

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083857.D
 Acq On : 13 Sep 2024 06:36
 Operator : JC\MD
 Sample : P3957-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20240910

Quant Time: Sep 13 07:46:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

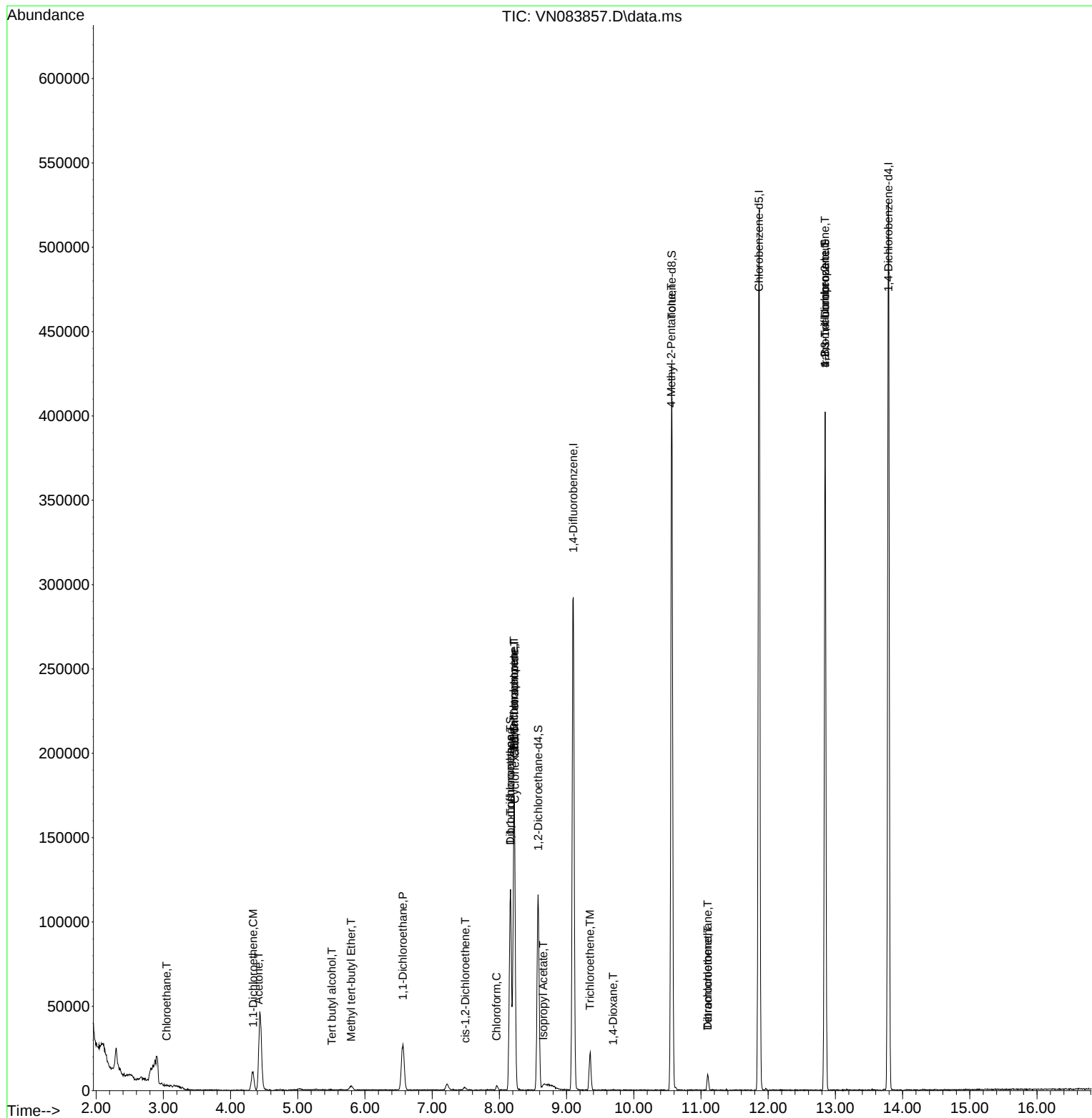
Internal Standards						
1) Pentafluorobenzene	8.218	168	117400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98986	55.917	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.840%			
35) Dibromofluoromethane	8.165	113	77588	48.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.400%			
50) Toluene-d8	10.565	98	279630	50.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.847	95	135472	59.612	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.220%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	767	Below Cal		90
6) Chloroethane	3.048	64	662	0.632 ug/l #		45
11) Tert butyl alcohol	5.506	59	72	0.304 ug/l #		71
12) 1,1-Dichloroethene	4.336	96	6858	5.401 ug/l #		73
16) Acetone	4.418	43	689	0.971 ug/l #		45
18) Methyl Acetate	5.030	43	1840	Below Cal #		59
19) Methyl tert-butyl Ether	5.794	73	4787	1.042 ug/l		96
24) 1,1-Dichloroethane	6.565	63	39478	14.712 ug/l		98
27) cis-1,2-Dichloroethene	7.494	96	1046	0.648 ug/l		85
30) Chloroform	7.959	83	2631	0.924 ug/l		87
31) Cyclohexane	8.230	56	3172	1.240 ug/l #		22
32) 1,1,1-Trichloroethane	8.165	97	6095	2.327 ug/l #		87
36) 1,1-Dichloropropene	8.218	75	11172	4.659 ug/l #		44
38) Carbon Tetrachloride	8.224	117	14395	5.291 ug/l #		15
43) Isopropyl Acetate	8.653	43	2333	0.591 ug/l #		57
44) Trichloroethene	9.347	130	7555	4.520 ug/l		92
49) 1,4-Dioxane	9.694	88	55	1.786 ug/l #		14
51) 4-Methyl-2-Pentanone	10.559	43	1552	0.723 ug/l #		1
60) Dibromochloromethane	11.100	129	2035	1.103 ug/l #		10
64) Tetrachloroethene	11.100	164	2059	1.104 ug/l #		86
76) 1,2,3-Trichloropropane	12.847	75	76697	28.403 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	76697	74.390 ug/l #		9

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

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MW203D1-20240910

Quant Time: Sep 13 07:46:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

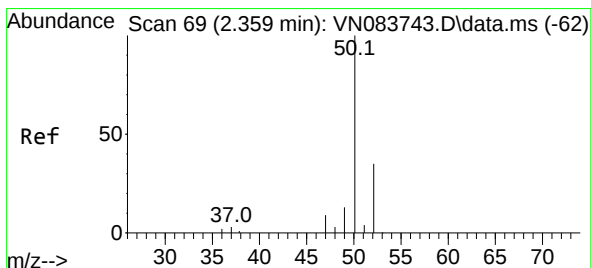
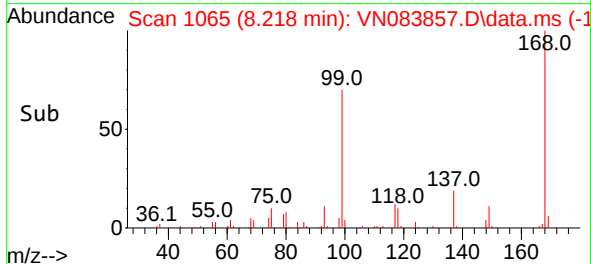
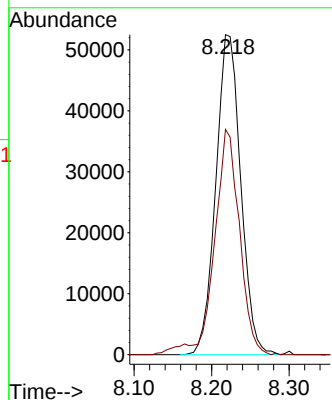
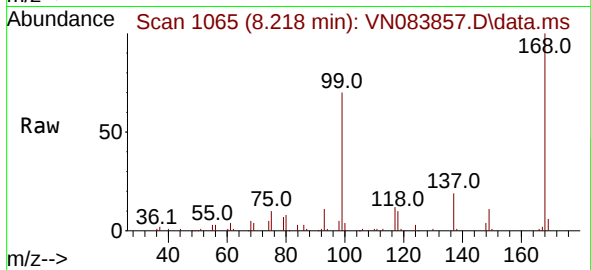




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

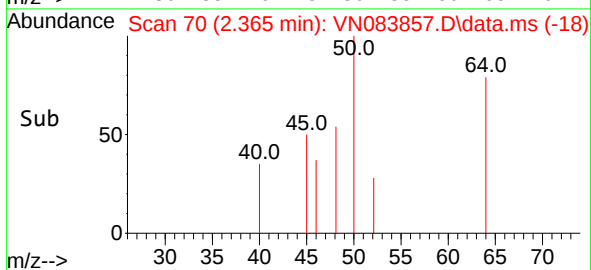
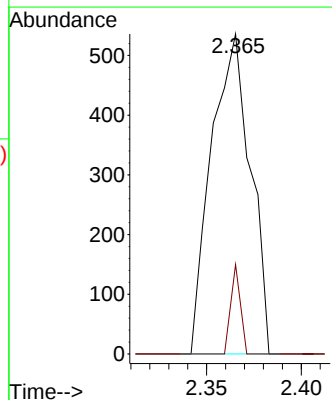
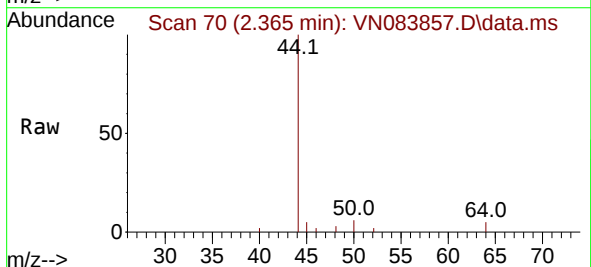
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

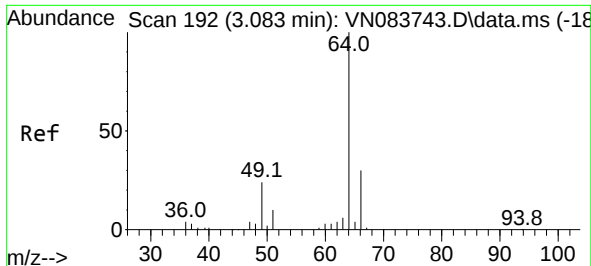
Tgt Ion:168 Resp: 117400
Ion Ratio Lower Upper
168 100
99 70.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 50 Resp: 767
Ion Ratio Lower Upper
50 100
52 28.0 27.2 40.8

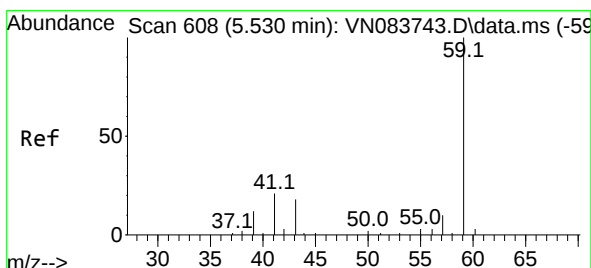
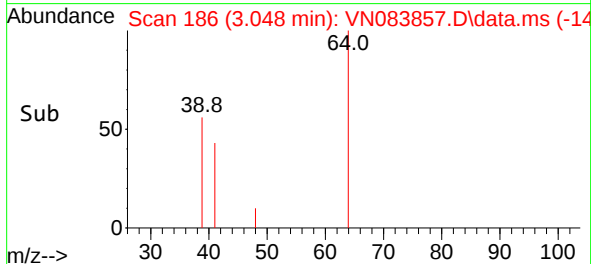
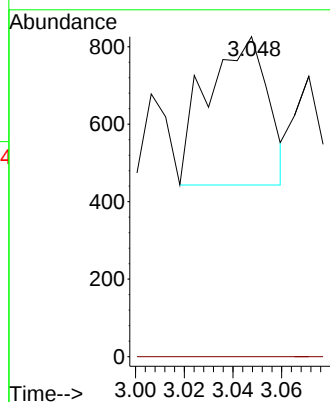
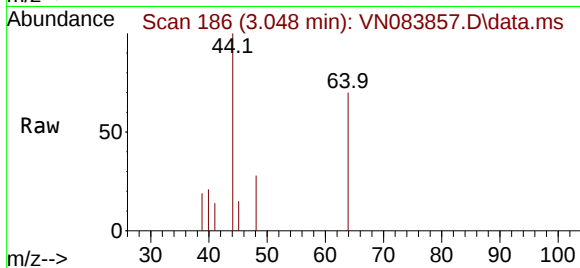




#6
Chloroethane
Concen: 0.632 ug/l
RT: 3.048 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

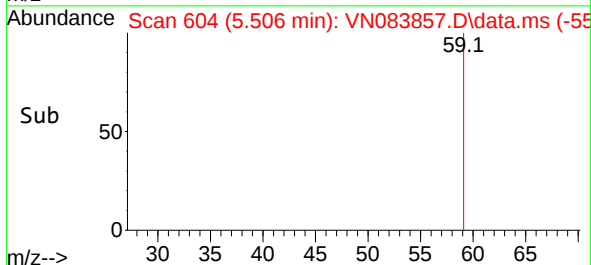
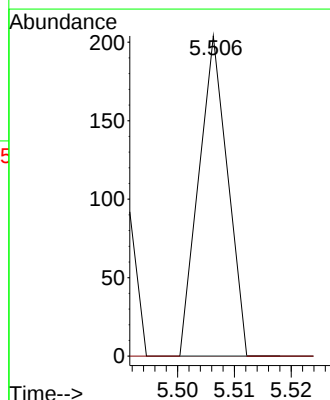
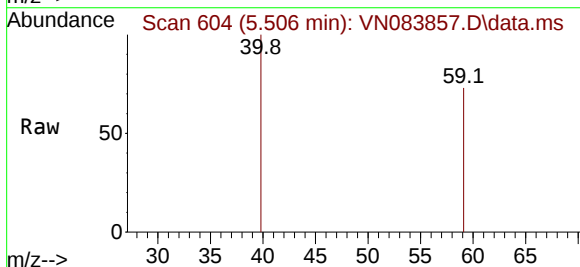
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

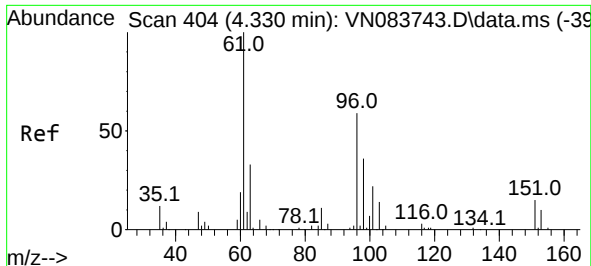
Tgt Ion: 64 Resp: 662
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.304 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#12

1,1-Dichloroethene

Concen: 5.401 ug/l

RT: 4.336 min Scan# 404

Delta R.T. 0.006 min

Lab File: VN083857.D

Acq: 13 Sep 2024 06:36

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20240910

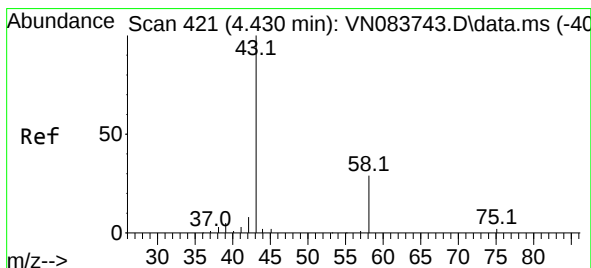
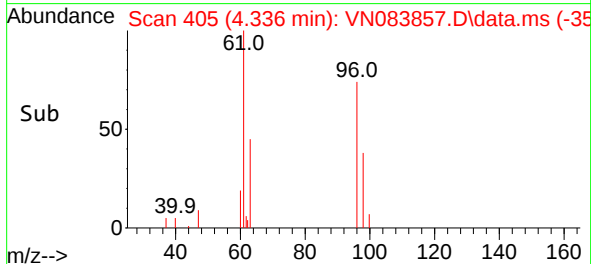
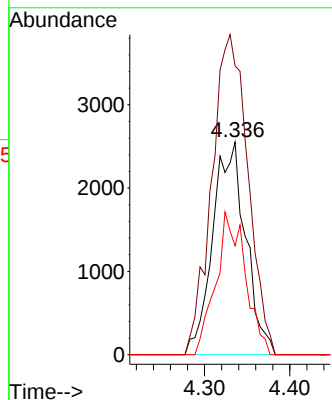
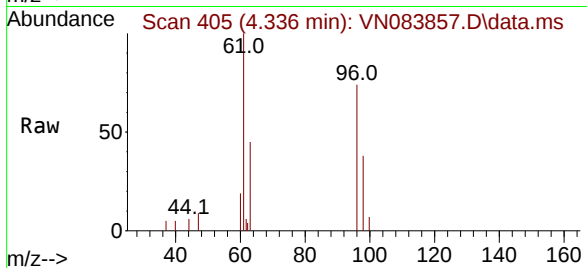
Tgt Ion: 96 Resp: 6858

Ion Ratio Lower Upper

96 100

61 135.9 143.4 215.0#

98 51.3 52.7 79.1#



#16

Acetone

Concen: 0.971 ug/l

RT: 4.418 min Scan# 419

Delta R.T. -0.012 min

Lab File: VN083857.D

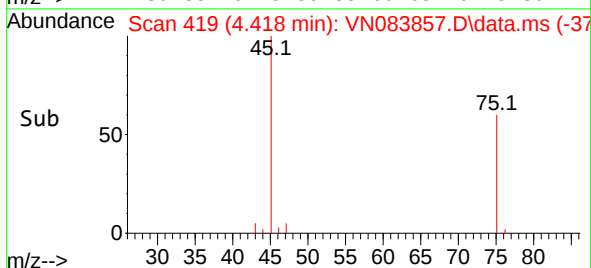
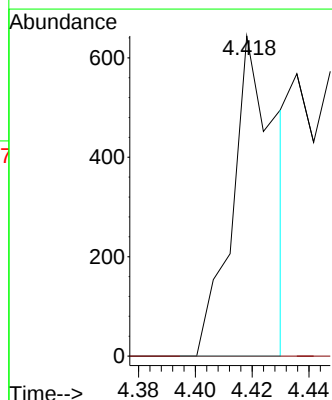
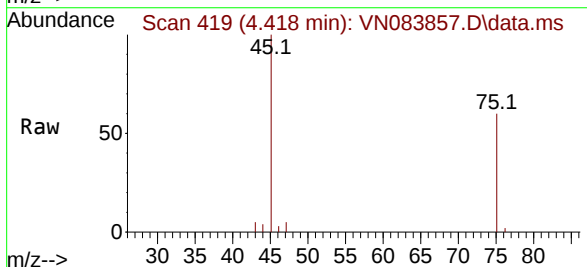
Acq: 13 Sep 2024 06:36

Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN083857.D

Acq: 13 Sep 2024 06:36

Instrument :

MSVOA_N

ClientSampleId :

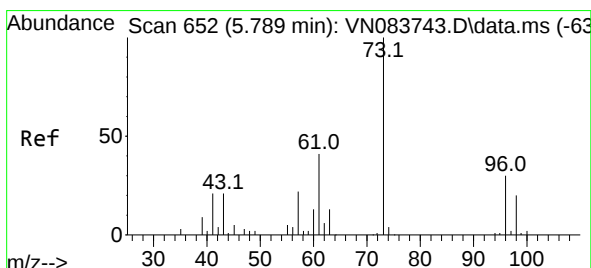
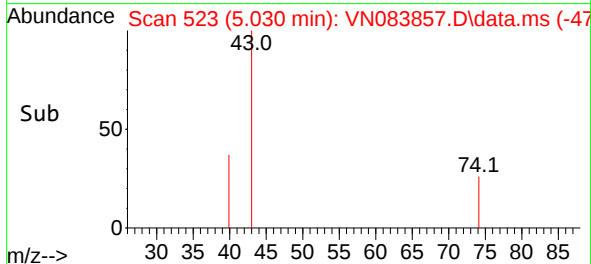
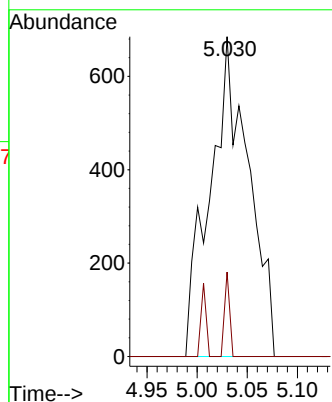
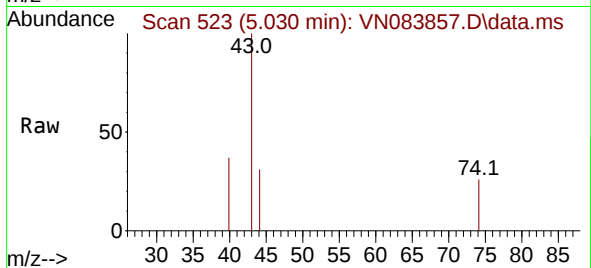
MW203D1-20240910

Tgt Ion: 43 Resp: 1840

Ion Ratio Lower Upper

43 100

74 3.5 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 1.042 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN083857.D

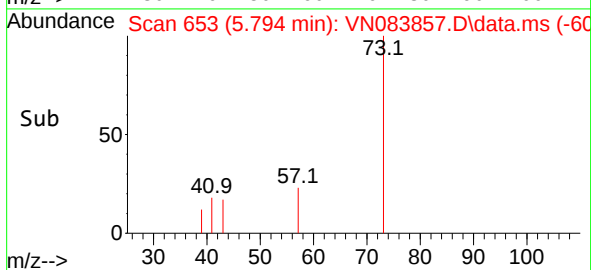
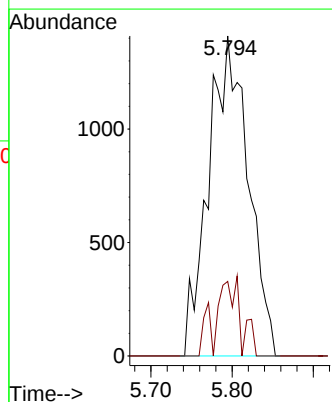
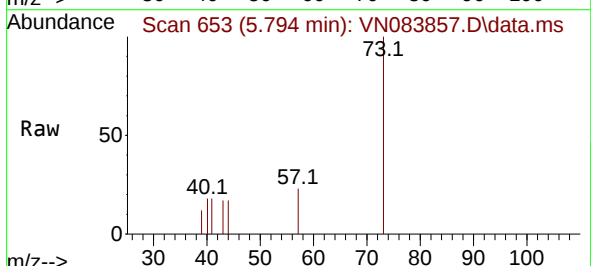
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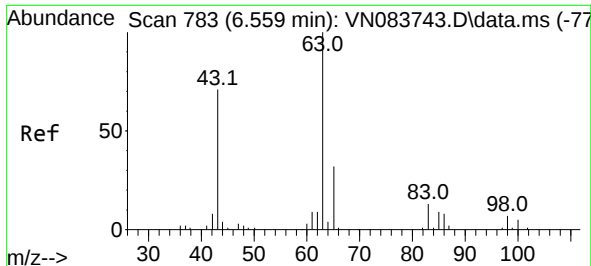
Tgt Ion: 73 Resp: 4787

Ion Ratio Lower Upper

73 100

57 23.3 17.0 25.6

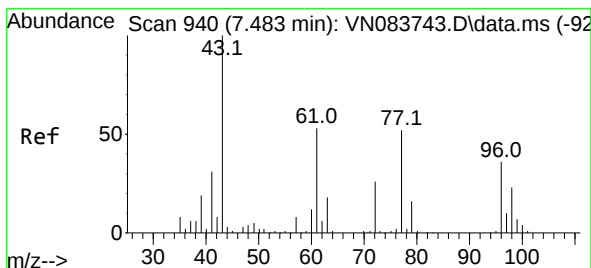
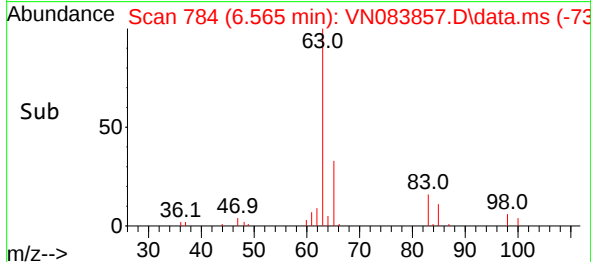
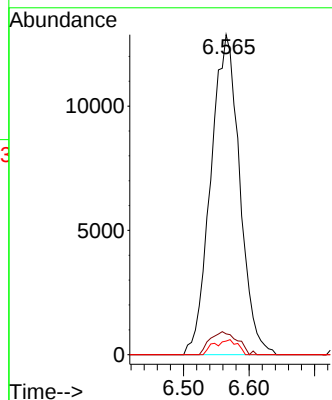
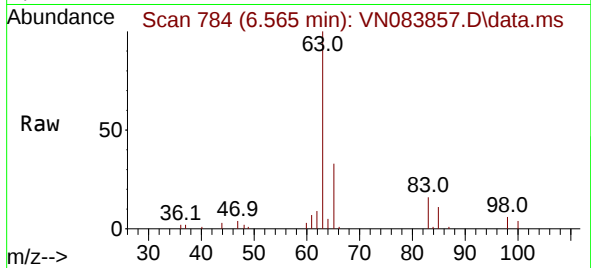




#24
1,1-Dichloroethane
Concen: 14.712 ug/l
RT: 6.565 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

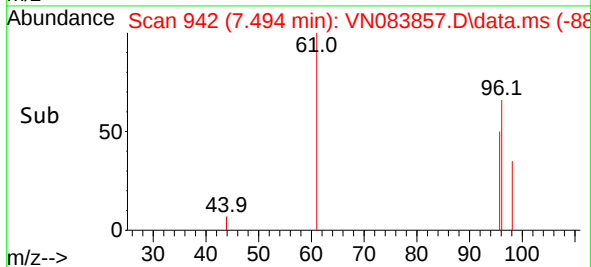
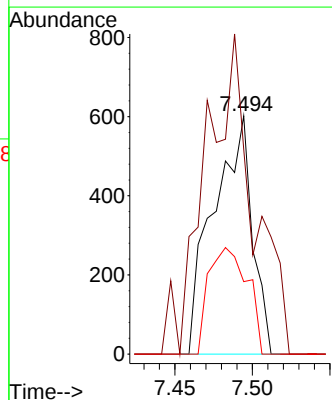
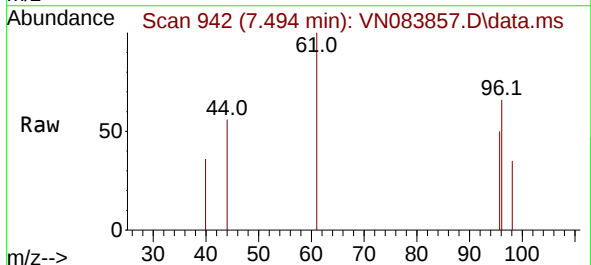
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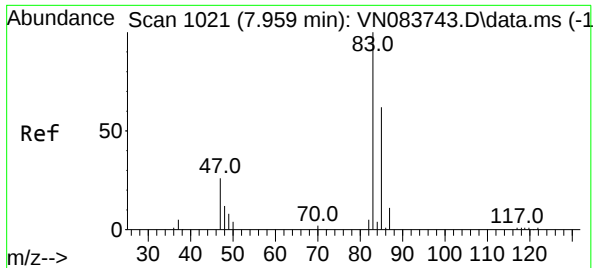
Tgt Ion: 63 Resp: 39478
Ion Ratio Lower Upper
63 100
98 6.5 3.5 10.4
100 4.3 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 0.648 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 96 Resp: 1046
Ion Ratio Lower Upper
96 100
61 167.8 0.0 306.2
98 44.7 0.0 128.6

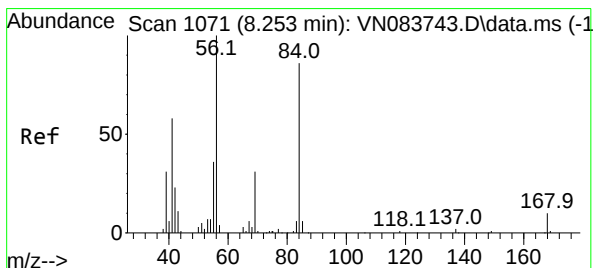
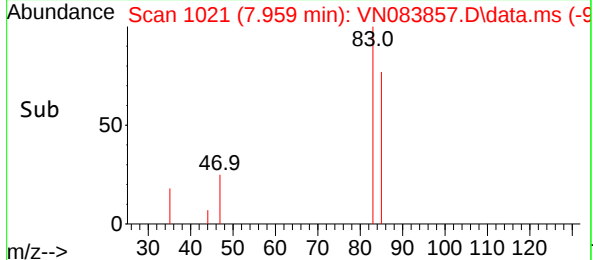
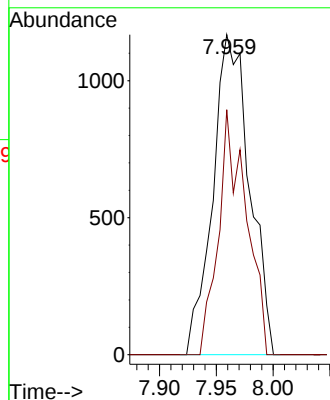
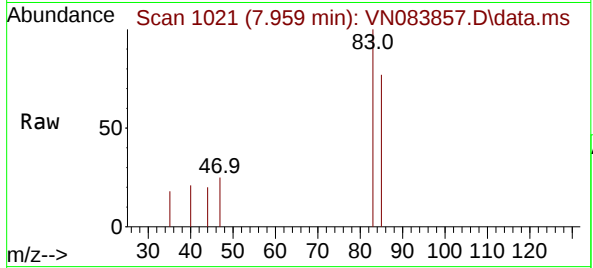




#30
Chloroform
Concen: 0.924 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

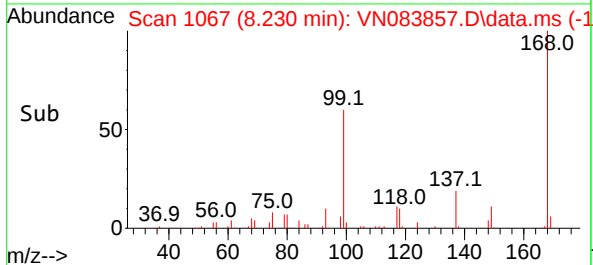
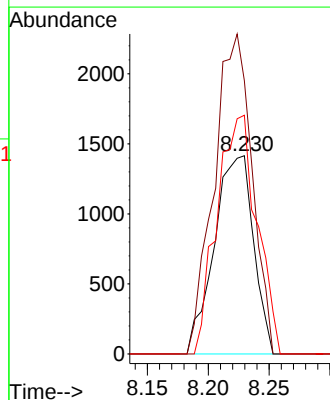
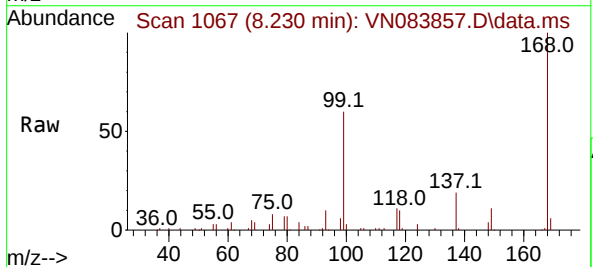
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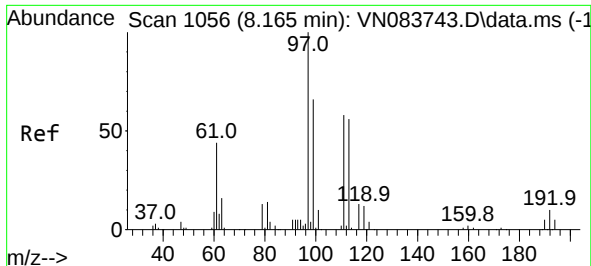
Tgt Ion: 83 Resp: 2631
Ion Ratio Lower Upper
83 100
85 76.5 52.8 79.2



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 56 Resp: 3172
Ion Ratio Lower Upper
56 100
69 137.9 26.9 40.3#
84 120.5 69.2 103.8#

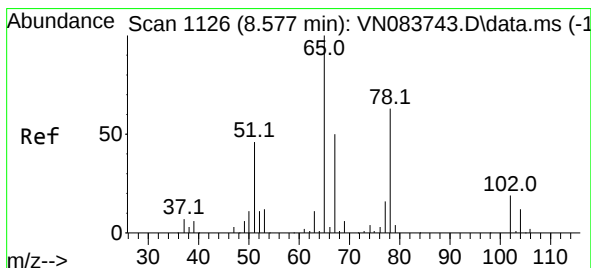
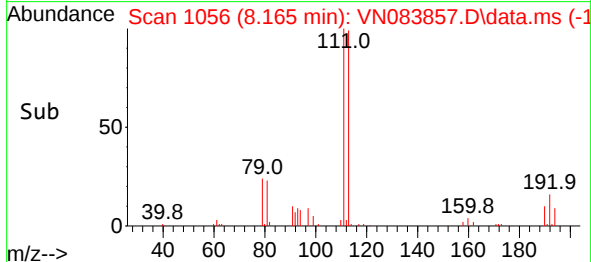
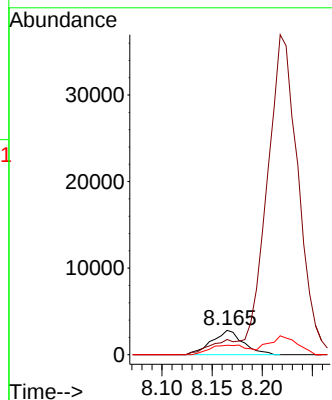
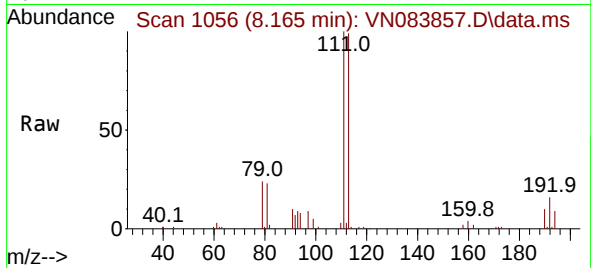




#32
1,1,1-Trichloroethane
Concen: 2.327 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

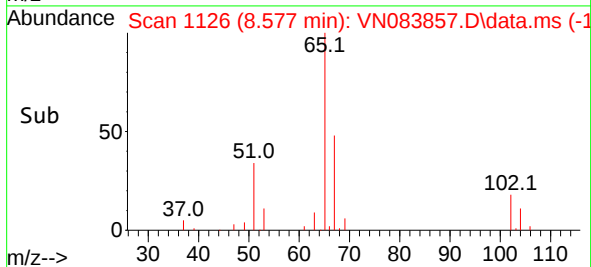
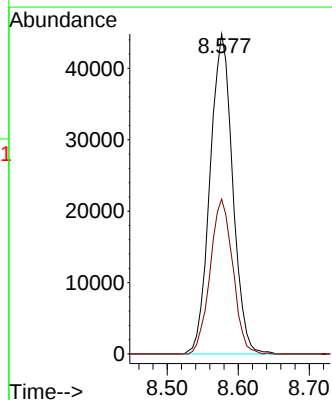
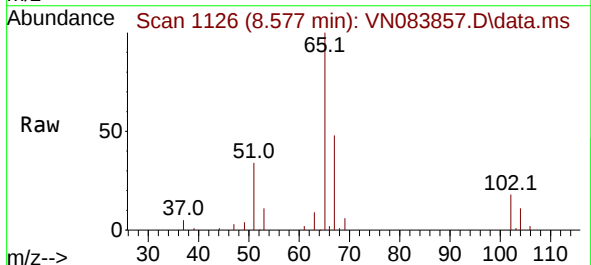
Instrument :
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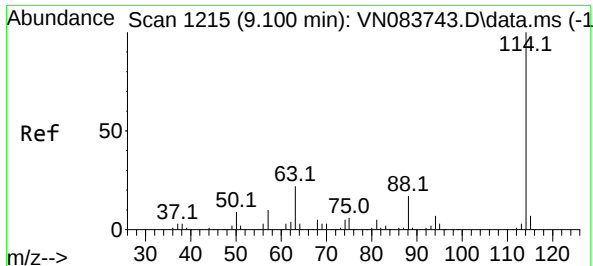
Tgt Ion: 97 Resp: 6095
Ion Ratio Lower Upper
97 100
99 48.1 52.3 78.5#
61 48.9 38.2 57.2



#33
1,2-Dichloroethane-d4
Concen: 55.917 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 65 Resp: 98986
Ion Ratio Lower Upper
65 100
67 48.5 0.0 100.8

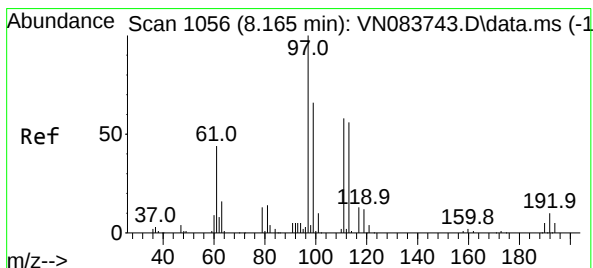
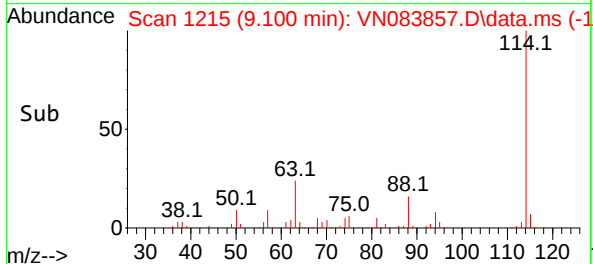
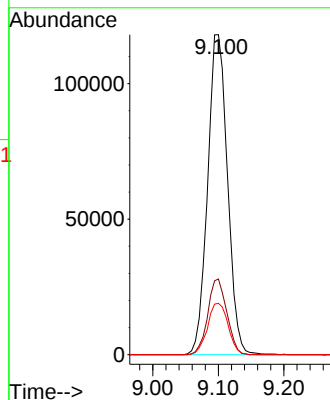
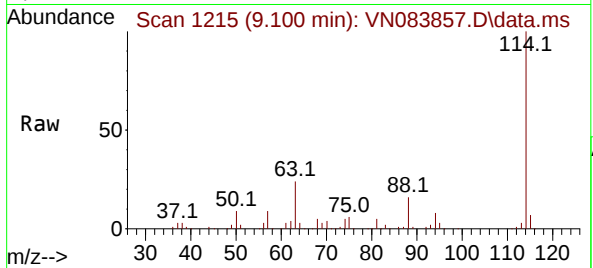




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

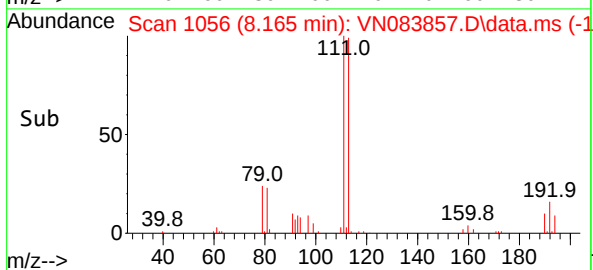
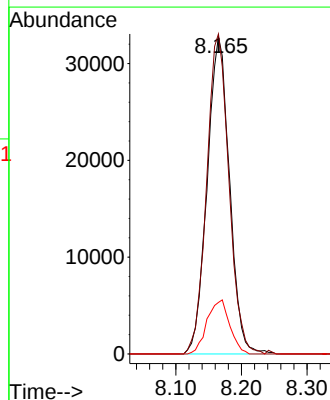
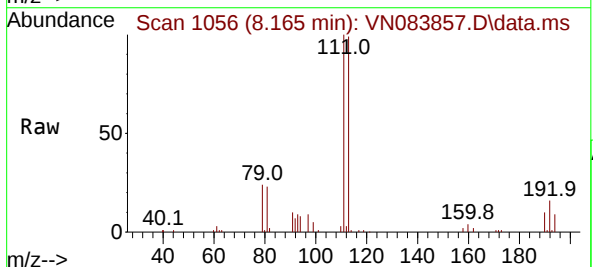
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

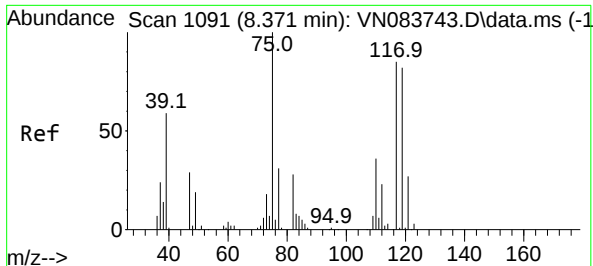
Tgt Ion:114 Resp: 248884
Ion Ratio Lower Upper
114 100
63 23.6 0.0 43.4
88 16.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.696 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion:113 Resp: 77588
Ion Ratio Lower Upper
113 100
111 100.4 82.6 124.0
192 17.3 14.3 21.5

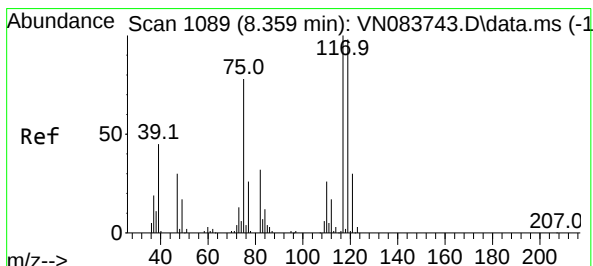
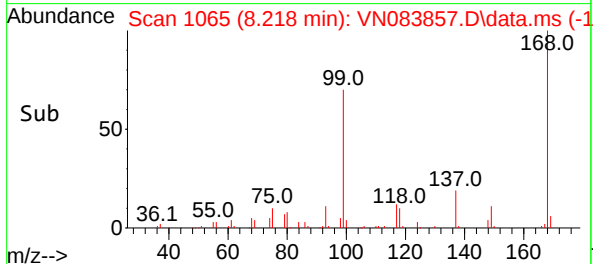
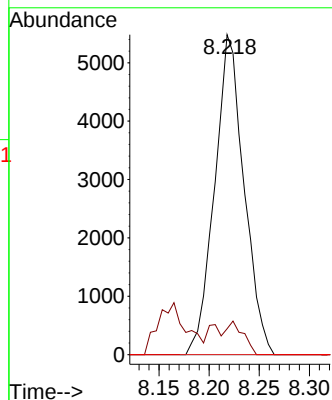
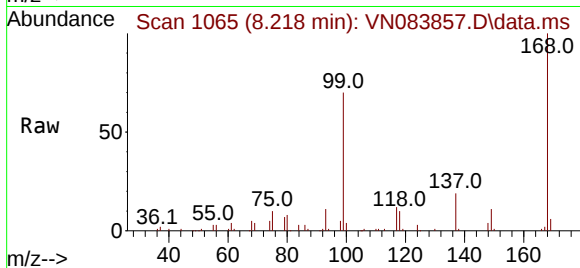




#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

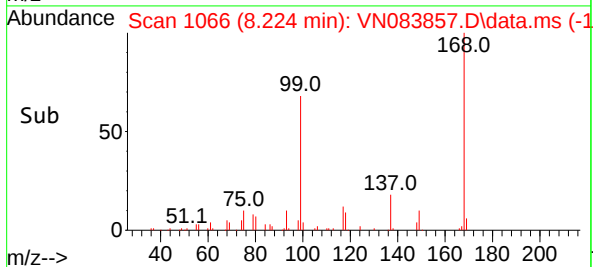
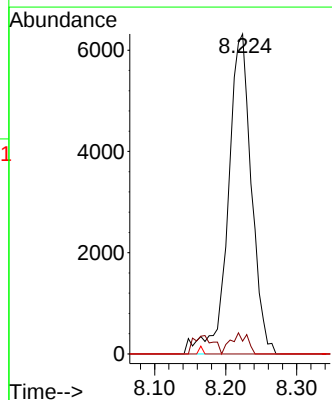
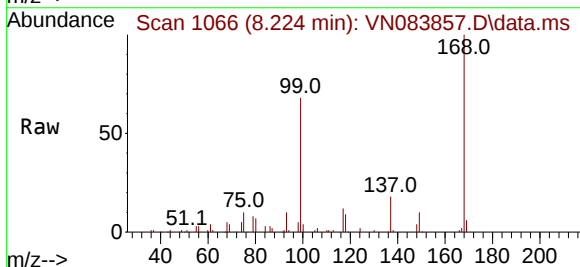
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

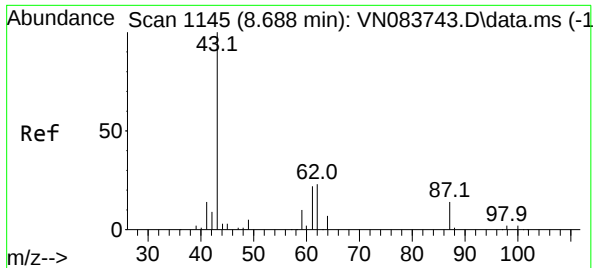
Tgt Ion: 75 Resp: 11172
Ion Ratio Lower Upper
75 100
110 2.3 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 117 Resp: 14395
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.1 36.1#

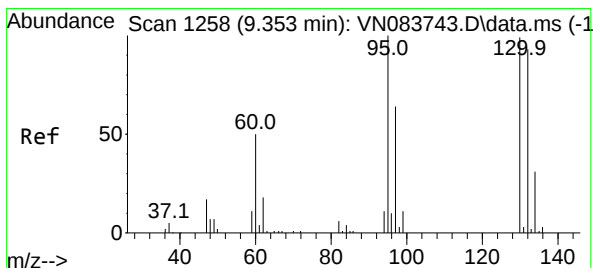
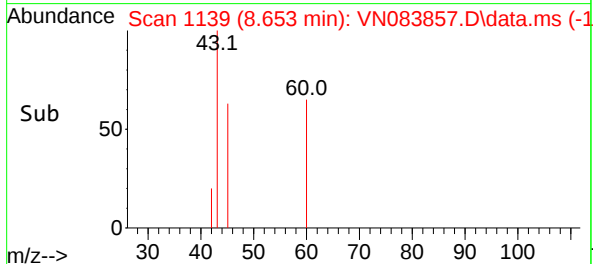
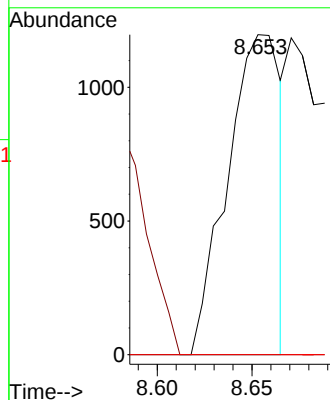
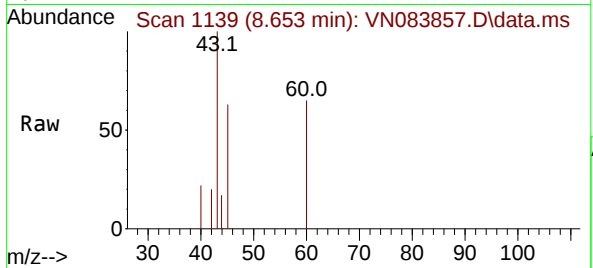




#43
Isopropyl Acetate
Concen: 0.591 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.035 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

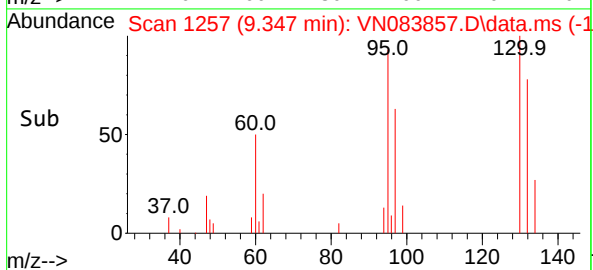
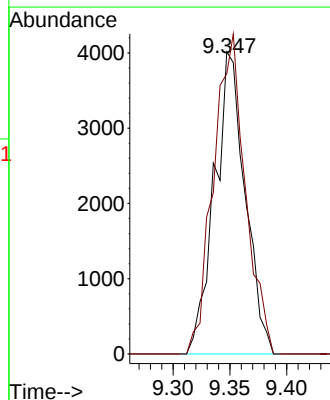
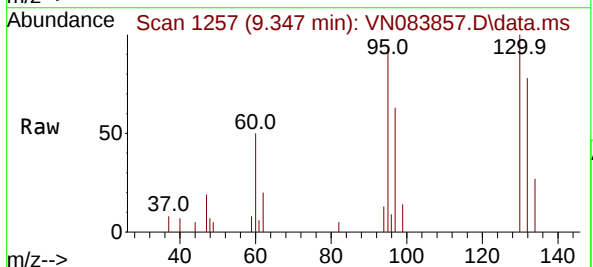
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

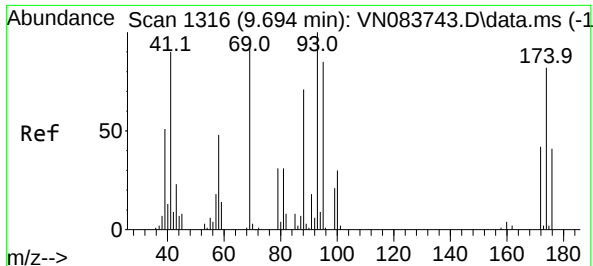
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 4.520 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion:130 Resp: 7555
Ion Ratio Lower Upper
130 100
95 92.7 0.0 200.4





#49

1,4-Dioxane

Concen: 1.786 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083857.D

Acq: 13 Sep 2024 06:36

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20240910

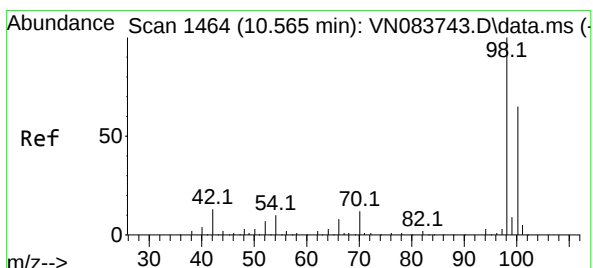
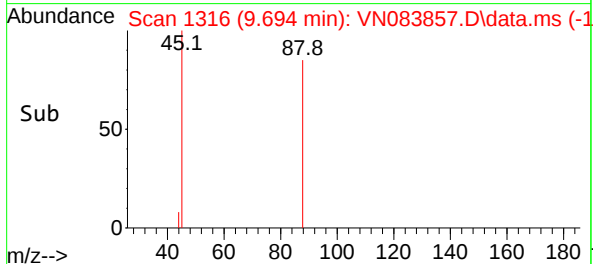
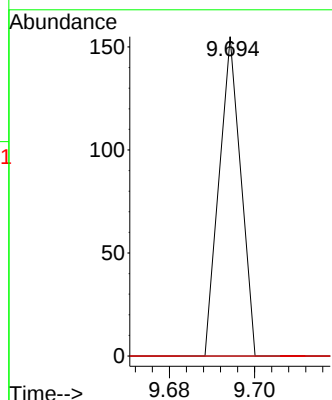
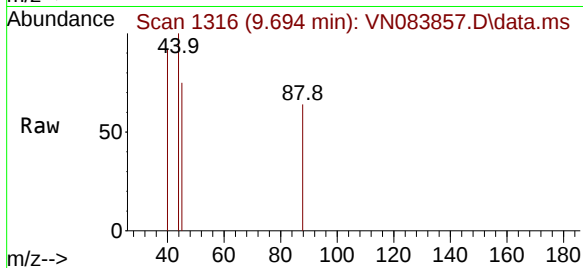
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 50.766 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083857.D

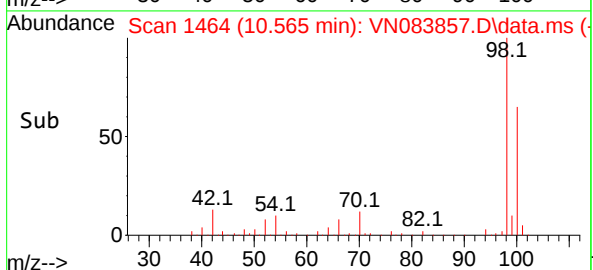
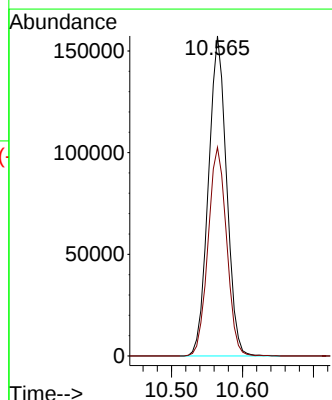
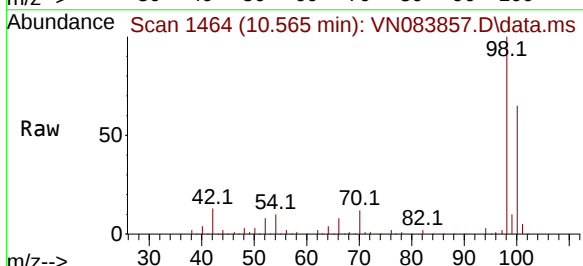
Acq: 13 Sep 2024 06:36

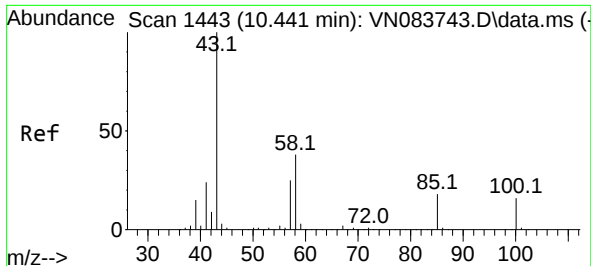
Tgt Ion: 98 Resp: 279630

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.723 ug/l

RT: 10.559 min Scan# 14

Delta R.T. 0.118 min

Lab File: VN083857.D

Acq: 13 Sep 2024 06:36

Instrument :

MSVOA_N

ClientSampleId :

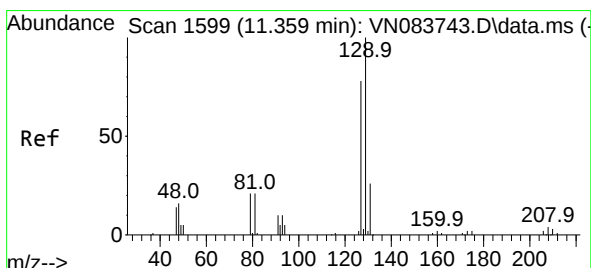
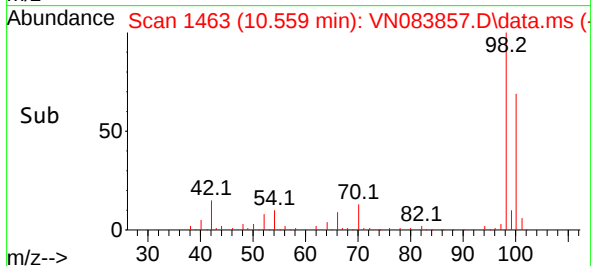
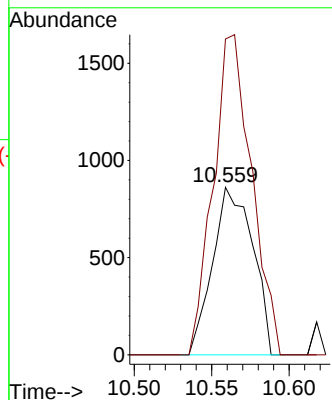
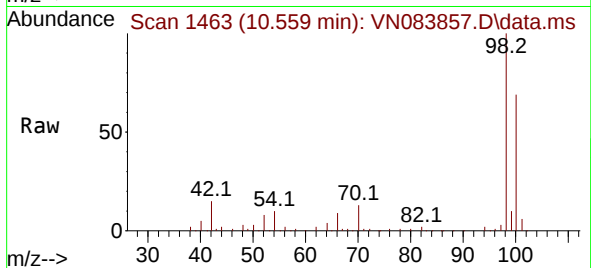
MW203D1-20240910

Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

43 100

58 182.7 31.6 47.4#



#60

Dibromochloromethane

Concen: 1.103 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083857.D

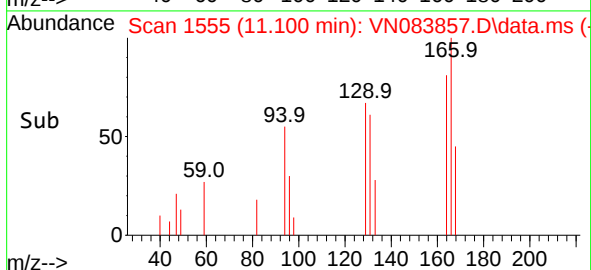
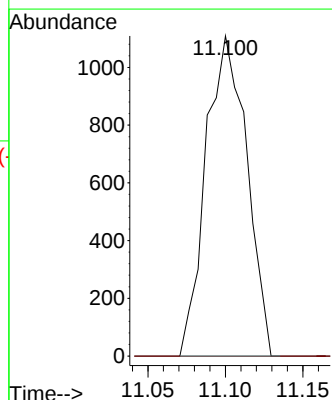
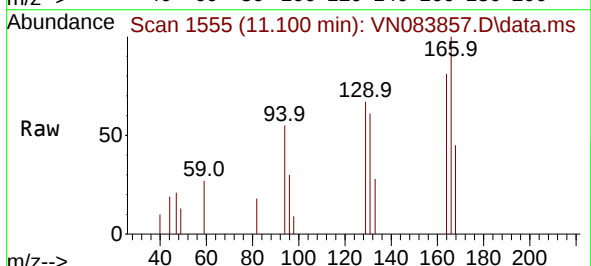
Acq: 13 Sep 2024 06:36

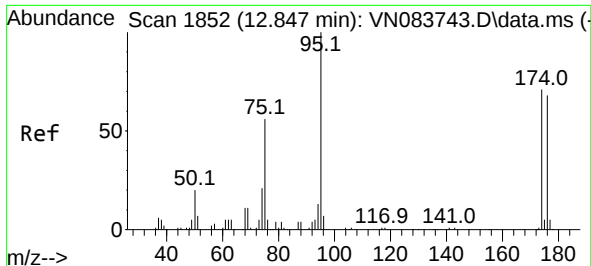
Tgt Ion: 129 Resp: 2035

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

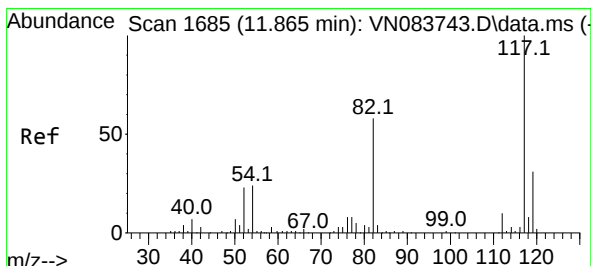
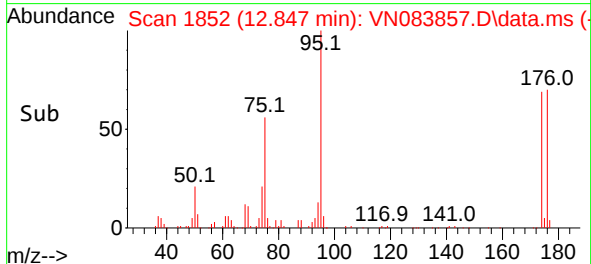
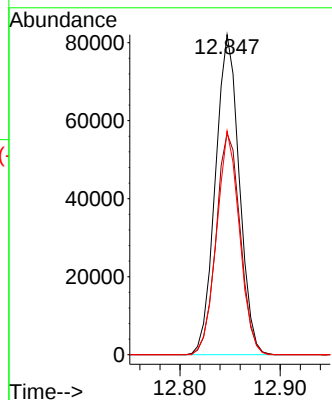
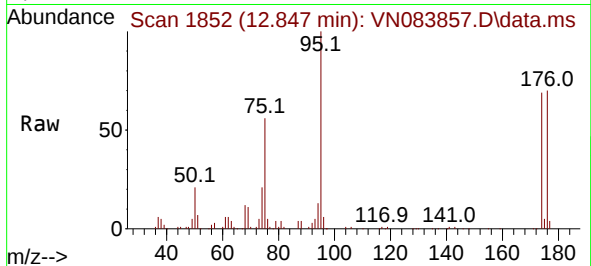




#62
4-Bromofluorobenzene
Concen: 59.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

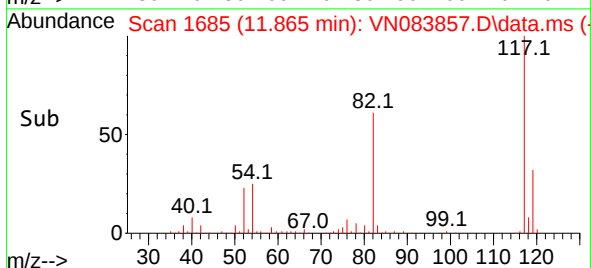
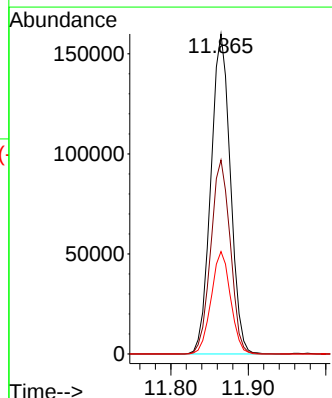
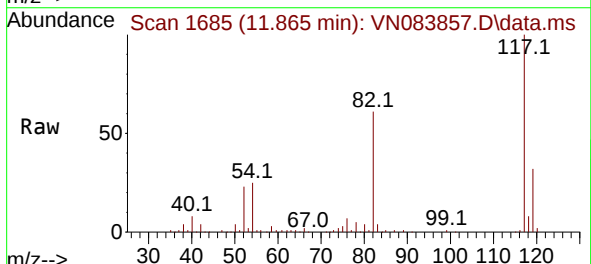
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

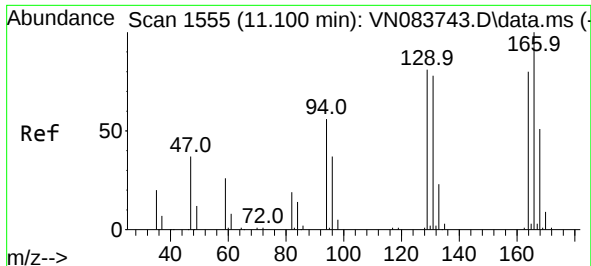
Tgt Ion: 95 Resp: 135472
Ion Ratio Lower Upper
95 100
174 70.0 0.0 139.8
176 67.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 117 Resp: 280410
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.0
119 32.0 26.3 39.5

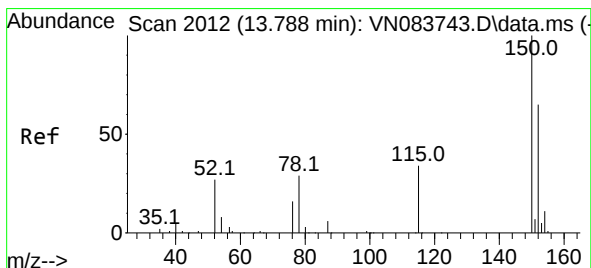
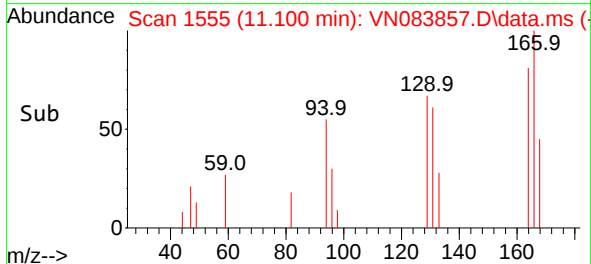
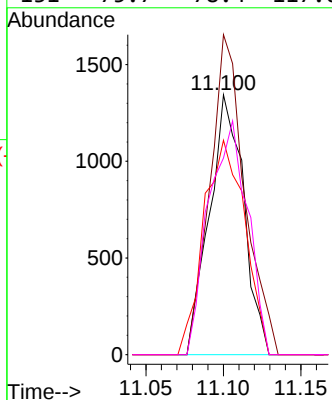
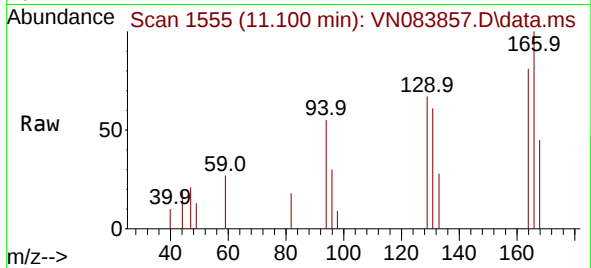




#64
Tetrachloroethene
Concen: 1.104 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

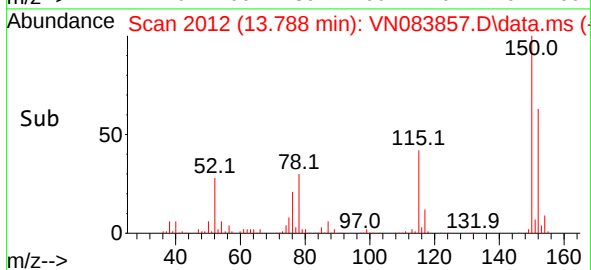
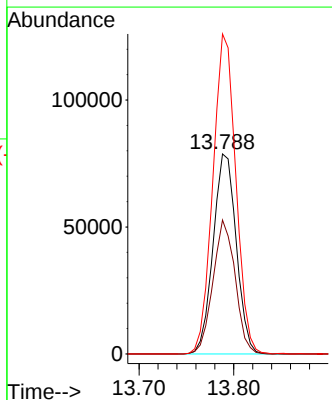
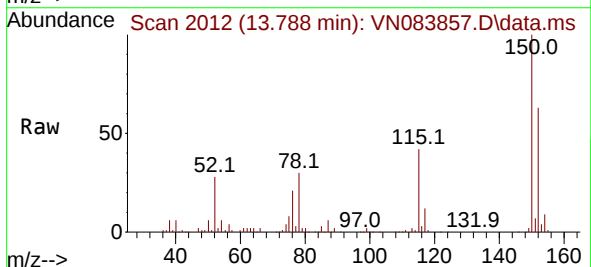
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

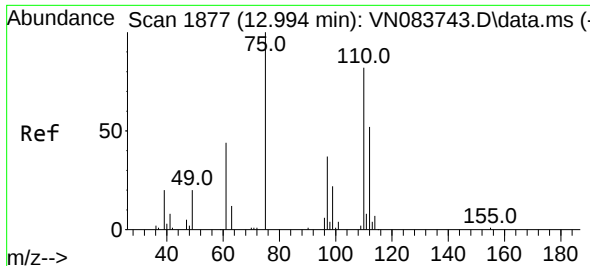
Tgt Ion:164 Resp: 2059
Ion Ratio Lower Upper
164 100
166 123.1 103.7 155.5
129 82.5 79.9 119.9
131 75.7 78.4 117.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion:152 Resp: 133823
Ion Ratio Lower Upper
152 100
115 64.1 32.2 96.6
150 158.6 0.0 348.6

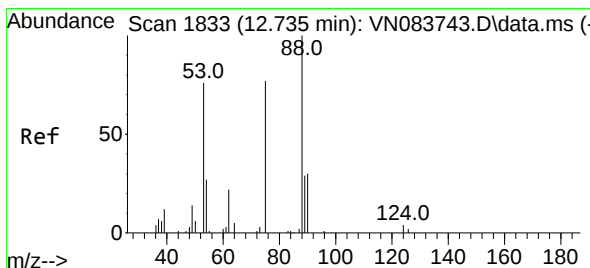
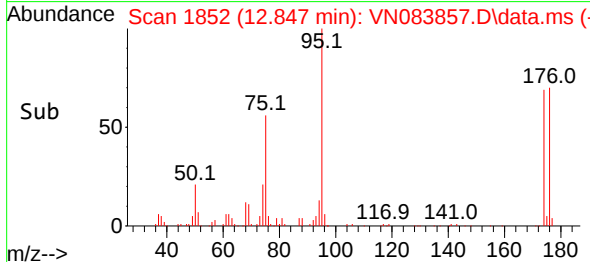
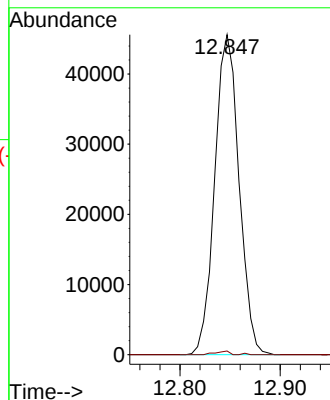
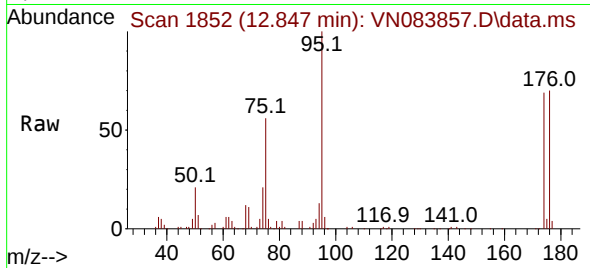




#76
1,2,3-Trichloropropane
Concen: 28.403 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910

Tgt Ion: 75 Resp: 76697
Ion Ratio Lower Upper
75 100
77 0.6 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083857.D
Acq: 13 Sep 2024 06:36

Tgt Ion: 75 Resp: 76697
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

