

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085822.D
 Acq On : 21 Feb 2025 23:01
 Operator : JC\MD
 Sample : Q1405-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-021325

Quant Time: Feb 22 02:44:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

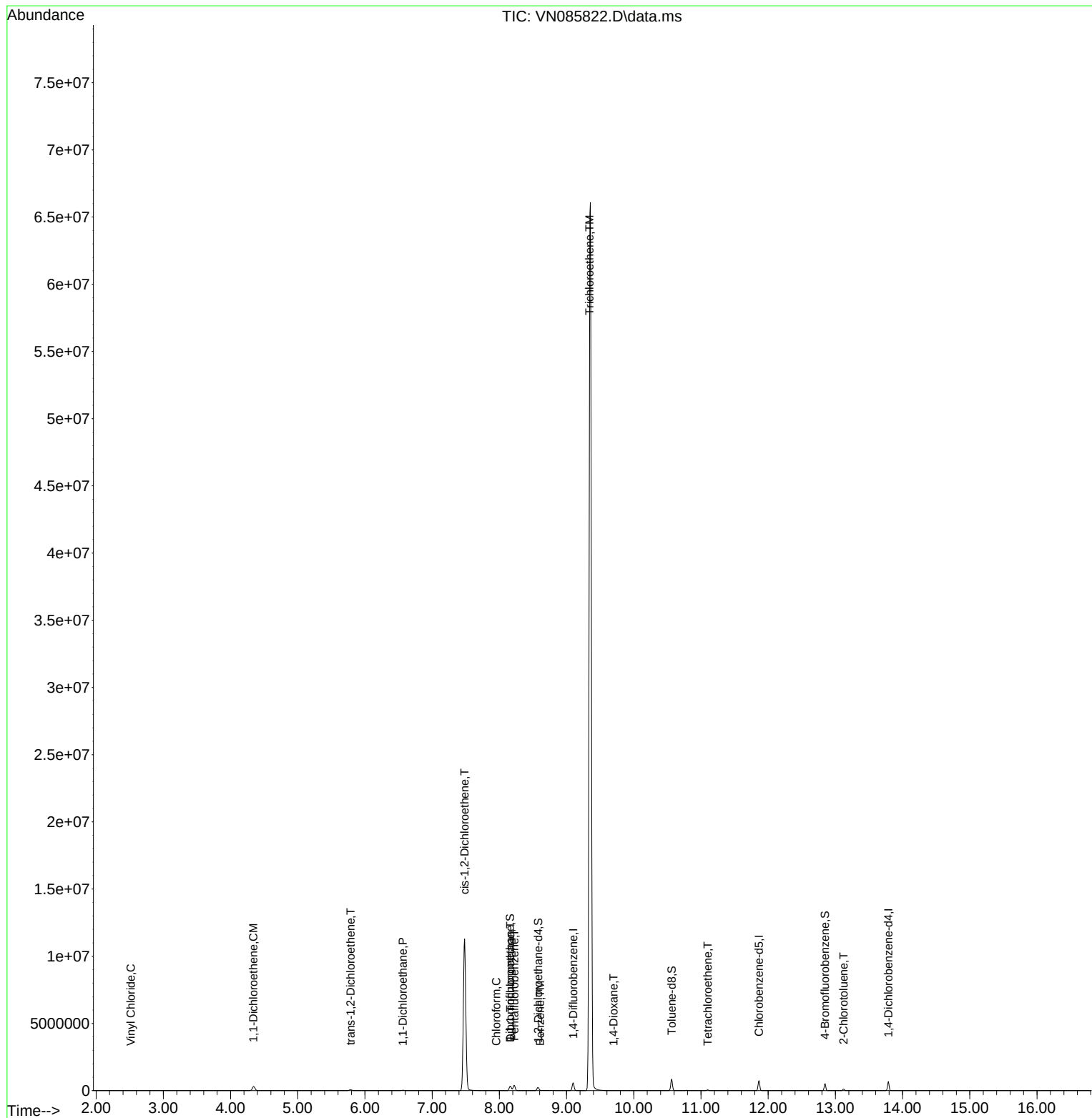
Internal Standards						
1) Pentafluorobenzene	8.224	168	285100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	501960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	442801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	192280	52.021	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.040%	
35) Dibromofluoromethane	8.159	113	172034	52.376	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.760%	
50) Toluene-d8	10.565	98	597693	50.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.847	95	180373	45.811	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.620%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.518	62	4855	1.178	ug/l	96
12) 1,1-Dichloroethene	4.342	96	188256	60.213	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	44630	13.257	ug/l	86
24) 1,1-Dichloroethane	6.565	63	48248	7.652	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	6819018	1746.917	ug/l	91
30) Chloroform	7.953	83	6184	0.938	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	79594	13.581	ug/l	95
40) Benzene	8.606	78	11646	0.782	ug/l	96
44) Trichloroethene	9.341	130	22713356	6208.955	ug/l	99
49) 1,4-Dioxane	9.700	88	1332	24.655	ug/l #	74
64) Tetrachloroethene	11.100	164	13909	4.055	ug/l	98
79) 2-Chlorotoluene	13.123	91	72514	7.531	ug/l	99

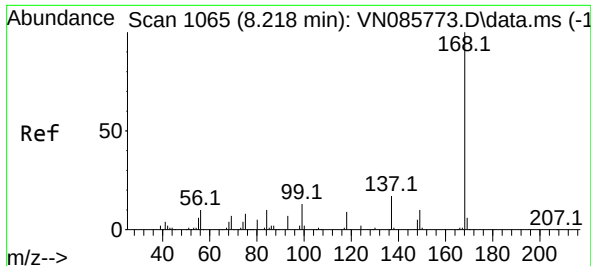
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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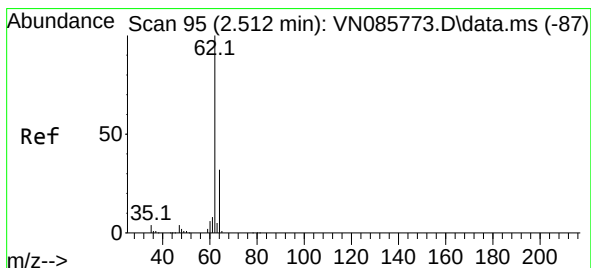
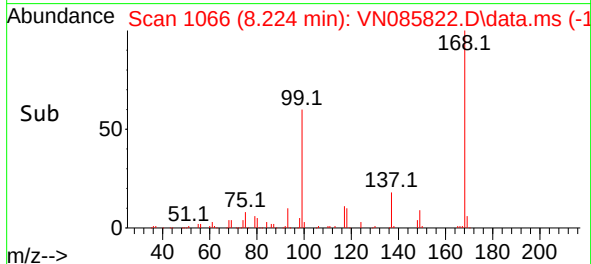
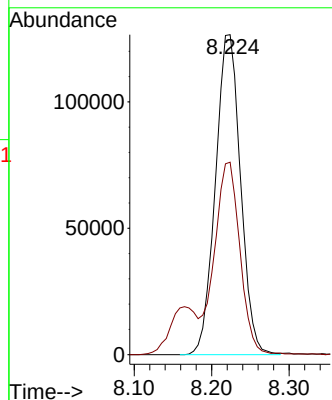
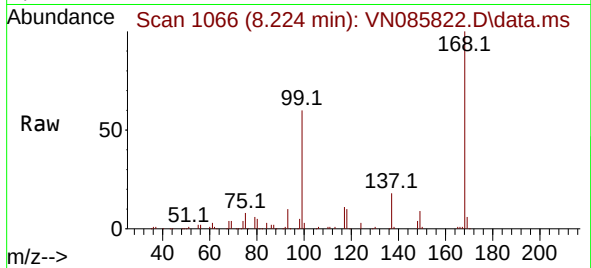




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085822.D
Acq: 21 Feb 2025 23:01

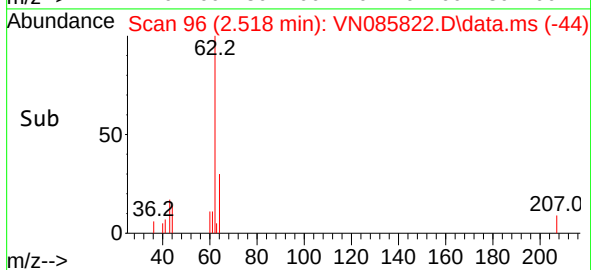
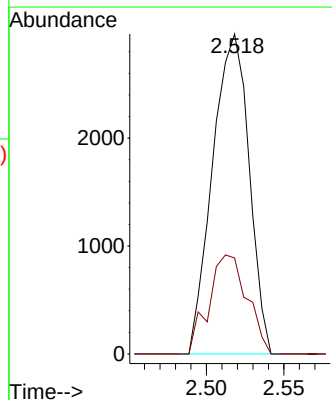
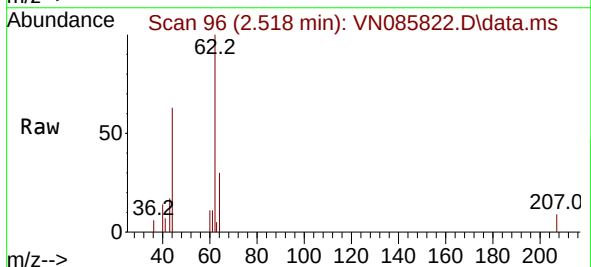
Instrument :
MSVOA_N
ClientSampleId :
MW-04-021325

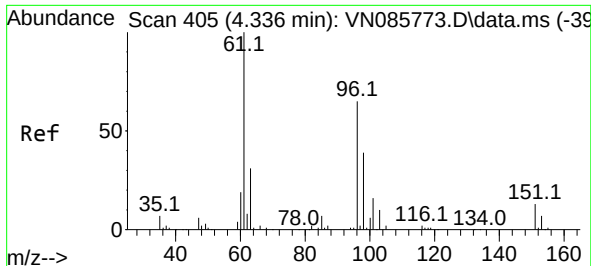
Tgt Ion:168 Resp: 285100
Ion Ratio Lower Upper
168 100
99 59.7 47.9 71.9



#4
Vinyl Chloride
Concen: 1.178 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085822.D
Acq: 21 Feb 2025 23:01

Tgt Ion: 62 Resp: 4855
Ion Ratio Lower Upper
62 100
64 30.0 25.9 38.9

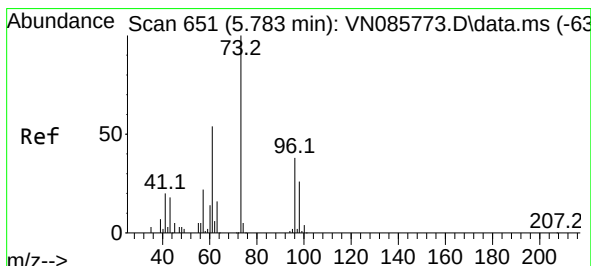
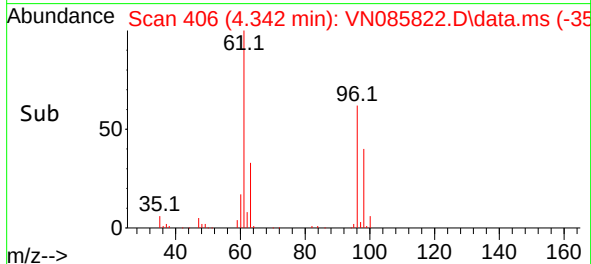
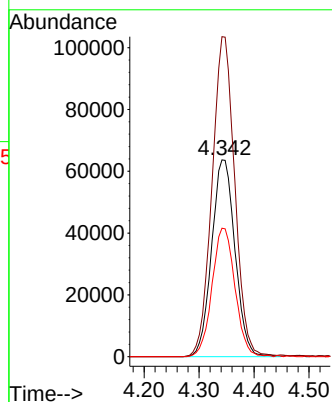
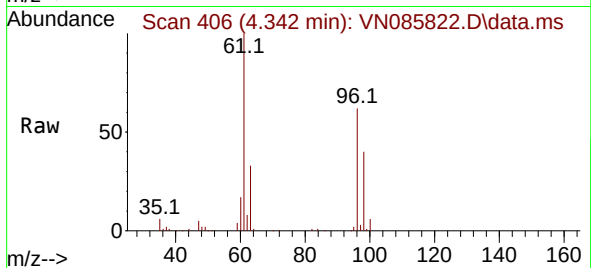




#12
1,1-Dichloroethene
Concen: 60.213 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN085822.D
Acq: 21 Feb 2025 23:01

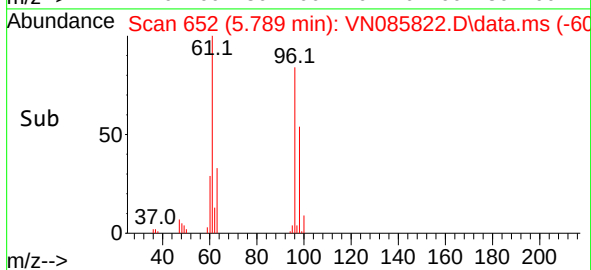
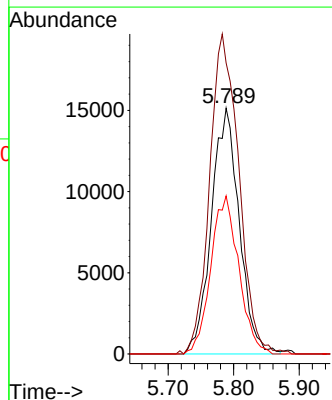
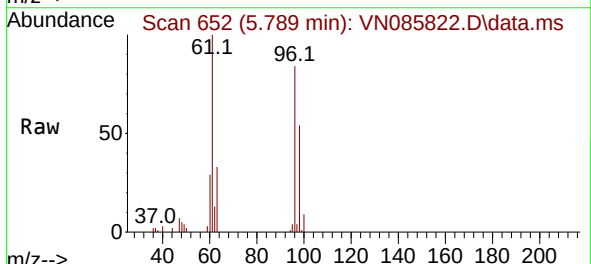
Instrument :
MSVOA_N
ClientSampleId :
MW-04-021325

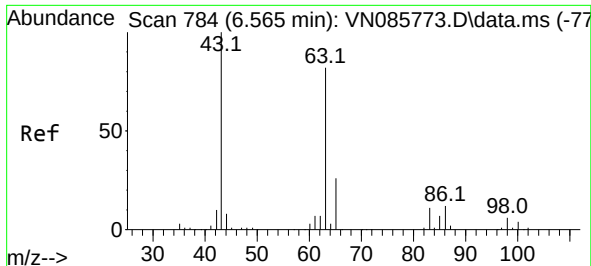
Tgt Ion: 96 Resp: 188256
Ion Ratio Lower Upper
96 100
61 162.6 123.3 184.9
98 65.3 48.6 72.8



#21
trans-1,2-Dichloroethene
Concen: 13.257 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.006 min
Lab File: VN085822.D
Acq: 21 Feb 2025 23:01

Tgt Ion: 96 Resp: 44630
Ion Ratio Lower Upper
96 100
61 117.1 112.6 168.8
98 64.3 53.3 79.9

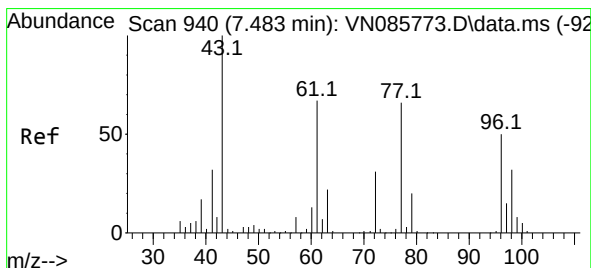
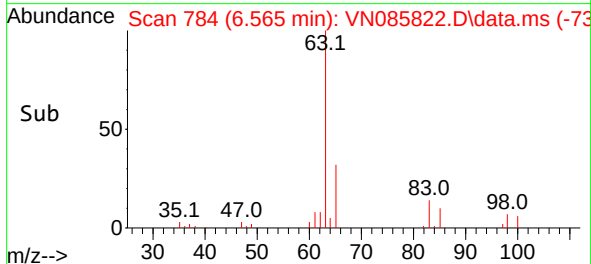
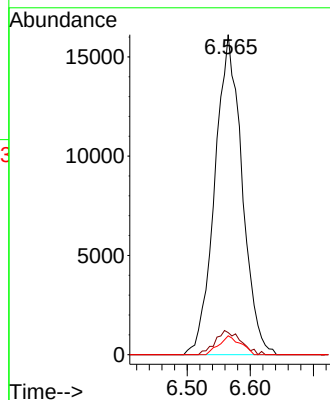
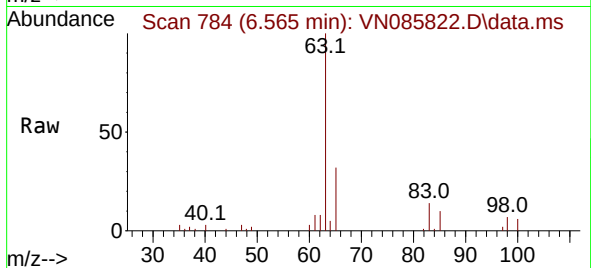




#24
 1,1-Dichloroethane
 Concen: 7.652 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VN085822.D
 Acq: 21 Feb 2025 23:01

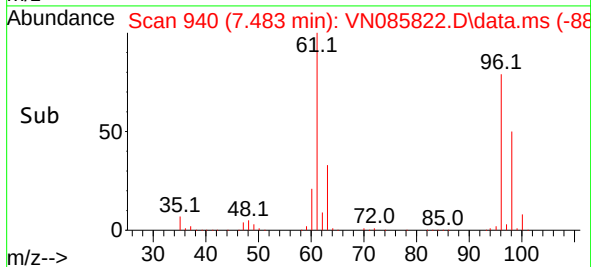
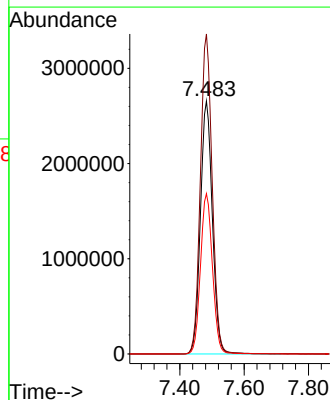
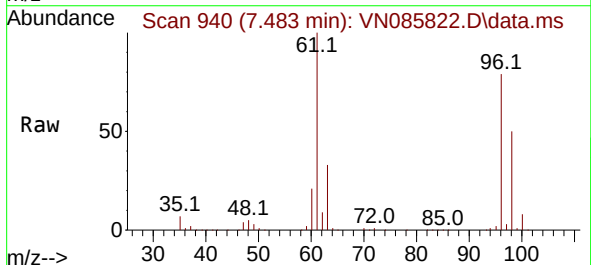
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-021325

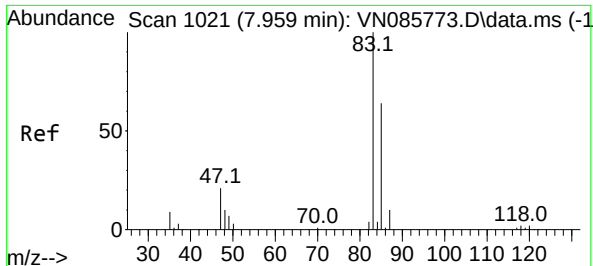
Tgt Ion: 63 Resp: 48248
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.4
 100 5.9 2.4 7.2



#27
 cis-1,2-Dichloroethene
 Concen: 1746.917 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN085822.D
 Acq: 21 Feb 2025 23:01

Tgt Ion: 96 Resp: 6819018
 Ion Ratio Lower Upper
 96 100
 61 125.6 0.0 280.6
 98 63.7 0.0 128.6





#30

Chloroform

Concen: 0.938 ug/l

RT: 7.953 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

Instrument :

MSVOA_N

ClientSampleId :

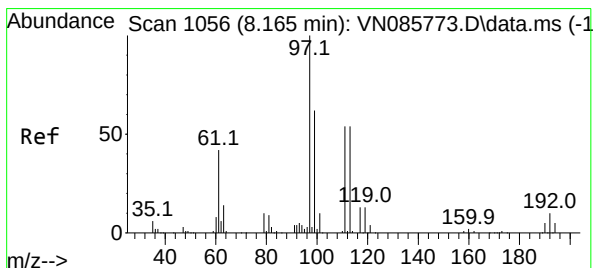
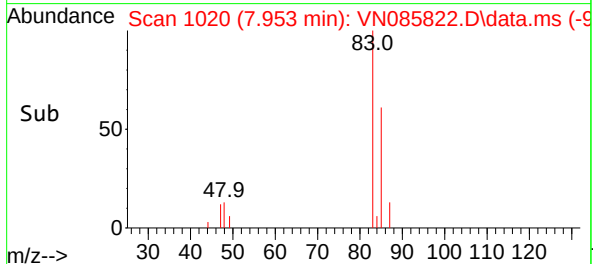
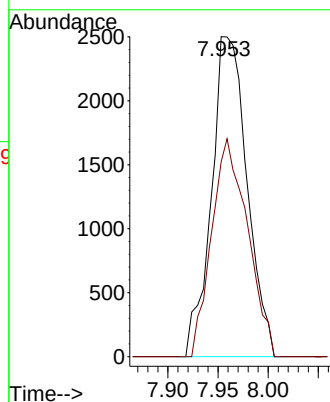
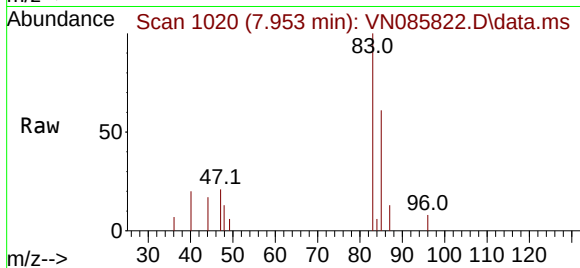
MW-04-021325

Tgt Ion: 83 Resp: 6184

Ion Ratio Lower Upper

83 100

85 60.9 50.9 76.3



#32

1,1,1-Trichloroethane

Concen: 13.581 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

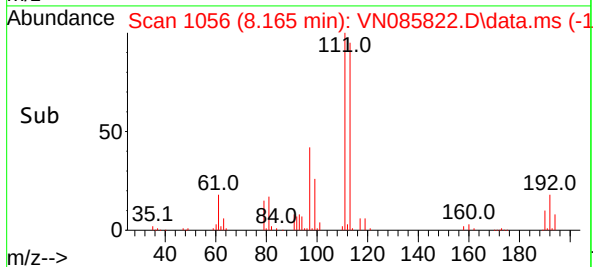
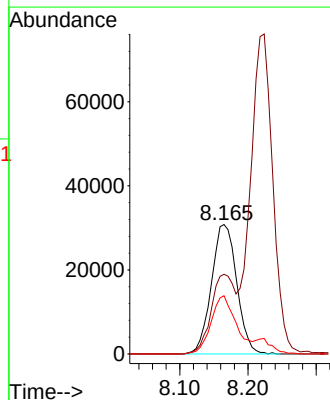
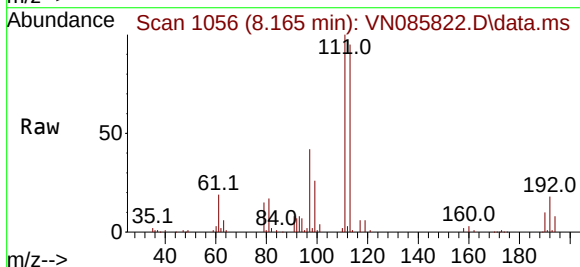
Tgt Ion: 97 Resp: 79594

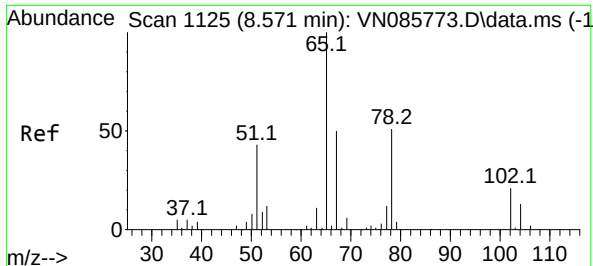
Ion Ratio Lower Upper

97 100

99 57.3 50.4 75.6

61 44.9 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 52.021 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

Instrument :

MSVOA_N

ClientSampleId :

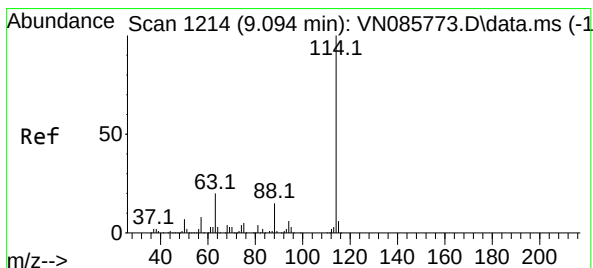
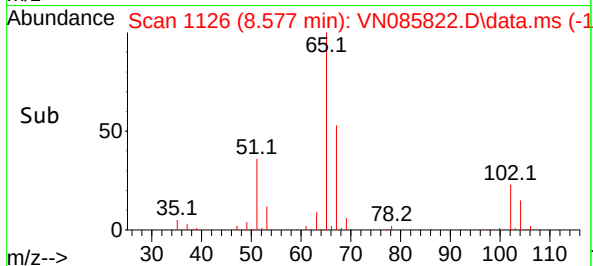
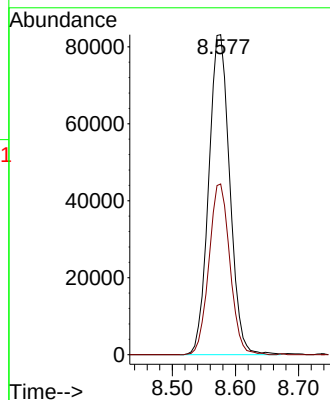
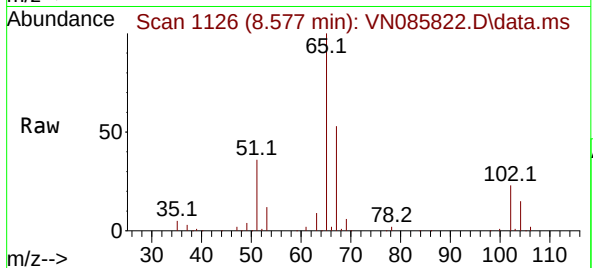
MW-04-021325

Tgt Ion: 65 Resp: 192280

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

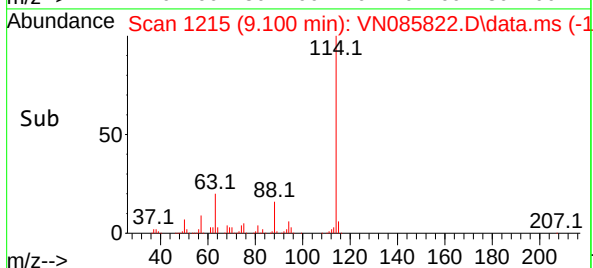
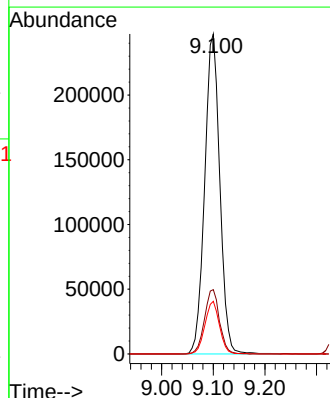
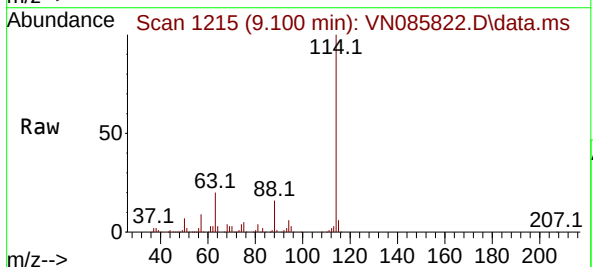
Tgt Ion: 114 Resp: 501960

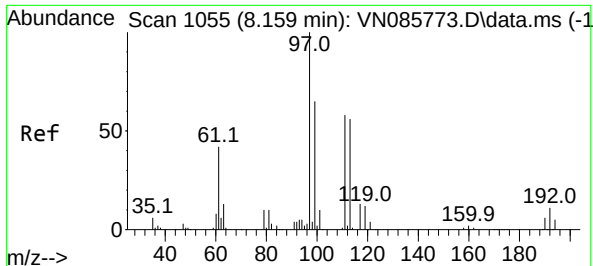
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.376 ug/l

RT: 8.159 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

Instrument :

MSVOA_N

ClientSampleId :

MW-04-021325

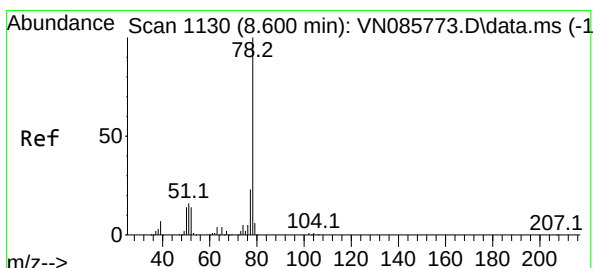
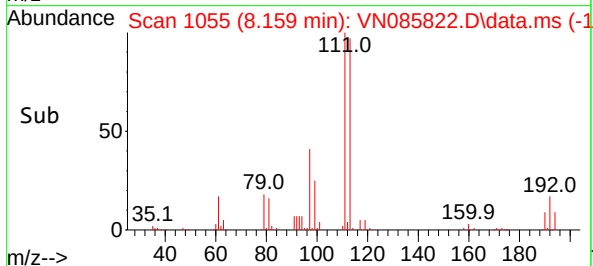
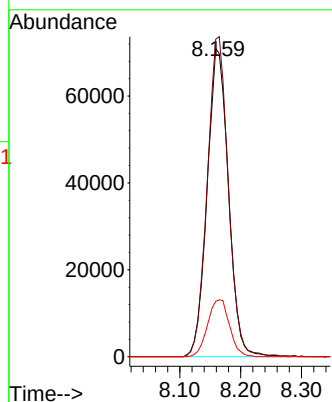
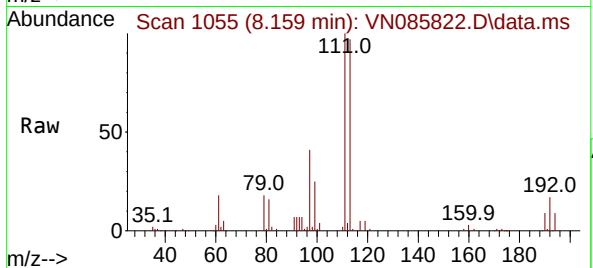
Tgt Ion:113 Resp: 172034

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 19.0 14.7 22.1



#40

Benzene

Concen: 0.782 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085822.D

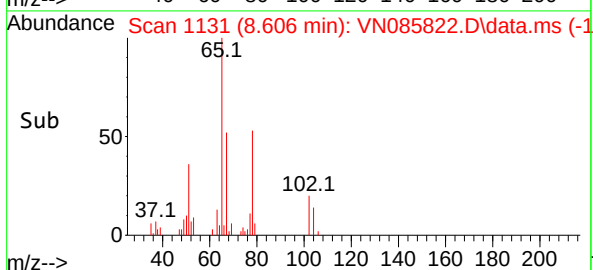
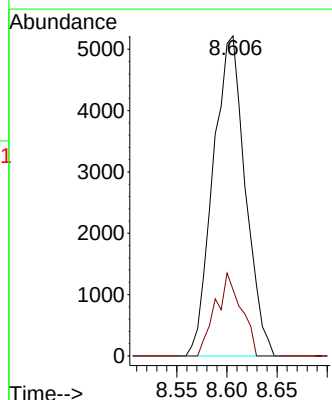
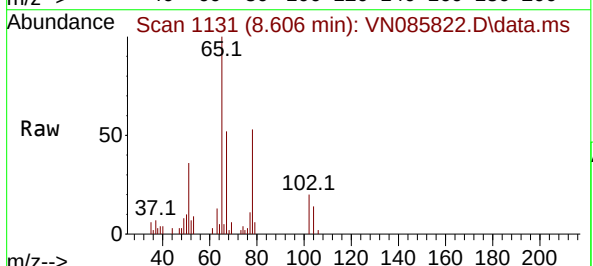
Acq: 21 Feb 2025 23:01

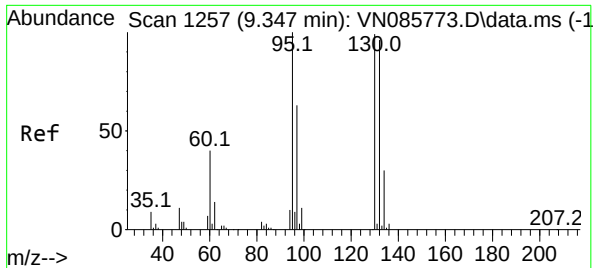
Tgt Ion: 78 Resp: 11646

Ion Ratio Lower Upper

78 100

77 20.8 18.3 27.5

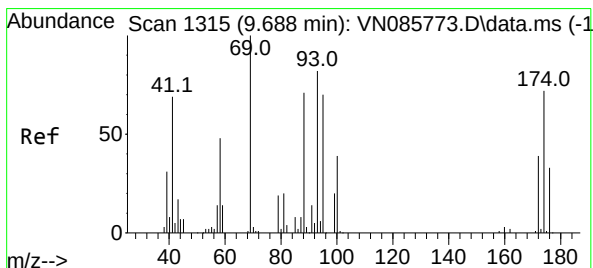
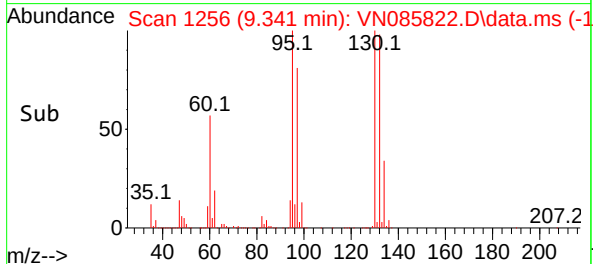
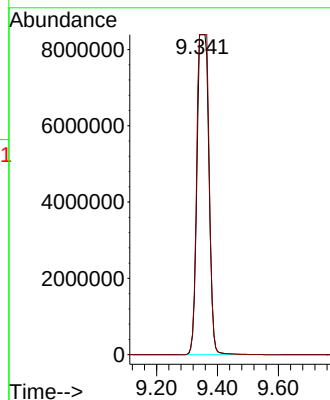
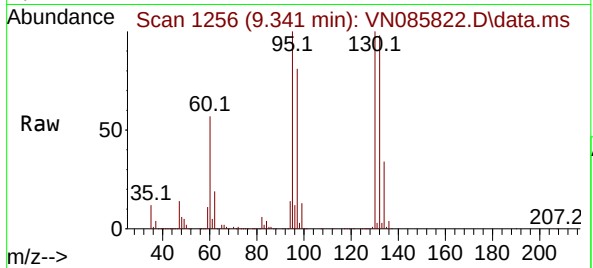




#44
 Trichloroethene
 Concen: 6208.955 ug/l
 RT: 9.341 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN085822.D
 Acq: 21 Feb 2025 23:01

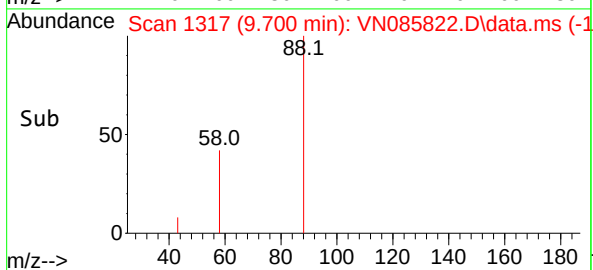
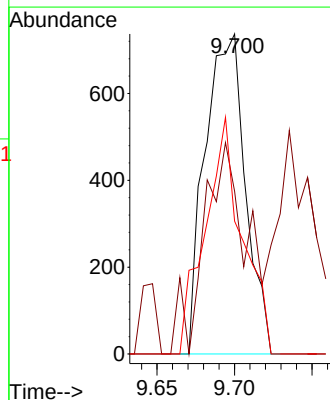
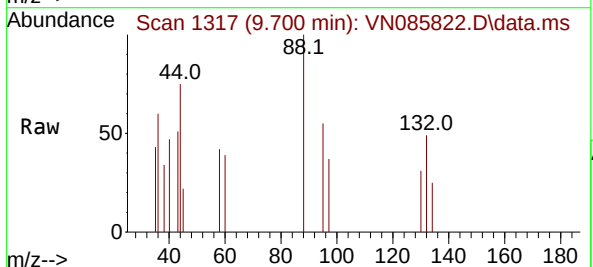
Instrument :
 MSVOA_N
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 MW-04-021325

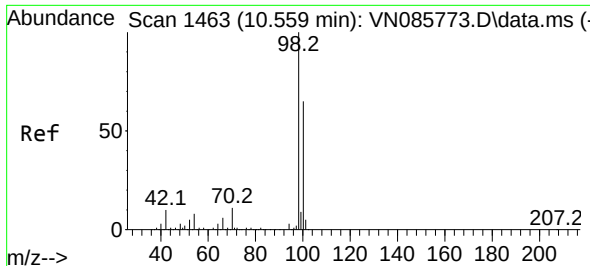
Tgt Ion:130 Resp:22713356
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 202.6



#49
 1,4-Dioxane
 Concen: 24.655 ug/l
 RT: 9.700 min Scan# 1317
 Delta R.T. 0.012 min
 Lab File: VN085822.D
 Acq: 21 Feb 2025 23:01

Tgt Ion: 88 Resp: 1332
 Ion Ratio Lower Upper
 88 100
 43 70.3 18.6 27.8#
 58 68.5 56.7 85.1

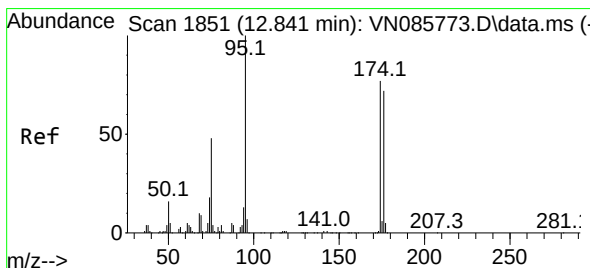
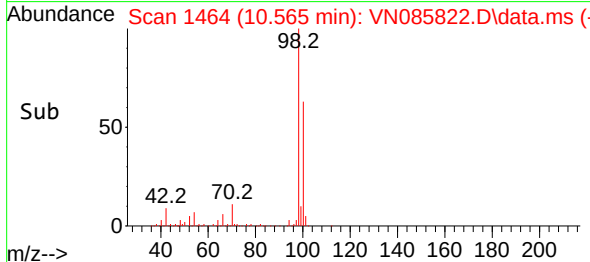
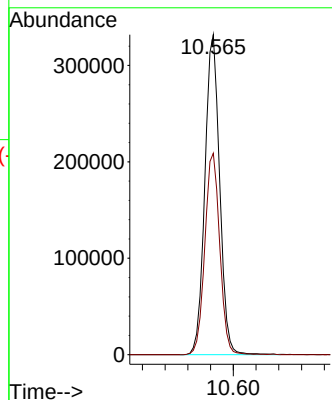
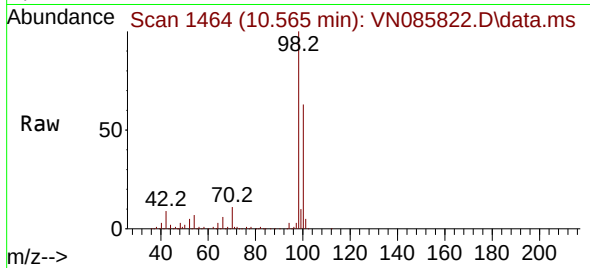




#50
Toluene-d8
Concen: 50.015 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085822.D
Acq: 21 Feb 2025 23:01

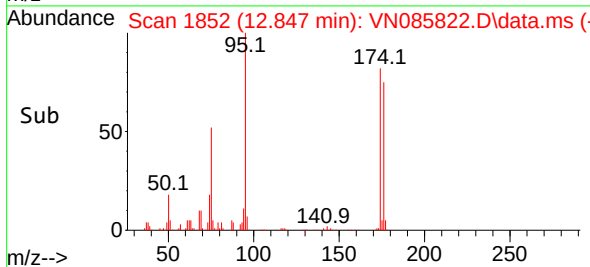
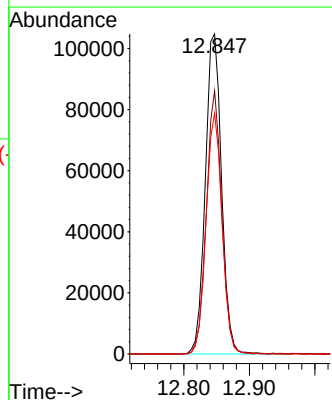
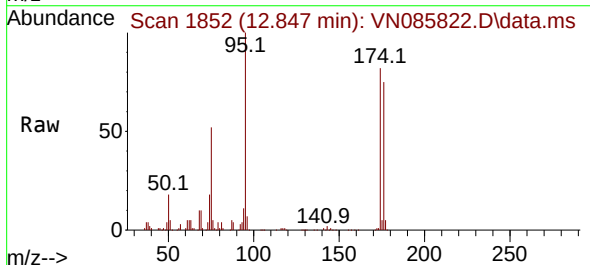
Instrument :
MSVOA_N
ClientSampleId :
MW-04-021325

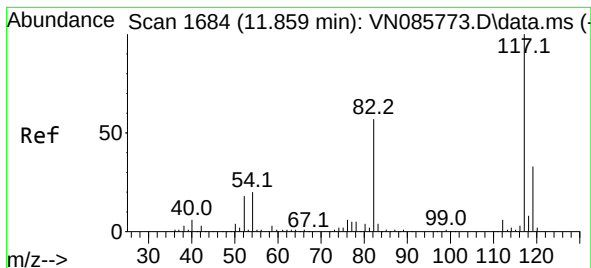
Tgt Ion: 98 Resp: 597693
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085822.D
Acq: 21 Feb 2025 23:01

Tgt Ion: 95 Resp: 180373
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.4
176 73.9 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

Instrument :

MSVOA_N

ClientSampleId :

MW-04-021325

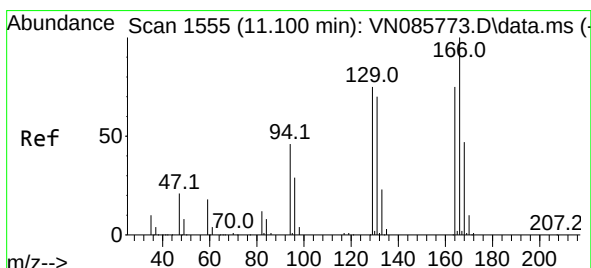
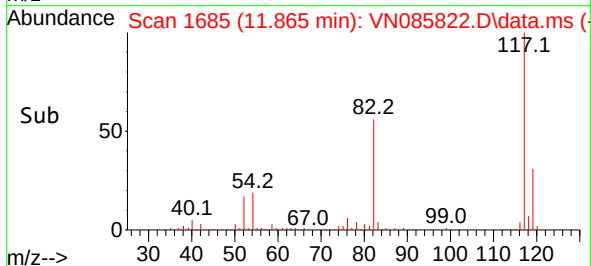
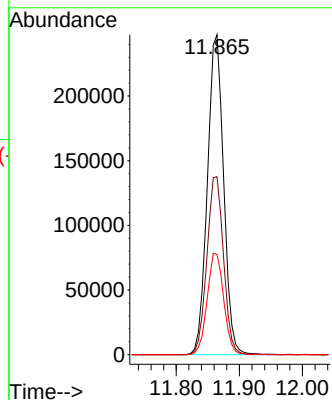
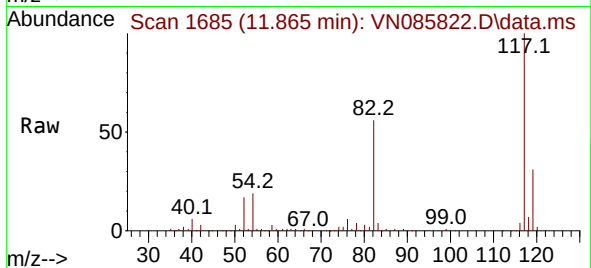
Tgt Ion:117 Resp: 442801

Ion Ratio Lower Upper

117 100

82 55.6 45.7 68.5

119 31.3 26.2 39.2



#64

Tetrachloroethene

Concen: 4.055 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085822.D

Acq: 21 Feb 2025 23:01

Tgt Ion:164 Resp: 13909

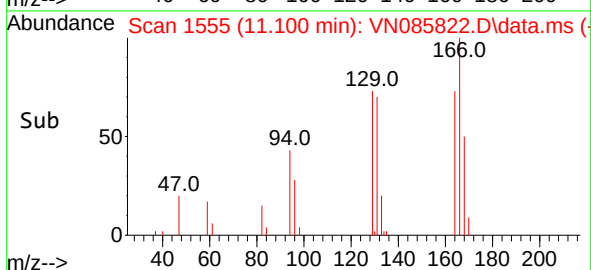
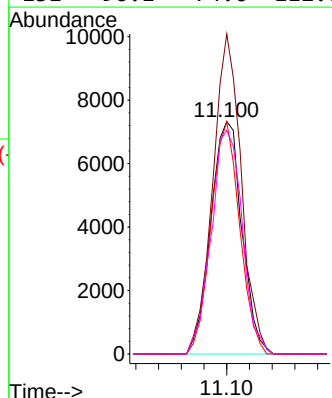
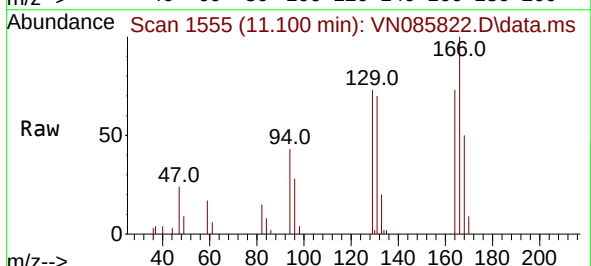
Ion Ratio Lower Upper

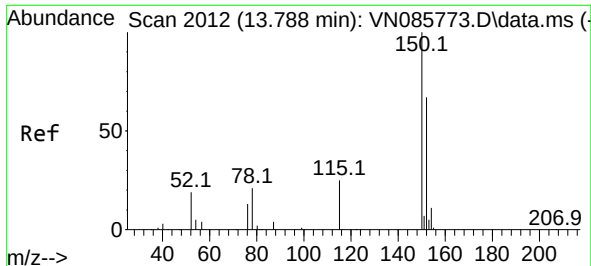
164 100

166 137.6 107.2 160.8

129 99.8 80.7 121.1

131 96.1 74.6 112.0



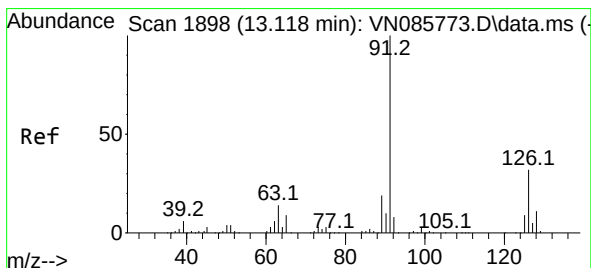
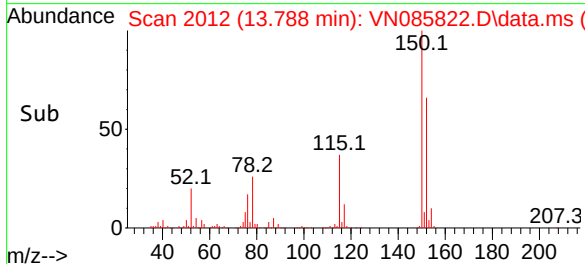
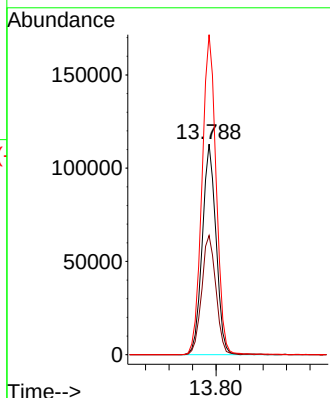
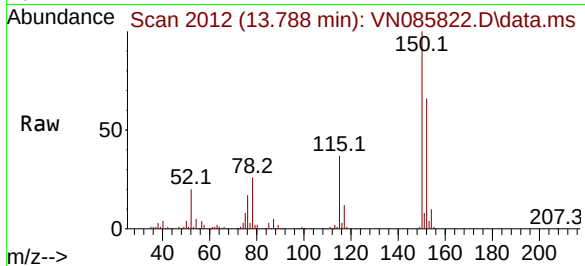


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085822.D
 Acq: 21 Feb 2025 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-021325

Tgt Ion:152 Resp: 183668

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.4	91.3
150	155.8	0.0	345.4



#79
 2-Chlorotoluene
 Concen: 7.531 ug/l
 RT: 13.123 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VN085822.D
 Acq: 21 Feb 2025 23:01

Tgt Ion: 91 Resp: 72514

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.1

