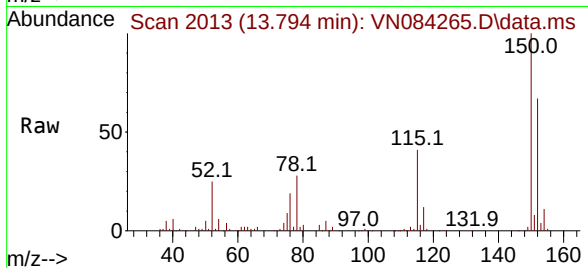
Tgt Ion:152 Resp: 101249

Ion Ratio Lower Upper

152 100

115 63.0 31.3 93.9

150 160.6 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 31.466 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084265.D

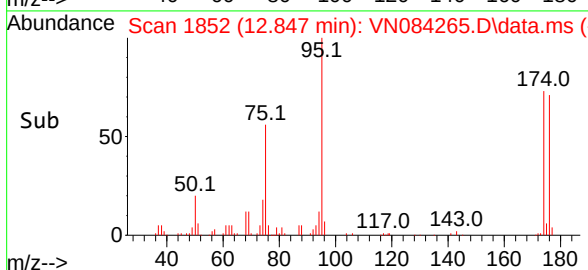
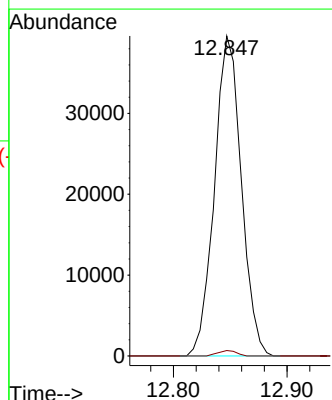
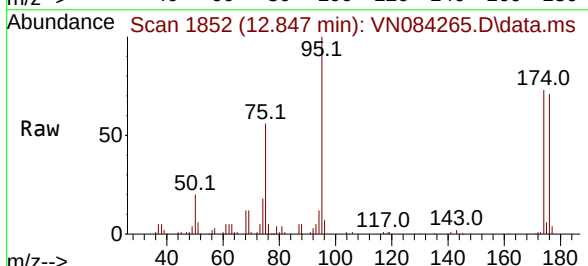
Acq: 02 Oct 2024 15:21

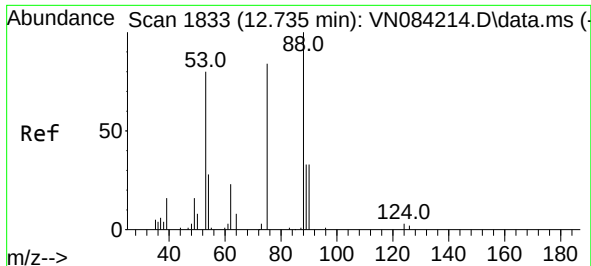
Tgt Ion: 75 Resp: 65041

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#

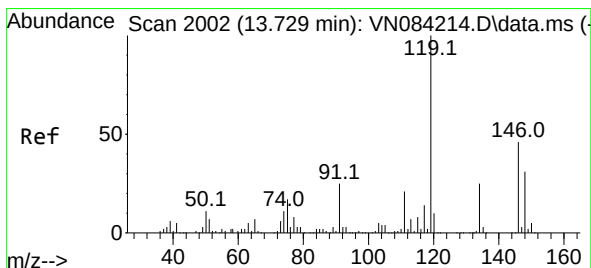
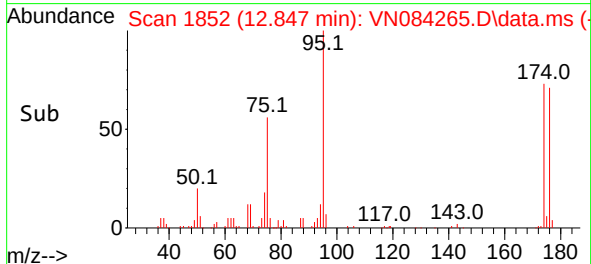
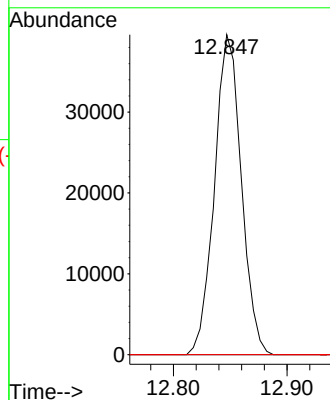
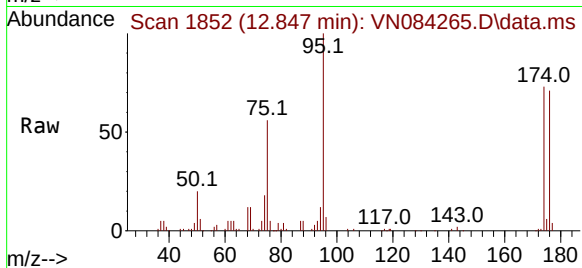




#81
trans-1,4-Dichloro-2-butene
Concen: 75.438 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

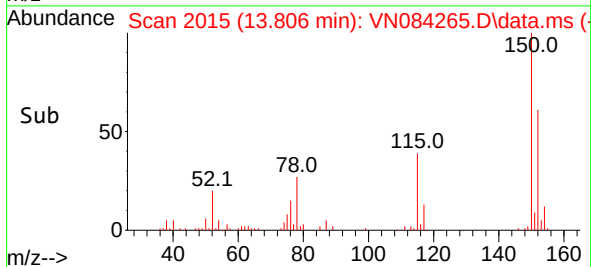
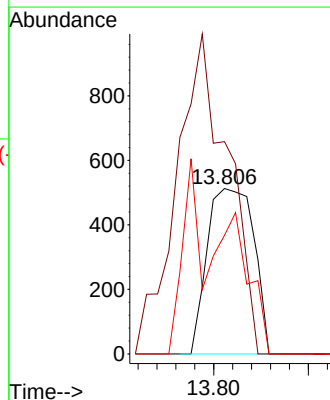
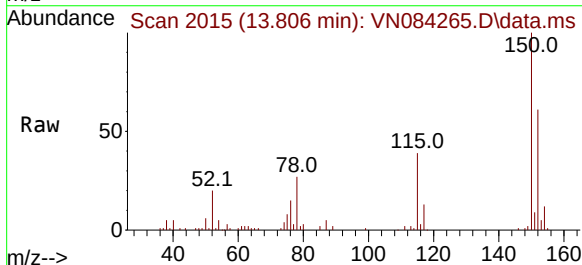
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

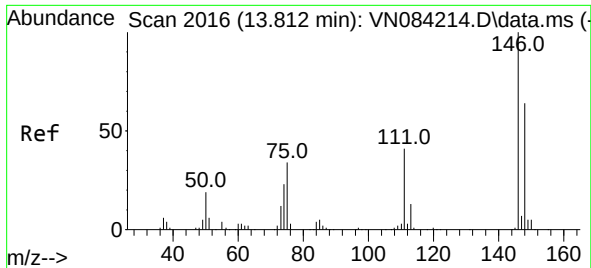
Tgt Ion: 75 Resp: 65041
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#87
1,3-Dichlorobenzene
Concen: 0.251 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.076 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion: 146 Resp: 876
Ion Ratio Lower Upper
146 100
111 0.0 21.8 65.3#
148 50.3 31.9 95.7

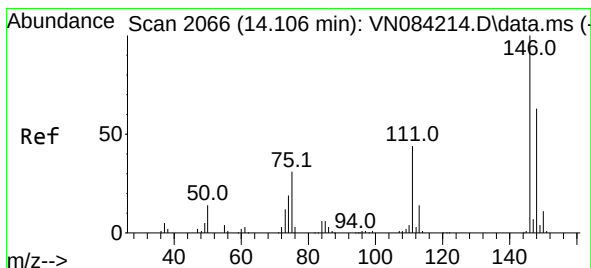
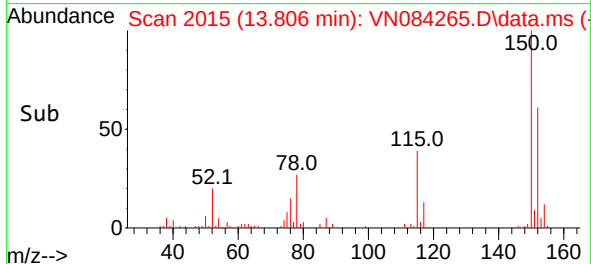
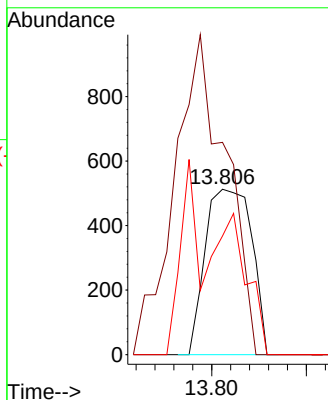
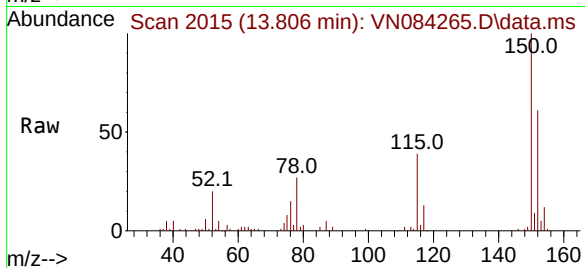




#88
1,4-Dichlorobenzene
Concen: 0.248 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20240924

Tgt Ion:146 Resp: 876
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 50.3 31.9 95.9



#91
1,2-Dichlorobenzene
Concen: 0.217 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084265.D
Acq: 02 Oct 2024 15:21

Tgt Ion:146 Resp: 745
Ion Ratio Lower Upper
146 100
111 41.1 22.0 66.0
148 50.9 32.1 96.3

