

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083887.D
 Acq On : 14 Sep 2024 13:56
 Operator : JC\MD
 Sample : P3957-11RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20240910RE

Quant Time: Sep 16 01:34:50 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	8.224	168	162350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97116	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119495	48.813	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.620%
35) Dibromofluoromethane	8.165	113	84442	47.687	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.380%
50) Toluene-d8	10.565	98	312508	51.050	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.100%
62) 4-Bromofluorobenzene	12.847	95	103384	40.934	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	81.860%

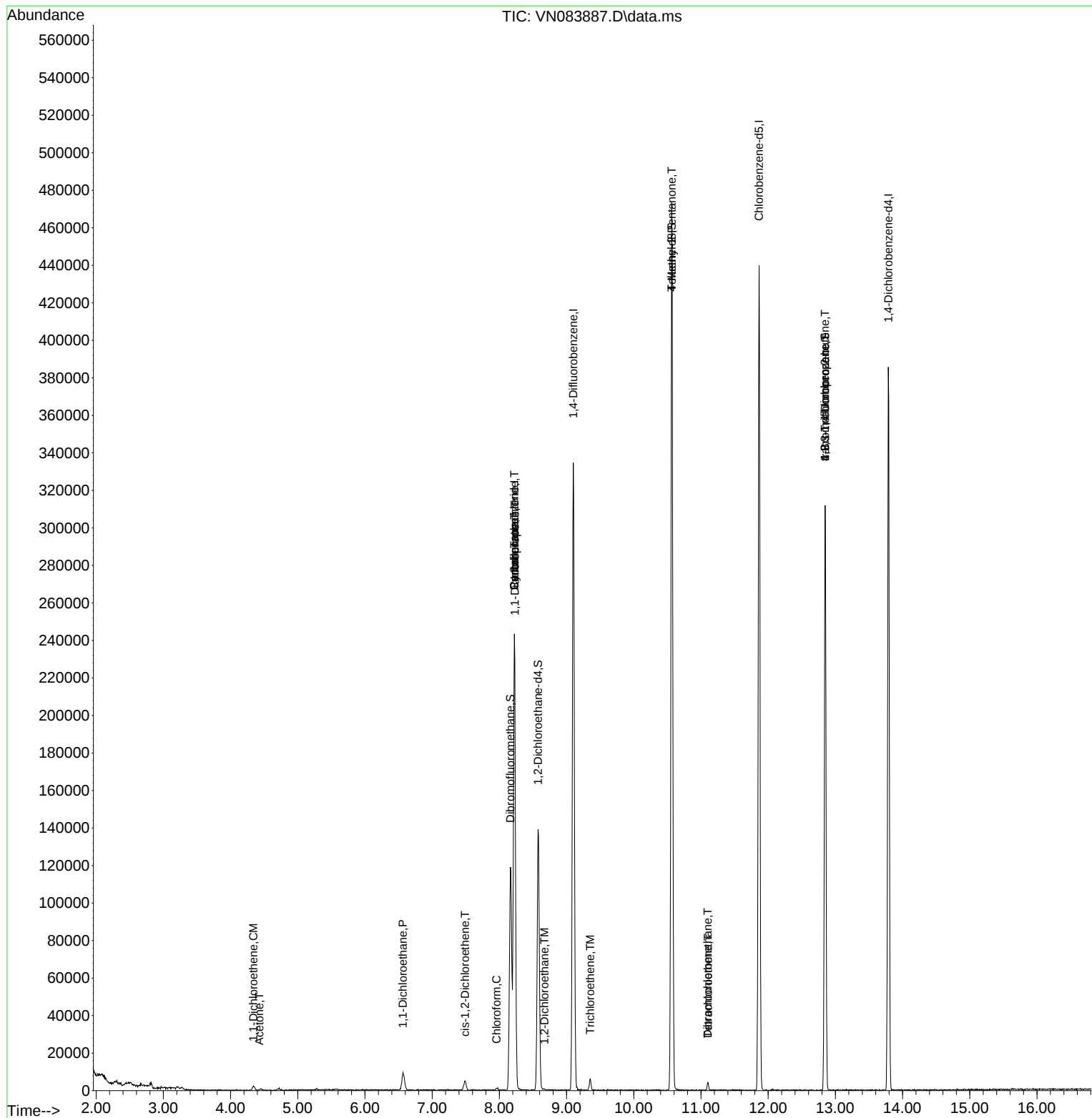
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	560	Below Cal	#	81
12) 1,1-Dichloroethene	4.342	96	1218	0.694	ug/l #	78
16) Acetone	4.430	43	707	0.720	ug/l #	45
18) Methyl Acetate	4.753	43	83	Below Cal	#	52
24) 1,1-Dichloroethane	6.565	63	13348	3.597	ug/l	94
27) cis-1,2-Dichloroethene	7.489	96	3355	1.502	ug/l	85
30) Chloroform	7.959	83	1213	0.308	ug/l #	74
31) Cyclohexane	8.224	56	4468	1.263	ug/l #	3
36) 1,1-Dichloropropene	8.230	75	15326	5.750	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19147	6.332	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	739	0.247	ug/l #	77
44) Trichloroethene	9.353	130	2127	1.145	ug/l	69
51) 4-Methyl-2-Pentanone	10.565	43	1485	0.622	ug/l #	1
60) Dibromochloromethane	11.100	129	950	0.463	ug/l #	10
64) Tetrachloroethene	11.106	164	794	0.512	ug/l #	87
76) 1,2,3-Trichloropropane	12.847	75	59711	30.471	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59711	79.805	ug/l #	9

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

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MSVOA_N
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MW203D2-20240910RE

Quant Time: Sep 16 01:34:50 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

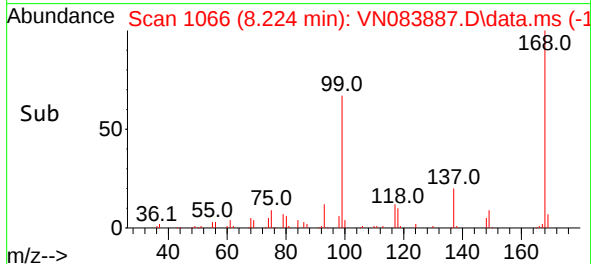
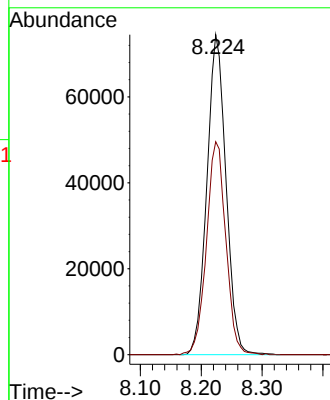
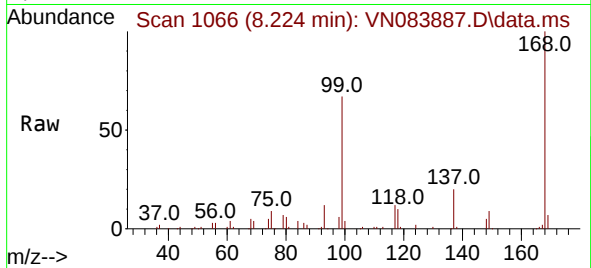




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

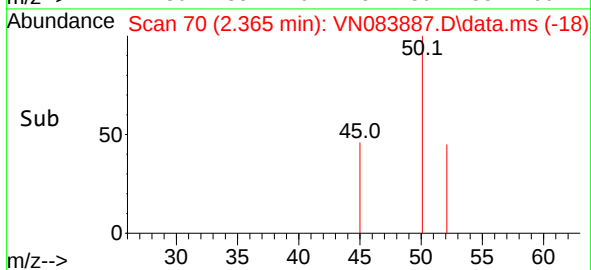
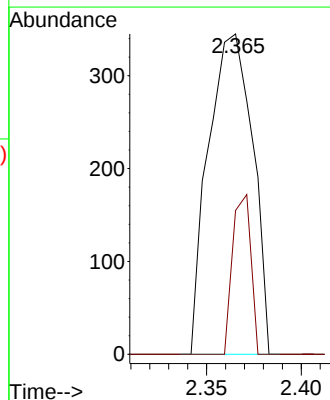
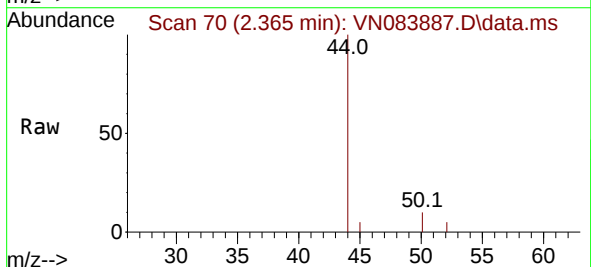
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20240910RE

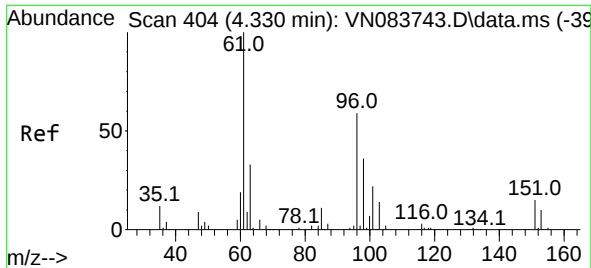
Tgt Ion:168 Resp: 162350
Ion Ratio Lower Upper
168 100
99 66.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 44.9 27.2 40.8#

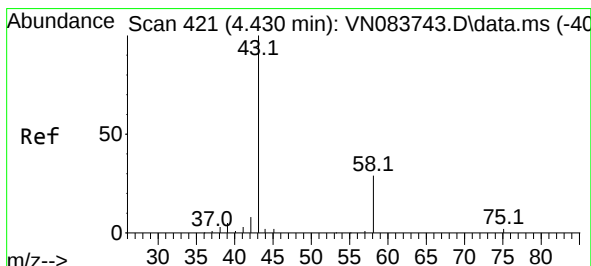
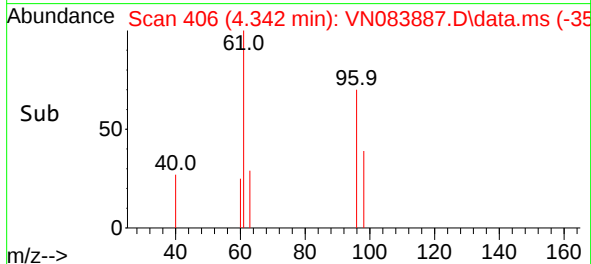
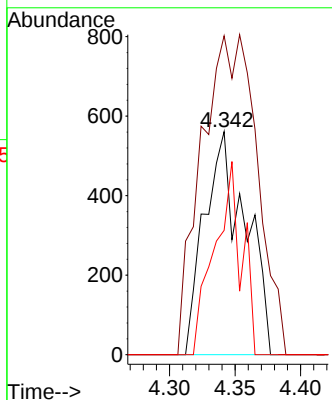
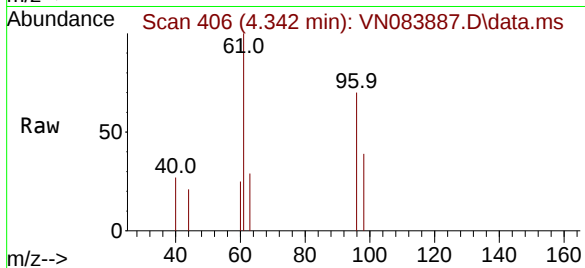




#12
 1,1-Dichloroethene
 Concen: 0.694 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.012 min
 Lab File: VN083887.D
 Acq: 14 Sep 2024 13:56

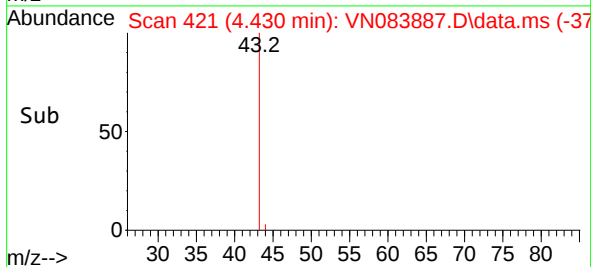
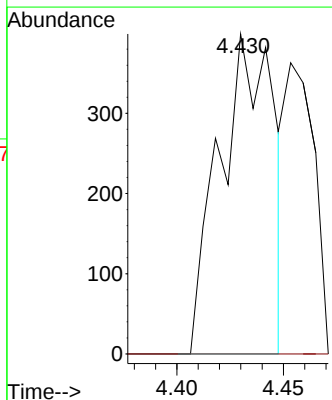
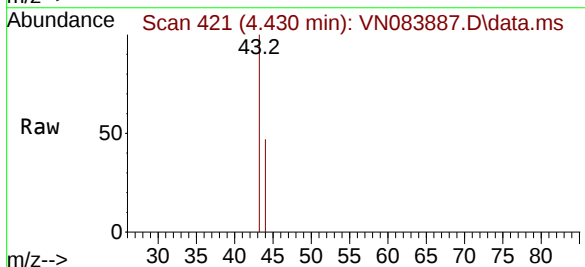
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20240910RE

Tgt Ion: 96 Resp: 1218
 Ion Ratio Lower Upper
 96 100
 61 143.0 143.4 215.0#
 98 55.8 52.7 79.1



#16
 Acetone
 Concen: 0.720 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.000 min
 Lab File: VN083887.D
 Acq: 14 Sep 2024 13:56

Tgt Ion: 43 Resp: 707
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.753 min Scan# 41

Delta R.T. -0.271 min

Lab File: VN083887.D

Acq: 14 Sep 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

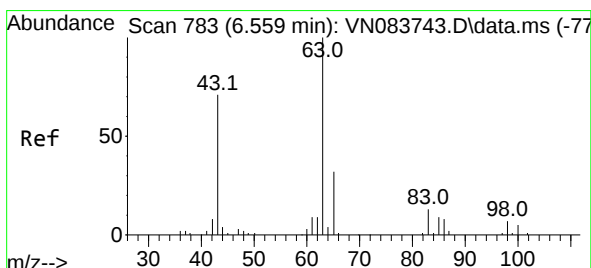
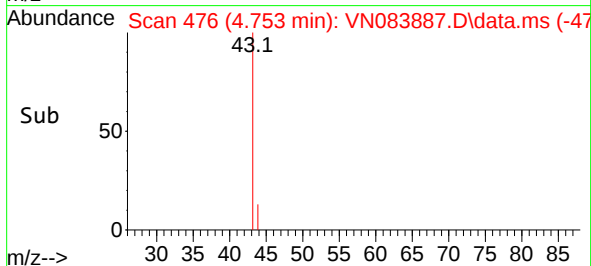
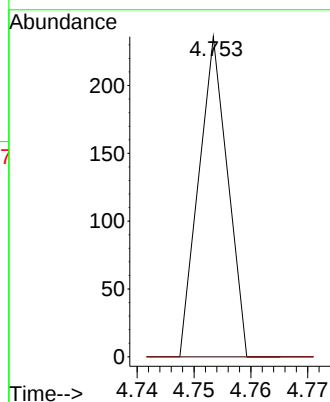
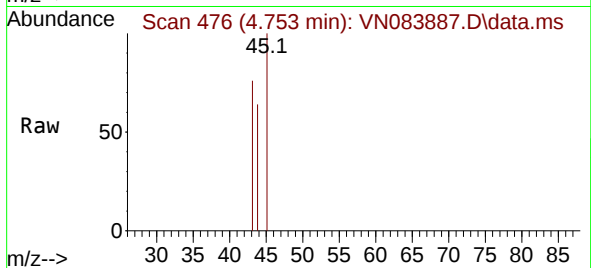
MW203D2-20240910RE

Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#24

1,1-Dichloroethane

Concen: 3.597 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.006 min

Lab File: VN083887.D

Acq: 14 Sep 2024 13:56

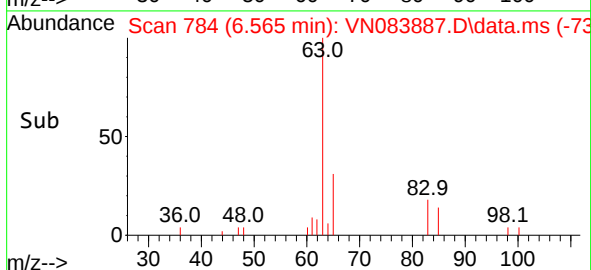
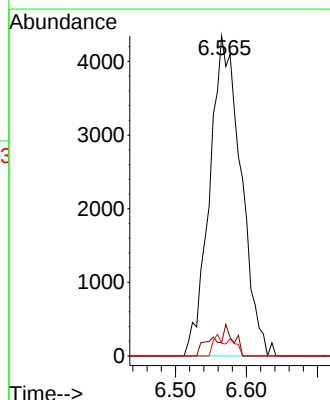
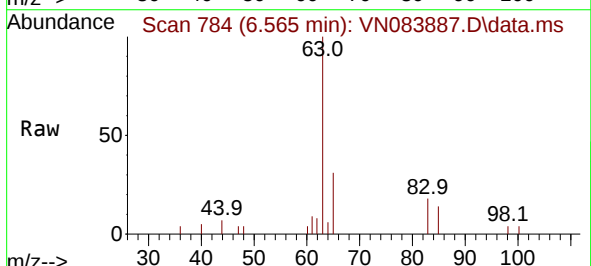
Tgt Ion: 63 Resp: 13348

Ion Ratio Lower Upper

63 100

98 4.2 3.5 10.4

100 4.0 2.5 7.5

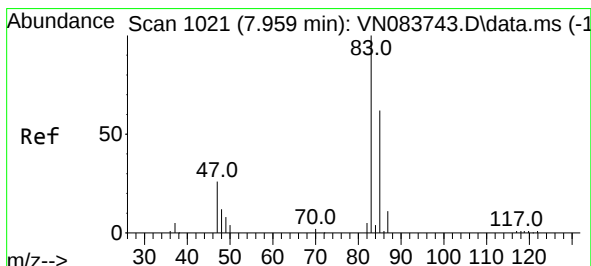
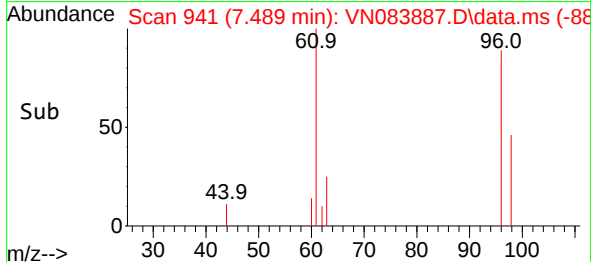
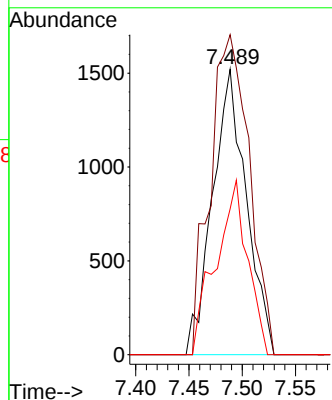
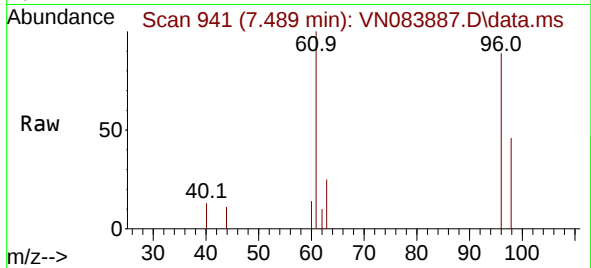




#27
 cis-1,2-Dichloroethene
 Concen: 1.502 ug/l
 RT: 7.489 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN083887.D
 Acq: 14 Sep 2024 13:56

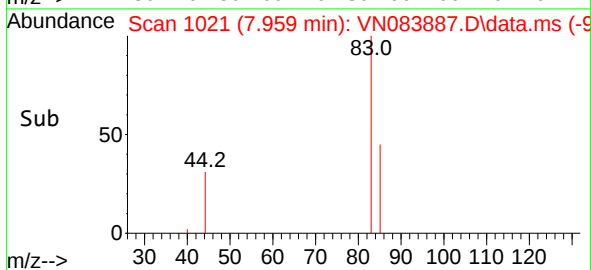
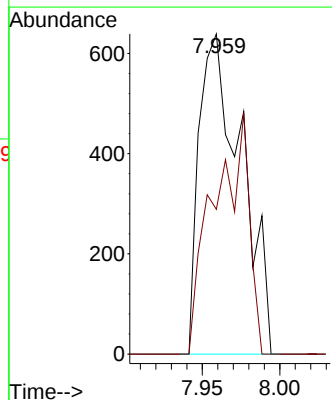
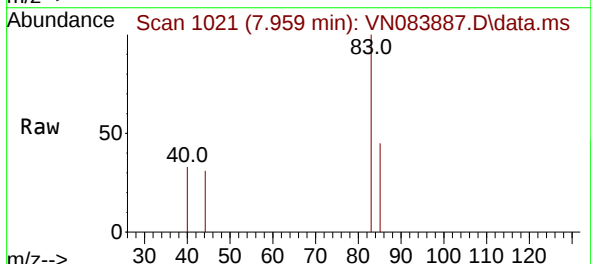
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20240910RE

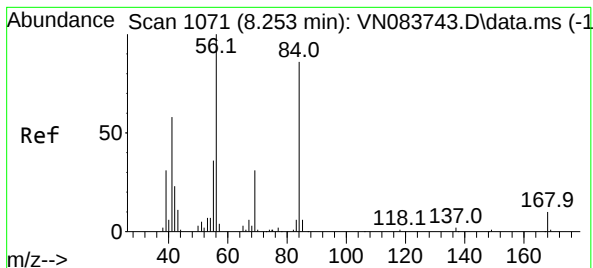
Tgt Ion: 96 Resp: 3355
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 306.2
 98 57.8 0.0 128.6



#30
 Chloroform
 Concen: 0.308 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. 0.000 min
 Lab File: VN083887.D
 Acq: 14 Sep 2024 13:56

Tgt Ion: 83 Resp: 1213
 Ion Ratio Lower Upper
 83 100
 85 45.2 52.8 79.2#





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN083887.D

Acq: 14 Sep 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20240910RE

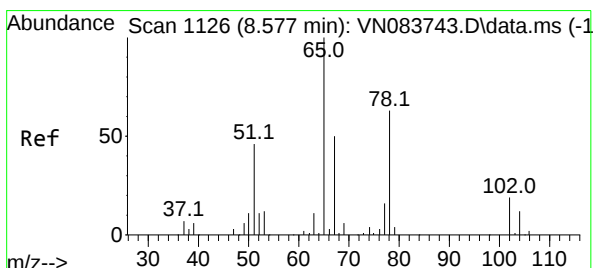
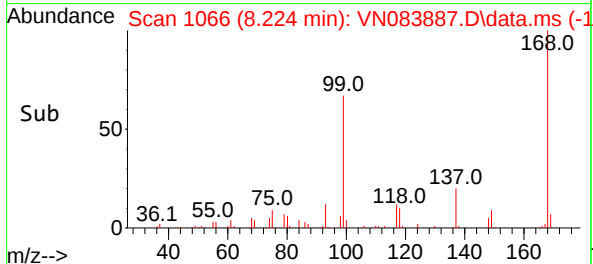
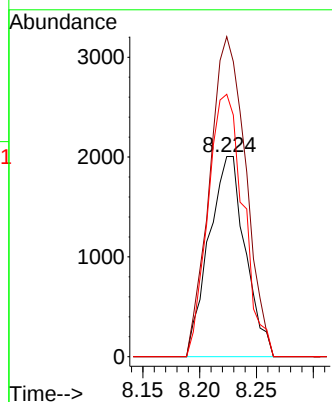
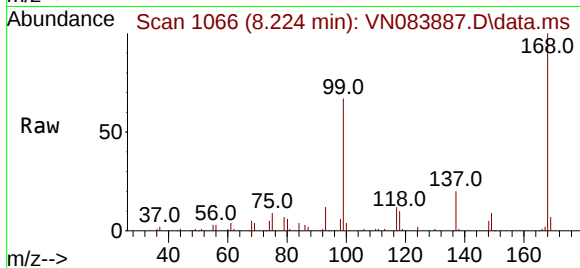
Tgt Ion: 56 Resp: 4468

Ion Ratio Lower Upper

56 100

69 159.8 26.9 40.3#

84 131.1 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 48.813 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083887.D

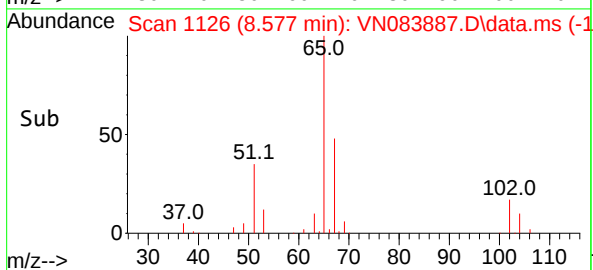
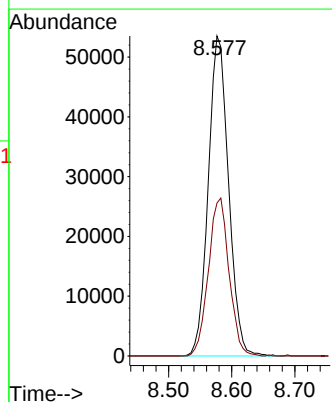
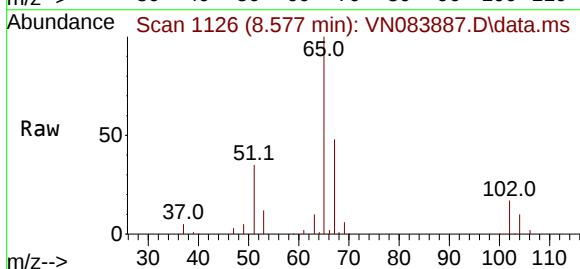
Acq: 14 Sep 2024 13:56

Tgt Ion: 65 Resp: 119495

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083887.D

Acq: 14 Sep 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20240910RE

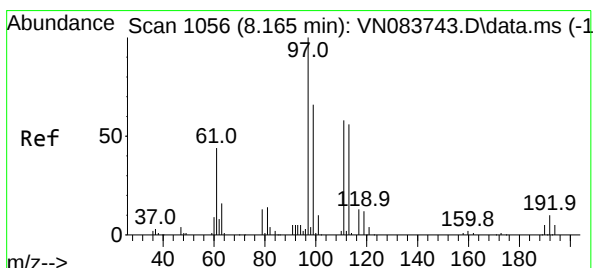
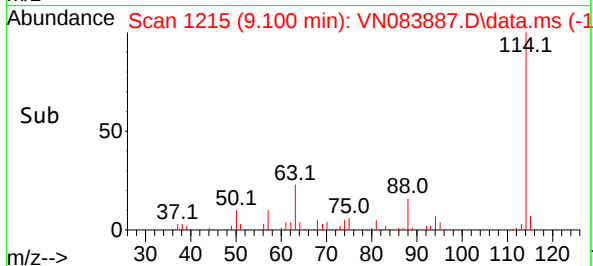
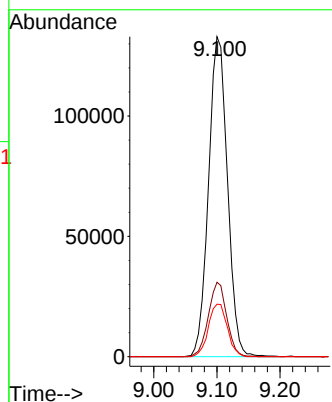
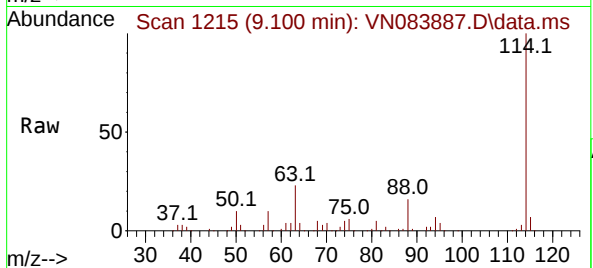
Tgt Ion:114 Resp: 276599

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.687 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083887.D

Acq: 14 Sep 2024 13:56

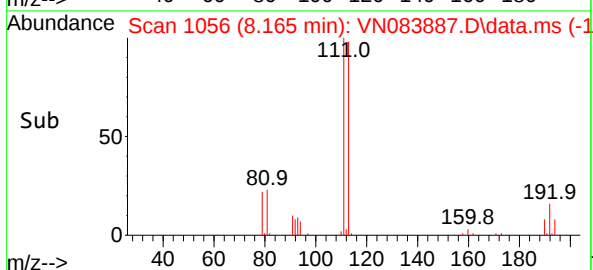
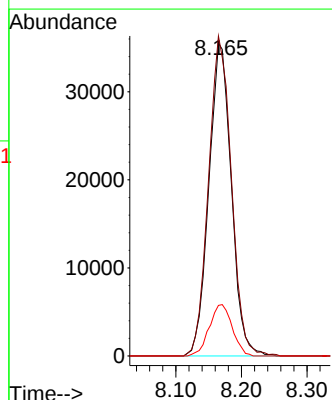
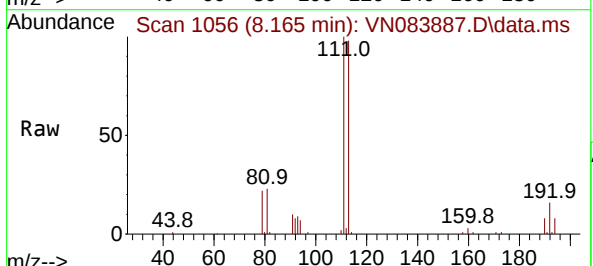
Tgt Ion:113 Resp: 84442

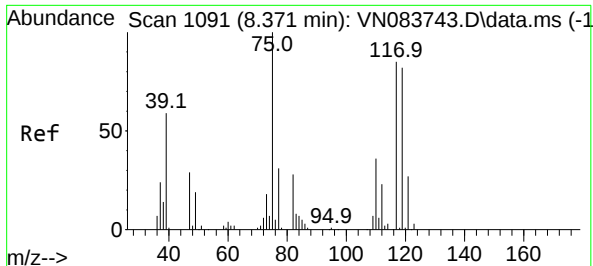
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.750 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083887.D

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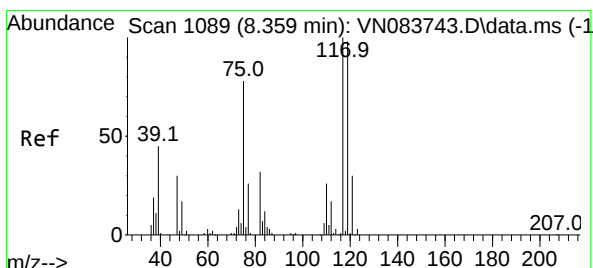
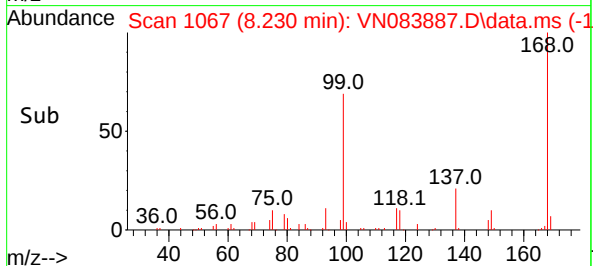
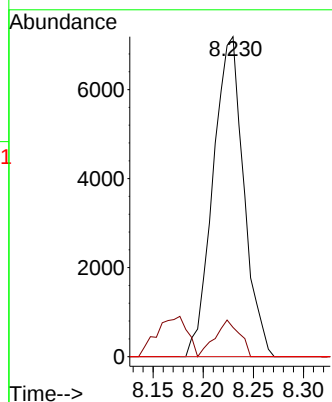
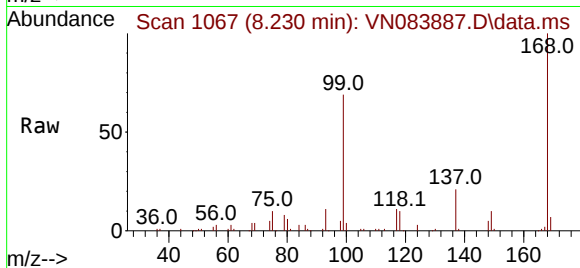
Tgt Ion: 75 Resp: 15326

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.332 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083887.D

Acq: 14 Sep 2024 13:56

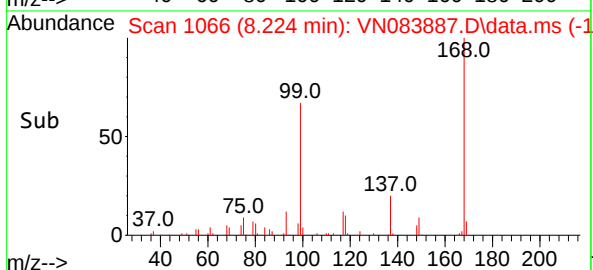
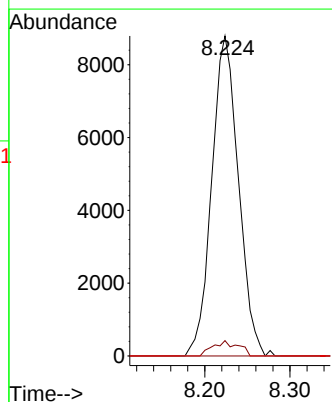
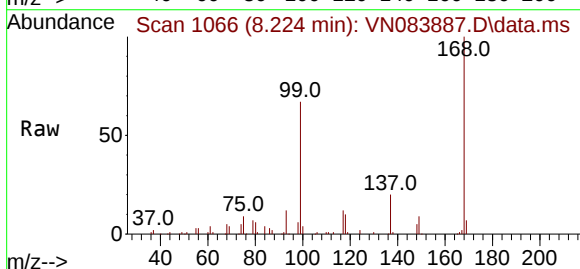
Tgt Ion: 117 Resp: 19147

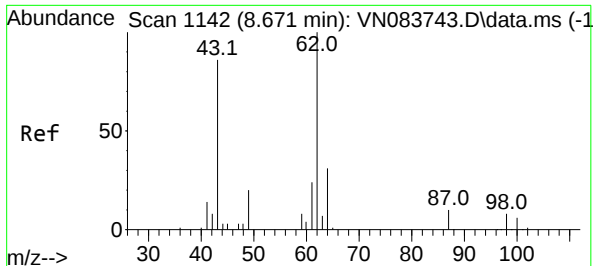
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.1 36.1#

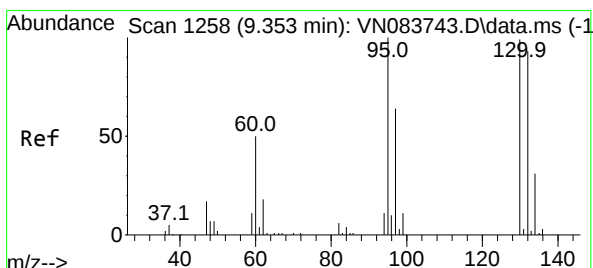
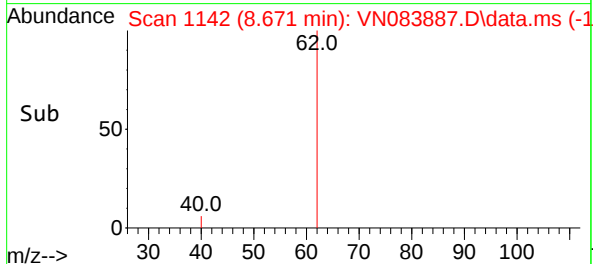
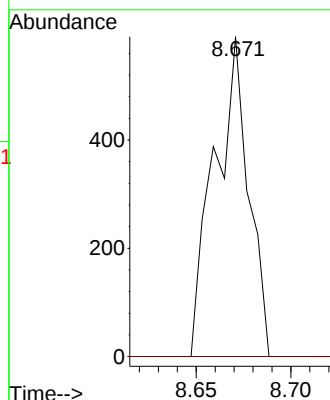
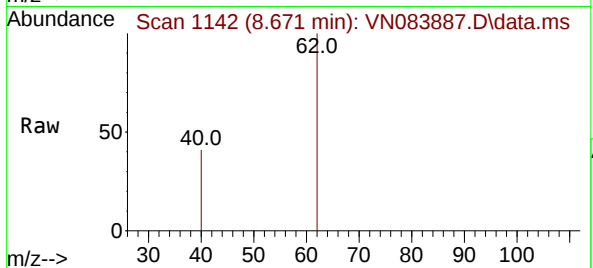




#42
1,2-Dichloroethane
Concen: 0.247 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

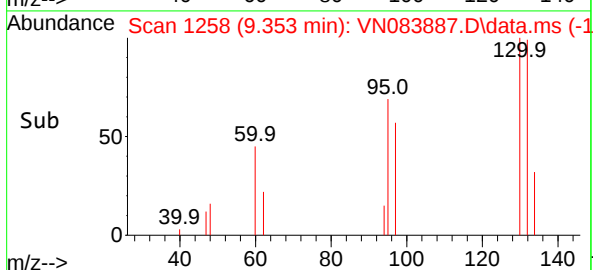
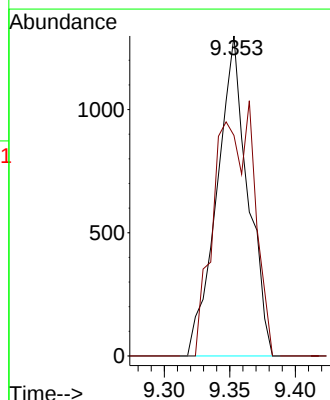
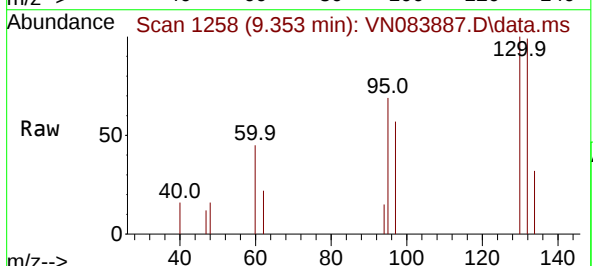
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20240910RE

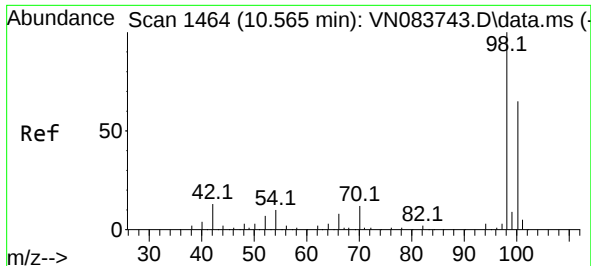
Tgt Ion: 62 Resp: 739
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#44
Trichloroethene
Concen: 1.145 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

Tgt Ion: 130 Resp: 2127
Ion Ratio Lower Upper
130 100
95 68.9 0.0 200.4

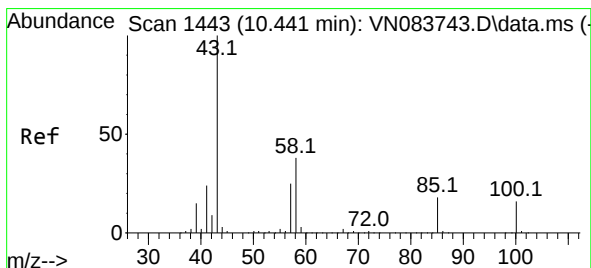
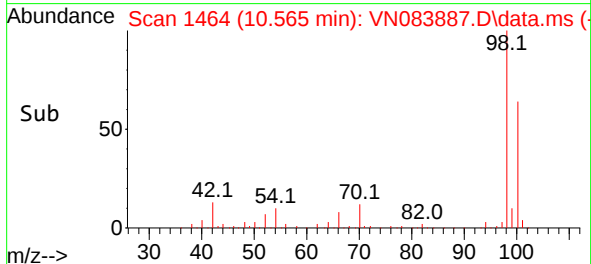
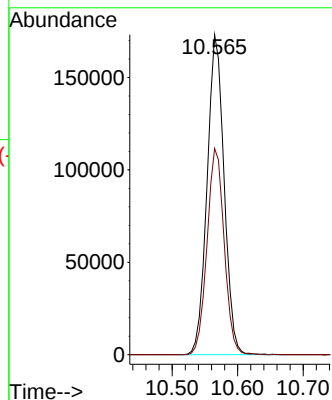
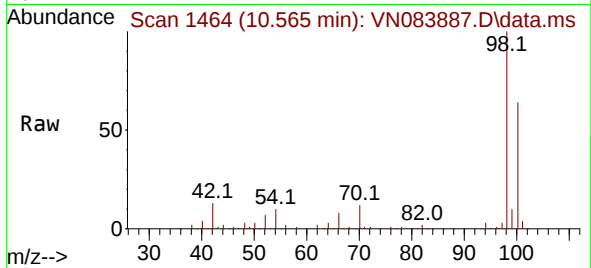




#50
Toluene-d8
Concen: 51.050 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

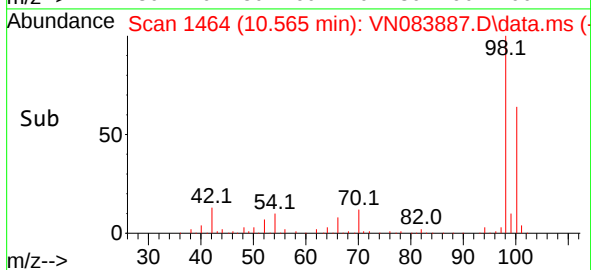
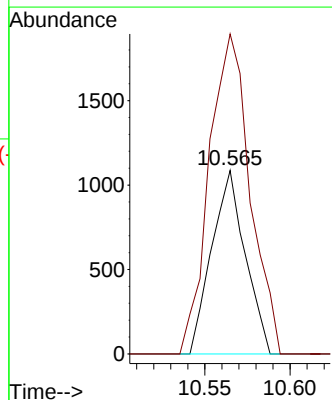
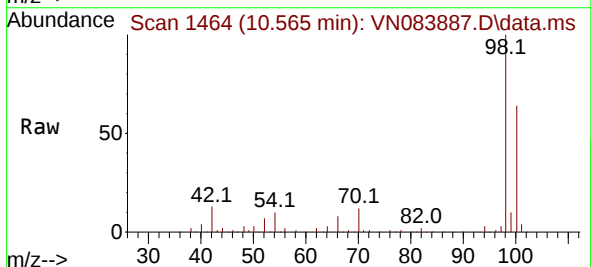
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20240910RE

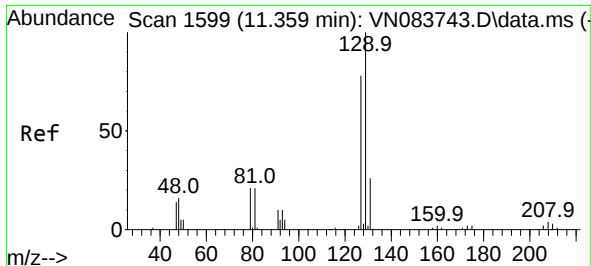
Tgt Ion: 98 Resp: 312508
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.622 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 212.5 31.6 47.4#

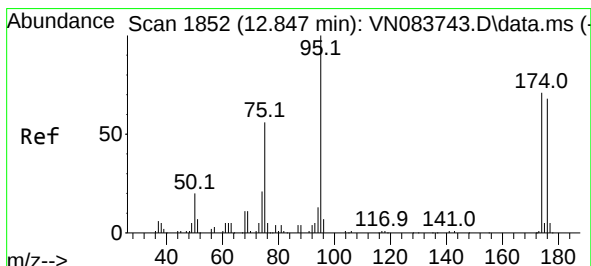
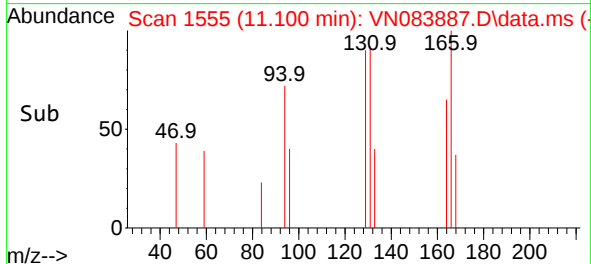
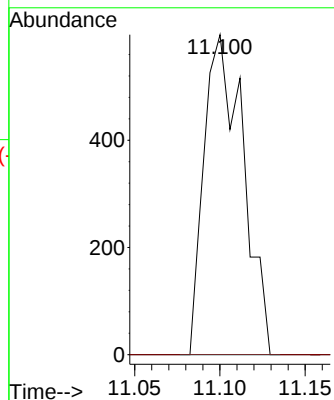
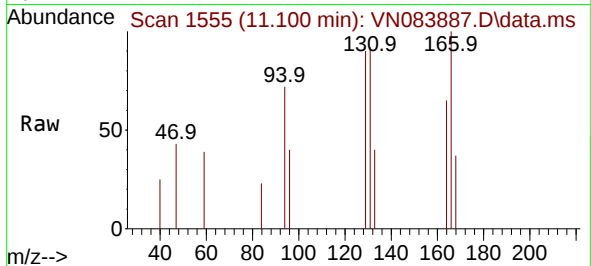




#60
Dibromochloromethane
Concen: 0.463 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

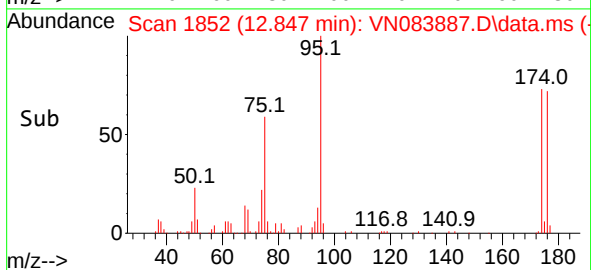
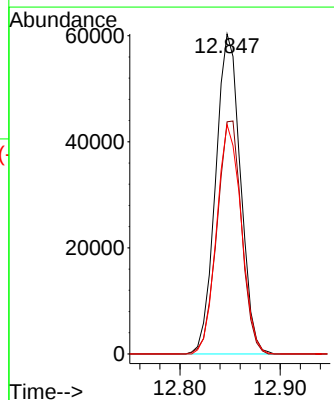
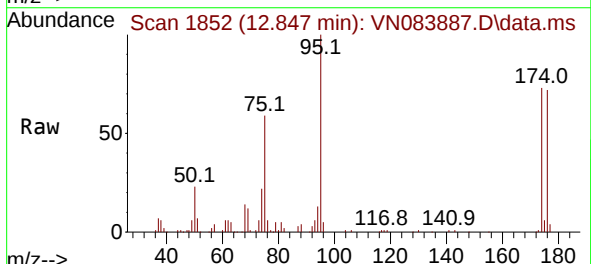
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20240910RE

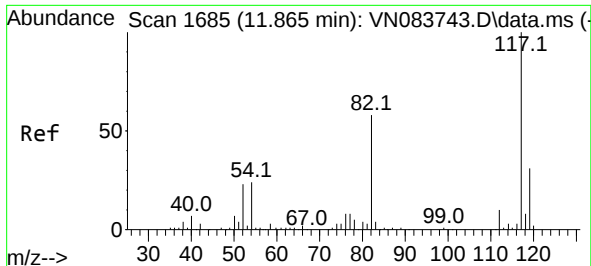
Tgt Ion:129 Resp: 950
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 40.934 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

Tgt Ion: 95 Resp: 103384
Ion Ratio Lower Upper
95 100
174 72.2 0.0 139.8
176 71.3 0.0 131.4

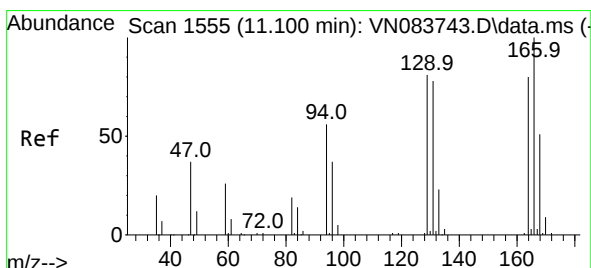
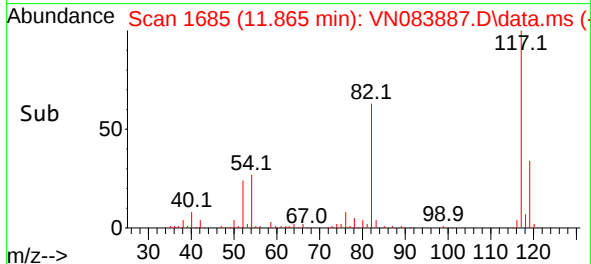
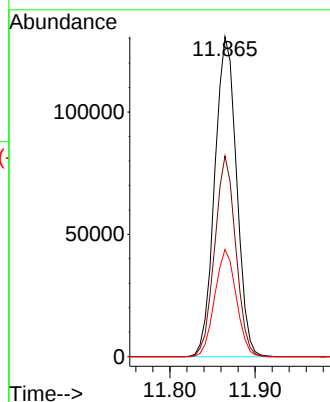
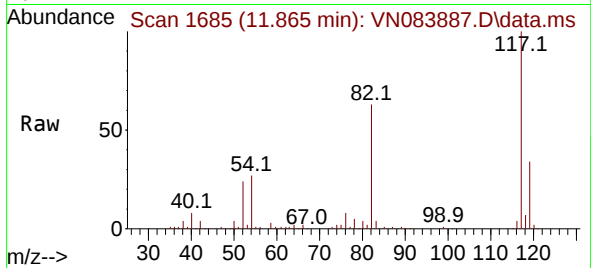




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

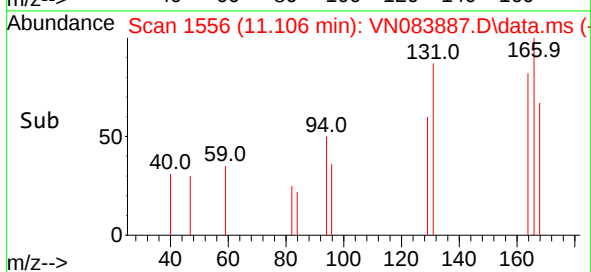
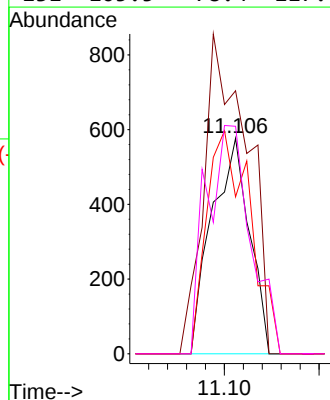
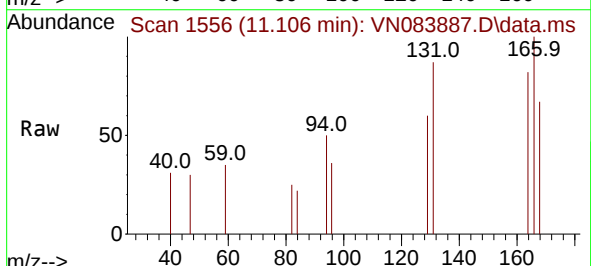
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20240910RE

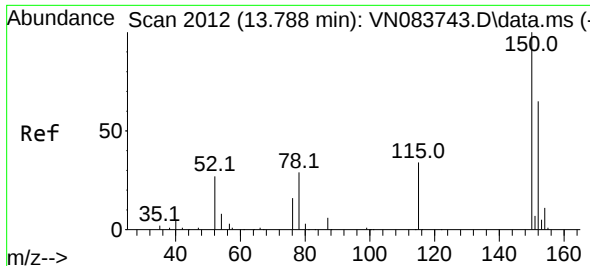
Tgt Ion:117 Resp: 233176
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.0
119 33.5 26.3 39.5



#64
Tetrachloroethene
Concen: 0.512 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

Tgt Ion:164 Resp: 794
Ion Ratio Lower Upper
164 100
166 122.0 103.7 155.5
129 72.8 79.9 119.9#
131 105.5 78.4 117.6

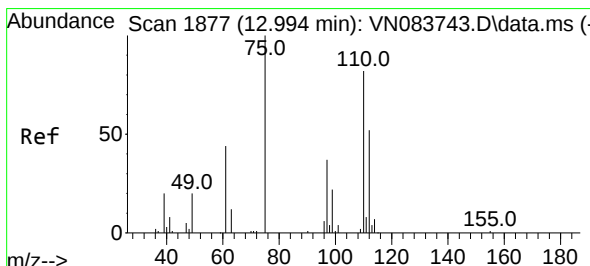
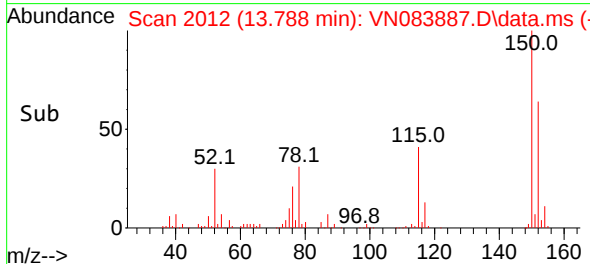
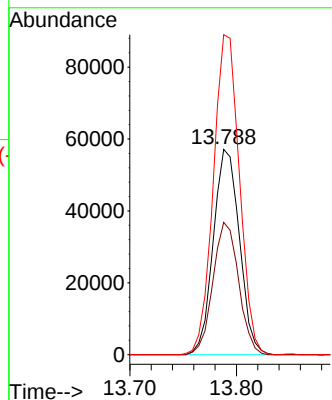
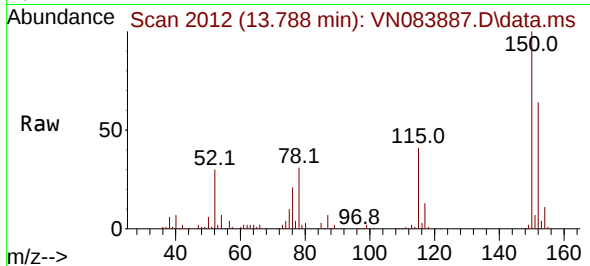




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN083887.D
 Acq: 14 Sep 2024 13:56

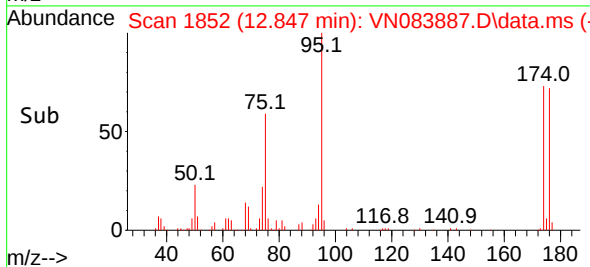
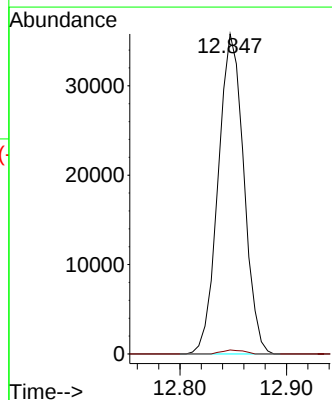
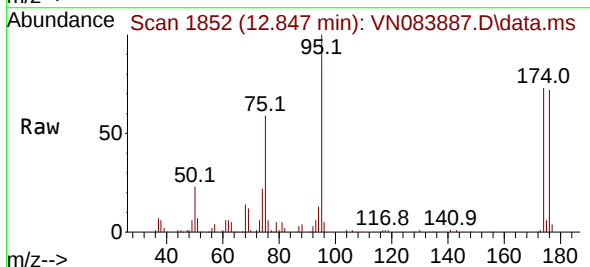
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20240910RE

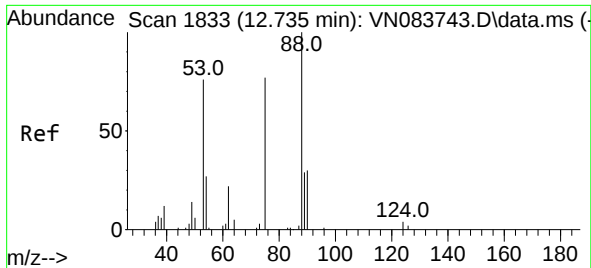
Tgt Ion:152 Resp: 97116
 Ion Ratio Lower Upper
 152 100
 115 63.4 32.2 96.6
 150 155.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 30.471 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083887.D
 Acq: 14 Sep 2024 13:56

Tgt Ion: 75 Resp: 59711
 Ion Ratio Lower Upper
 75 100
 77 1.1 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 79.805 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083887.D
Acq: 14 Sep 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20240910RE

Tgt Ion: 75 Resp: 59711
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

