

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085823.D
 Acq On : 21 Feb 2025 23:25
 Operator : JC\MD
 Sample : Q1405-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20D-021325

Quant Time: Feb 22 02:45:25 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)

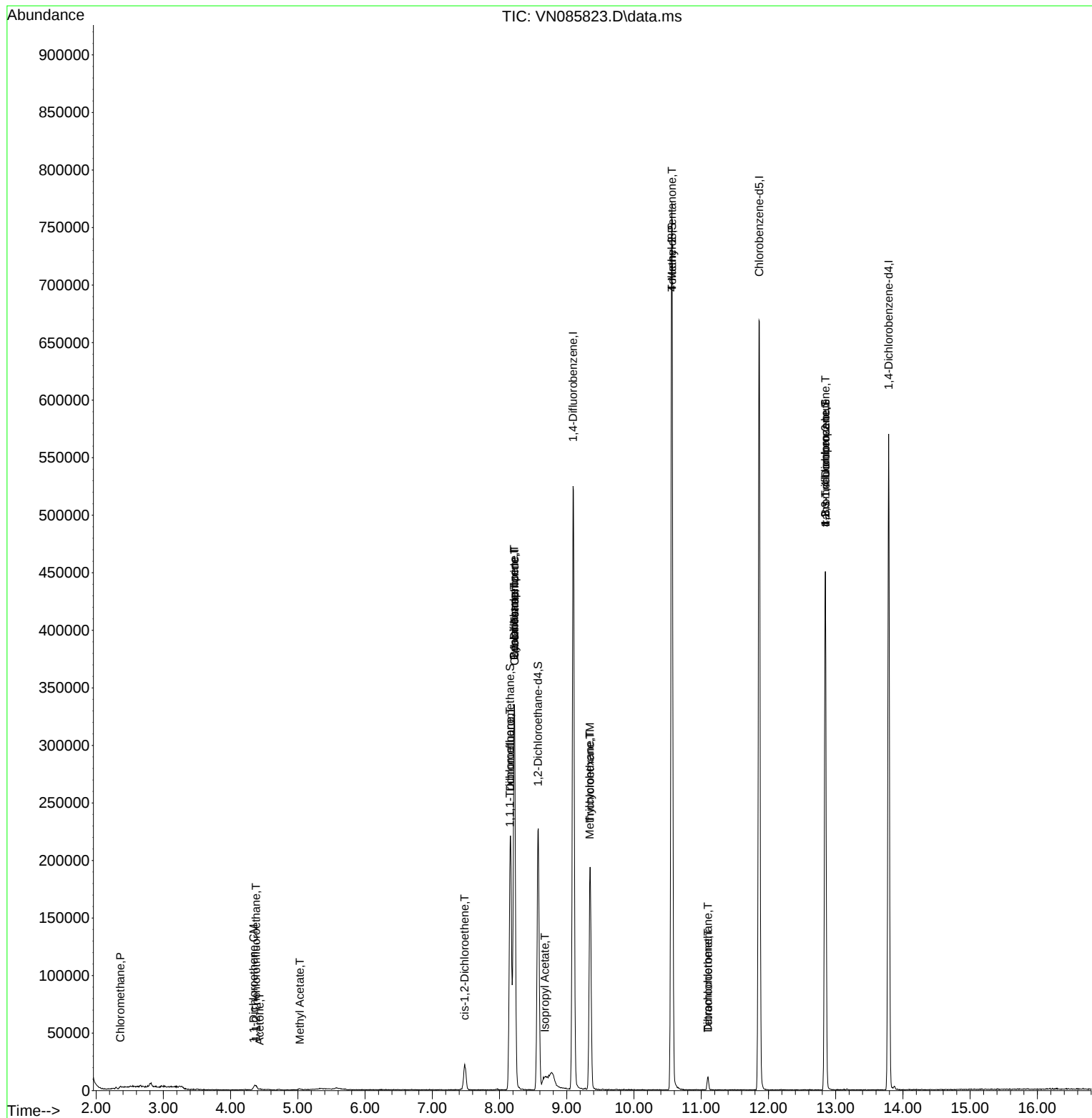
Internal Standards						
1) Pentafluorobenzene	8.218	168	246210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	467297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	407537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	161122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	186337	58.376	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.760%
35) Dibromofluoromethane	8.159	113	163417	53.443	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.880%
50) Toluene-d8	10.565	98	553144	49.720	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.440%
62) 4-Bromofluorobenzene	12.847	95	162566	44.351	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	911	0.271	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	2998	1.007	ug/l #	86
12) 1,1-Dichloroethene	4.342	96	1035	0.383	ug/l #	75
16) Acetone	4.430	43	752	0.745	ug/l #	40
18) Methyl Acetate	5.030	43	1939	0.558	ug/l #	75
27) cis-1,2-Dichloroethene	7.483	96	14727	4.369	ug/l	84
31) Cyclohexane	8.218	56	5238	1.149	ug/l #	1
32) 1,1,1-Trichloroethane	8.153	97	2031	0.401	ug/l #	36
36) 1,1-Dichloropropene	8.218	75	20721	4.788	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25771	5.012	ug/l #	19
39) Methylcyclohexane	9.341	83	1053	0.248	ug/l #	1
43) Isopropyl Acetate	8.677	43	10242	1.104	ug/l #	53
44) Trichloroethene	9.347	130	71876	21.106	ug/l	97
51) 4-Methyl-2-Pentanone	10.565	43	2099	0.611	ug/l #	1
60) Dibromochloromethane	11.100	129	3022	0.803	ug/l #	10
64) Tetrachloroethene	11.100	164	2884	0.913	ug/l #	88
76) 1,2,3-Trichloropropane	12.847	75	82250	22.981	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82250	67.053	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
Data File : VN085823.D
Acq On : 21 Feb 2025 23:25
Operator : JC\MD
Sample : Q1405-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

Quant Time: Feb 22 02:45:25 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

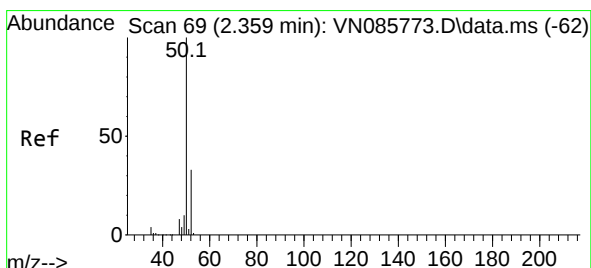
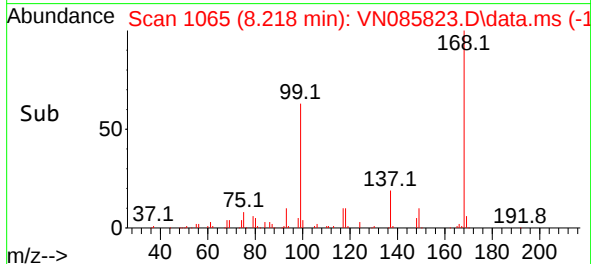
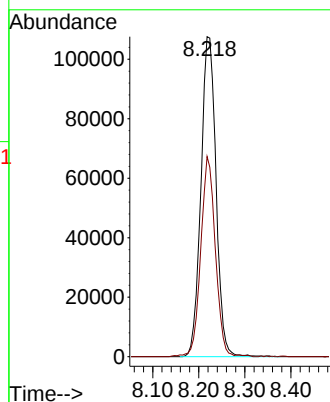
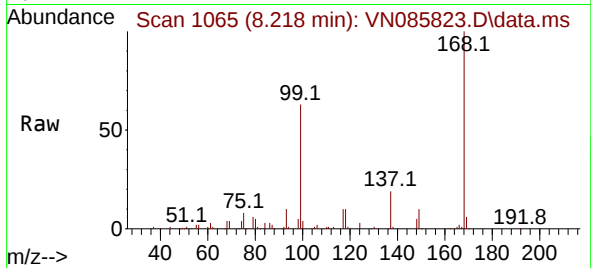




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

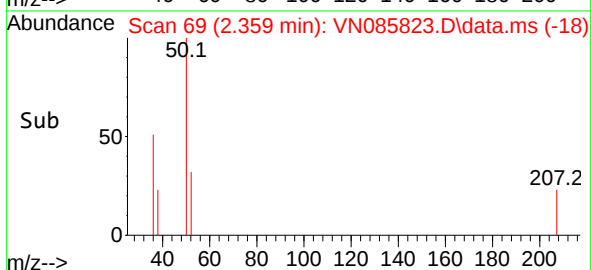
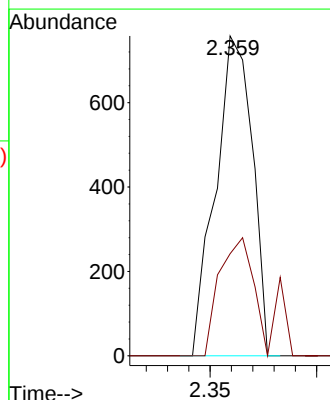
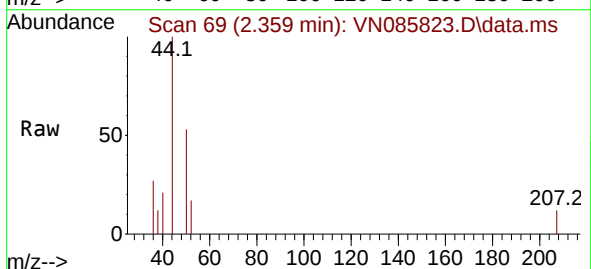
Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

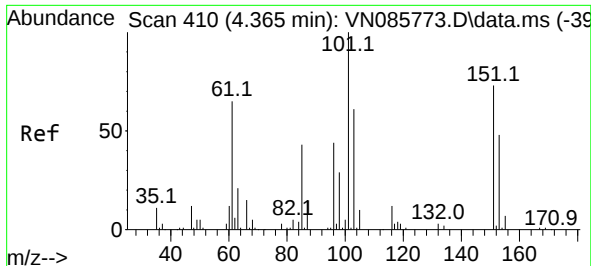
Tgt Ion:168 Resp: 246210
Ion Ratio Lower Upper
168 100
99 62.4 47.9 71.9



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Tgt Ion: 50 Resp: 911
Ion Ratio Lower Upper
50 100
52 31.9 26.7 40.1

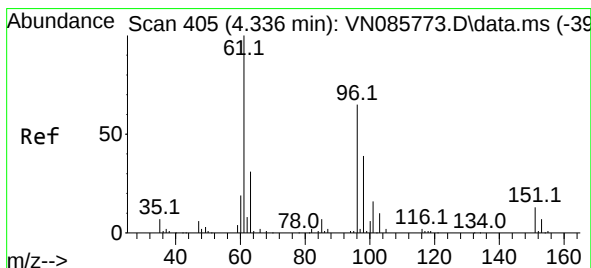
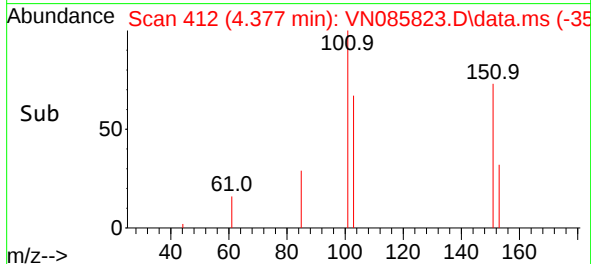
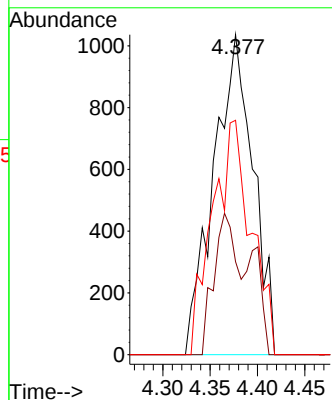
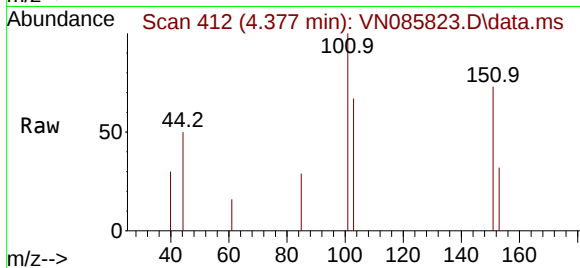




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.007 ug/l
 RT: 4.377 min Scan# 411
 Delta R.T. 0.012 min
 Lab File: VN085823.D
 Acq: 21 Feb 2025 23:25

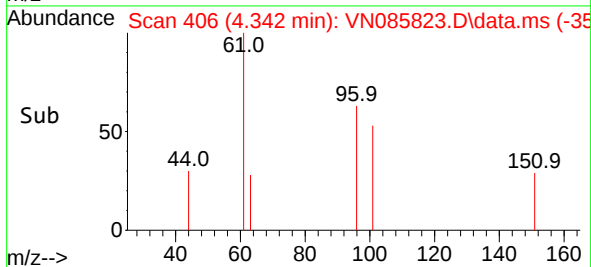
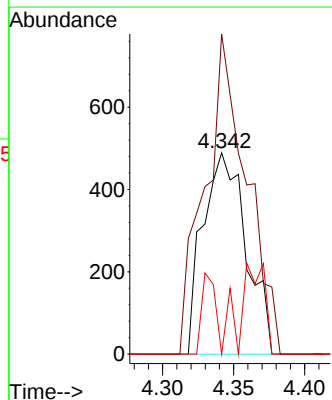
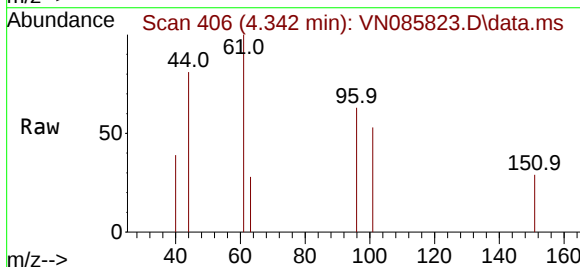
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20D-021325

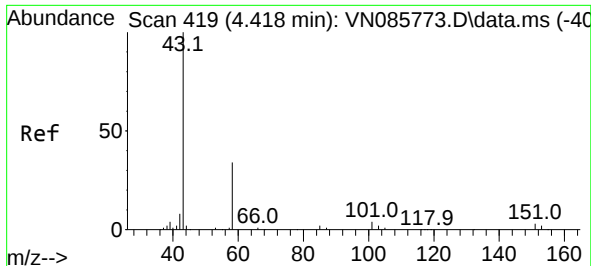
Tgt Ion:101 Resp: 2998
 Ion Ratio Lower Upper
 101 100
 85 26.1 35.7 53.5#
 151 71.9 61.4 92.2



#12
 1,1-Dichloroethene
 Concen: 0.383 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.006 min
 Lab File: VN085823.D
 Acq: 21 Feb 2025 23:25

Tgt Ion: 96 Resp: 1035
 Ion Ratio Lower Upper
 96 100
 61 159.1 123.3 184.9
 98 0.0 48.6 72.8#

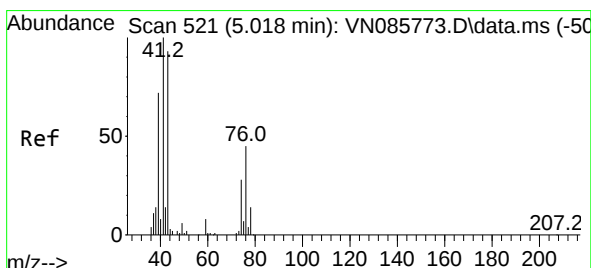
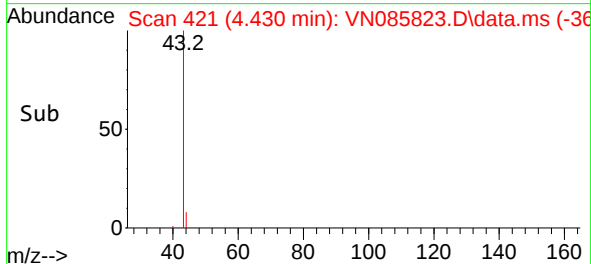
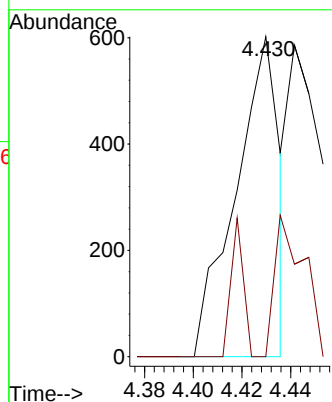
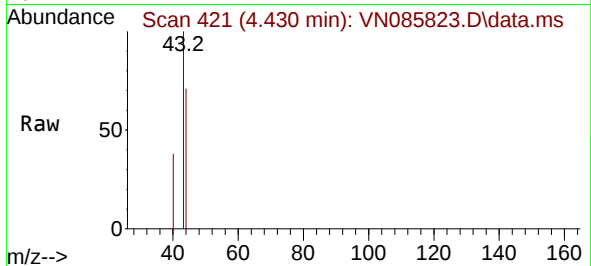




#16
Acetone
Concen: 0.745 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

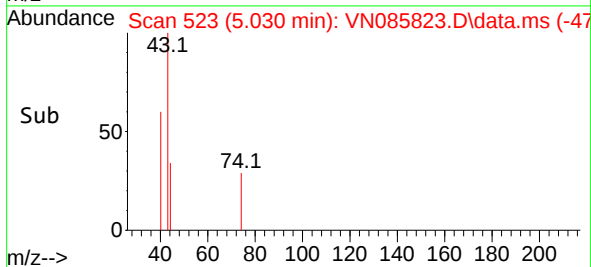
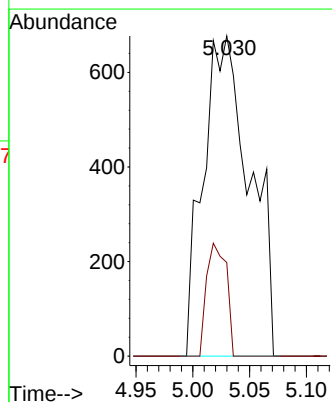
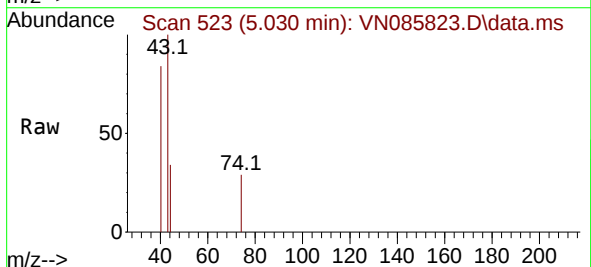
Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

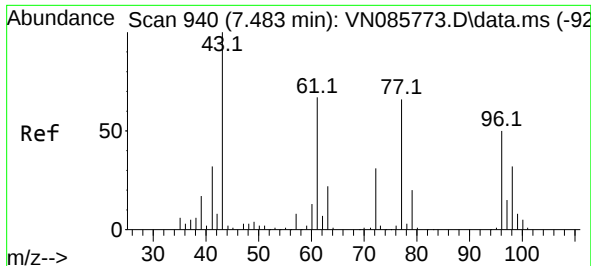
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
74 14.9 22.2 33.4#

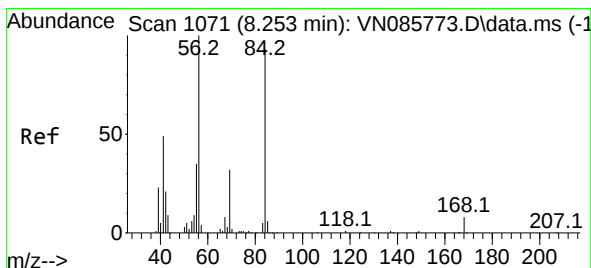
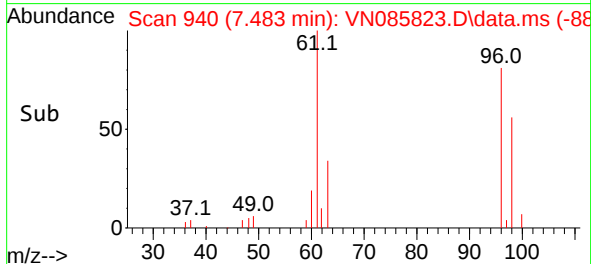
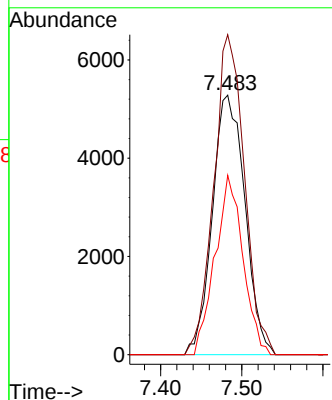
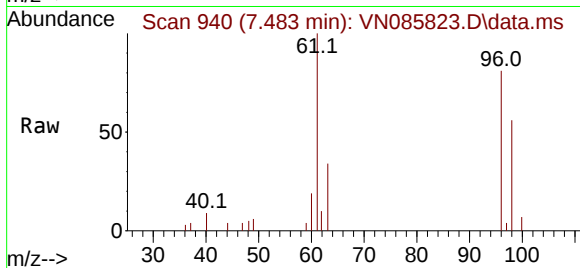




#27
 cis-1,2-Dichloroethene
 Concen: 4.369 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN085823.D
 Acq: 21 Feb 2025 23:25

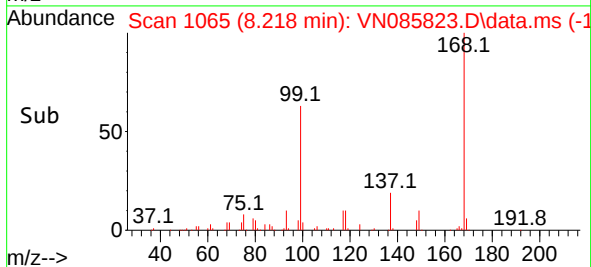
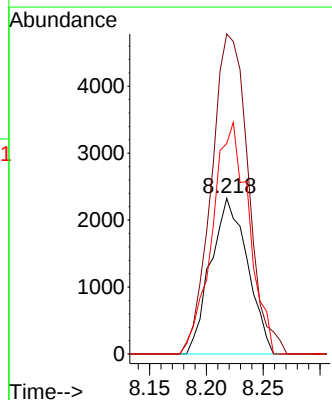
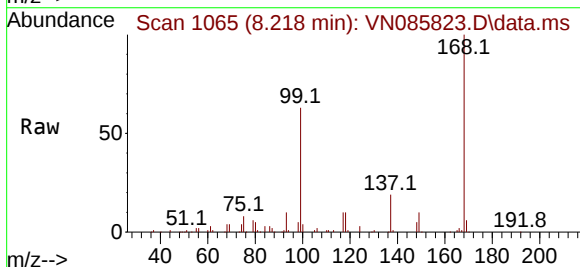
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20D-021325

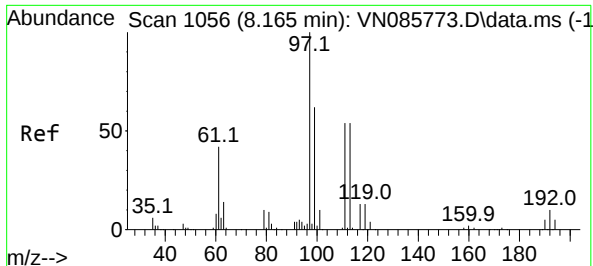
Tgt Ion: 96	Resp: 14727
Ion Ratio	Lower Upper
96 100	
61 115.8	0.0 280.6
98 59.2	0.0 128.6



#31
 Cyclohexane
 Concen: 1.149 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN085823.D
 Acq: 21 Feb 2025 23:25

Tgt Ion: 56	Resp: 5238		
Ion Ratio	Lower	Upper	
56	100		
69	205.6	25.8	38.6#
84	135.3	74.5	111.7#

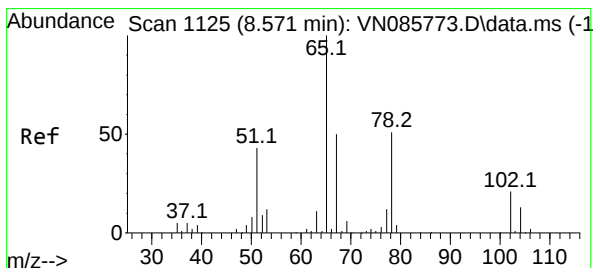
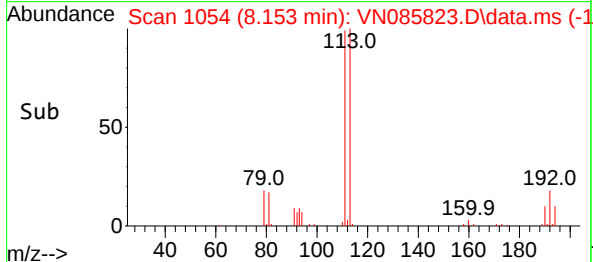
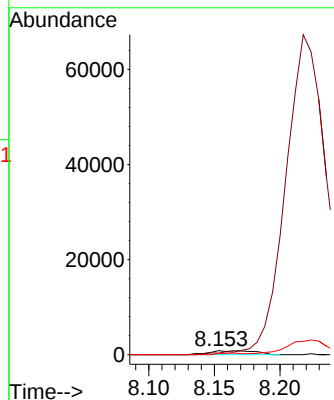
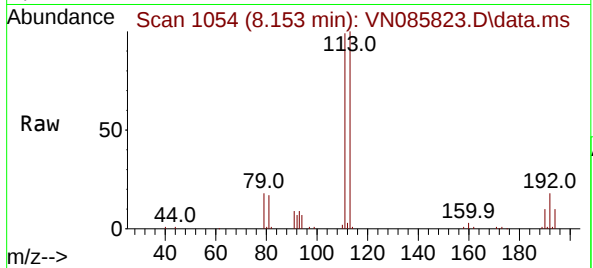




#32
 1,1,1-Trichloroethane
 Concen: 0.401 ug/l
 RT: 8.153 min Scan# 1054
 Delta R.T. -0.012 min
 Lab File: VN085823.D
 Acq: 21 Feb 2025 23:25

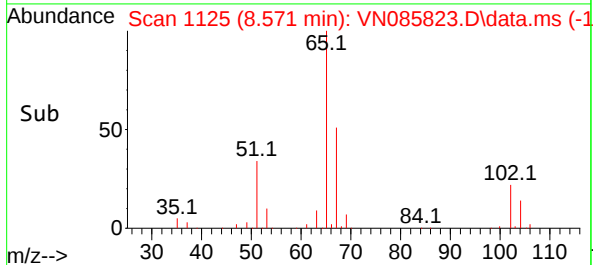
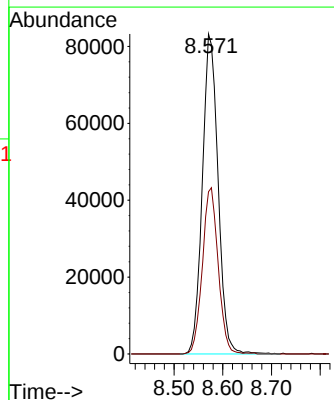
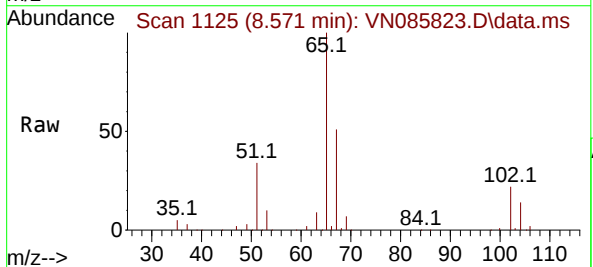
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20D-021325

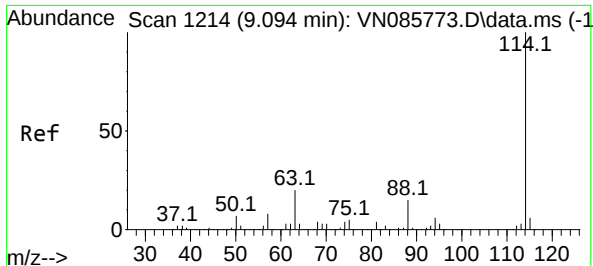
Tgt Ion: 97 Resp: 2031
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.4 75.6#
 61 18.9 35.5 53.3#



#33
 1,2-Dichloroethane-d4
 Concen: 58.376 ug/l
 RT: 8.571 min Scan# 1125
 Delta R.T. -0.000 min
 Lab File: VN085823.D
 Acq: 21 Feb 2025 23:25

Tgt Ion: 65 Resp: 186337
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085823.D

Acq: 21 Feb 2025 23:25

Instrument :

MSVOA_N

ClientSampleId :

MW-20D-021325

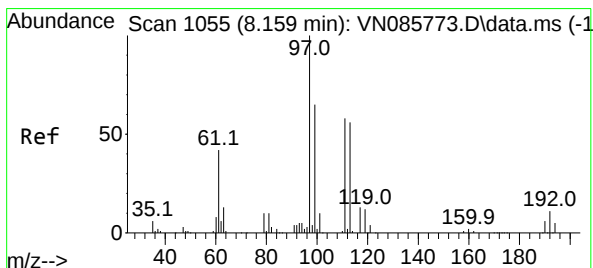
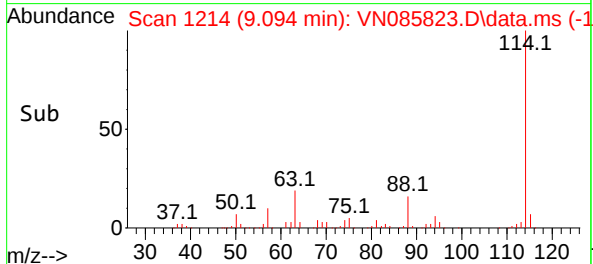
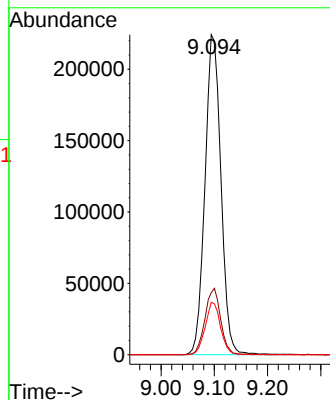
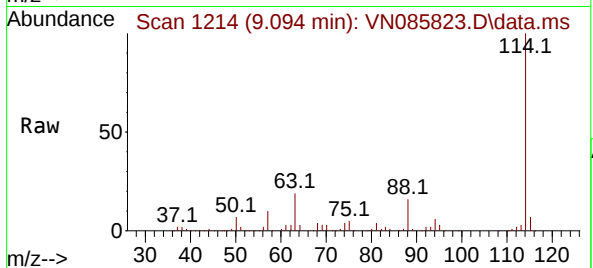
Tgt Ion:114 Resp: 467297

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 16.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.443 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085823.D

Acq: 21 Feb 2025 23:25

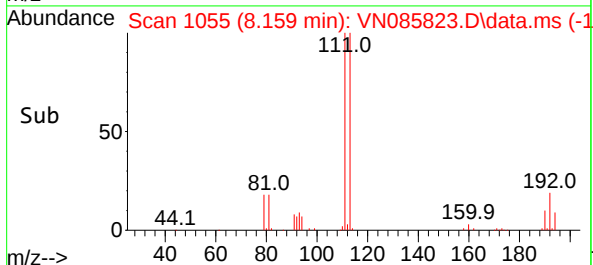
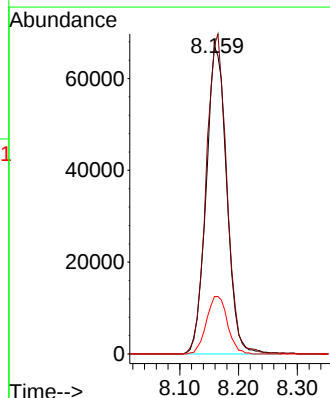
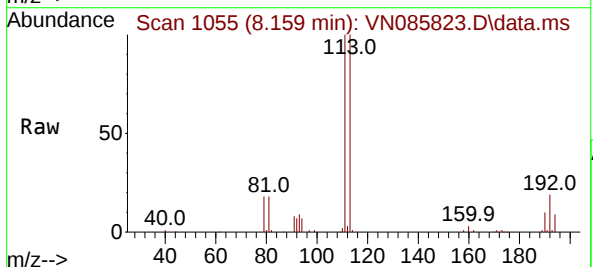
Tgt Ion:113 Resp: 163417

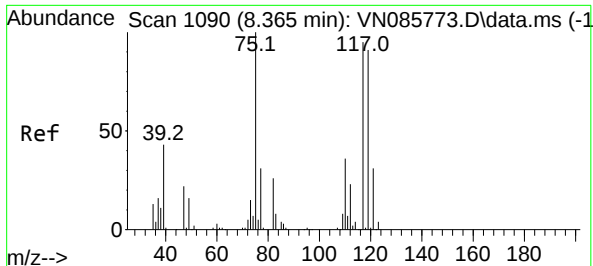
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.1 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.788 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085823.D

Acq: 21 Feb 2025 23:25

Instrument :

MSVOA_N

ClientSampleId :

MW-20D-021325

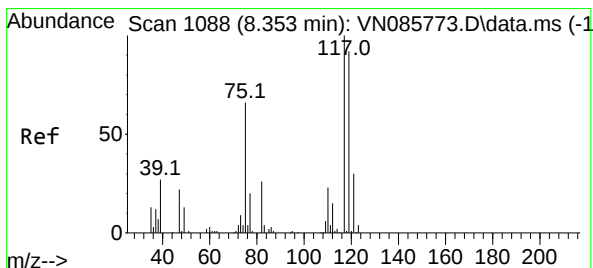
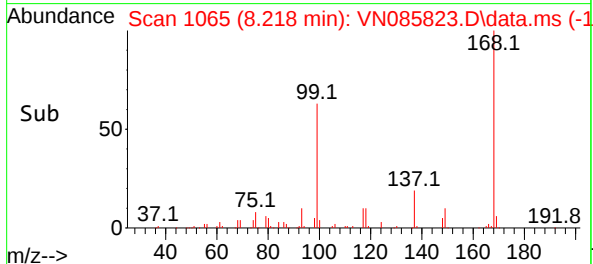
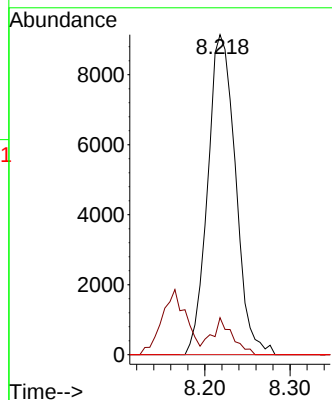
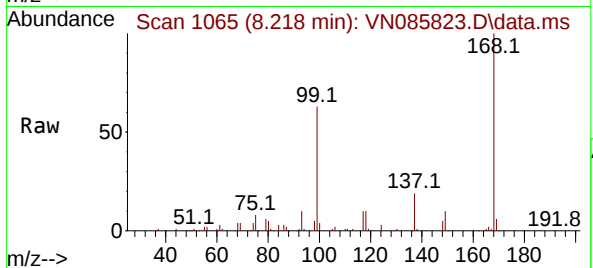
Tgt Ion: 75 Resp: 20721

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085823.D

Acq: 21 Feb 2025 23:25

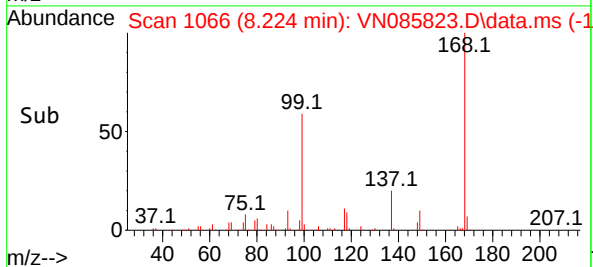
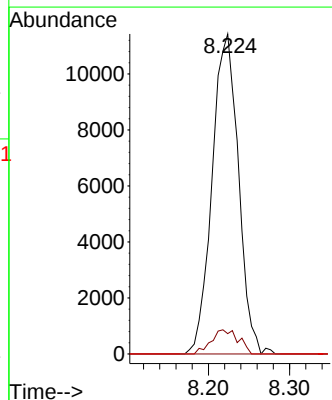
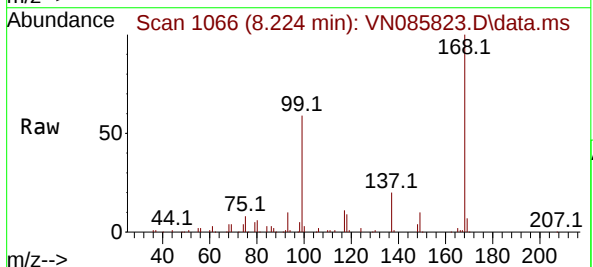
Tgt Ion: 117 Resp: 25771

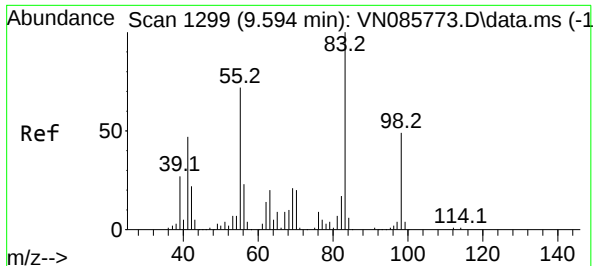
Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.6#

121 0.0 24.3 36.5#





#39

Methylcyclohexane

Concen: 0.248 ug/l

RT: 9.341 min Scan# 1125

Delta R.T. -0.253 min

Lab File: VN085823.D

Acq: 21 Feb 2025 23:25

Instrument :

MSVOA_N

ClientSampleId :

MW-20D-021325

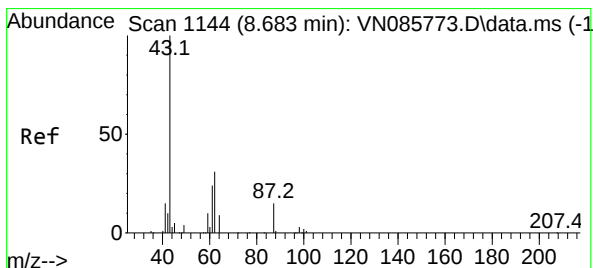
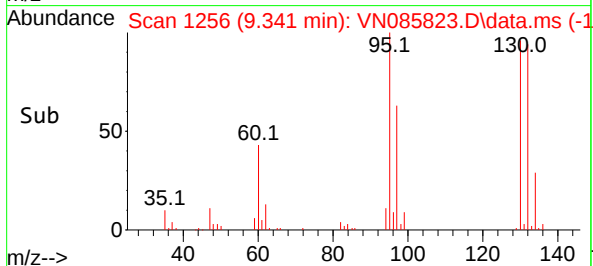
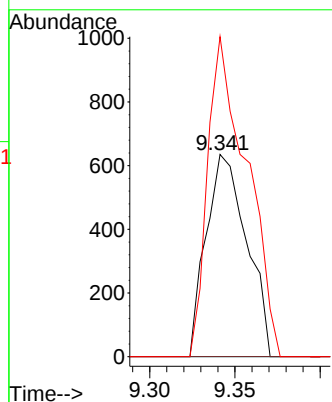
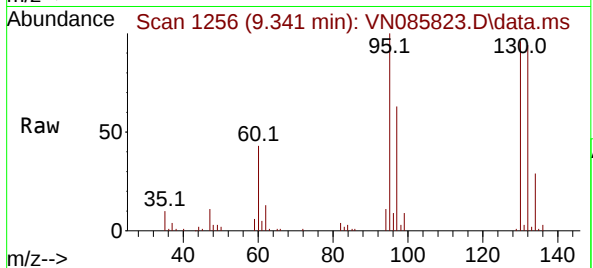
Tgt Ion: 83 Resp: 1053

Ion Ratio Lower Upper

83 100

55 0.0 57.5 86.3#

98 158.3 39.2 58.8#



#43

Isopropyl Acetate

Concen: 1.104 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VN085823.D

Acq: 21 Feb 2025 23:25

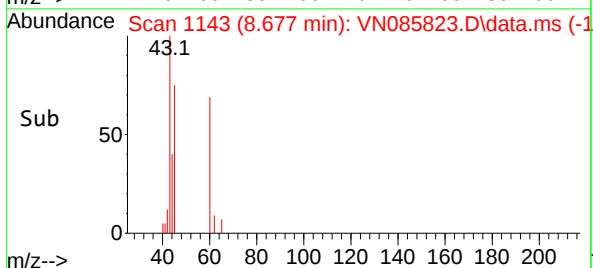
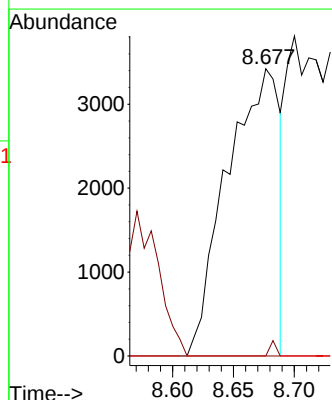
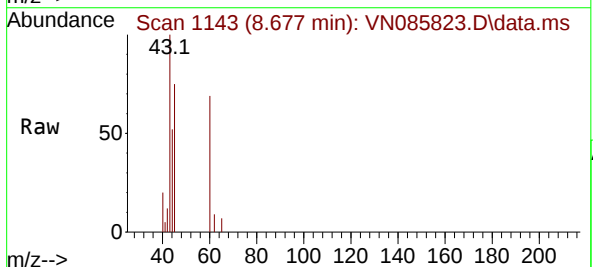
Tgt Ion: 43 Resp: 10242

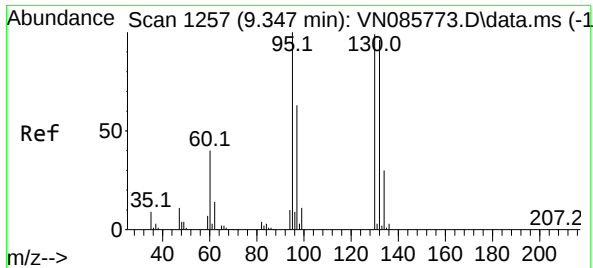
Ion Ratio Lower Upper

43 100

61 0.0 22.6 34.0#

87 0.0 11.8 17.8#

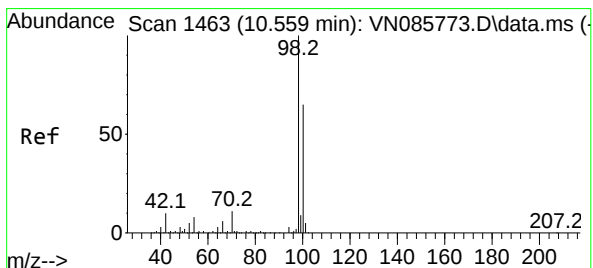
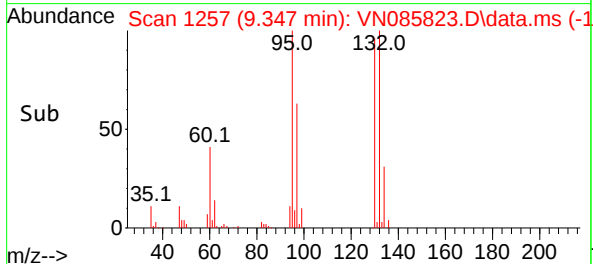
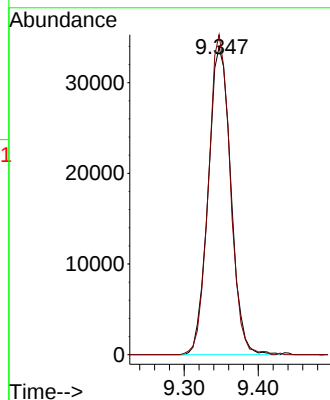
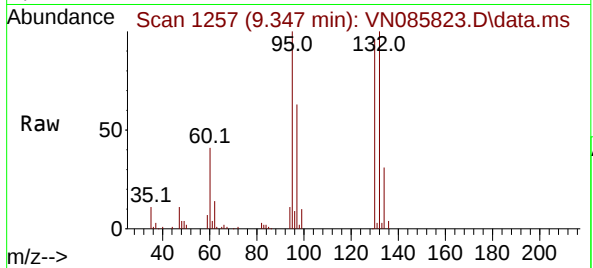




#44
Trichloroethene
Concen: 21.106 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

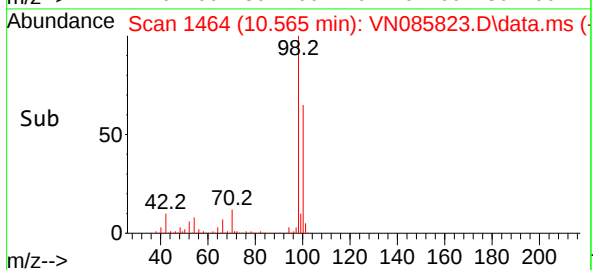
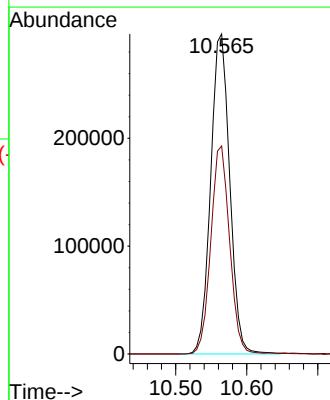
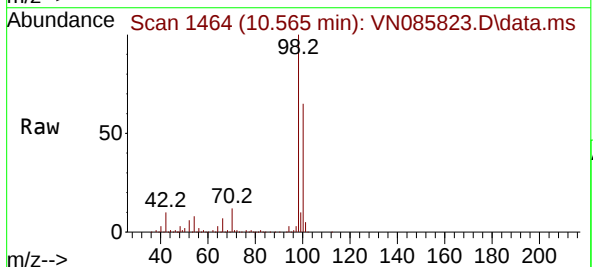
Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

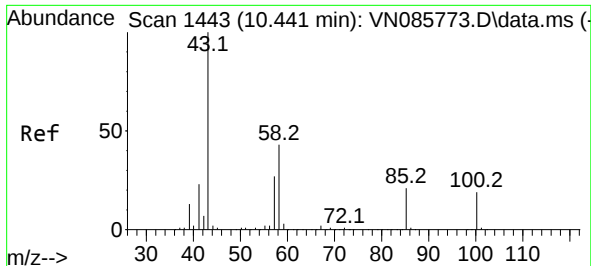
Tgt Ion:130 Resp: 71876
Ion Ratio Lower Upper
130 100
95 104.1 0.0 202.6



#50
Toluene-d8
Concen: 49.720 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Tgt Ion: 98 Resp: 553144
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

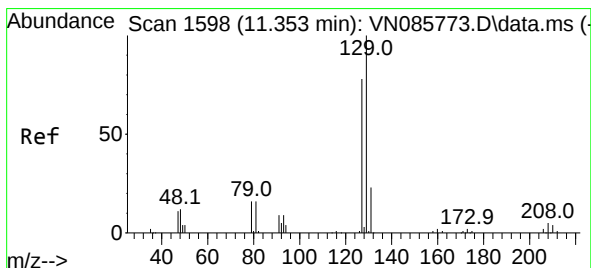
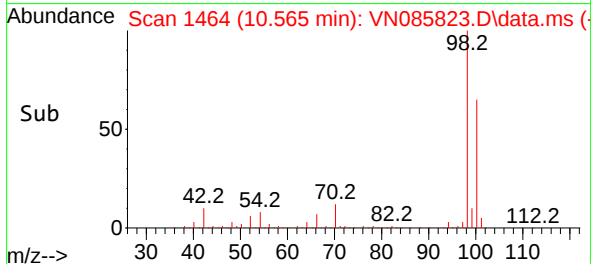
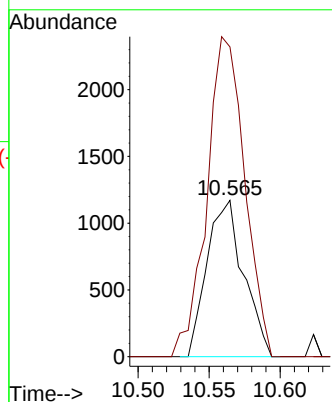
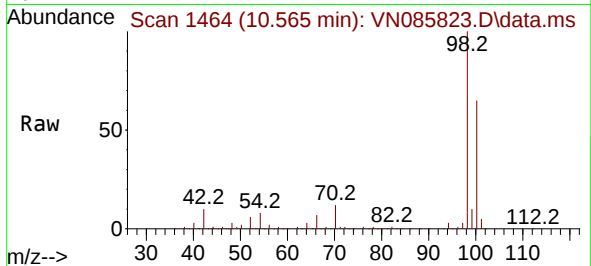




#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

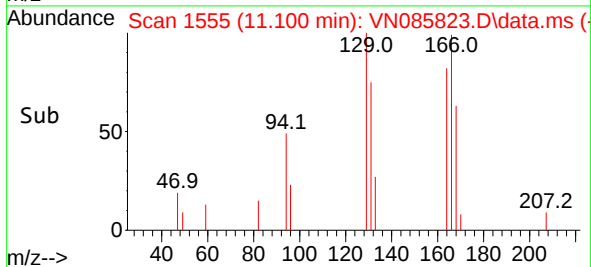
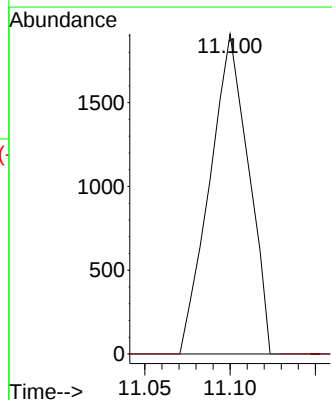
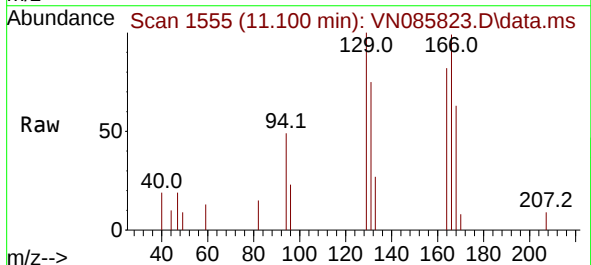
Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

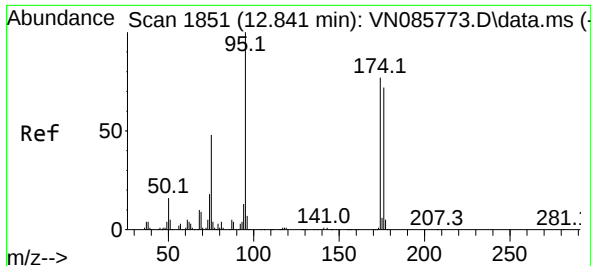
Tgt Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
58 211.6 34.6 52.0#



#60
Dibromochloromethane
Concen: 0.803 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.253 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Tgt Ion: 129 Resp: 3022
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#

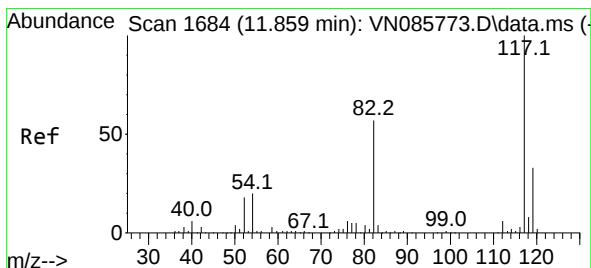
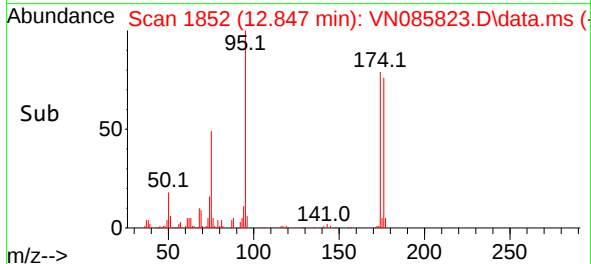
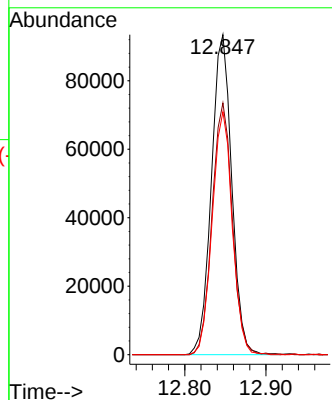
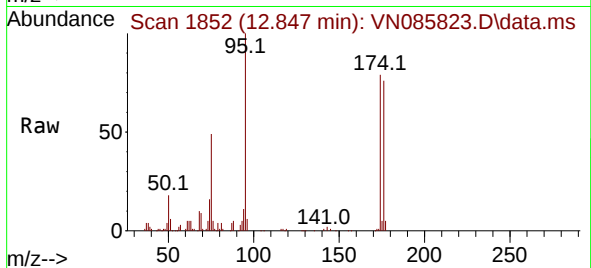




#62
4-Bromofluorobenzene
Concen: 44.351 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

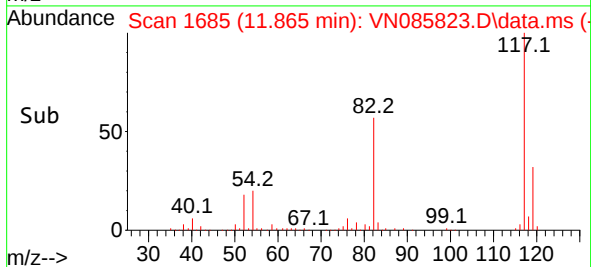
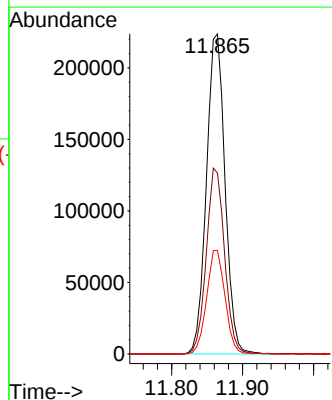
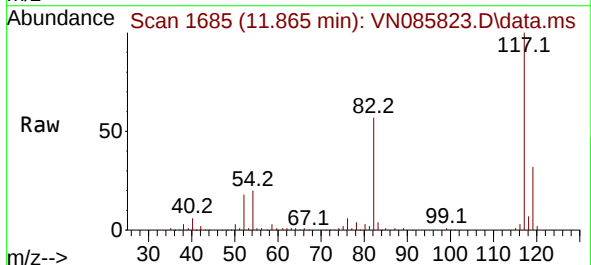
Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

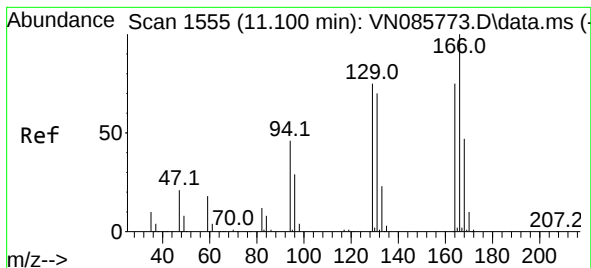
Tgt Ion: 95 Resp: 162566
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.4
176 74.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Tgt Ion: 117 Resp: 407537
Ion Ratio Lower Upper
117 100
82 56.5 45.7 68.5
119 32.4 26.2 39.2





#64

Tetrachloroethene

Concen: 0.913 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085823.D

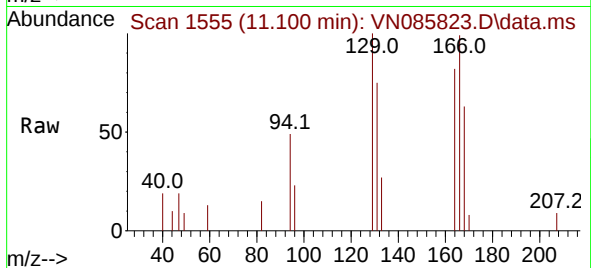
Acq: 21 Feb 2025 23:25

Instrument :

MSVOA_N

ClientSampleId :

MW-20D-021325



Tgt Ion:164 Resp: 2884

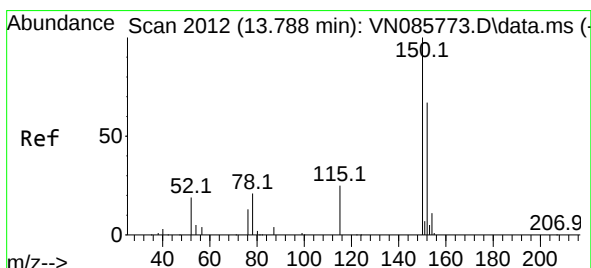
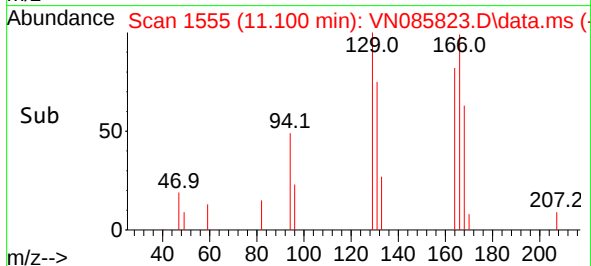
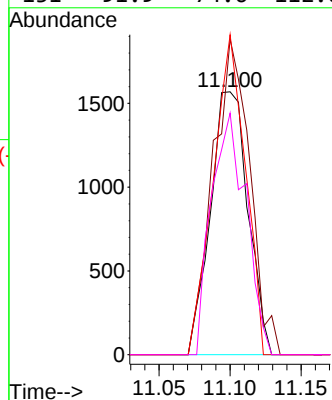
Ion Ratio Lower Upper

164 100

166 120.1 107.2 160.8

129 121.7 80.7 121.1#

131 91.9 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: VN085823.D

Acq: 21 Feb 2025 23:25

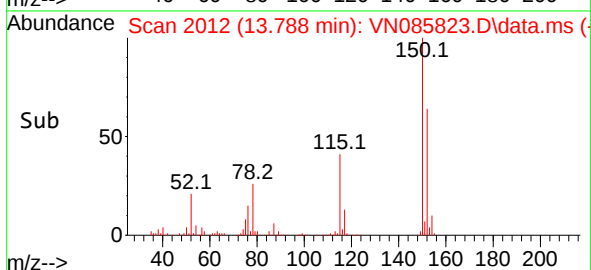
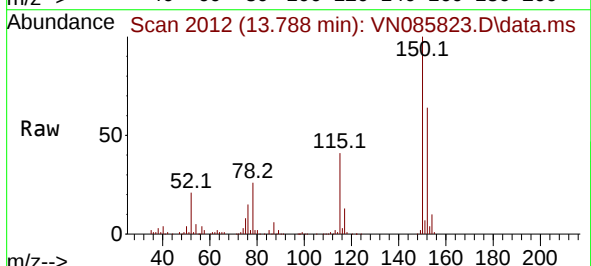
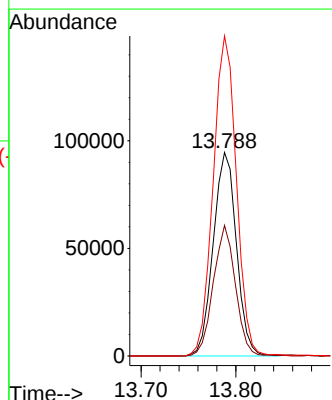
Tgt Ion:152 Resp: 161122

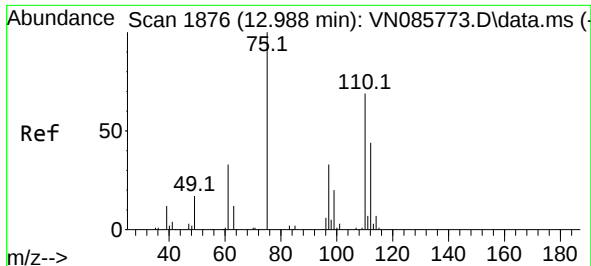
Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.3

150 157.4 0.0 345.4

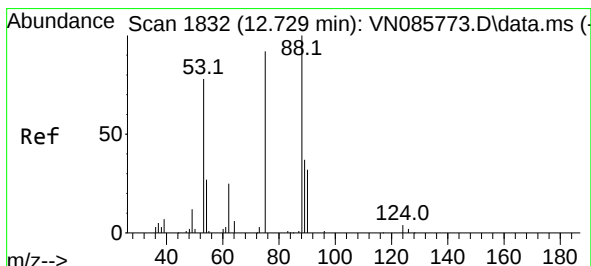
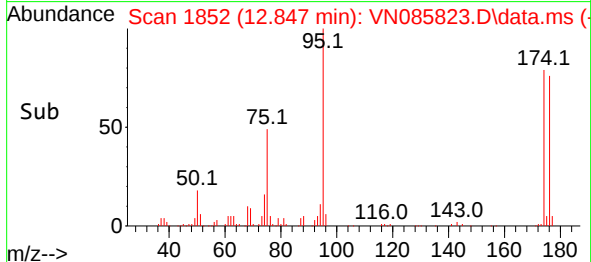
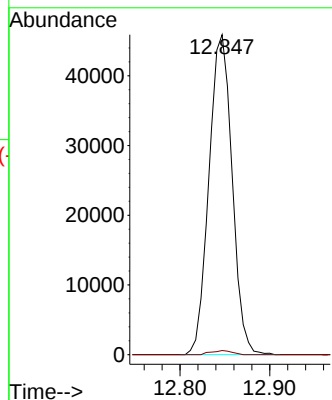
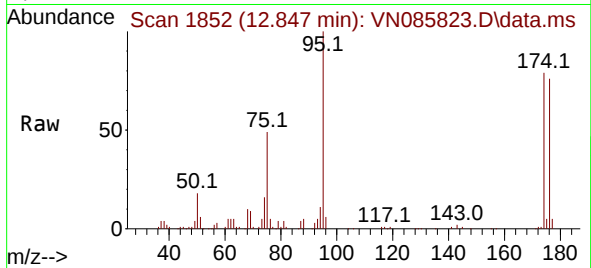




#76
1,2,3-Trichloropropane
Concen: 22.981 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Instrument :
MSVOA_N
ClientSampleId :
MW-20D-021325

Tgt Ion: 75 Resp: 82250
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.053 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085823.D
Acq: 21 Feb 2025 23:25

Tgt Ion: 75 Resp: 82250
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

