

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091624\
 Data File : VN083919.D
 Acq On : 16 Sep 2024 15:51
 Operator : JC\MD
 Sample : P3957-08DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20240910DL

Quant Time: Sep 17 02:33:58 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)

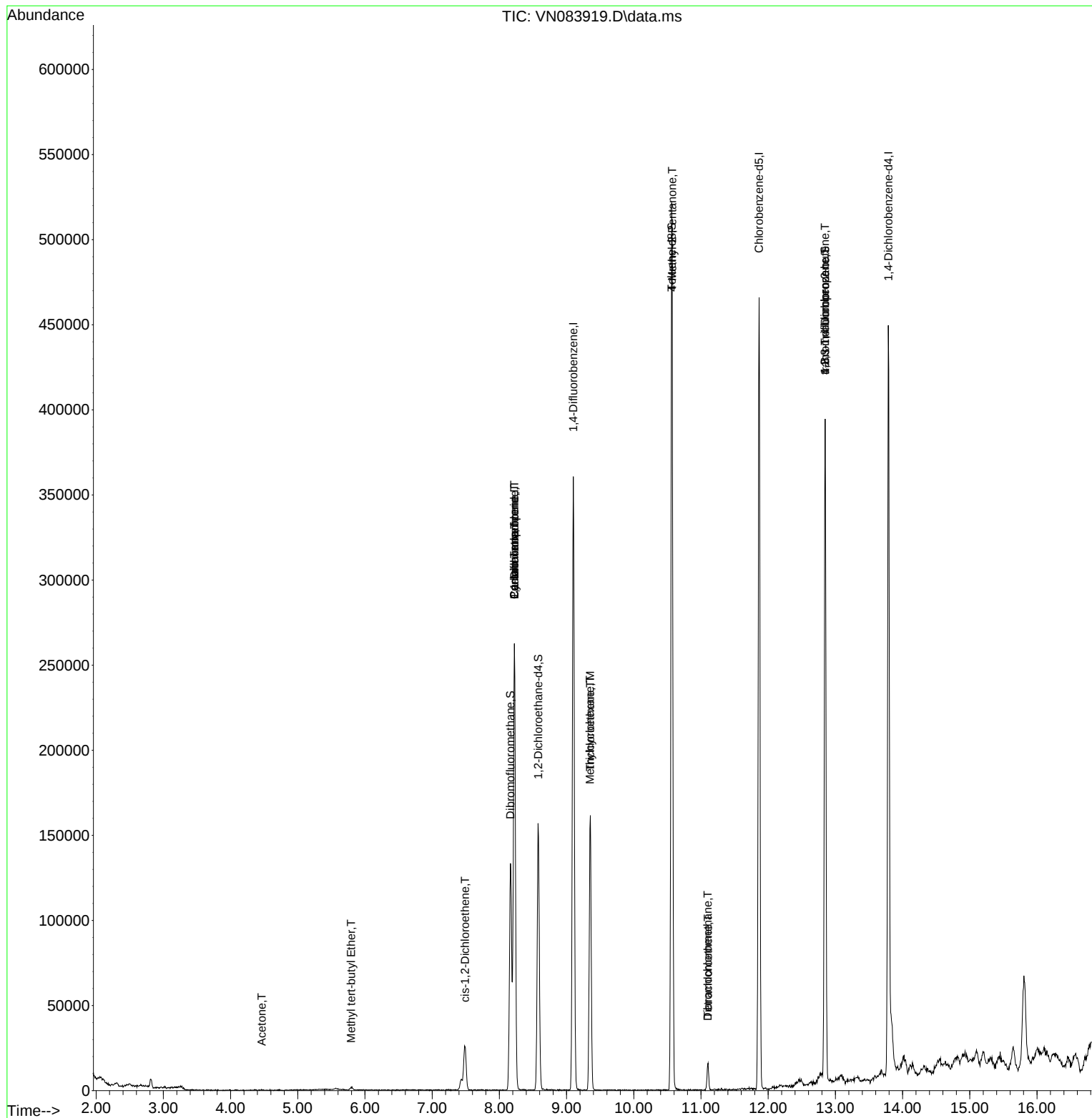
Internal Standards						
1) Pentafluorobenzene	8.224	168	176416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131505	49.436	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.880%
35) Dibromofluoromethane	8.165	113	93169	49.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.480%
50) Toluene-d8	10.565	98	353985	54.669	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.340%
62) 4-Bromofluorobenzene	12.847	95	132958	49.770	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	213	Below Cal	#	41
16) Acetone	4.465	43	239	0.224	ug/l #	45
19) Methyl tert-butyl Ether	5.795	73	2627	0.380	ug/l #	91
27) cis-1,2-Dichloroethene	7.489	96	15246	6.281	ug/l	93
31) Cyclohexane	8.224	56	4595	1.195	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	16151	5.729	ug/l #	51
38) Carbon Tetrachloride	8.224	117	21341	6.673	ug/l #	18
39) Methylcyclohexane	9.347	83	723	0.225	ug/l #	5
44) Trichloroethene	9.353	130	56121	28.561	ug/l	99
51) 4-Methyl-2-Pentanone	10.571	43	2087	0.827	ug/l #	1
60) Dibromochloromethane	11.100	129	3602	1.661	ug/l #	10
64) Tetrachloroethene	11.106	164	3215	1.940	ug/l	96
76) 1,2,3-Trichloropropane	12.847	75	75345	34.873	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75345	91.335	ug/l #	9

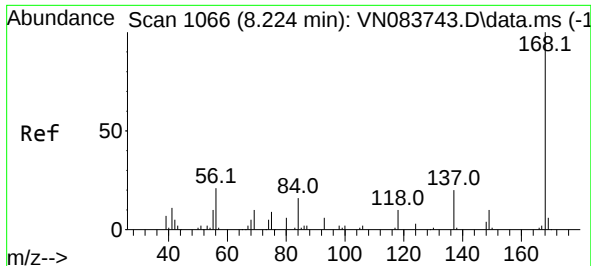
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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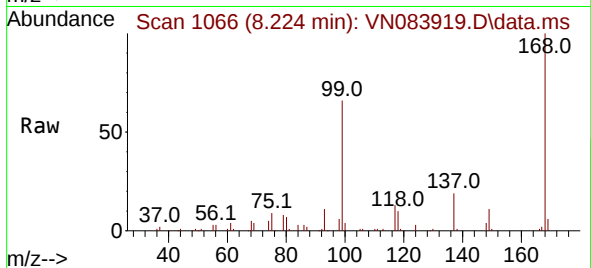
Quant Time: Sep 17 02:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



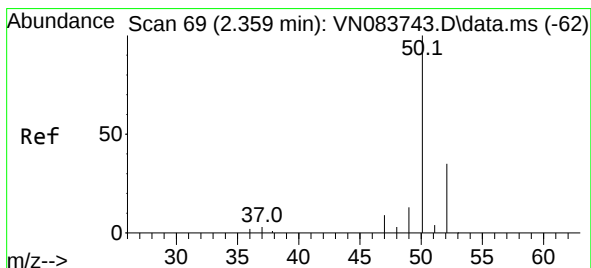
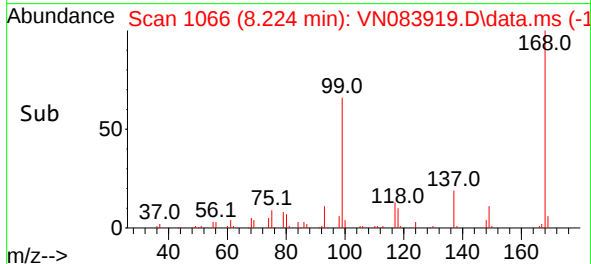
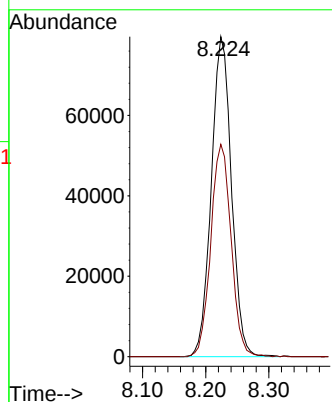


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

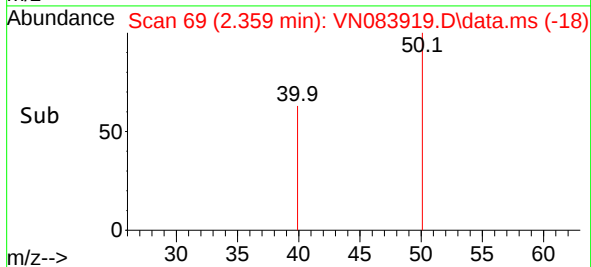
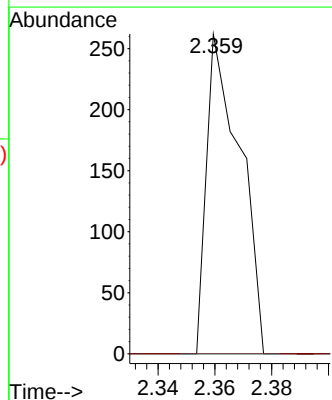
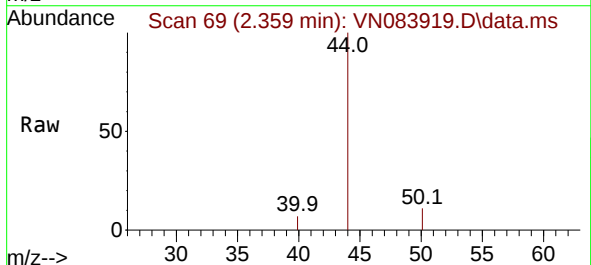


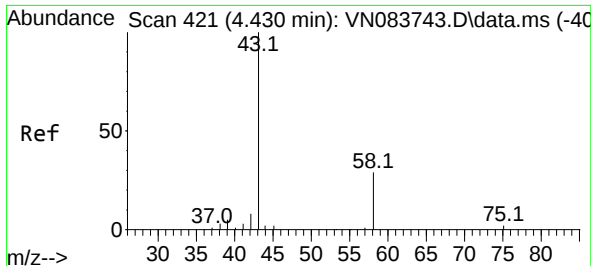
Tgt Ion:168 Resp: 176416
Ion Ratio Lower Upper
168 100
99 66.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

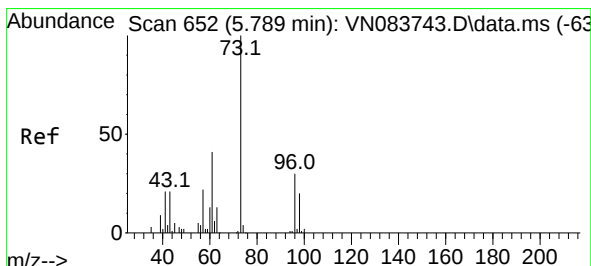
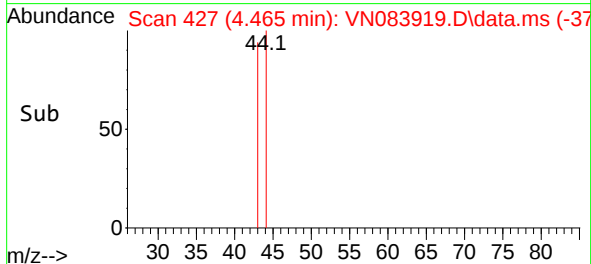
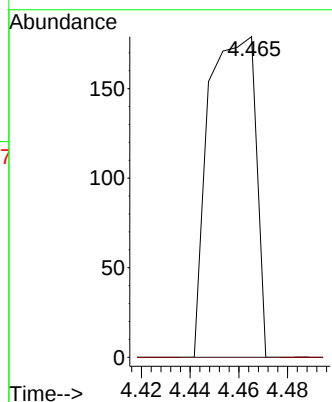
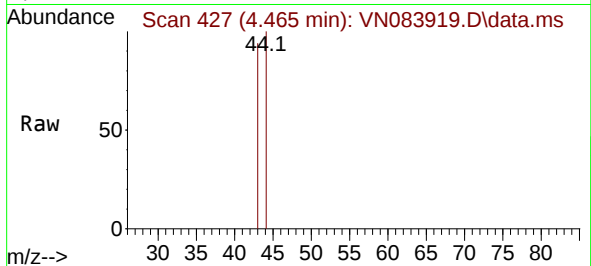




#16
Acetone
Concen: 0.224 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

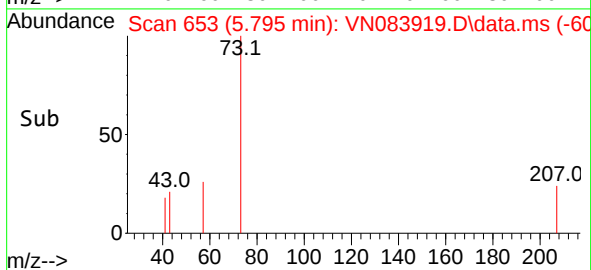
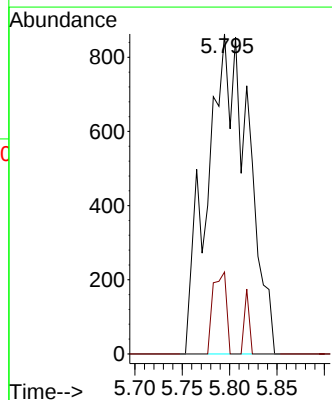
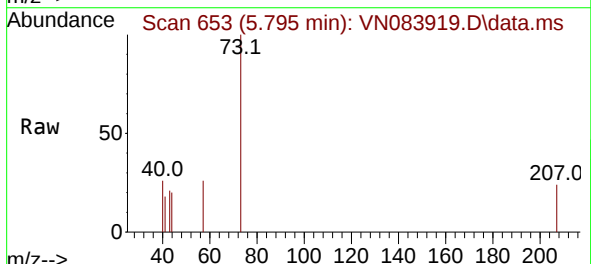
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

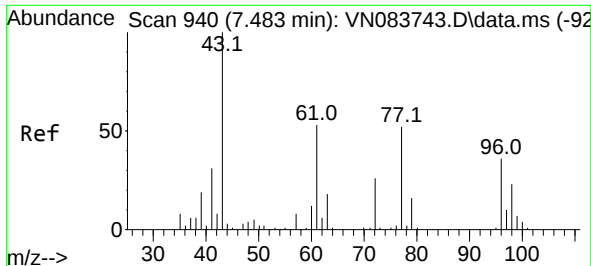
Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#19
Methyl tert-butyl Ether
Concen: 0.380 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 73 Resp: 2627
Ion Ratio Lower Upper
73 100
57 25.6 17.0 25.6#

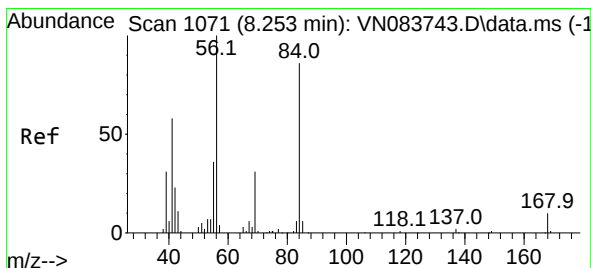
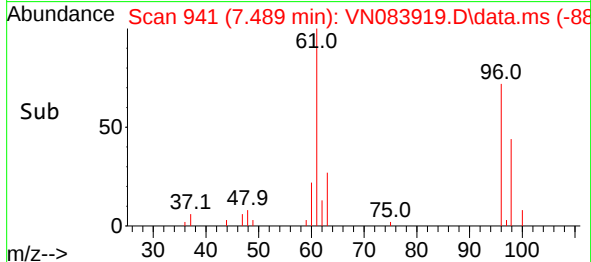
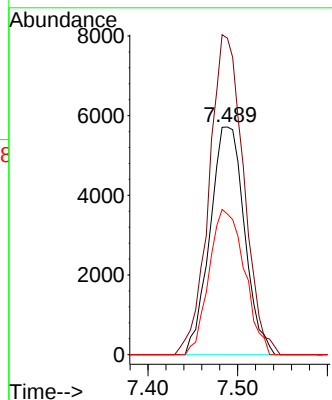
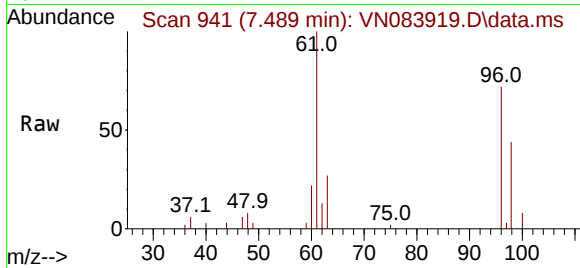




#27
 cis-1,2-Dichloroethene
 Concen: 6.281 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN083919.D
 Acq: 16 Sep 2024 15:51

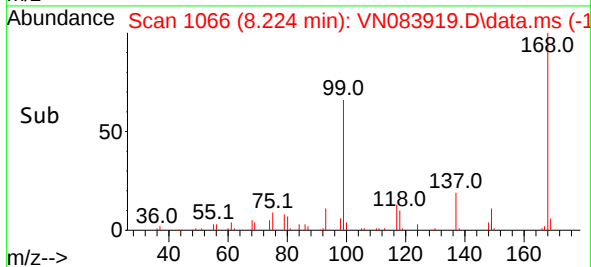
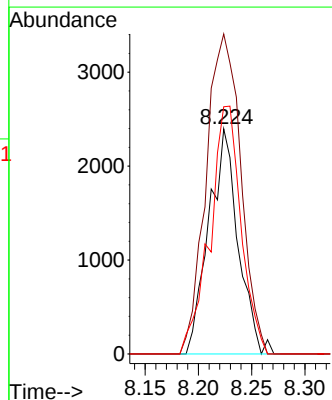
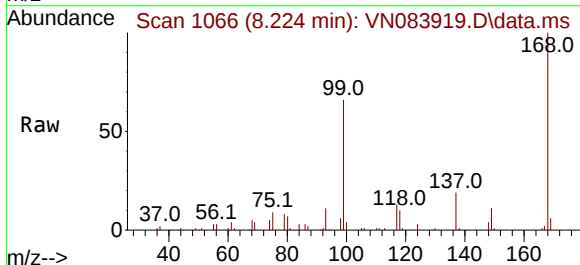
Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20240910DL

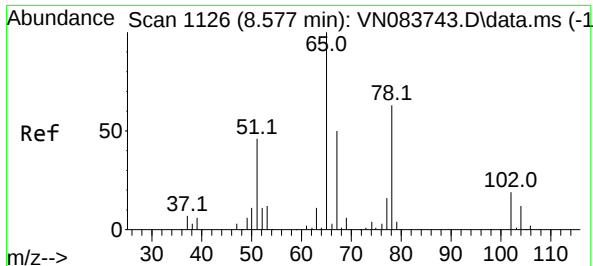
Tgt Ion: 96 Resp: 15246
 Ion Ratio Lower Upper
 96 100
 61 140.4 0.0 306.2
 98 65.3 0.0 128.6



#31
 Cyclohexane
 Concen: 1.195 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.029 min
 Lab File: VN083919.D
 Acq: 16 Sep 2024 15:51

Tgt Ion: 56 Resp: 4595
 Ion Ratio Lower Upper
 56 100
 69 142.1 26.9 40.3#
 84 109.8 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 49.436 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083919.D

Acq: 16 Sep 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

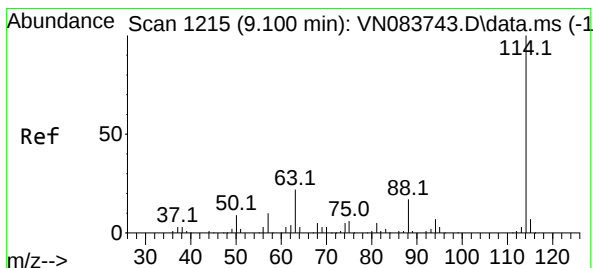
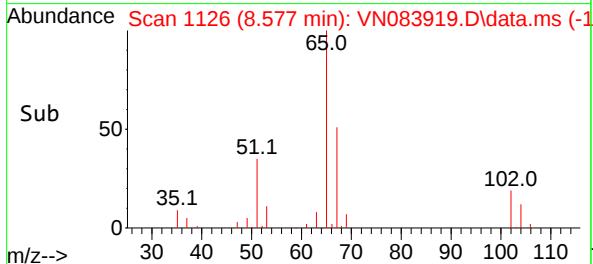
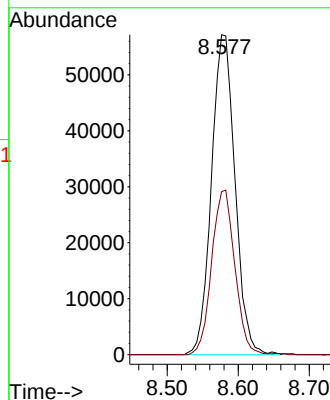
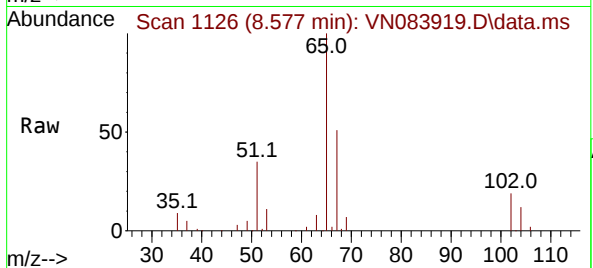
MW179D-20240910DL

Tgt Ion: 65 Resp: 131505

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083919.D

Acq: 16 Sep 2024 15:51

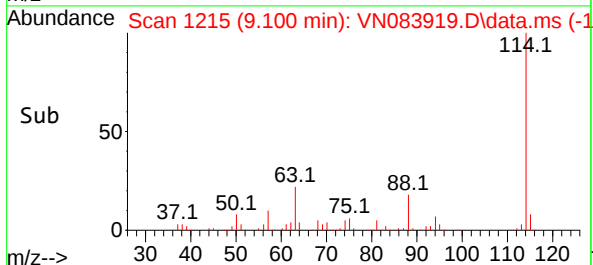
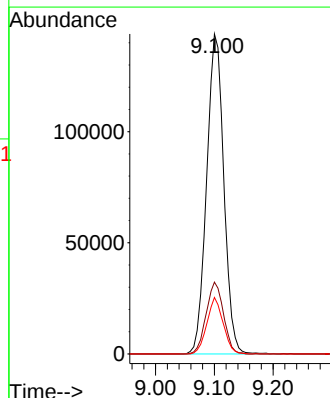
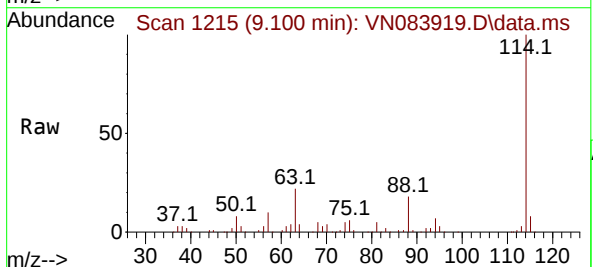
Tgt Ion: 114 Resp: 292569

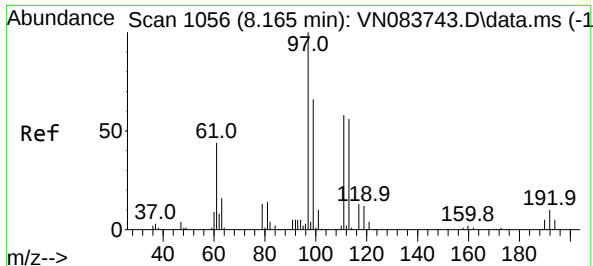
Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

88 17.6 0.0 32.6

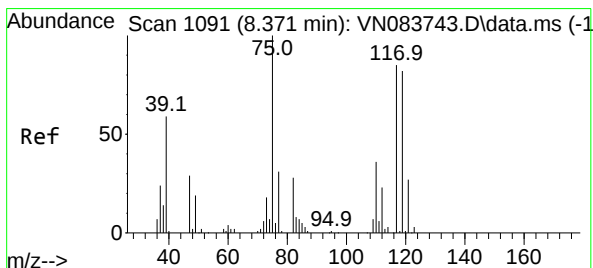
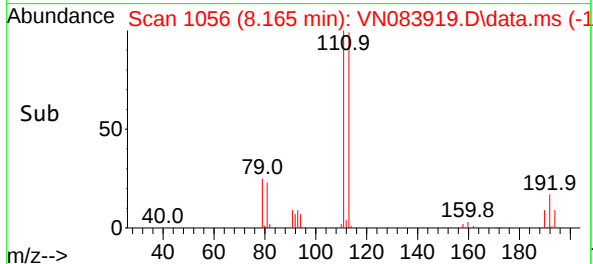
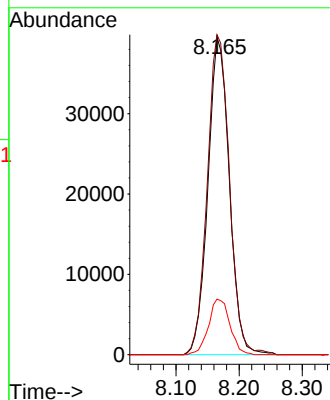
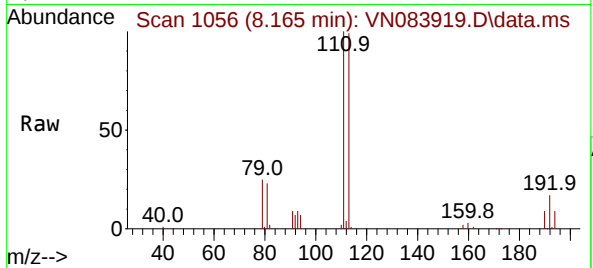




#35
Dibromofluoromethane
Concen: 49.743 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

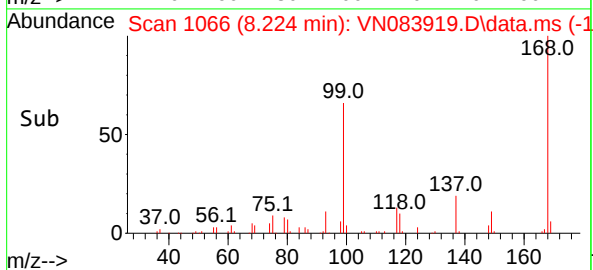
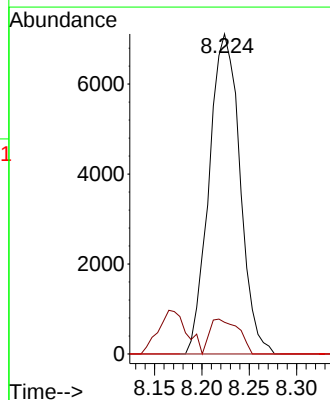
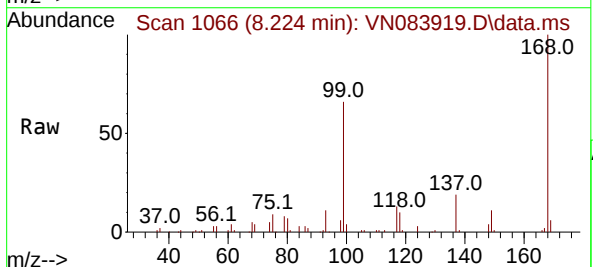
Instrument :
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MW179D-20240910DL

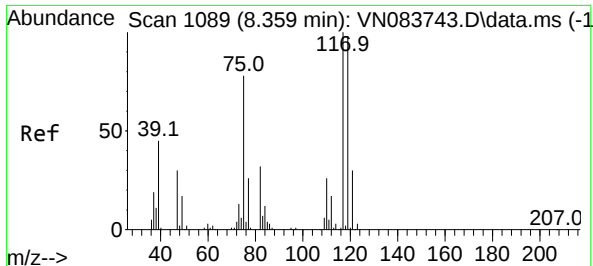
Tgt Ion:113 Resp: 93169
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.729 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

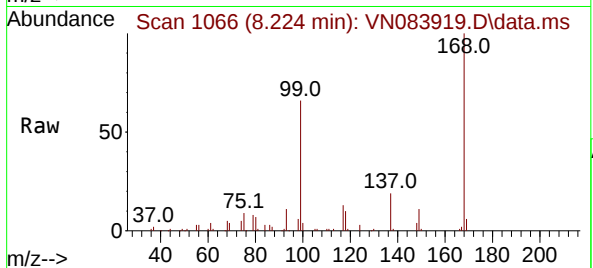
Tgt Ion: 75 Resp: 16151
Ion Ratio Lower Upper
75 100
110 10.2 16.7 50.1#
77 0.0 25.2 37.8#



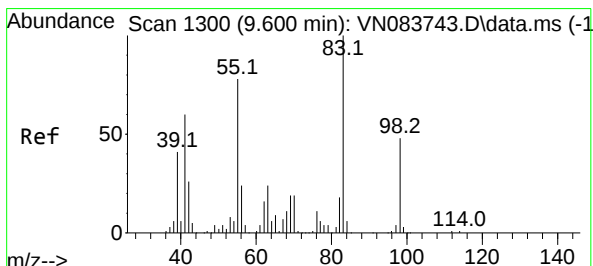
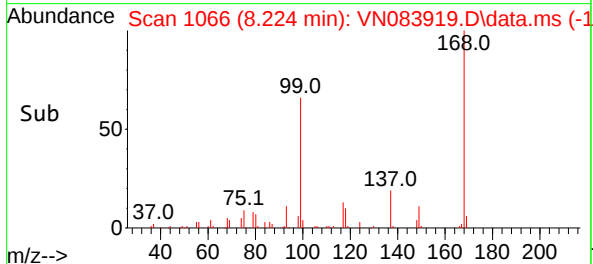
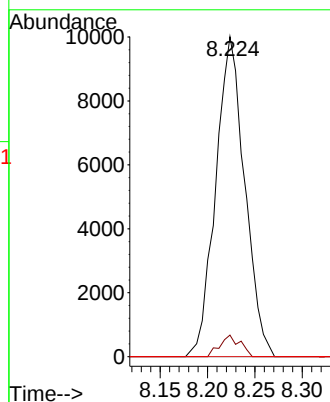


#38
Carbon Tetrachloride
Concen: 6.673 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

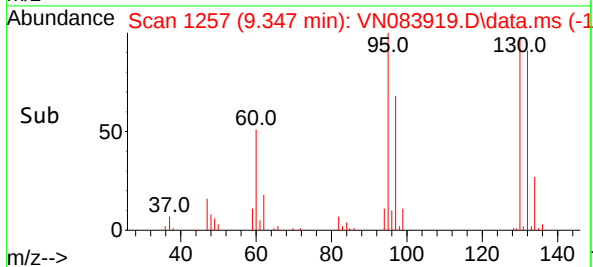
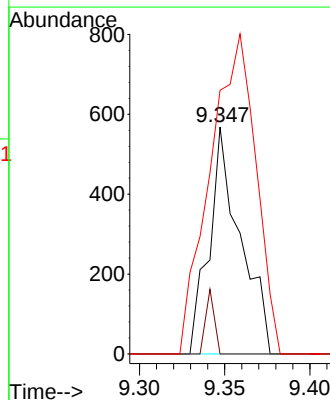
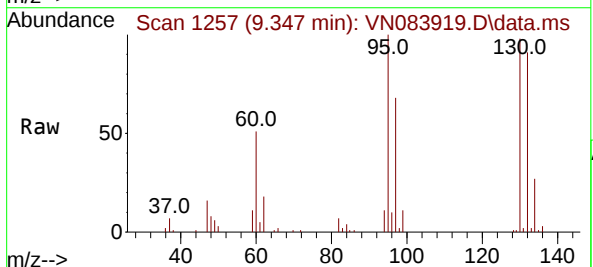


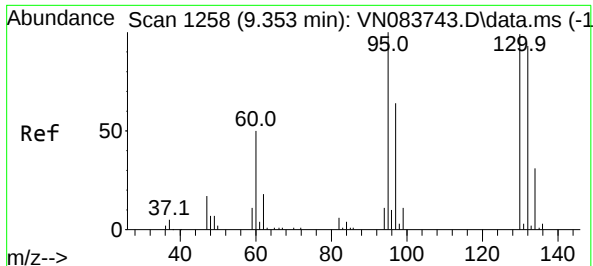
Tgt Ion: 117 Resp: 21341
Ion Ratio Lower Upper
117 100
119 6.8 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.225 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.253 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 83 Resp: 723
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 116.2 37.6 56.4#

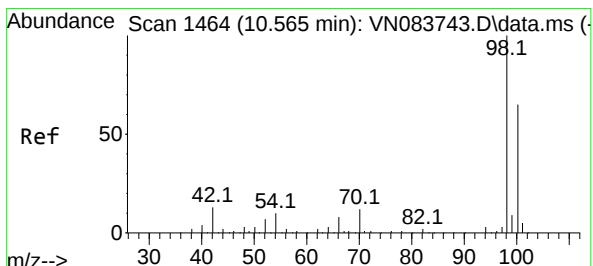
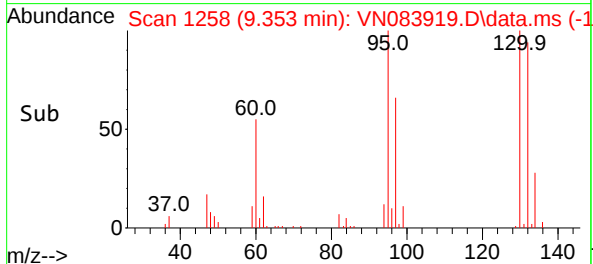
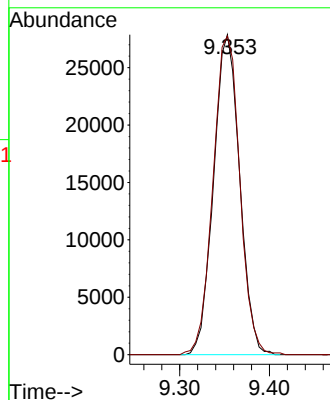
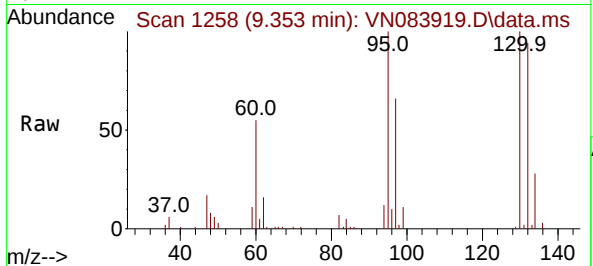




#44
Trichloroethene
Concen: 28.561 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

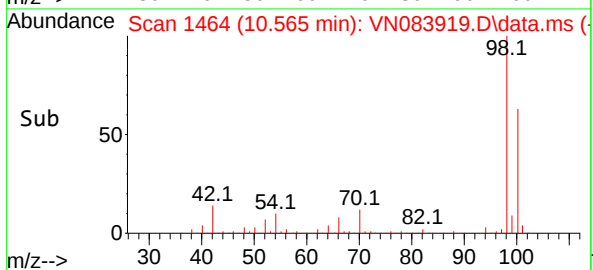
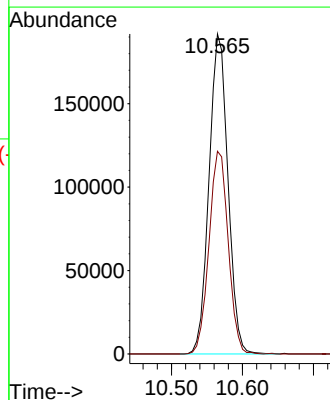
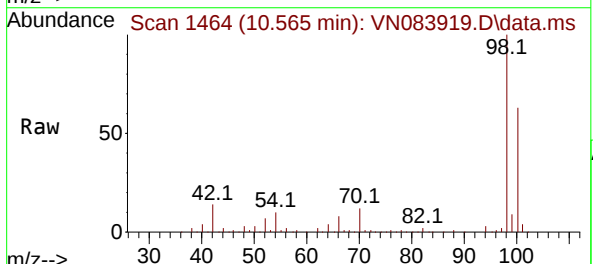
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

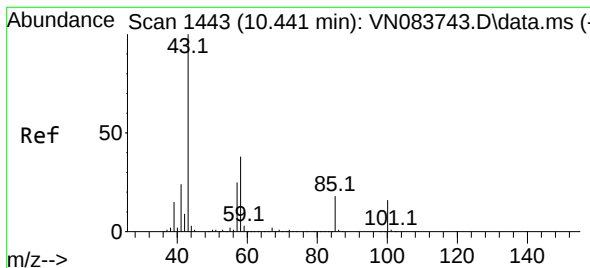
Tgt Ion:130 Resp: 56121
Ion Ratio Lower Upper
130 100
95 99.6 0.0 200.4



#50
Toluene-d8
Concen: 54.669 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 98 Resp: 353985
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

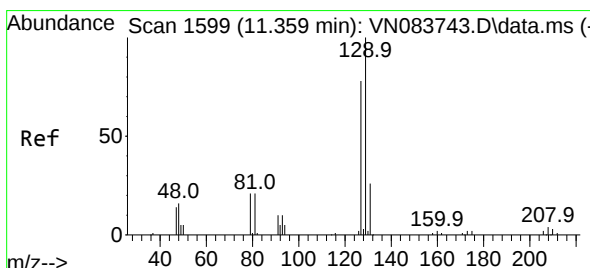
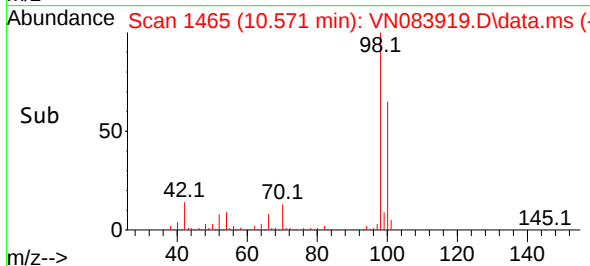
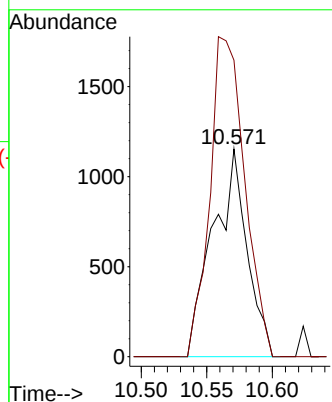
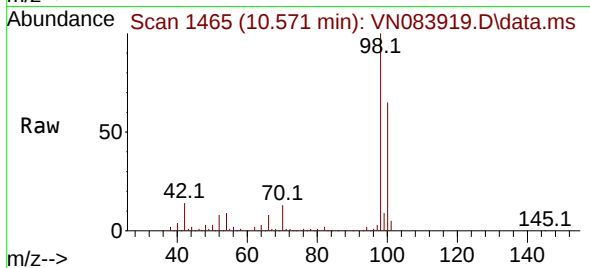




#51
4-Methyl-2-Pentanone
Concen: 0.827 ug/l
RT: 10.571 min Scan# 1443
Delta R.T. 0.129 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

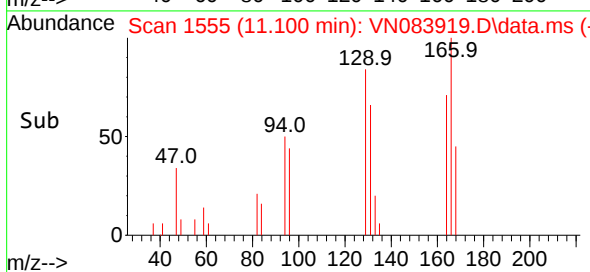
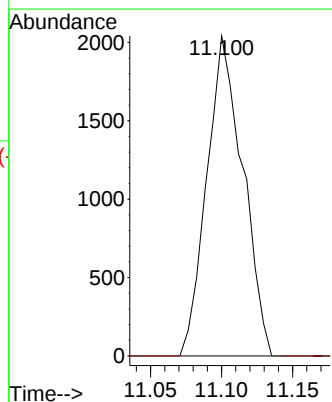
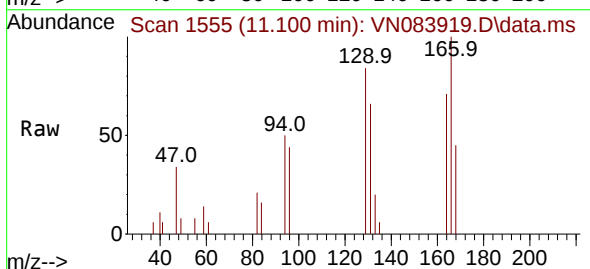
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

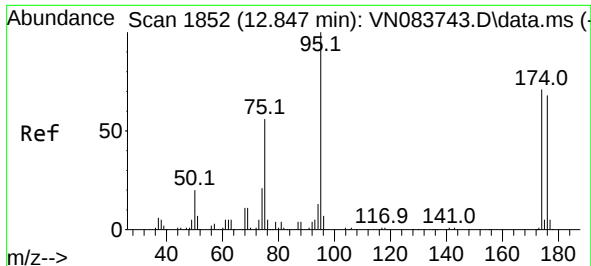
Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 158.2 31.6 47.4#



#60
Dibromochloromethane
Concen: 1.661 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 129 Resp: 3602
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

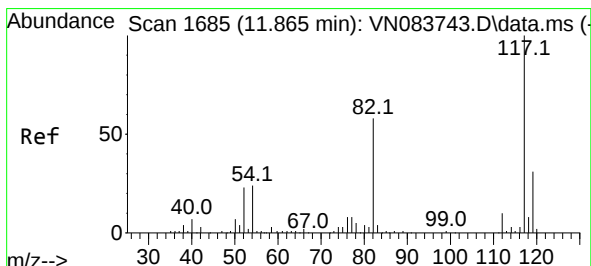
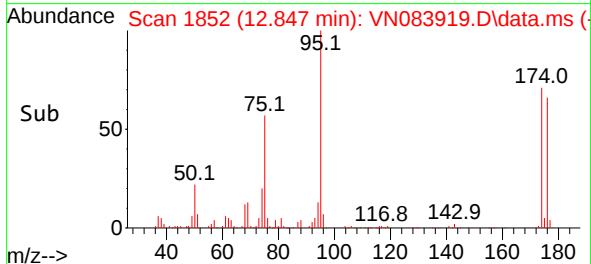
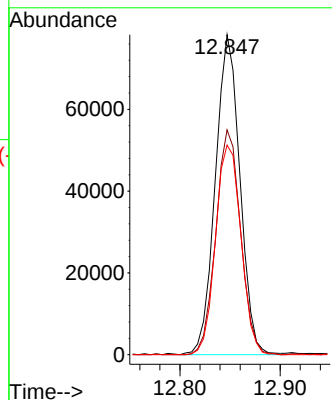
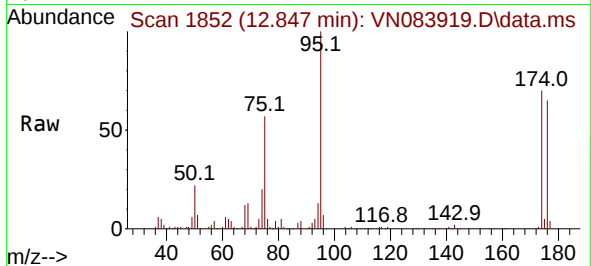




#62
4-Bromofluorobenzene
Concen: 49.770 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

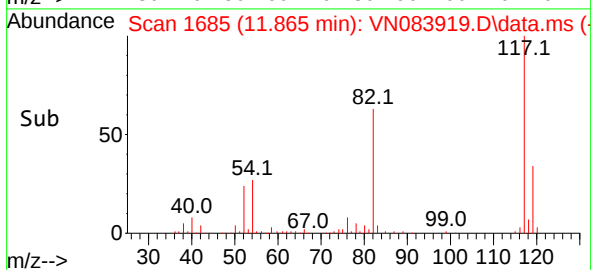
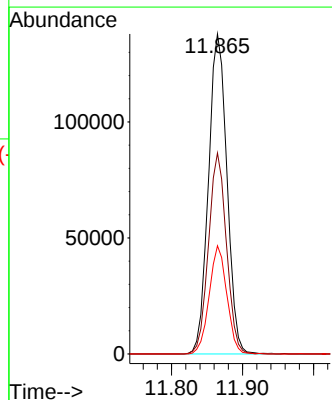
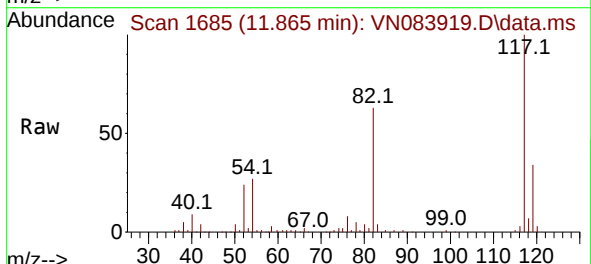
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

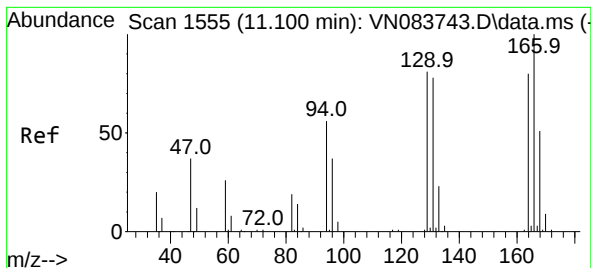
Tgt Ion: 95 Resp: 132958
Ion Ratio Lower Upper
95 100
174 70.7 0.0 139.8
176 67.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 117 Resp: 249211
Ion Ratio Lower Upper
117 100
82 62.8 47.4 71.0
119 33.8 26.3 39.5





#64

Tetrachloroethene

Concen: 1.940 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083919.D

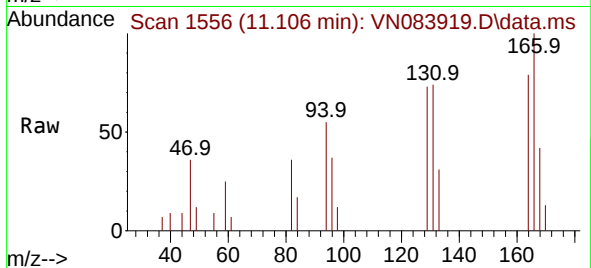
Acq: 16 Sep 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

MW179D-20240910DL



Tgt Ion:164 Resp: 3215

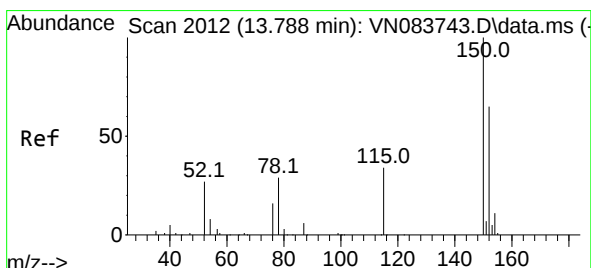
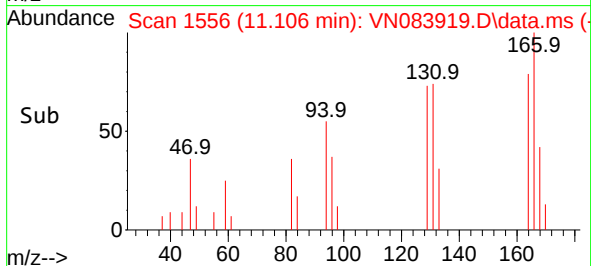
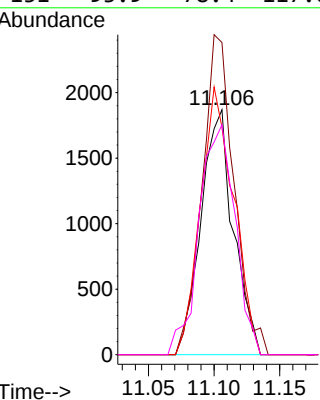
Ion Ratio Lower Upper

164 100

166 127.4 103.7 155.5

129 92.8 79.9 119.9

131 93.9 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: VN083919.D

Acq: 16 Sep 2024 15:51

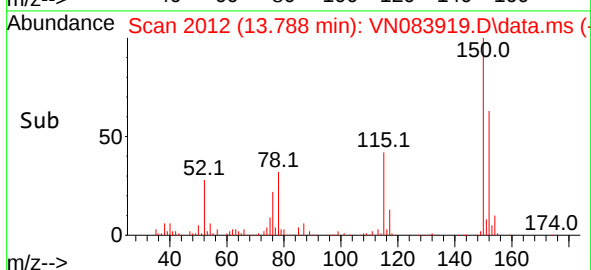
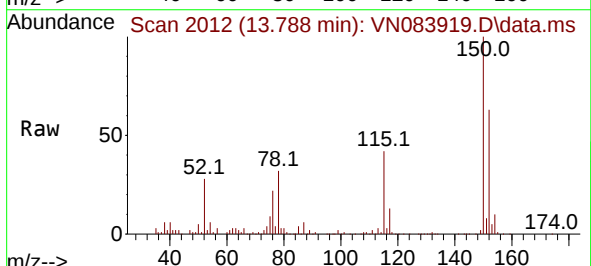
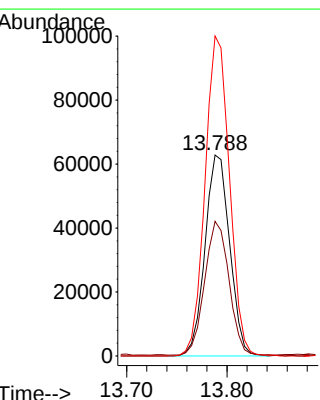
Tgt Ion:152 Resp: 107074

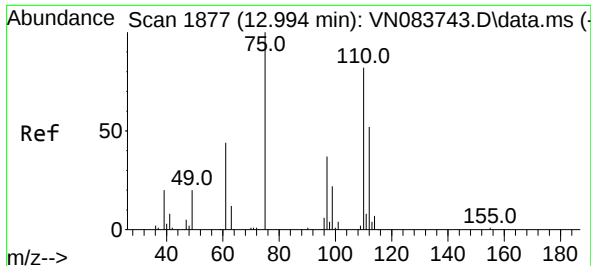
Ion Ratio Lower Upper

152 100

115 65.7 32.2 96.6

150 157.5 0.0 348.6

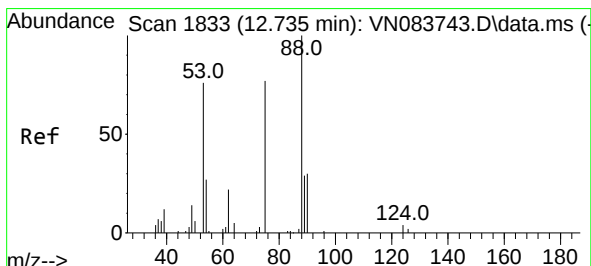
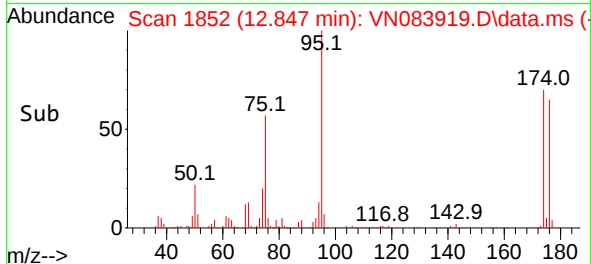
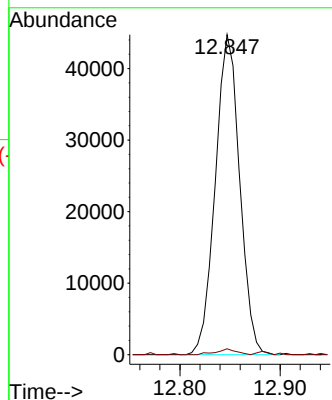
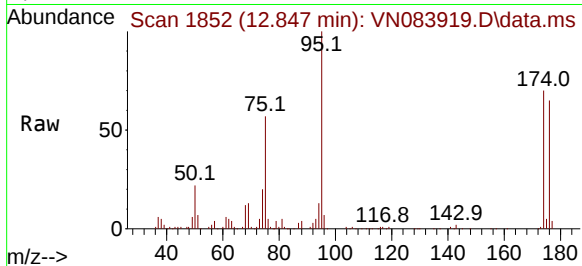




#76
1,2,3-Trichloropropane
Concen: 34.873 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20240910DL

Tgt Ion: 75 Resp: 75345
Ion Ratio Lower Upper
75 100
77 1.5 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.335 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083919.D
Acq: 16 Sep 2024 15:51

Tgt Ion: 75 Resp: 75345
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

