

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084294.D
 Acq On : 03 Oct 2024 13:28
 Operator : JC\MD
 Sample : P4226-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP10-20240925

Quant Time: Oct 04 01:33:59 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)

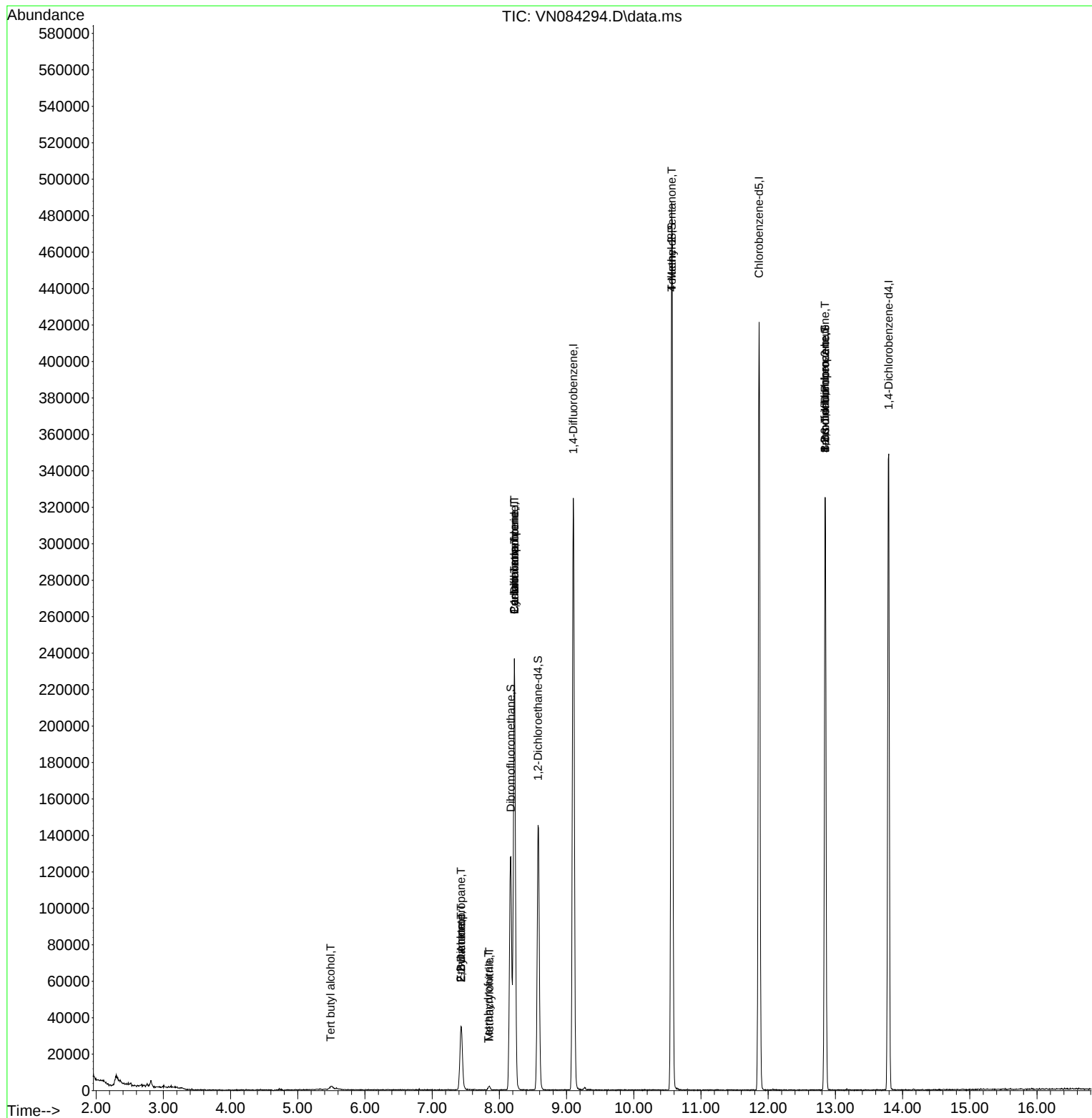
Internal Standards						
1) Pentafluorobenzene	8.224	168	161848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120038	50.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	8.171	113	94124	51.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	10.565	98	338515	50.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.847	95	112834	46.246	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.500%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.489	59	1884	4.761	ug/l #	73
25) 2-Butanone	7.430	43	1563	1.113	ug/l #	48
26) 2,2-Dichloropropane	7.430	77	2136	0.647	ug/l #	54
29) Tetrahydrofuran	7.835	42	1398	1.613	ug/l #	92
31) Cyclohexane	8.224	56	3824	1.076	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14655	5.542	ug/l #	51
37) Ethyl Acetate	7.430	43	1563	0.576	ug/l #	1
38) Carbon Tetrachloride	8.224	117	17440	6.013	ug/l #	16
41) Methacrylonitrile	7.853	41	938	0.637	ug/l #	47
51) 4-Methyl-2-Pentanone	10.565	43	1554	0.602	ug/l #	1
71) Bromoform	12.847	173	776	0.574	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59700	30.064	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59700	72.076	ug/l #	11

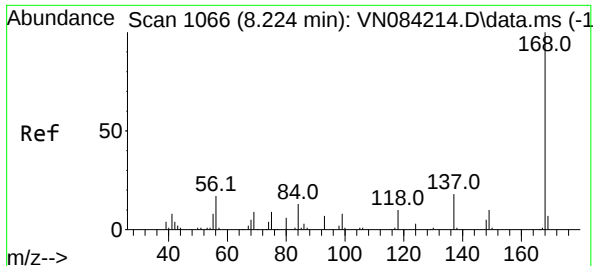
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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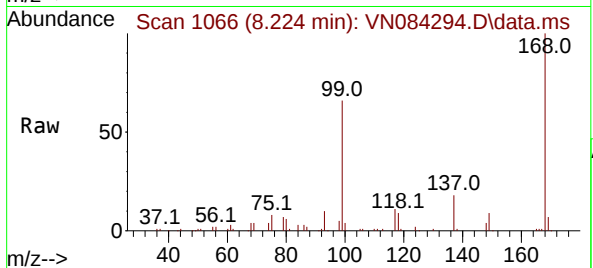
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



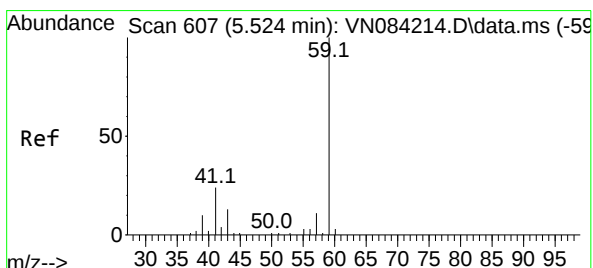
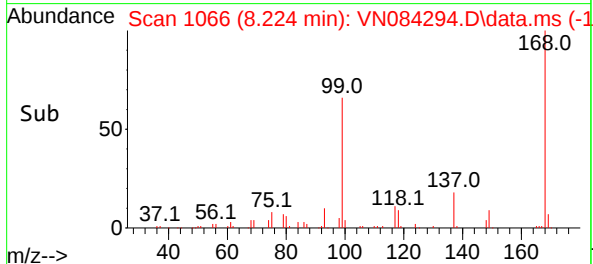
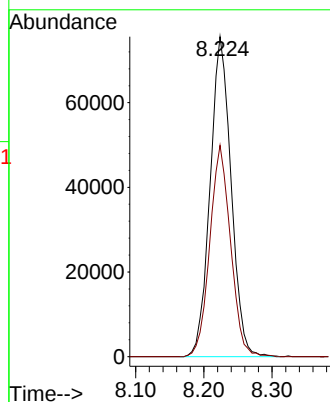


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
DUP10-20240925

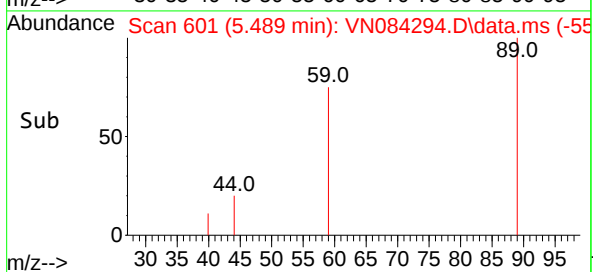
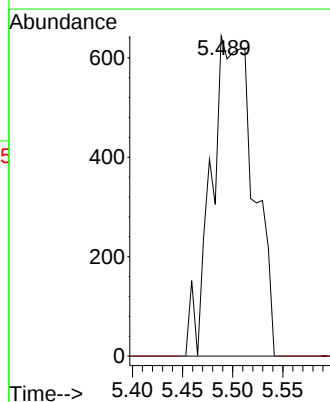
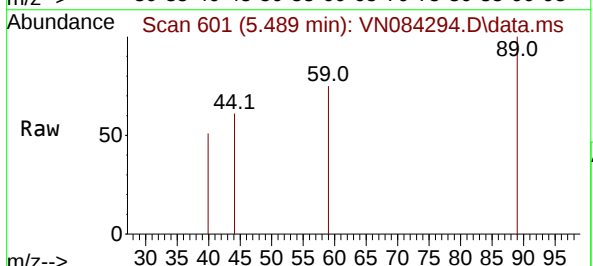


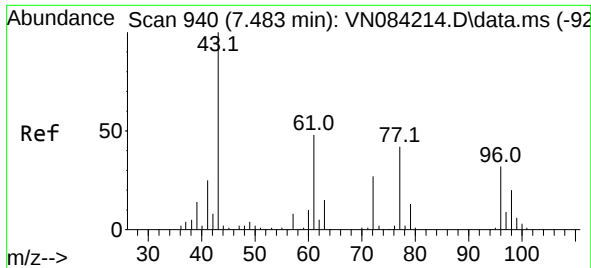
Tgt Ion:168 Resp: 161848
Ion Ratio Lower Upper
168 100
99 66.0 54.2 81.2



#11
Tert butyl alcohol
Concen: 4.761 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

Tgt Ion: 59 Resp: 1884
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

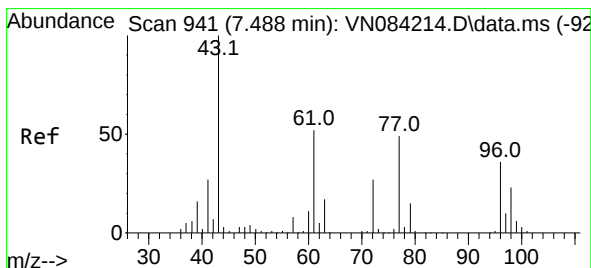
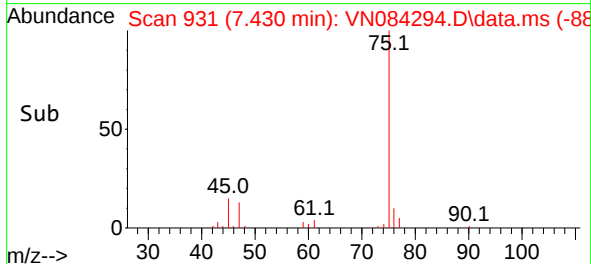
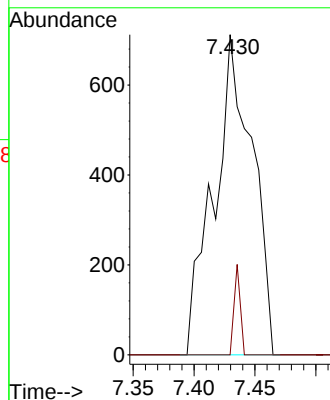
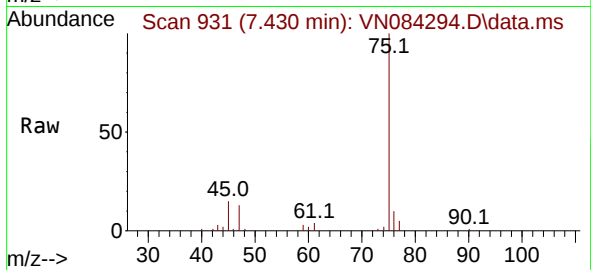




#25
2-Butanone
Concen: 1.113 ug/l
RT: 7.430 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

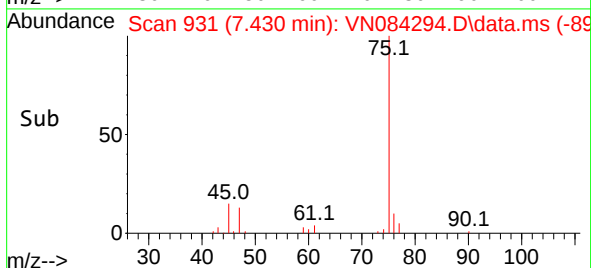
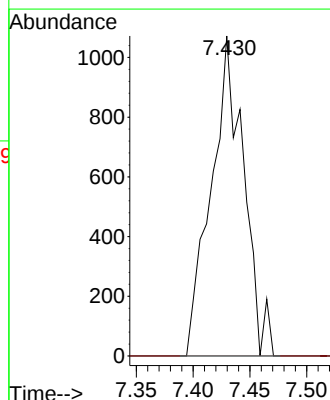
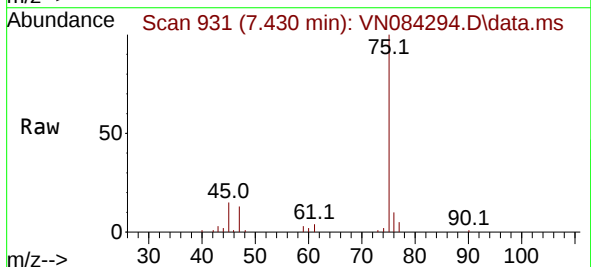
Instrument :
MSVOA_N
ClientSampleId :
DUP10-20240925

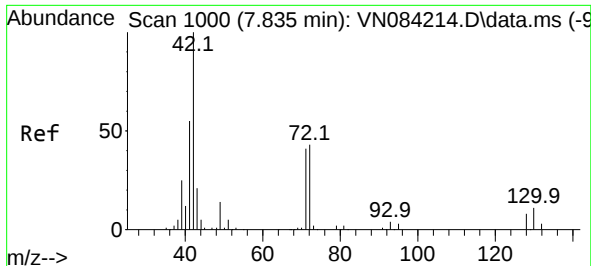
Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#26
2,2-Dichloropropane
Concen: 0.647 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.059 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

Tgt Ion: 77 Resp: 2136
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#29

Tetrahydrofuran

Concen: 1.613 ug/l

RT: 7.835 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

DUP10-20240925

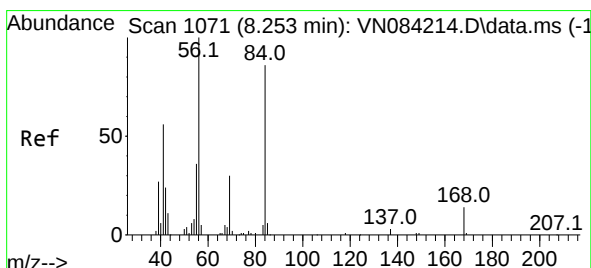
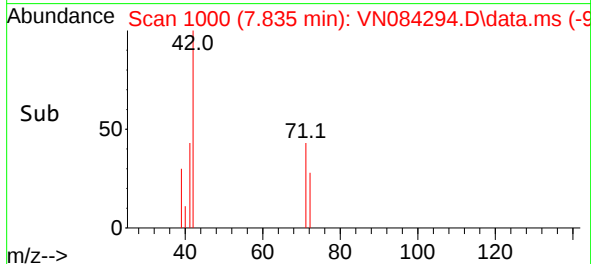
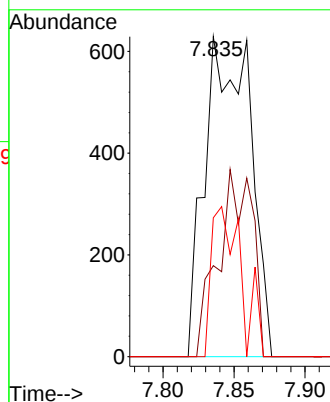
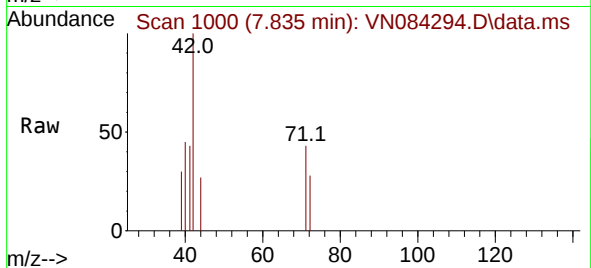
Tgt Ion: 42 Resp: 1398

Ion Ratio Lower Upper

42 100

72 44.1 34.6 51.8

71 30.7 32.2 48.4#



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

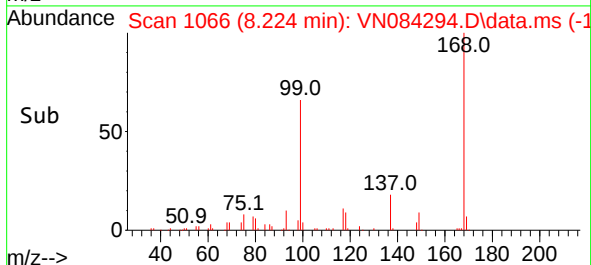
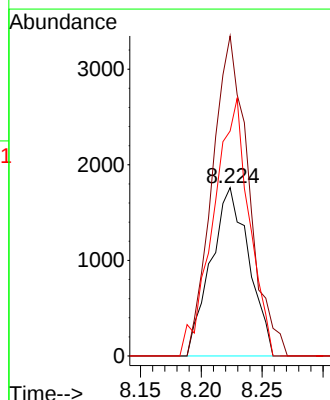
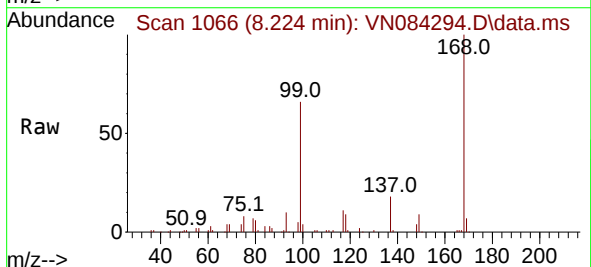
Tgt Ion: 56 Resp: 3824

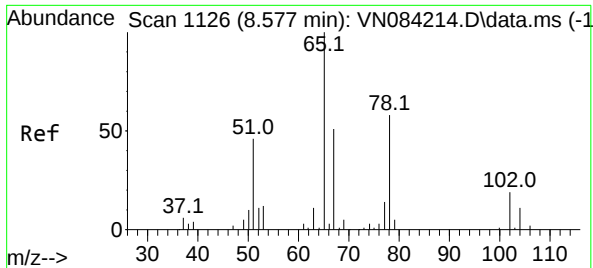
Ion Ratio Lower Upper

56 100

69 190.0 23.8 35.6#

84 133.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.022 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

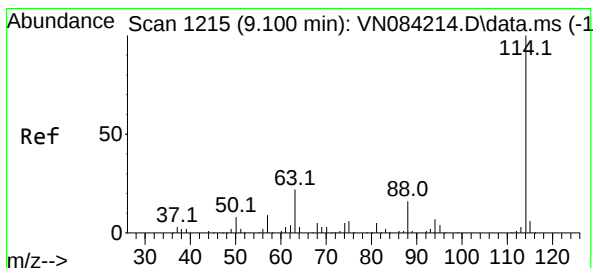
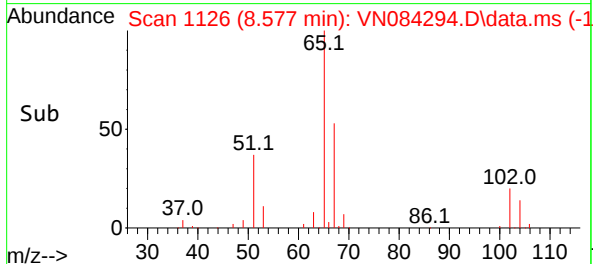
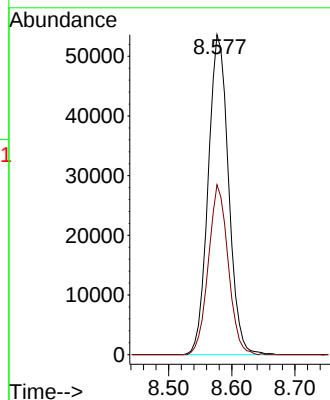
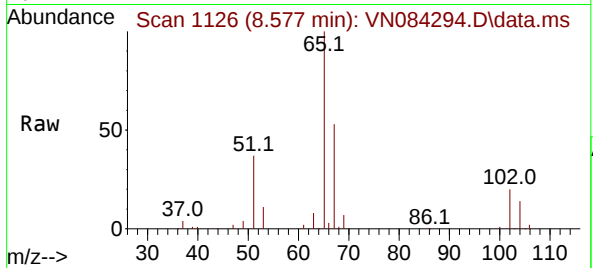
DUP10-20240925

Tgt Ion: 65 Resp: 120038

Ion Ratio Lower Upper

65 100

67 51.7 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: VN084294.D

Acq: 03 Oct 2024 13:28

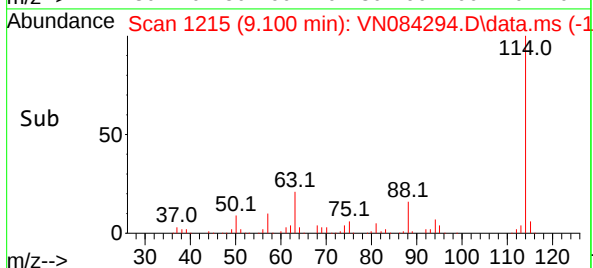
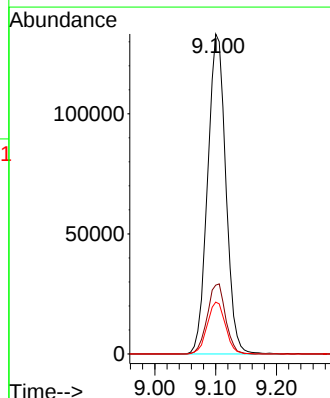
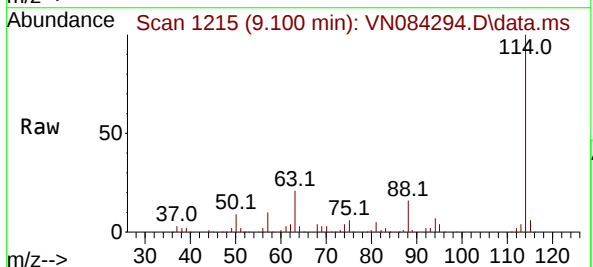
Tgt Ion: 114 Resp: 276119

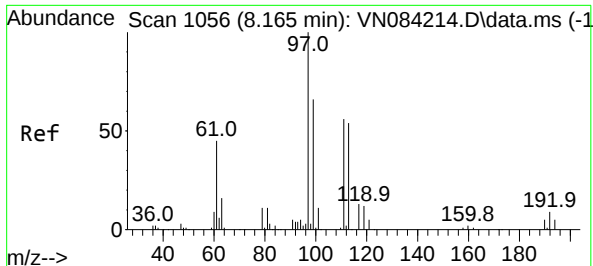
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.8

88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.707 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

Instrument :

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ClientSampleId :

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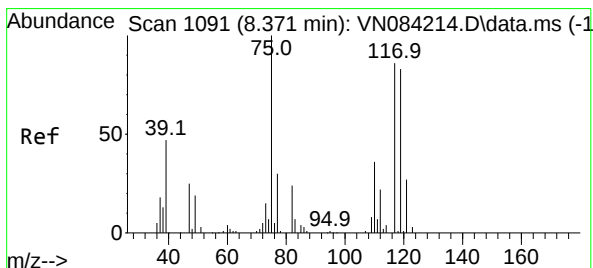
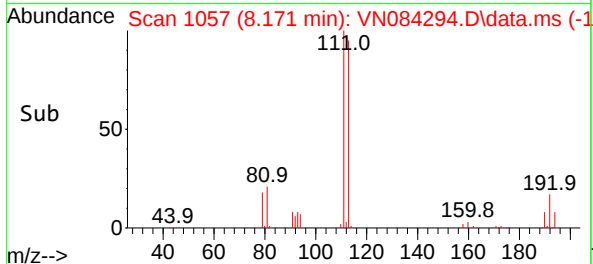
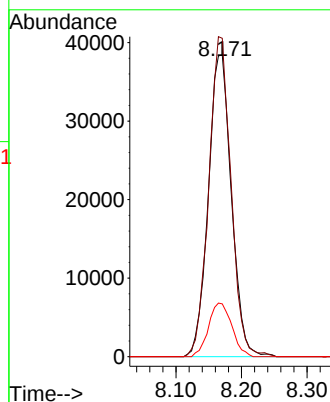
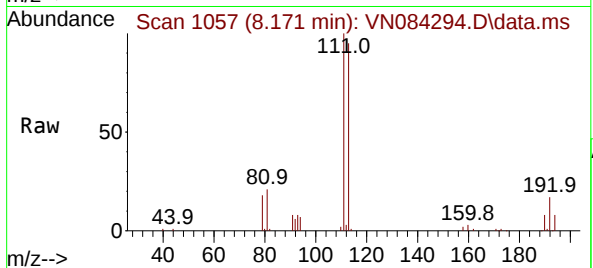
Tgt Ion:113 Resp: 94124

Ion Ratio Lower Upper

113 100

111 101.7 83.3 124.9

192 17.9 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.542 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

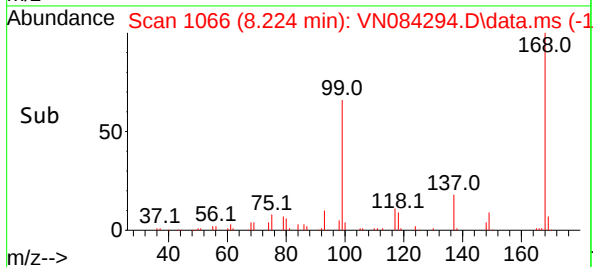
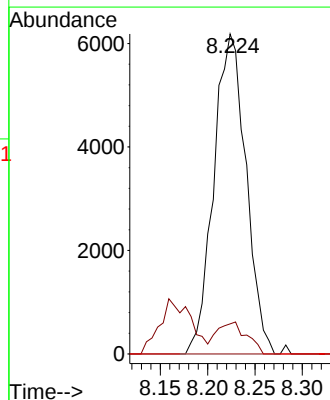
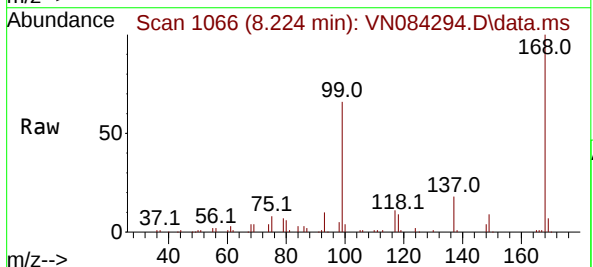
Tgt Ion: 75 Resp: 14655

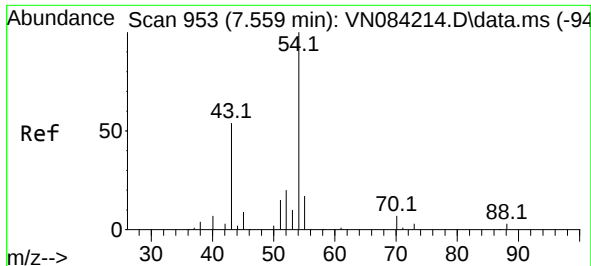
Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.576 ug/l

RT: 7.430 min Scan# 91

Delta R.T. -0.130 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

Instrument :

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DUP10-20240925

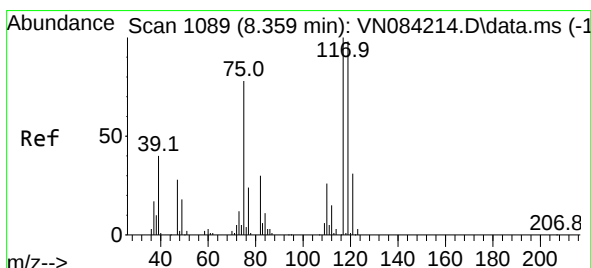
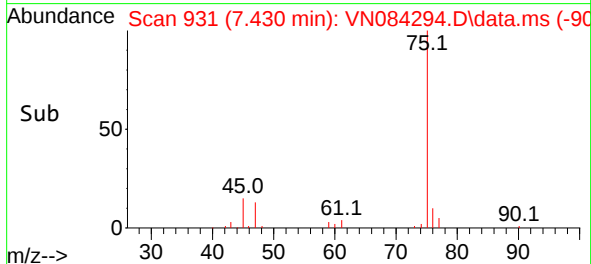
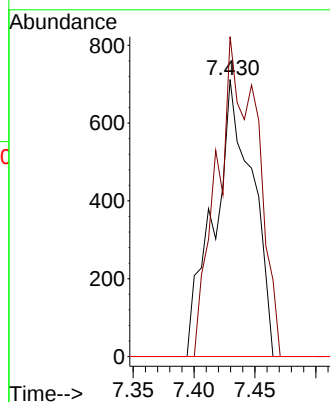
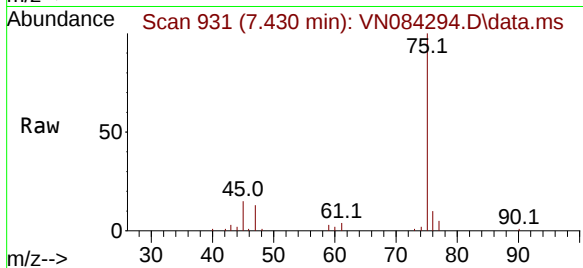
Tgt Ion: 43 Resp: 1563

Ion Ratio Lower Upper

43 100

61 120.3 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.013 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

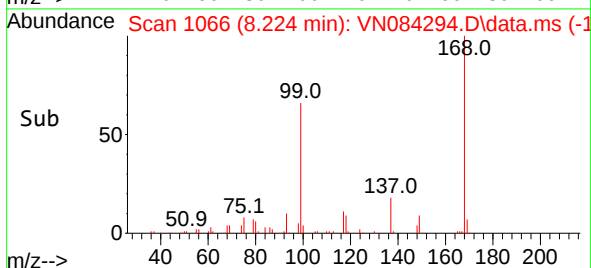
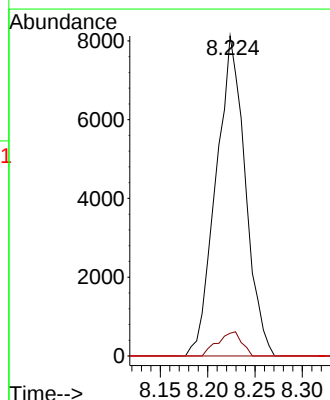
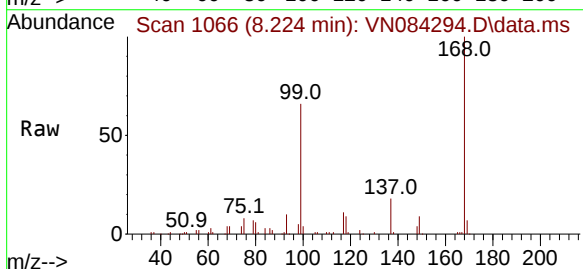
Tgt Ion: 117 Resp: 17440

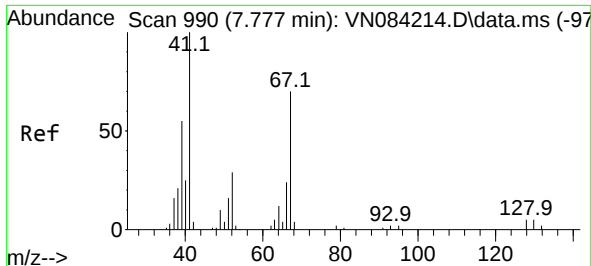
Ion Ratio Lower Upper

117 100

119 7.1 78.7 118.1#

121 0.0 24.4 36.6#

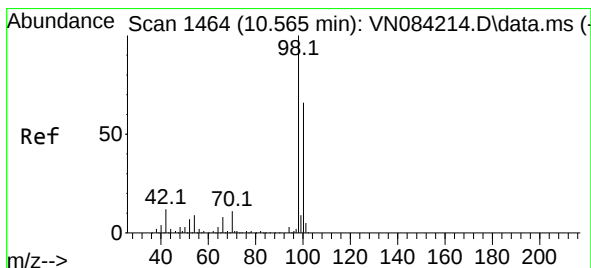
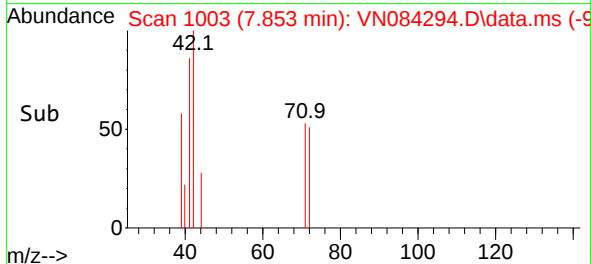
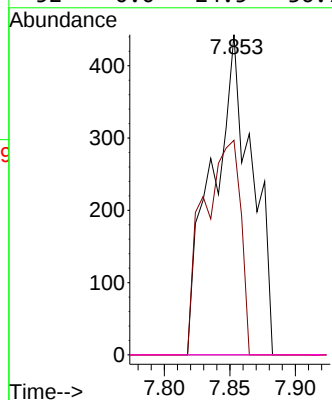
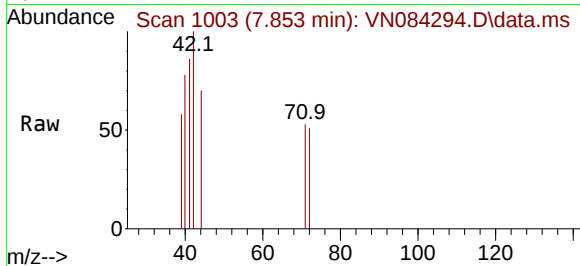




#41
Methacrylonitrile
Concen: 0.637 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

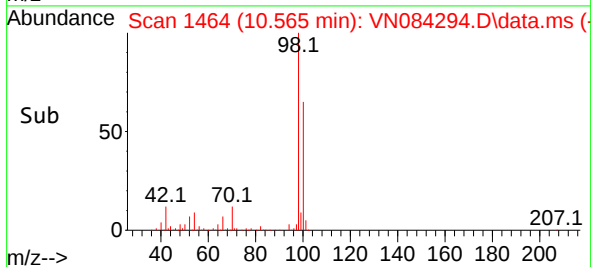
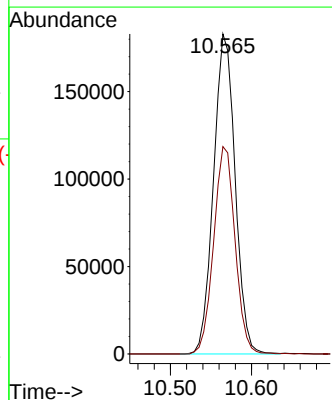
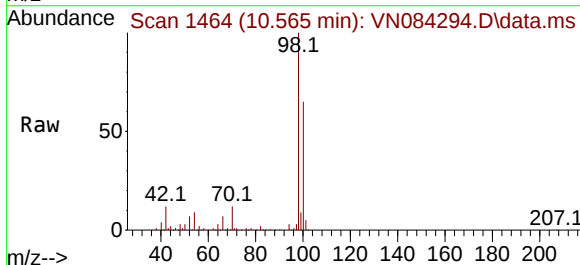
Instrument :
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DUP10-20240925

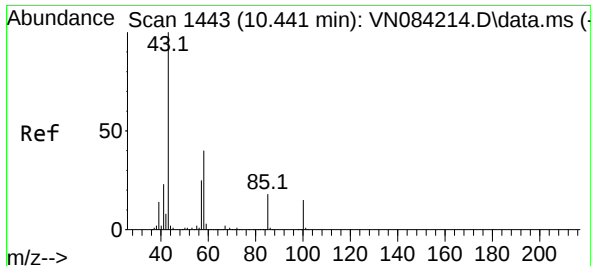
Tgt Ion: 41	Resp: 938
Ion Ratio	Lower Upper
41 100	
39 61.8	43.3 64.9
67 0.0	56.1 84.1#
52 0.0	24.5 36.7#



#50
Toluene-d8
Concen: 50.545 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

Tgt Ion: 98	Resp:	338515	
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1

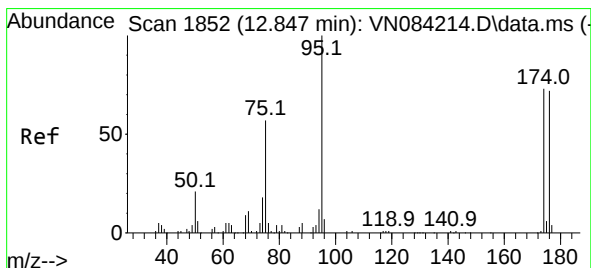
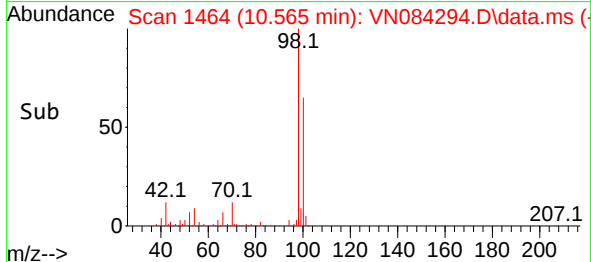
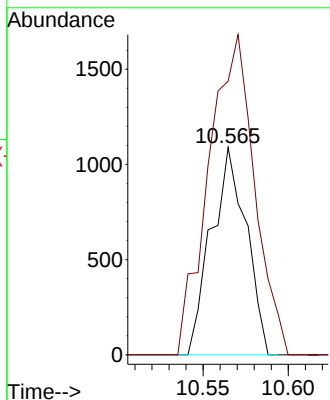
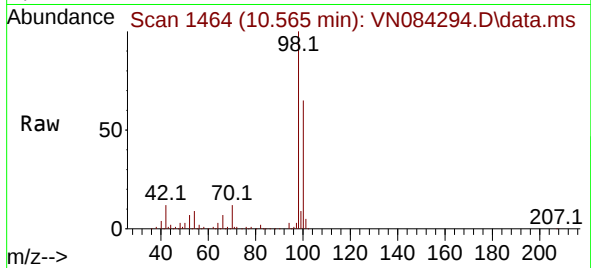




#51
4-Methyl-2-Pentanone
Concen: 0.602 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

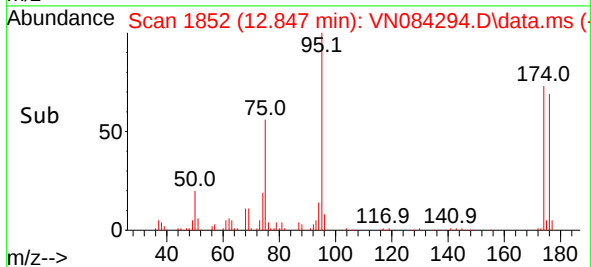
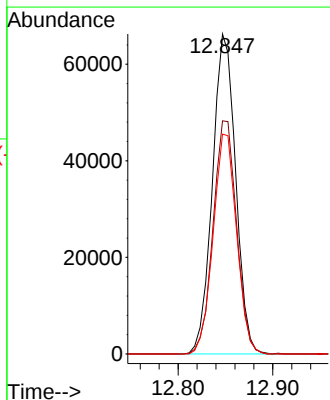
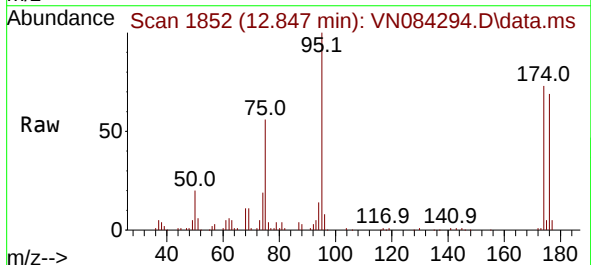
Instrument :
MSVOA_N
ClientSampleId :
DUP10-20240925

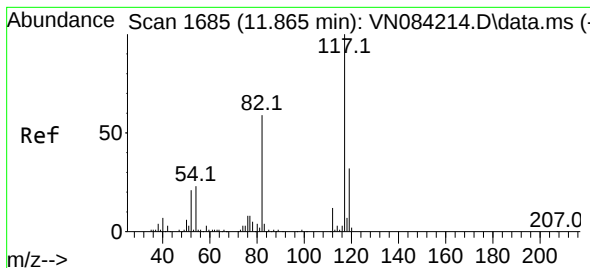
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 202.3 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 46.246 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084294.D
Acq: 03 Oct 2024 13:28

Tgt Ion: 95 Resp: 112834
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.2
176 69.5 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

DUP10-20240925

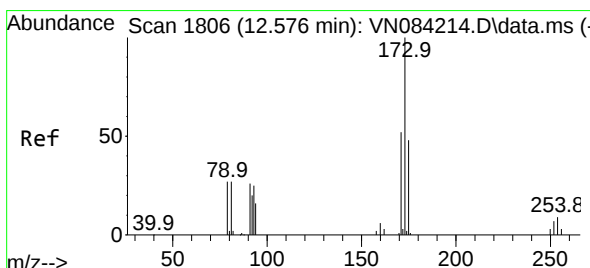
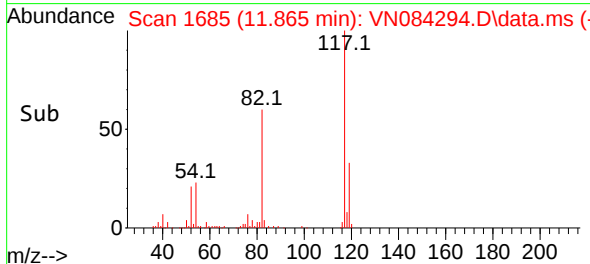
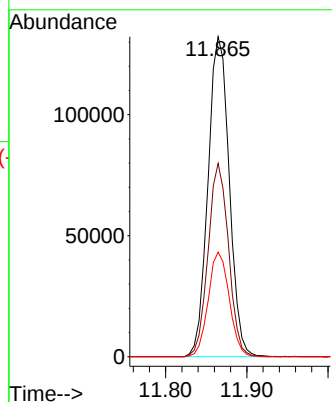
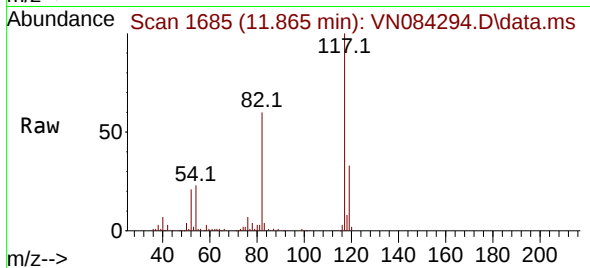
Tgt Ion:117 Resp: 240504

Ion Ratio Lower Upper

117 100

82 60.4 47.2 70.8

119 32.6 25.4 38.0



#71

Bromoform

Concen: 0.574 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.270 min

Lab File: VN084294.D

Acq: 03 Oct 2024 13:28

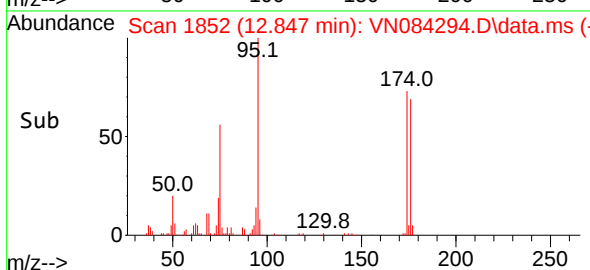
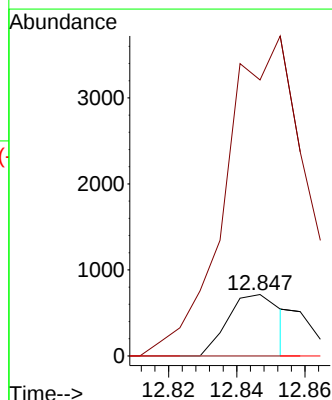
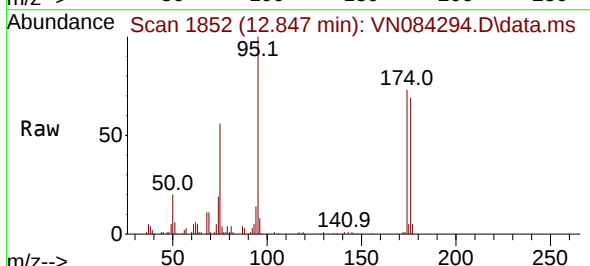
Tgt Ion:173 Resp: 776

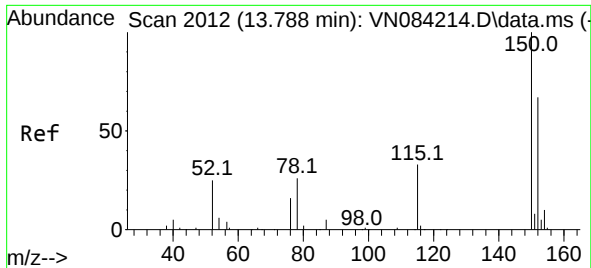
Ion Ratio Lower Upper

173 100

175 418.3 23.5 70.6#

254 0.0 0.0 0.0

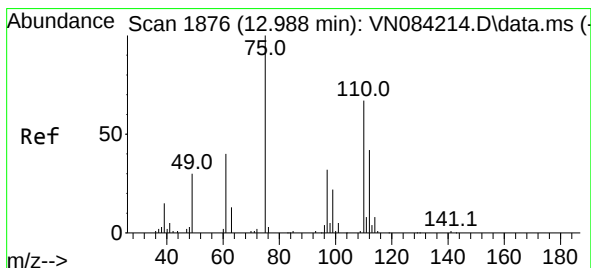
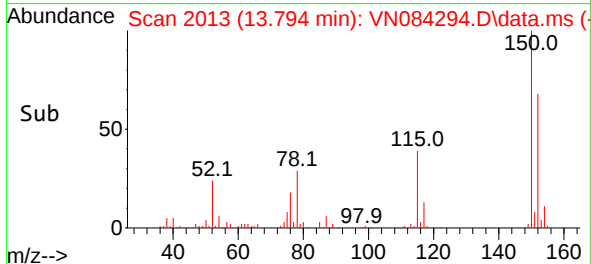
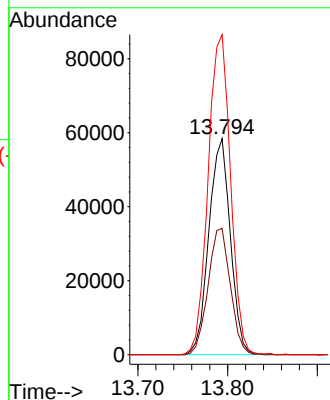
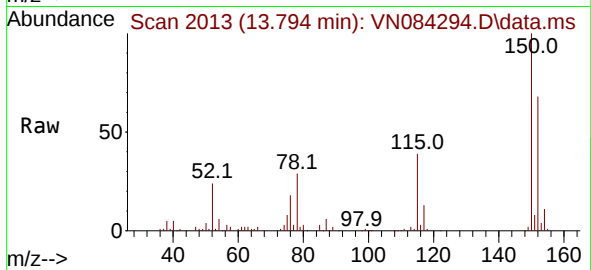




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN084294.D
 Acq: 03 Oct 2024 13:28

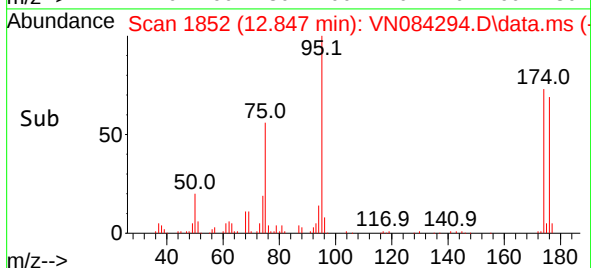
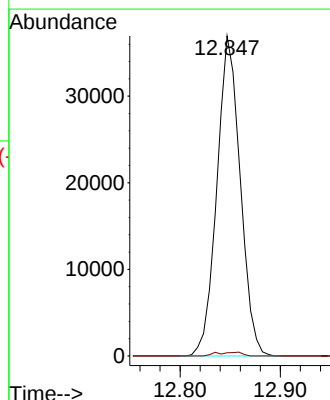
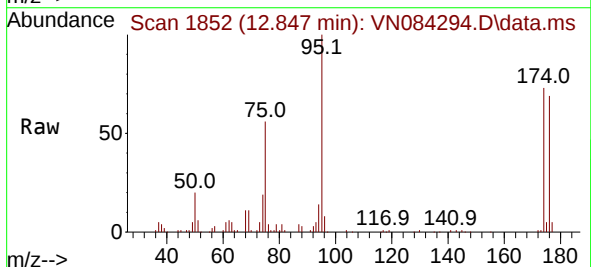
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP10-20240925

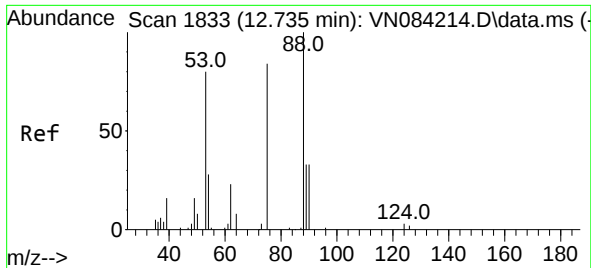
Tgt Ion:152 Resp: 97270
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.9
 150 154.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 30.064 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084294.D
 Acq: 03 Oct 2024 13:28

Tgt Ion: 75 Resp: 59700
 Ion Ratio Lower Upper
 75 100
 77 1.3 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.076 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084294.D
 Acq: 03 Oct 2024 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP10-20240925

Tgt Ion: 75 Resp: 59700
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

