

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083888.D
 Acq On : 14 Sep 2024 14:20
 Operator : JC\MD
 Sample : P3957-12RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20240910RE

Quant Time: Sep 16 01:35:15 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

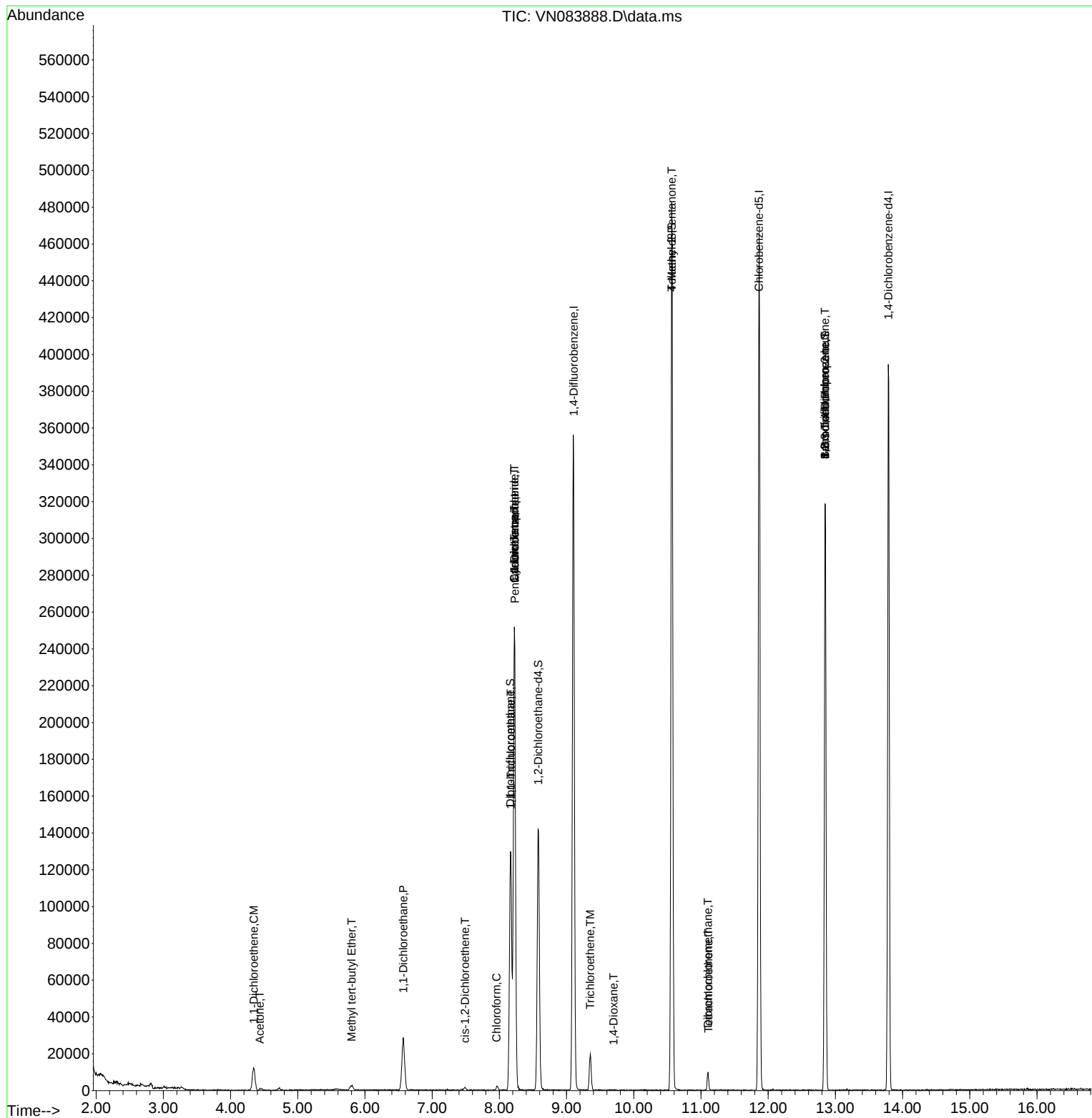
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	170045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124431	48.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.060%
35) Dibromofluoromethane	8.165	113	88447	47.531	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.060%
50) Toluene-d8	10.565	98	325290	50.566	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.847	95	108425	40.852	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	81.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	573	Below Cal	#	41
12) 1,1-Dichloroethene	4.347	96	7412	4.030	ug/l	98
16) Acetone	4.436	43	876	0.852	ug/l #	82
19) Methyl tert-butyl Ether	5.800	73	4367	0.656	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	39923	10.272	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	1016	0.434	ug/l	67
30) Chloroform	7.959	83	2164	0.524	ug/l #	83
31) Cyclohexane	8.224	56	4755	1.283	ug/l #	44
32) 1,1,1-Trichloroethane	8.171	97	6015	1.585	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	16056	5.733	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20256	6.375	ug/l #	17
44) Trichloroethene	9.353	130	6970	3.570	ug/l	98
49) 1,4-Dioxane	9.700	88	56	1.557	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1606	0.640	ug/l #	1
60) Dibromochloromethane	11.106	129	1970	0.914	ug/l #	10
64) Tetrachloroethene	11.112	164	2074	1.264	ug/l #	68
71) Bromoform	12.847	173	343	0.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62027	30.814	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62027	80.705	ug/l #	9

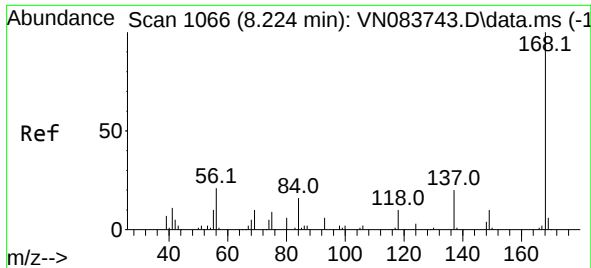
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
MW203D1-20240910RE

Quant Time: Sep 16 01:35:15 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

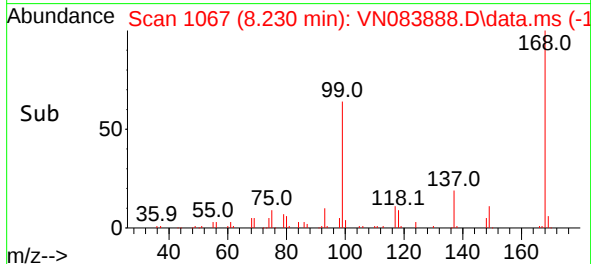
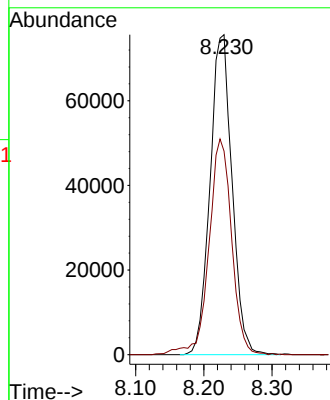
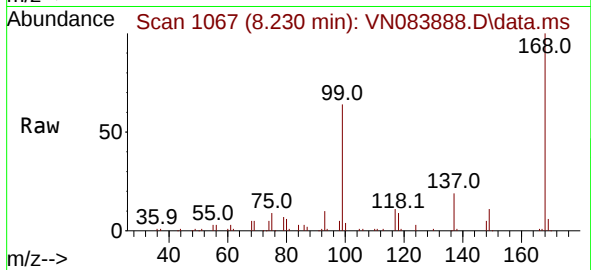




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

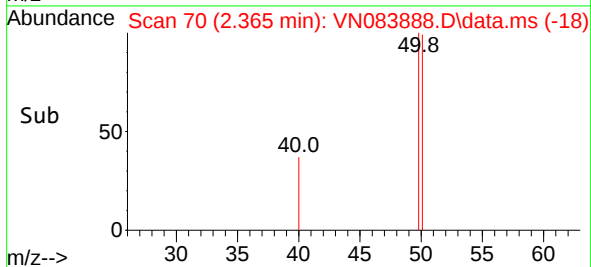
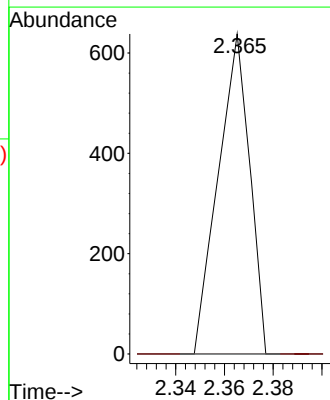
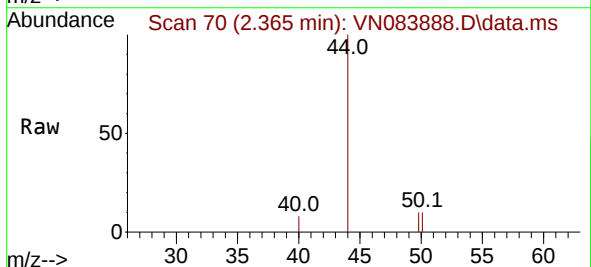
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910RE

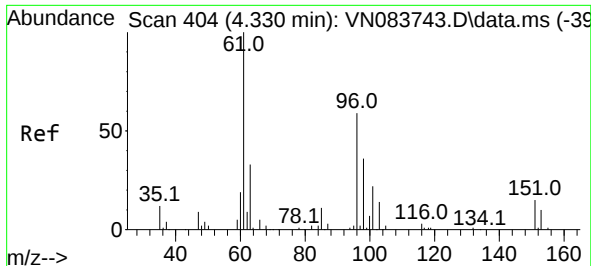
Tgt Ion:168 Resp: 170045
Ion Ratio Lower Upper
168 100
99 63.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

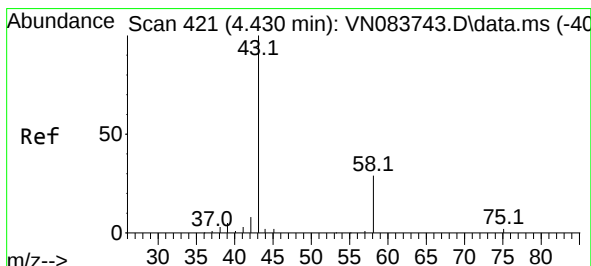
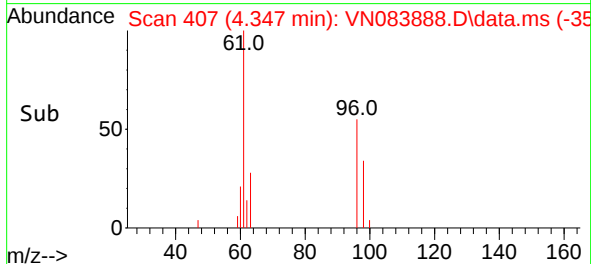
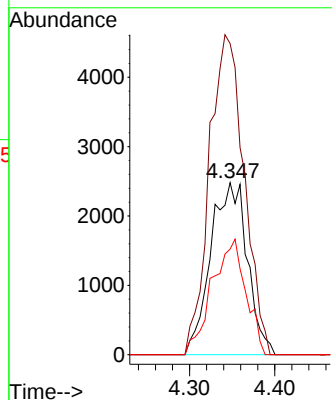
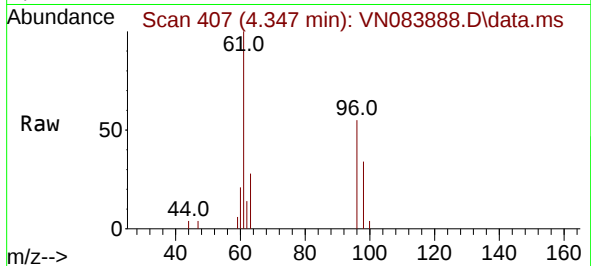




#12
 1,1-Dichloroethene
 Concen: 4.030 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN083888.D
 Acq: 14 Sep 2024 14:20

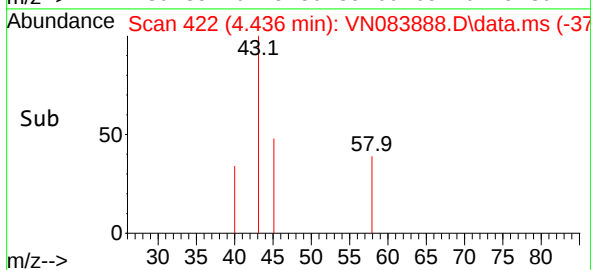
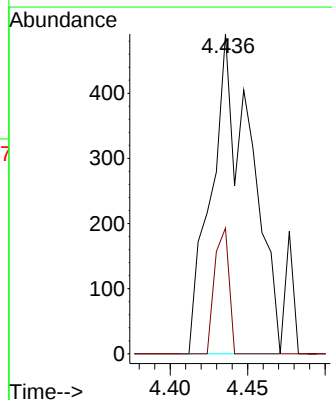
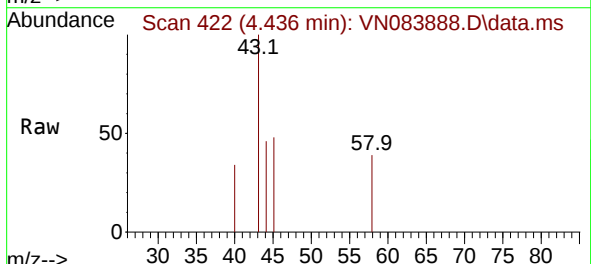
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20240910RE

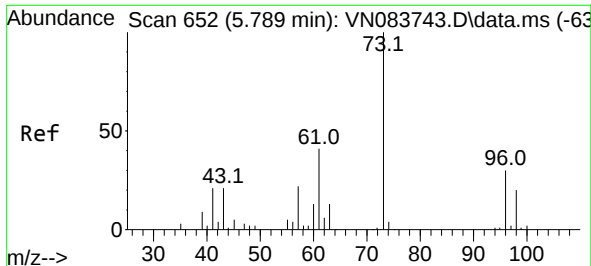
Tgt Ion: 96 Resp: 7412
 Ion Ratio Lower Upper
 96 100
 61 180.8 143.4 215.0
 98 61.4 52.7 79.1



#16
 Acetone
 Concen: 0.852 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.006 min
 Lab File: VN083888.D
 Acq: 14 Sep 2024 14:20

Tgt Ion: 43 Resp: 876
 Ion Ratio Lower Upper
 43 100
 58 39.3 23.7 35.5#





#19

Methyl tert-butyl Ether

Concen: 0.656 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN083888.D

Acq: 14 Sep 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

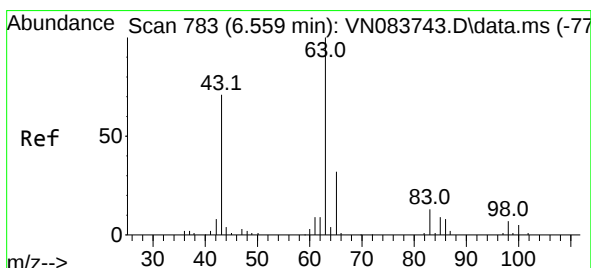
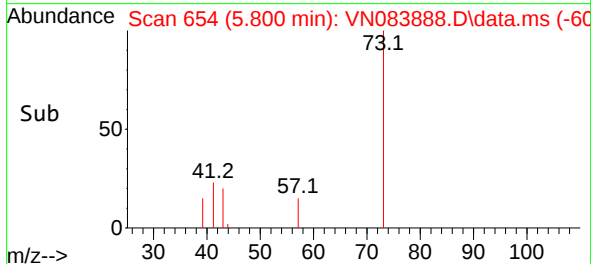
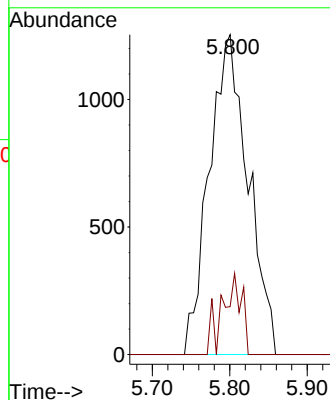
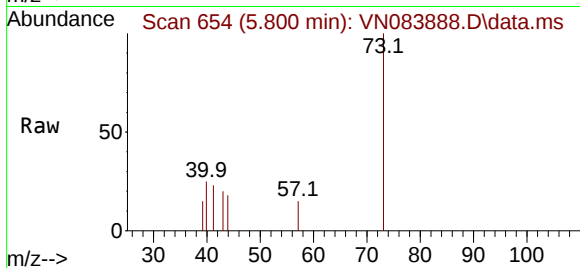
MW203D1-20240910RE

Tgt Ion: 73 Resp: 4367

Ion Ratio Lower Upper

73 100

57 15.0 17.0 25.6#



#24

1,1-Dichloroethane

Concen: 10.272 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.012 min

Lab File: VN083888.D

Acq: 14 Sep 2024 14:20

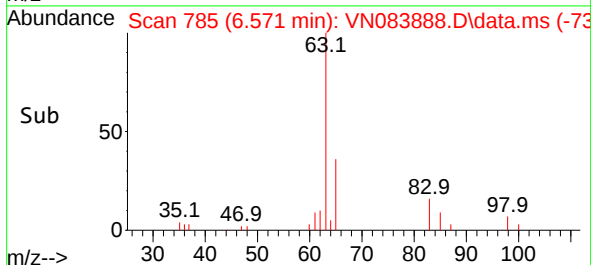
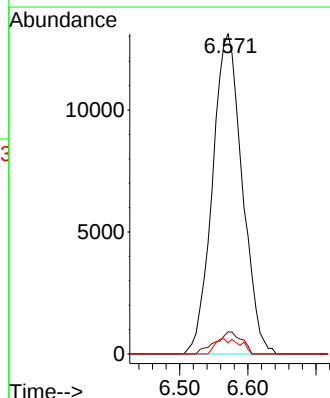
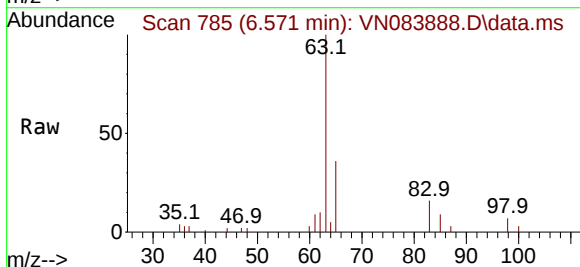
Tgt Ion: 63 Resp: 39923

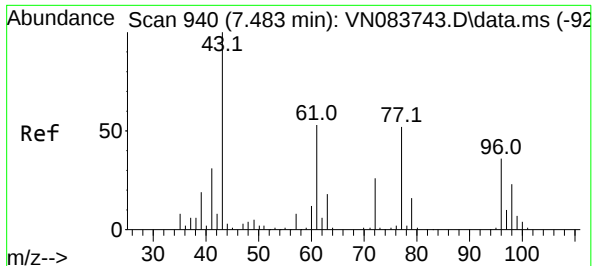
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 3.4 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 0.434 ug/l

RT: 7.488 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN083888.D

Acq: 14 Sep 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20240910RE

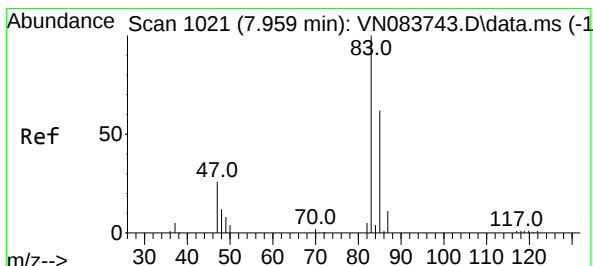
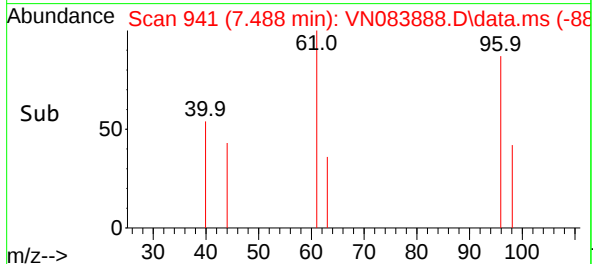
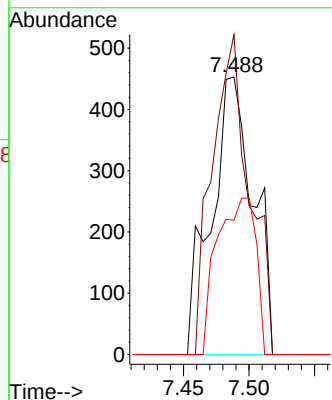
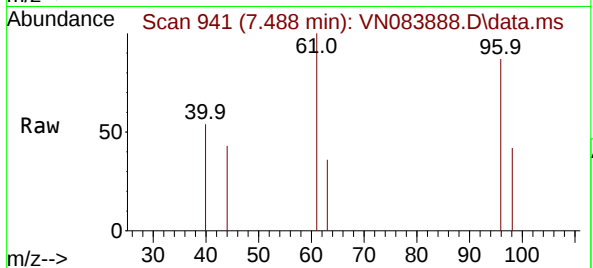
Tgt Ion: 96 Resp: 1016

Ion Ratio Lower Upper

96 100

61 101.3 0.0 306.2

98 51.5 0.0 128.6



#30

Chloroform

Concen: 0.524 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN083888.D

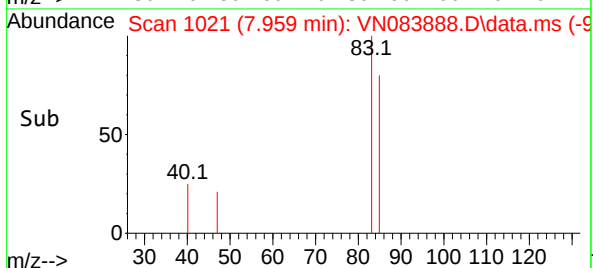
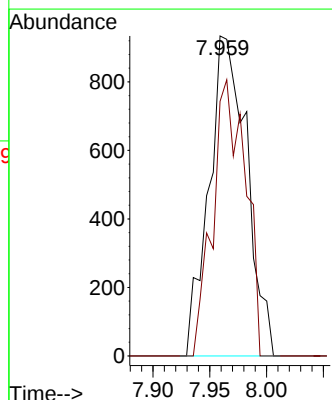
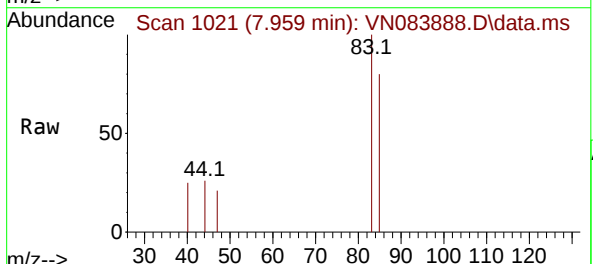
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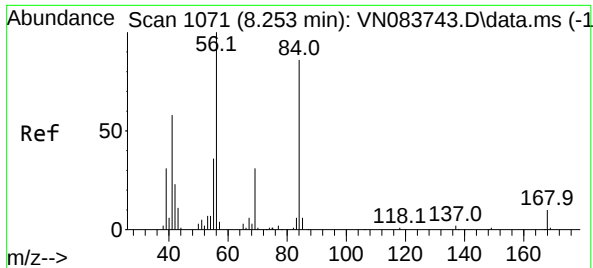
Tgt Ion: 83 Resp: 2164

Ion Ratio Lower Upper

83 100

85 79.6 52.8 79.2#

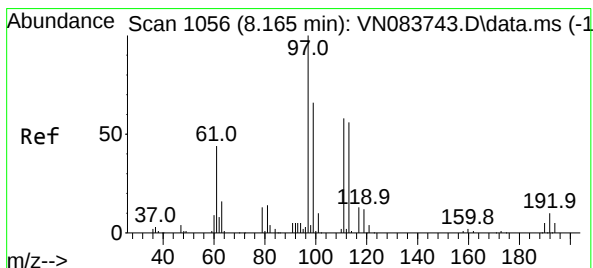
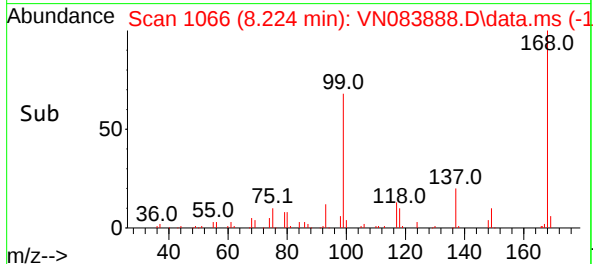
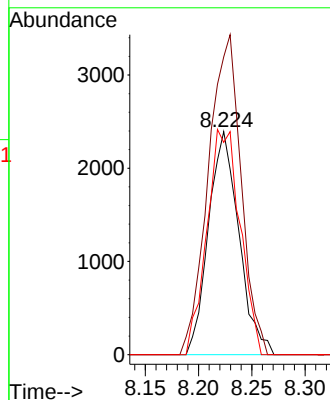
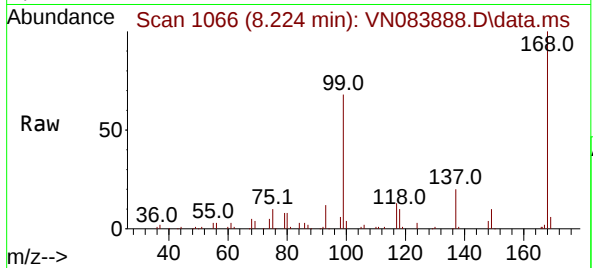




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

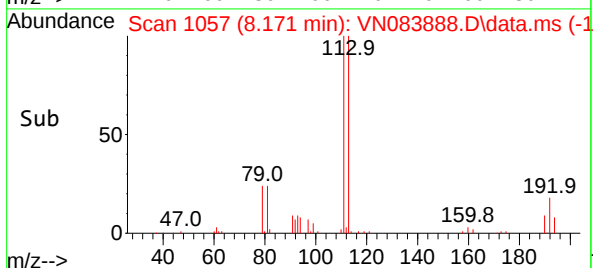
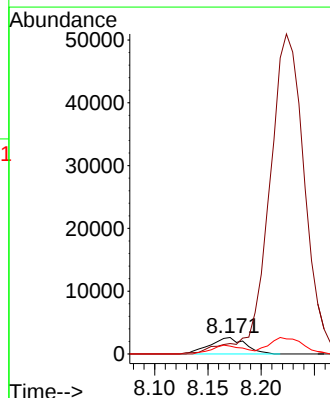
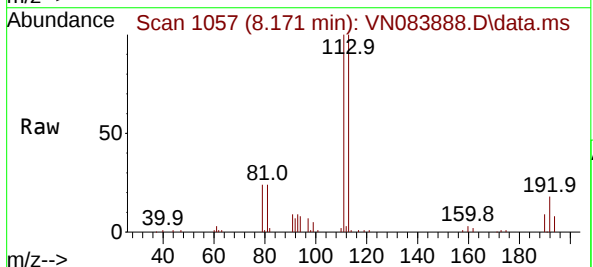
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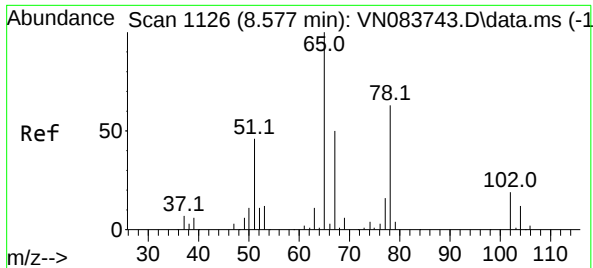
Tgt Ion: 56 Resp: 4755
Ion Ratio Lower Upper
56 100
69 133.5 26.9 40.3#
84 95.2 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 1.585 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

Tgt Ion: 97 Resp: 6015
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 48.2 38.2 57.2

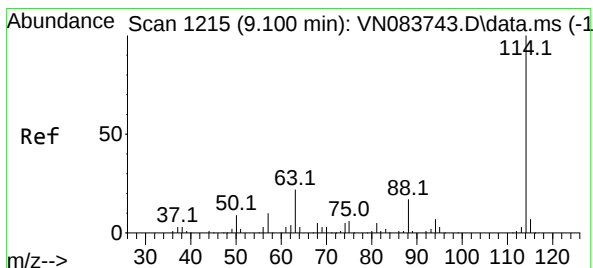
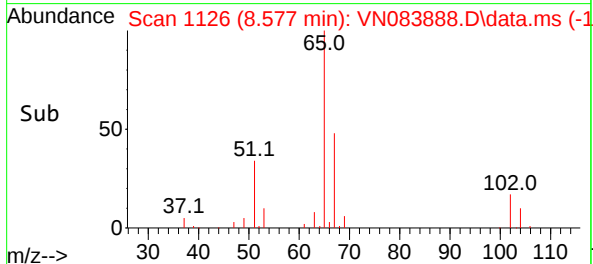
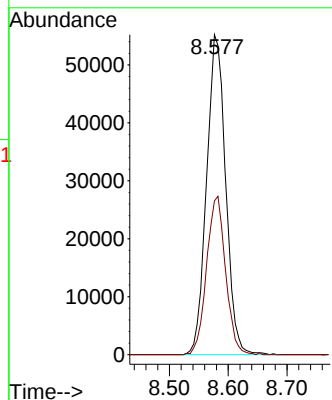
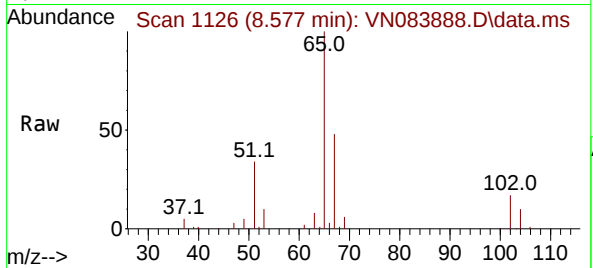




#33
 1,2-Dichloroethane-d4
 Concen: 48.529 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083888.D
 Acq: 14 Sep 2024 14:20

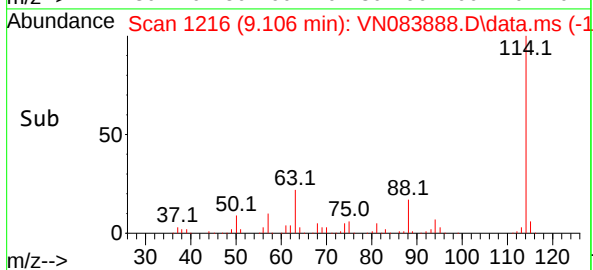
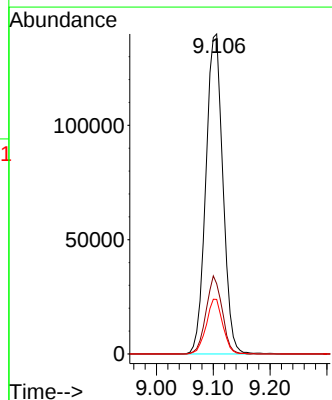
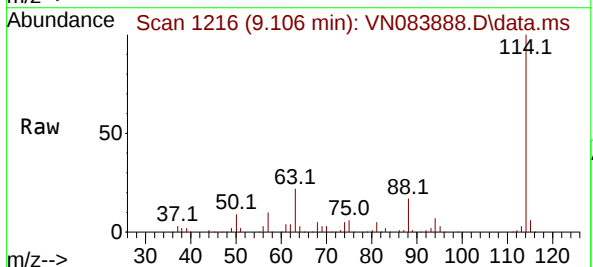
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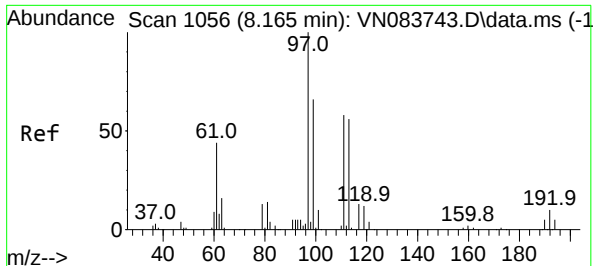
Tgt Ion: 65 Resp: 124431
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.006 min
 Lab File: VN083888.D
 Acq: 14 Sep 2024 14:20

Tgt Ion: 114 Resp: 290667
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 17.0 0.0 32.6

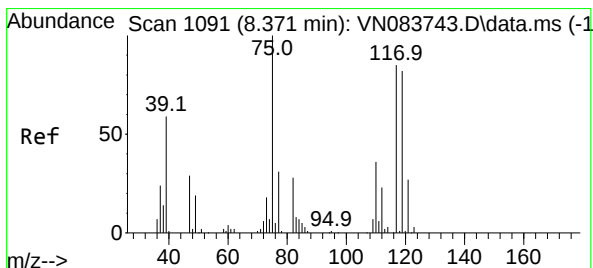
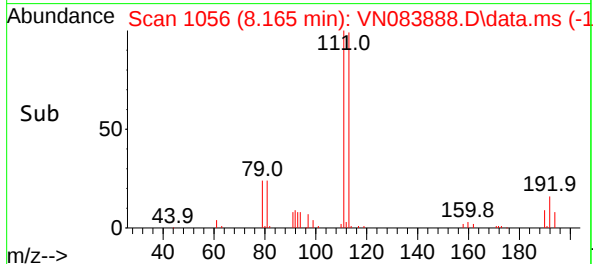
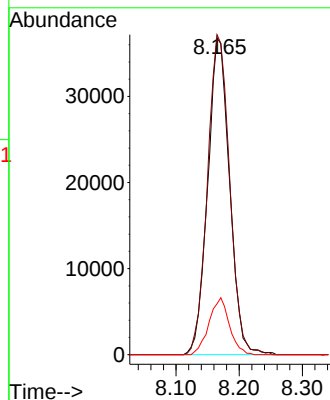
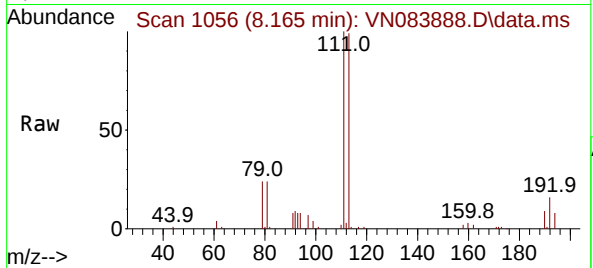




#35
Dibromofluoromethane
Concen: 47.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

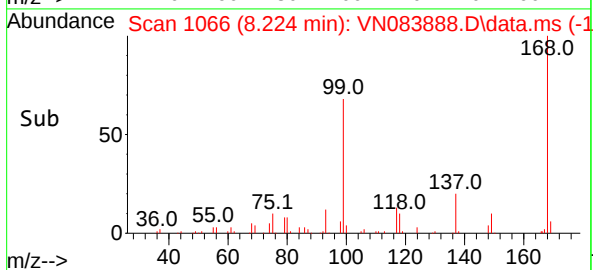
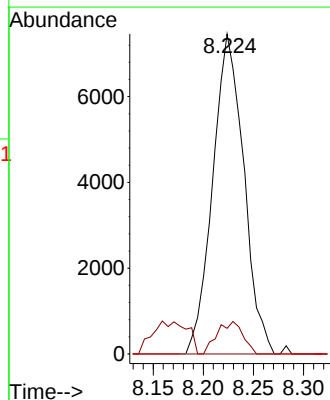
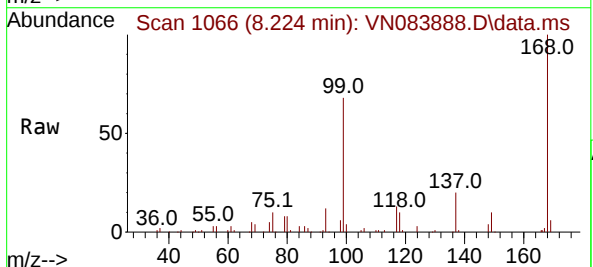
Instrument : MSVOA_N
ClientSampleId : MW203D1-20240910RE

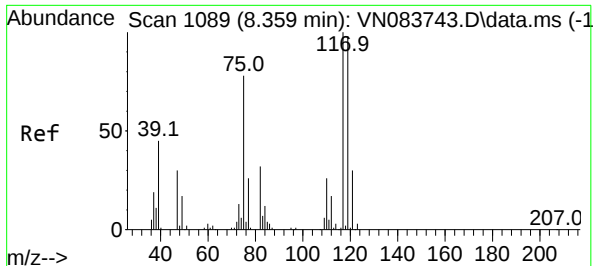
Tgt Ion:	113	Resp:	88447
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	16.8	14.3	21.5



#36
1,1-Dichloropropene
Concen: 5.733 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

Tgt Ion:	75	Resp:	16056
Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.7	50.1#
77	0.0	25.2	37.8#

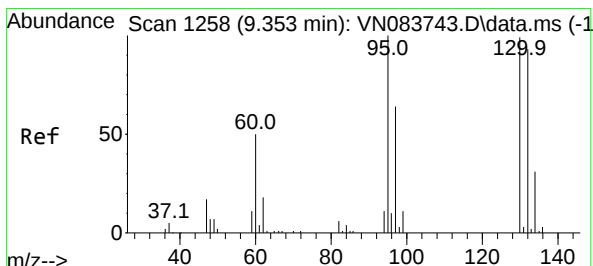
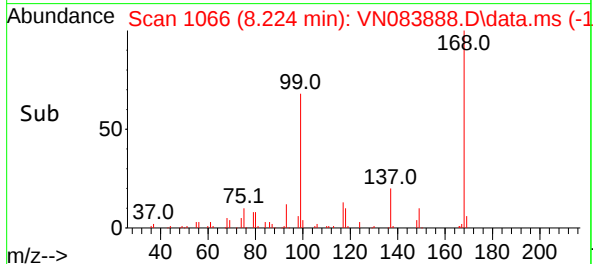
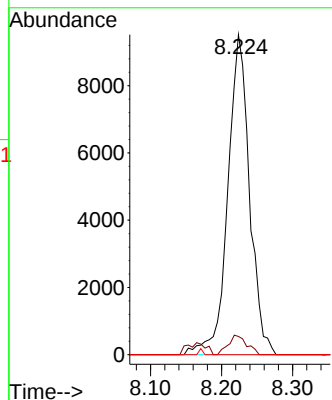
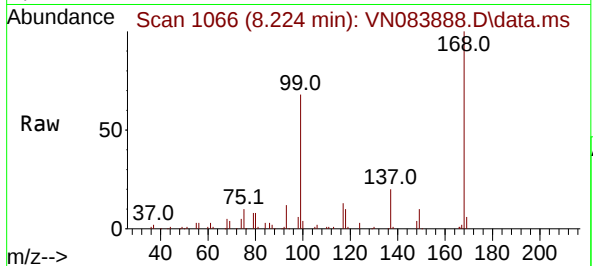




#38
Carbon Tetrachloride
Concen: 6.375 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

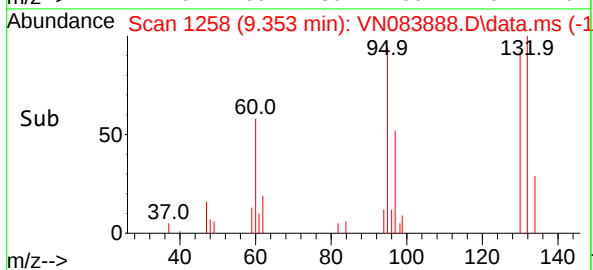
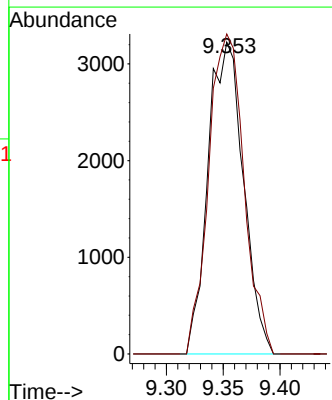
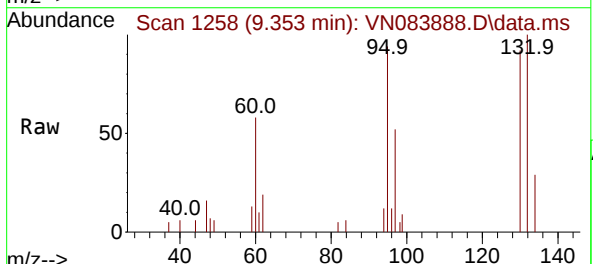
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910RE

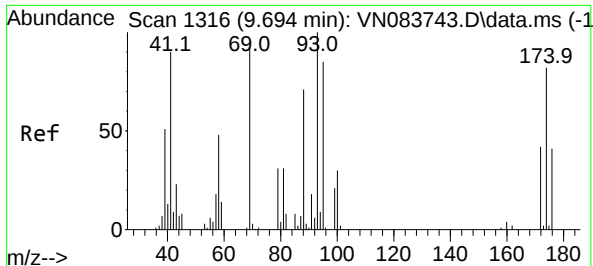
Tgt Ion:117 Resp: 20256
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 3.570 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

Tgt Ion:130 Resp: 6970
Ion Ratio Lower Upper
130 100
95 102.6 0.0 200.4





#49

1,4-Dioxane

Concen: 1.557 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083888.D

Acq: 14 Sep 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20240910RE

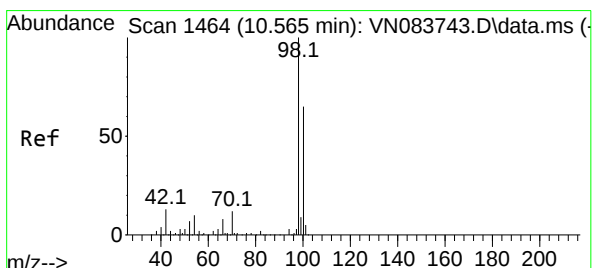
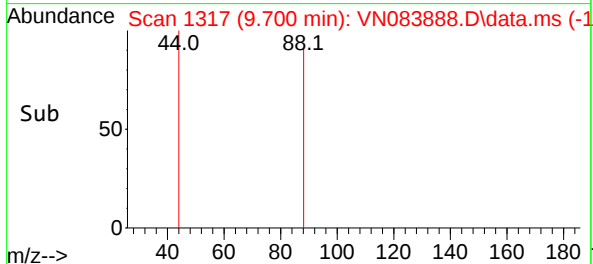
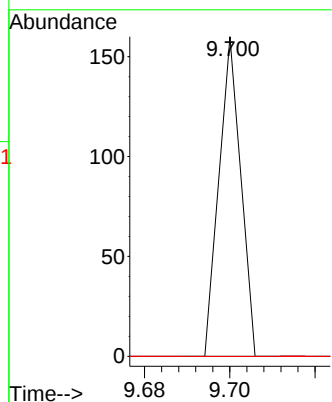
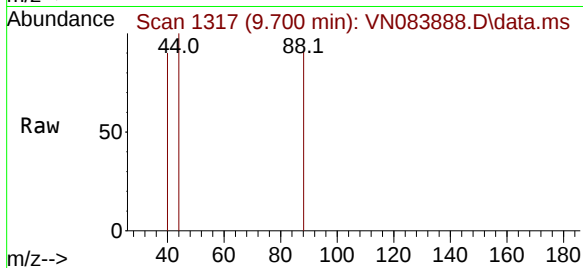
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 50.566 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083888.D

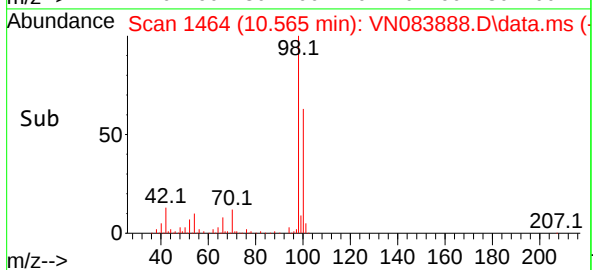
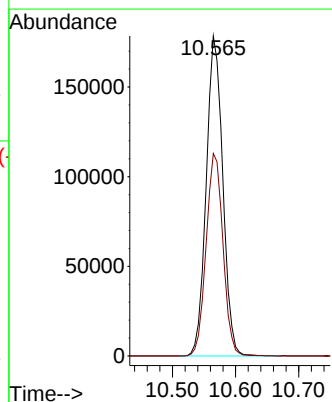
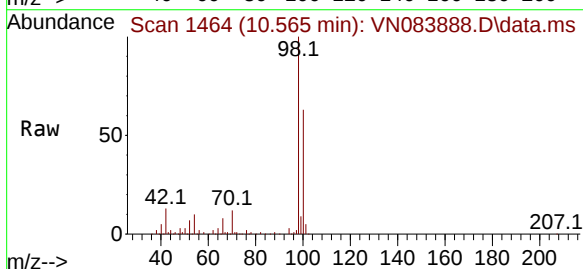
Acq: 14 Sep 2024 14:20

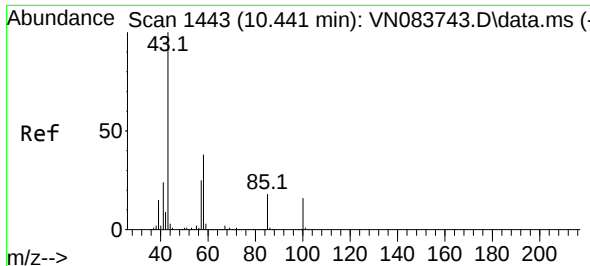
Tgt Ion: 98 Resp: 325290

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.640 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN083888.D

Acq: 14 Sep 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

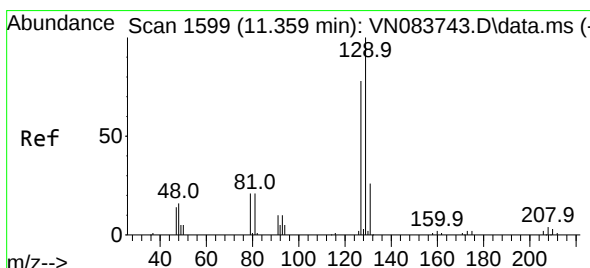
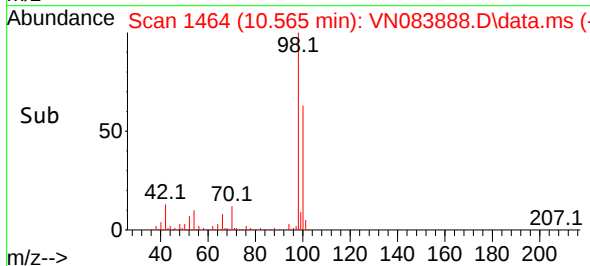
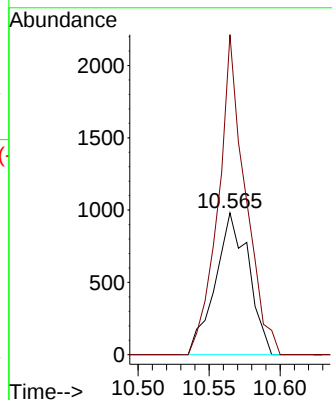
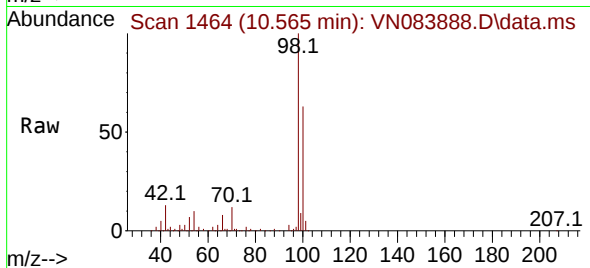
MW203D1-20240910RE

Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

43 100

58 182.6 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.914 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN083888.D

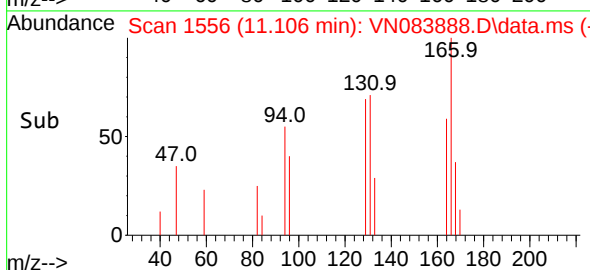
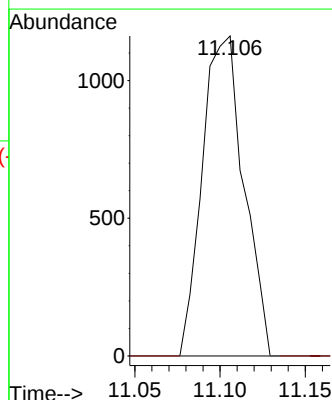
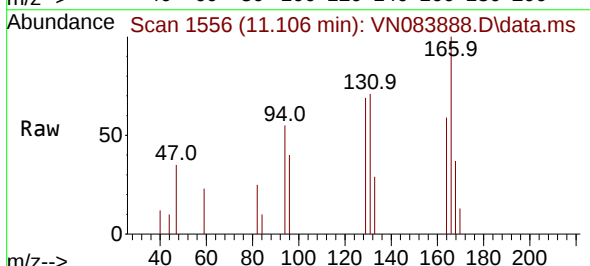
Acq: 14 Sep 2024 14:20

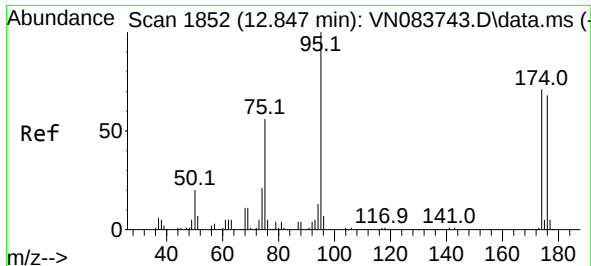
Tgt Ion: 129 Resp: 1970

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

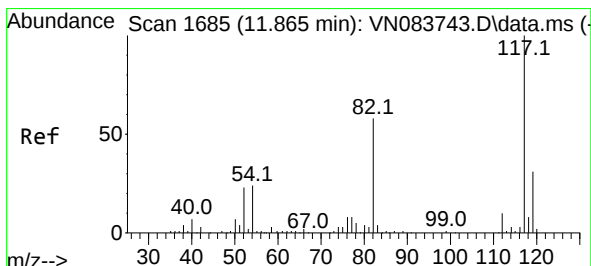
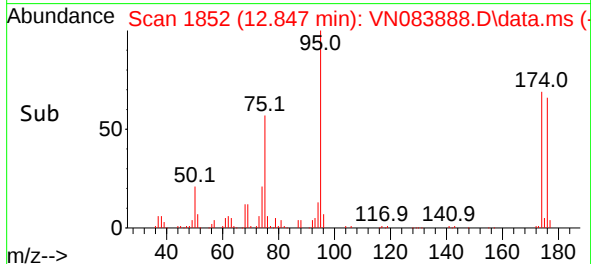
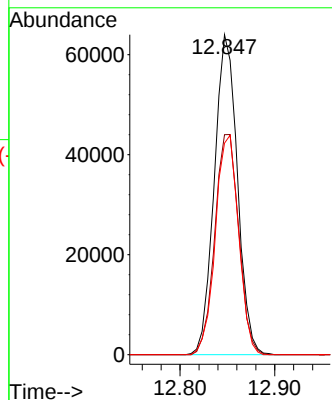
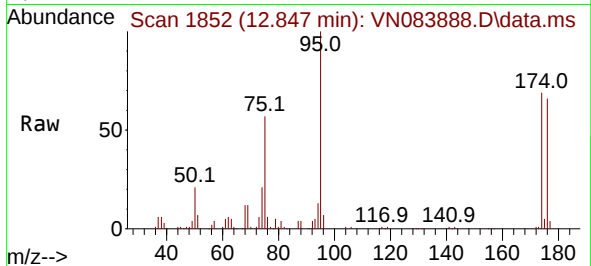




#62
4-Bromofluorobenzene
Concen: 40.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

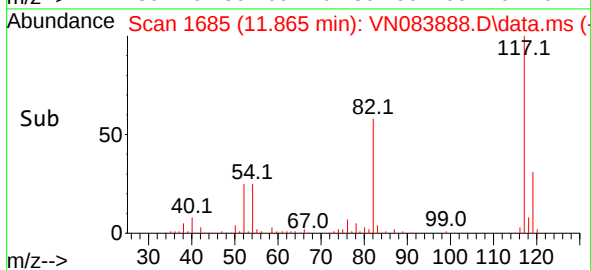
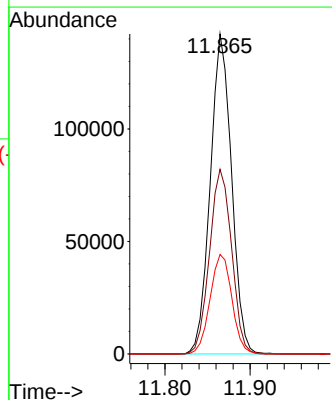
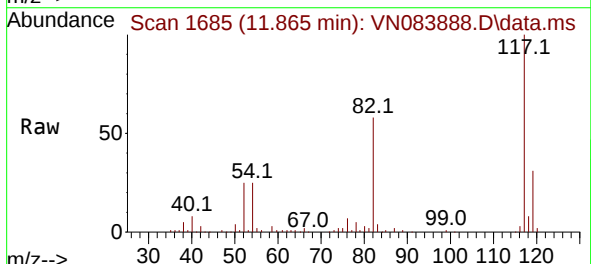
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910RE

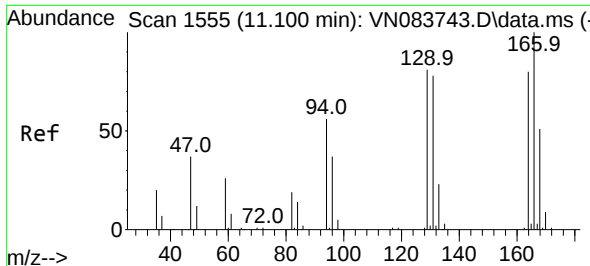
Tgt Ion: 95 Resp: 108425
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.8
176 68.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

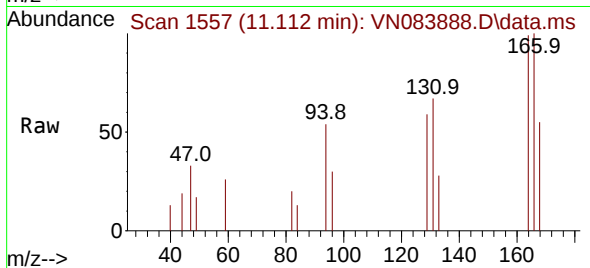
Tgt Ion: 117 Resp: 246686
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 31.1 26.3 39.5



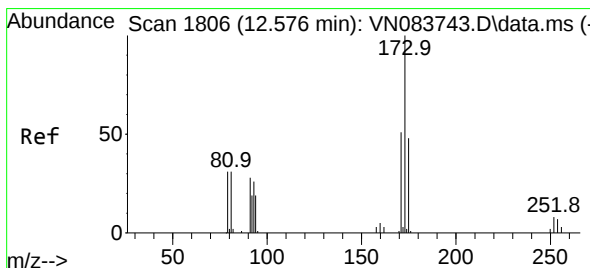
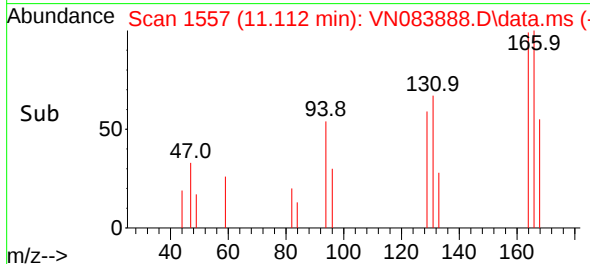
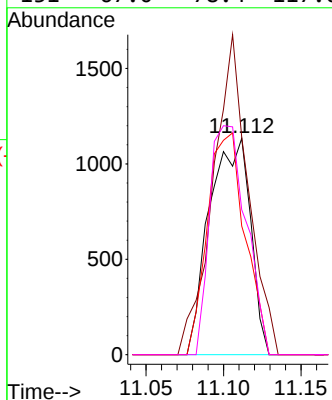


#64
Tetrachloroethene
Concen: 1.264 ug/l
RT: 11.112 min Scan# 1112
Delta R.T. 0.012 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20240910RE

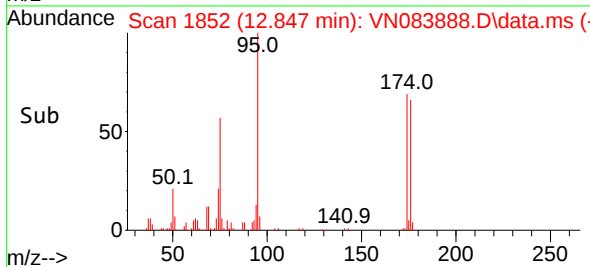
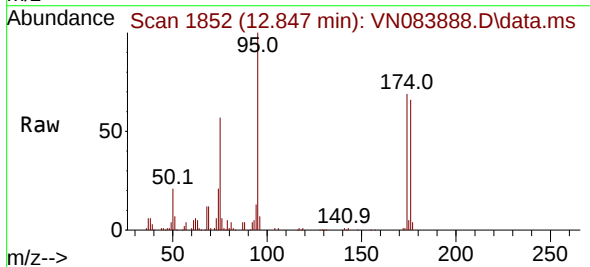
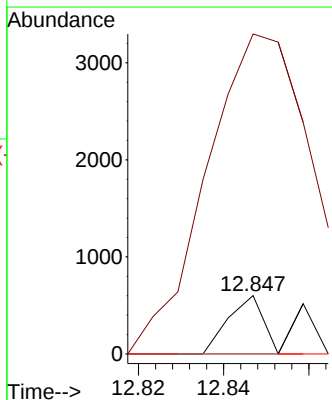


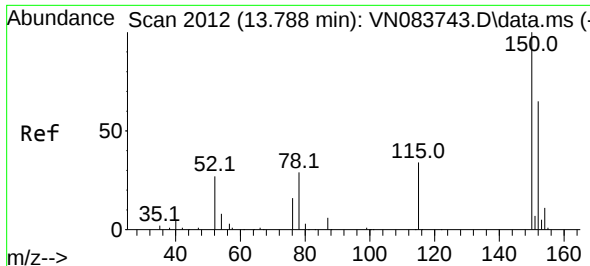
Tgt Ion:164 Resp: 2074
Ion Ratio Lower Upper
164 100
166 100.5 103.7 155.5#
129 59.4 79.9 119.9#
131 67.0 78.4 117.6#



#71
Bromoform
Concen: 0.268 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083888.D
Acq: 14 Sep 2024 14:20

Tgt Ion:173 Resp: 343
Ion Ratio Lower Upper
173 100
175 1235.9 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083888.D

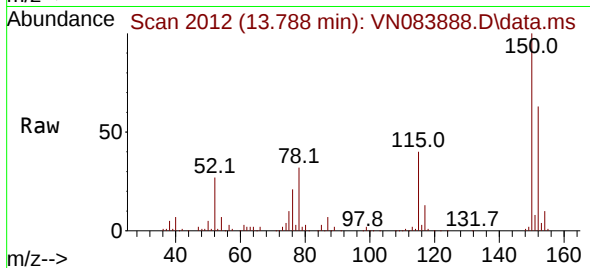
Acq: 14 Sep 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20240910RE



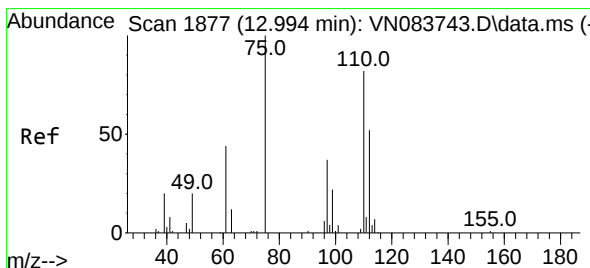
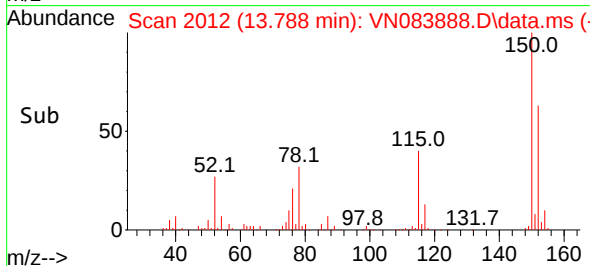
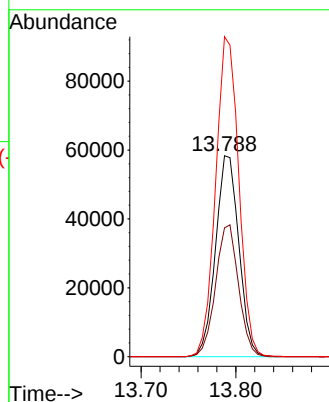
Tgt Ion:152 Resp: 99759

Ion Ratio Lower Upper

152 100

115 64.9 32.2 96.6

150 158.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 30.814 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083888.D

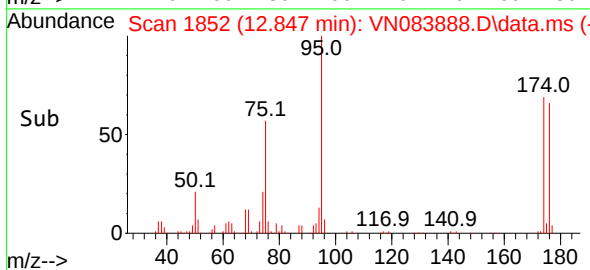
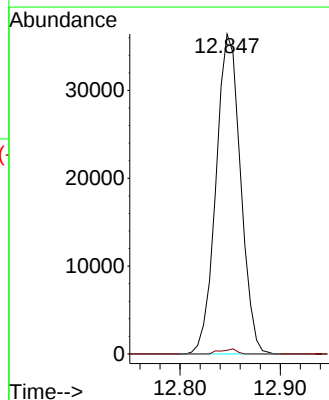
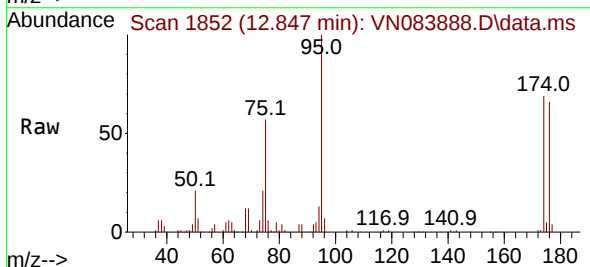
Acq: 14 Sep 2024 14:20

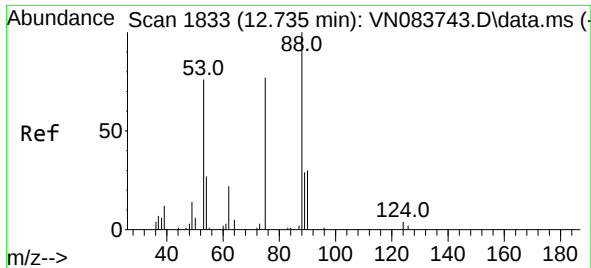
Tgt Ion: 75 Resp: 62027

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.705 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083888.D
 Acq: 14 Sep 2024 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20240910RE

Tgt Ion: 75 Resp: 62027
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

