

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084037.D
 Acq On : 19 Sep 2024 16:28
 Operator : JC\MD
 Sample : P4003-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW178I-20240911

Quant Time: Sep 20 01:33:11 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)

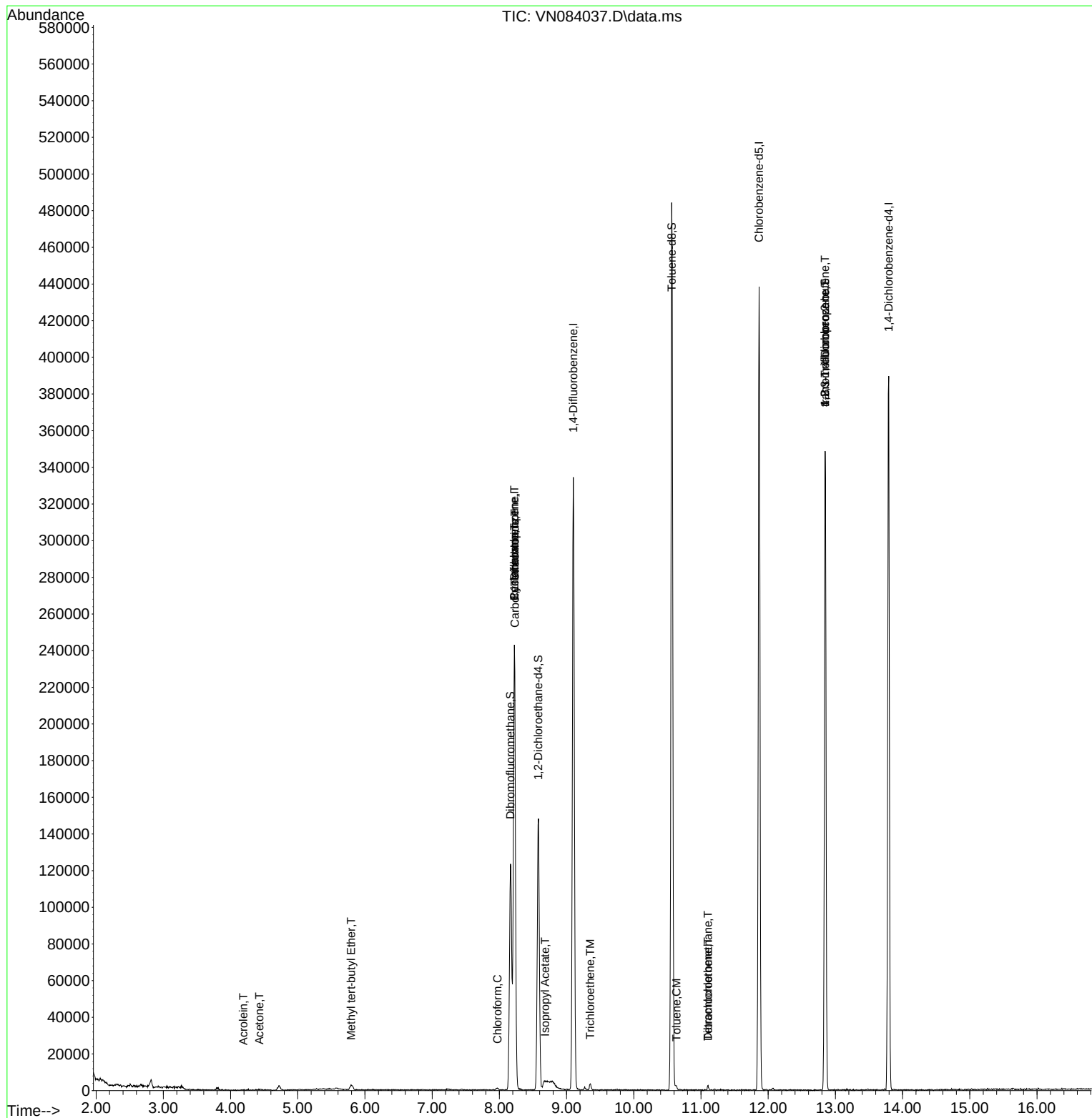
Internal Standards						
1) Pentafluorobenzene	8.224	168	159427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122896	51.123	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.240%		
35) Dibromofluoromethane	8.165	113	86477	48.963	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.920%		
50) Toluene-d8	10.565	98	325029	53.233	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.460%		
62) 4-Bromofluorobenzene	12.847	95	118268	46.949	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	573	Below Cal	#	69
13) Acrolein	4.189	56	75	0.236	ug/l #	13
16) Acetone	4.430	43	740	0.768	ug/l #	45
18) Methyl Acetate	5.024	43	125	Below Cal	#	52
19) Methyl tert-butyl Ether	5.795	73	4550	0.729	ug/l	91
30) Chloroform	7.971	83	1408	0.364	ug/l #	82
31) Cyclohexane	8.224	56	4690	1.350	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	15433	5.805	ug/l #	50
38) Carbon Tetrachloride	8.230	117	19106	6.335	ug/l #	18
43) Isopropyl Acetate	8.683	43	4087	0.935	ug/l #	57
44) Trichloroethene	9.353	130	1330	0.718	ug/l	87
52) Toluene	10.635	92	1102	0.225	ug/l	80
60) Dibromochloromethane	11.106	129	487	0.238	ug/l #	10
64) Tetrachloroethene	11.106	164	458	0.297	ug/l #	78
76) 1,2,3-Trichloropropane	12.847	75	68944	35.034	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68944	91.756	ug/l #	9

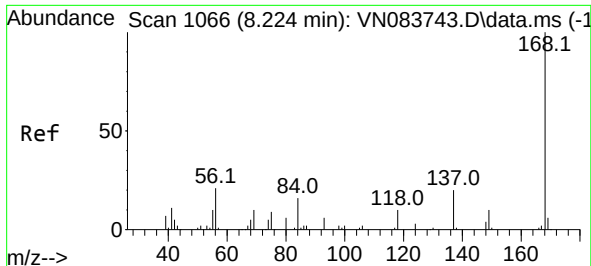
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 01:33:11 2024
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Quant Title : SW846 8260
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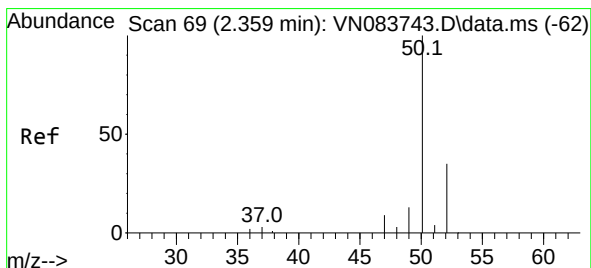
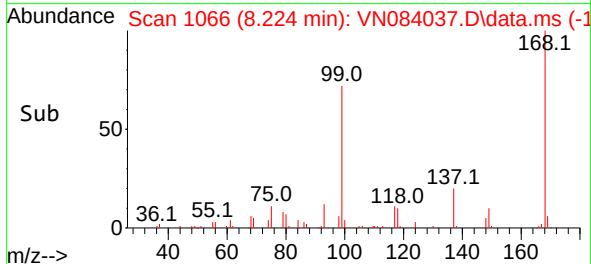
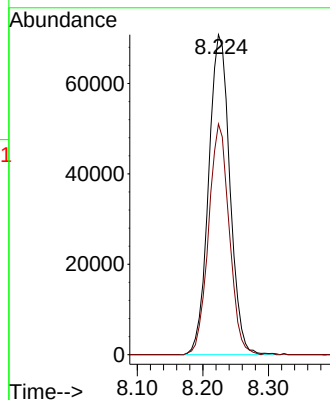
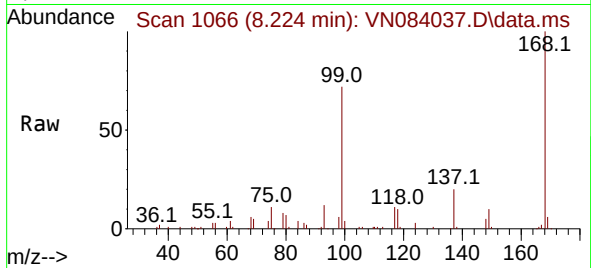




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

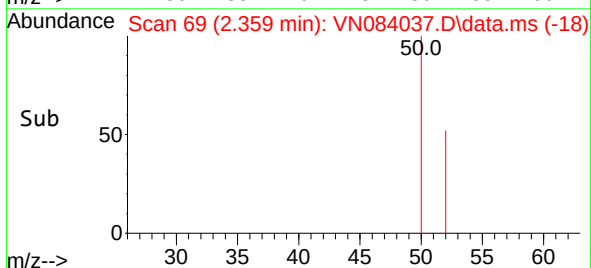
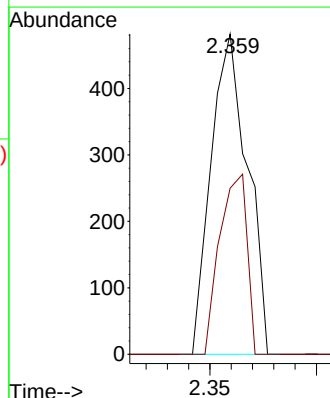
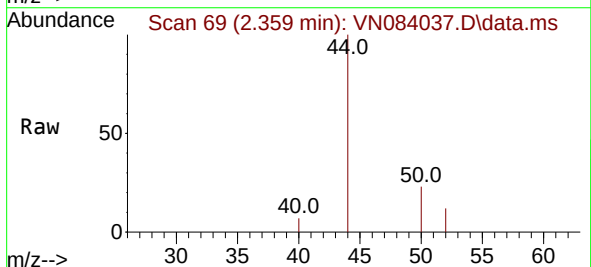
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20240911

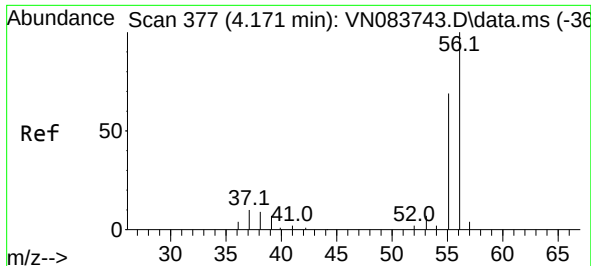
Tgt Ion:168 Resp: 159427
Ion Ratio Lower Upper
168 100
99 72.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 51.9 27.2 40.8#





#13

Acrolein

Concen: 0.236 ug/l

RT: 4.189 min Scan# 377

Delta R.T. 0.018 min

Lab File: VN084037.D

Acq: 19 Sep 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

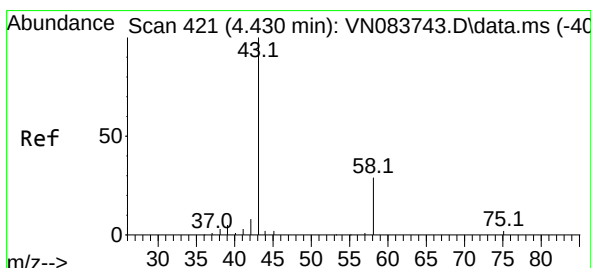
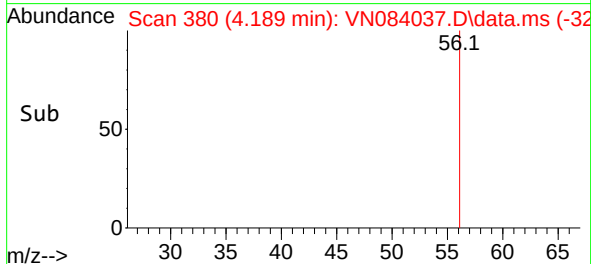
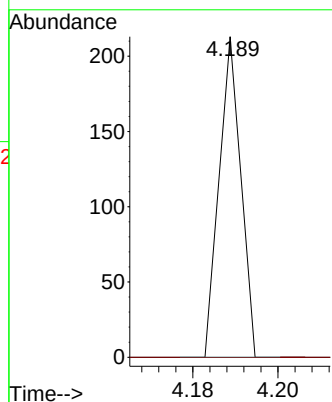
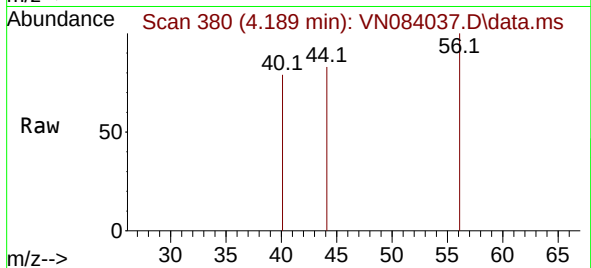
MW178I-20240911

Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 0.768 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN084037.D

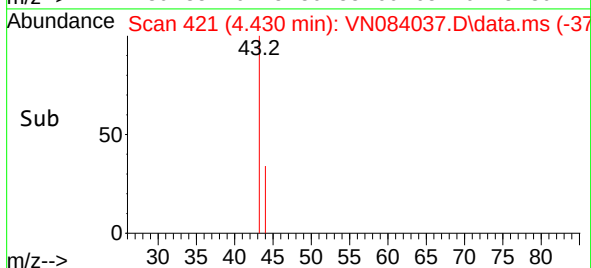
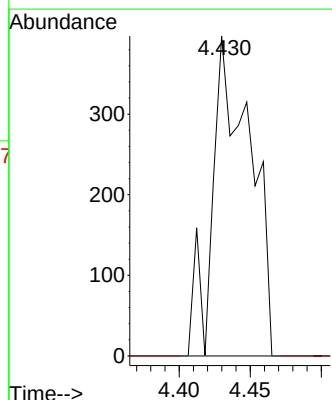
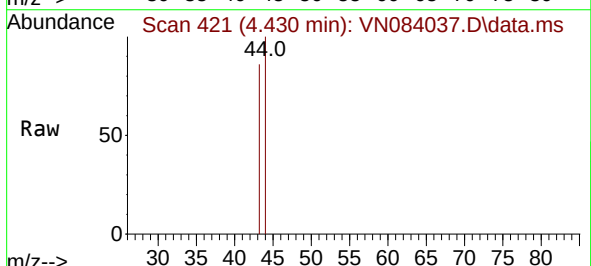
Acq: 19 Sep 2024 16:28

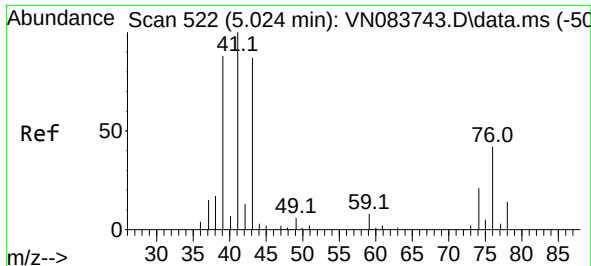
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN084037.D

Acq: 19 Sep 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

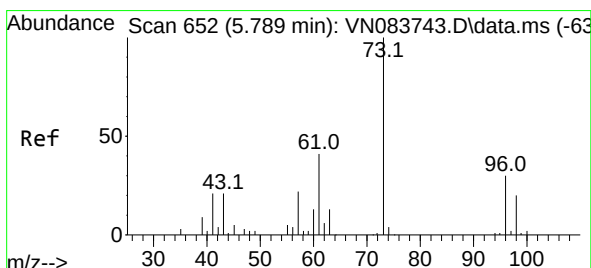
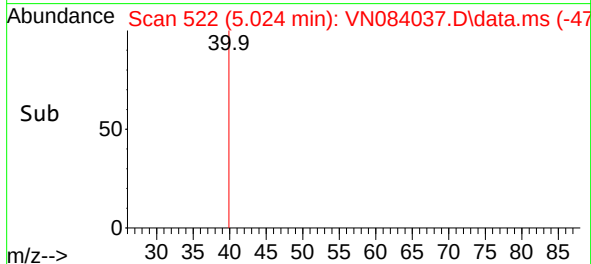
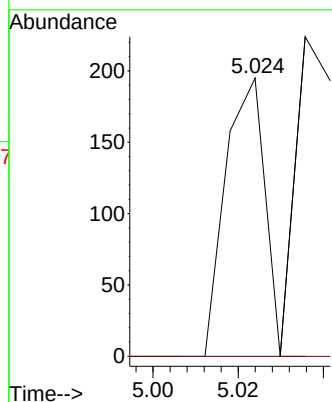
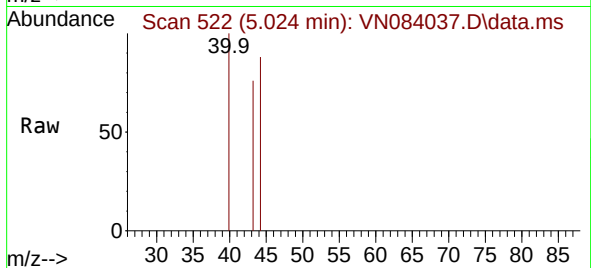
MW178I-20240911

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 0.729 ug/l

RT: 5.795 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN084037.D

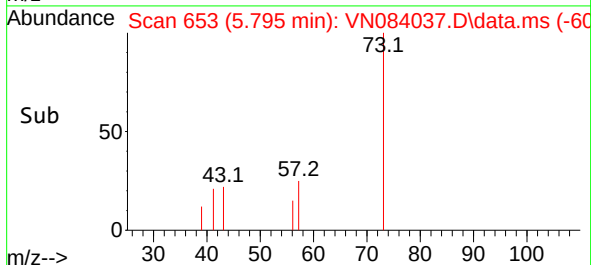
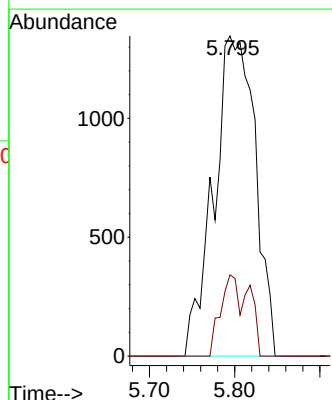
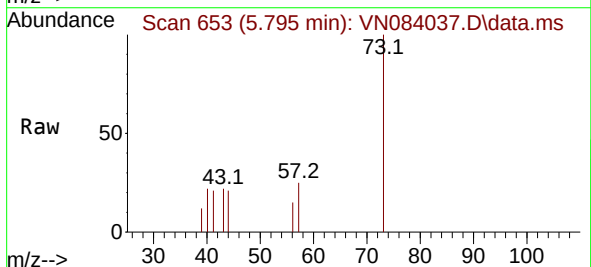
Acq: 19 Sep 2024 16:28

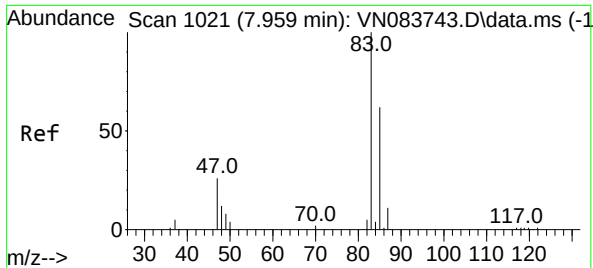
Tgt Ion: 73 Resp: 4550

Ion Ratio Lower Upper

73 100

57 25.4 17.0 25.6

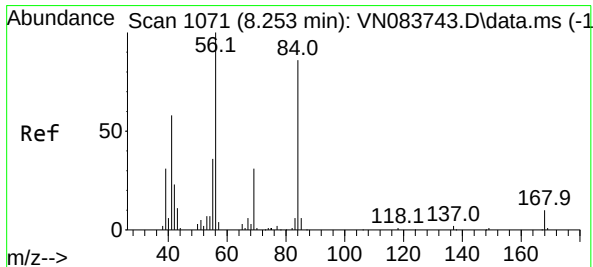
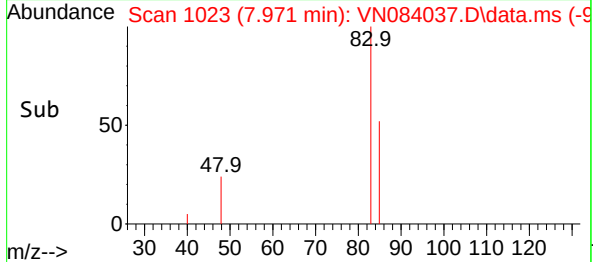
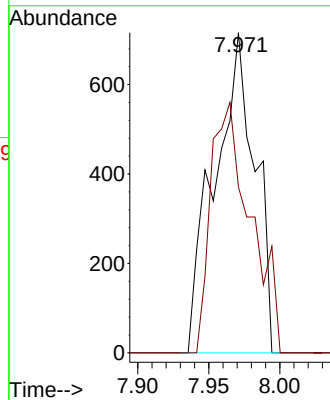
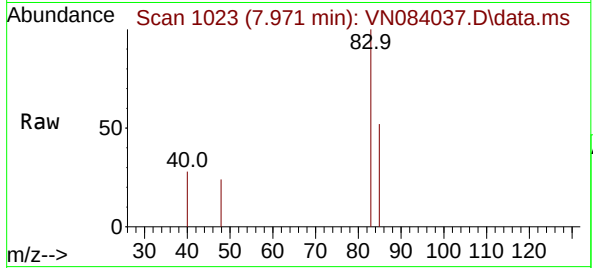




#30
Chloroform
Concen: 0.364 ug/l
RT: 7.971 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

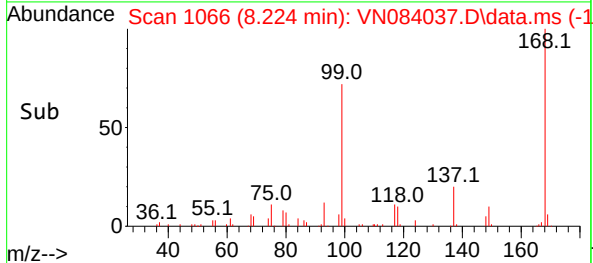
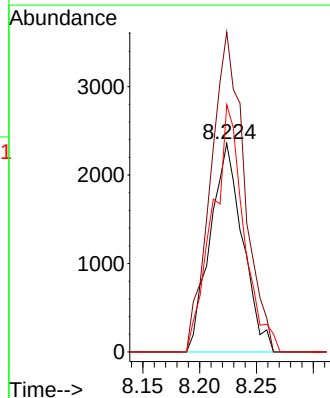
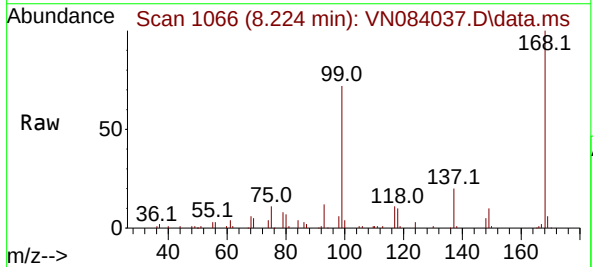
Instrument :
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ClientSampleId :
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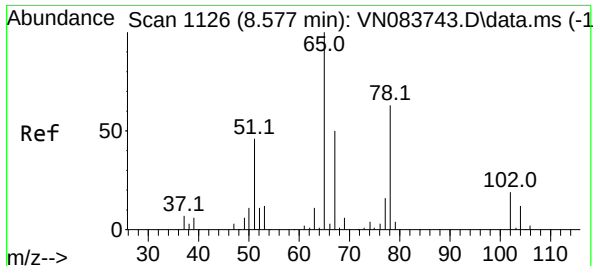
Tgt Ion: 83 Resp: 1408
Ion Ratio Lower Upper
83 100
85 51.8 52.8 79.2#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 56 Resp: 4690
Ion Ratio Lower Upper
56 100
69 153.5 26.9 40.3#
84 118.6 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.123 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084037.D

Acq: 19 Sep 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

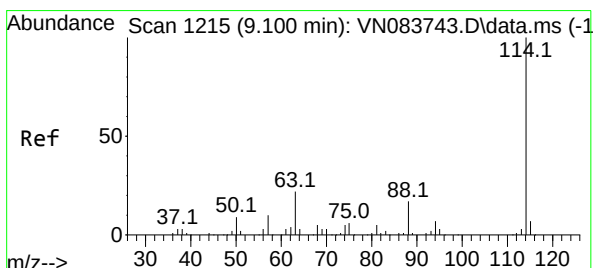
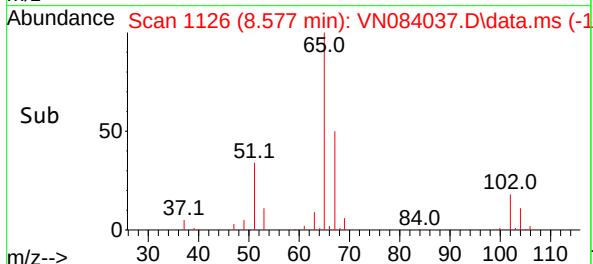
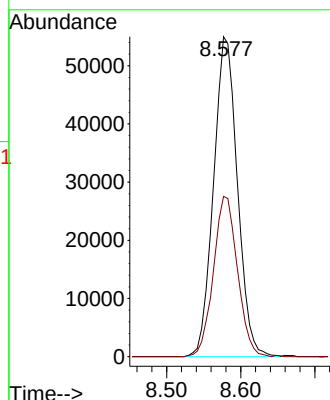
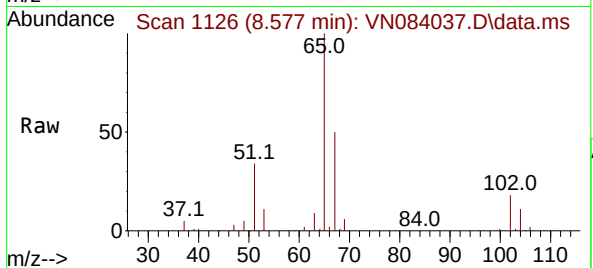
MW178I-20240911

Tgt Ion: 65 Resp: 122896

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: VN084037.D

Acq: 19 Sep 2024 16:28

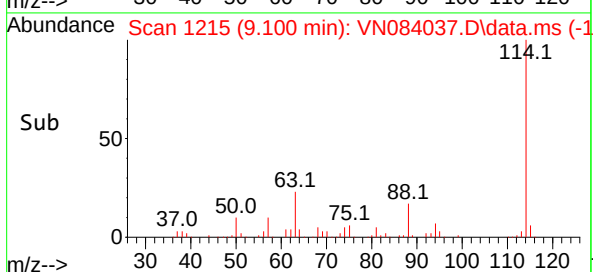
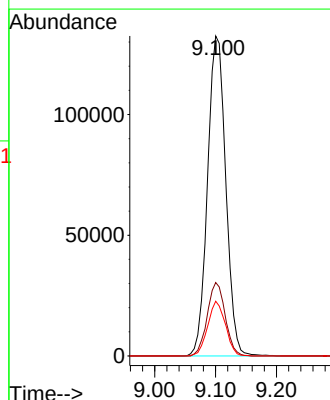
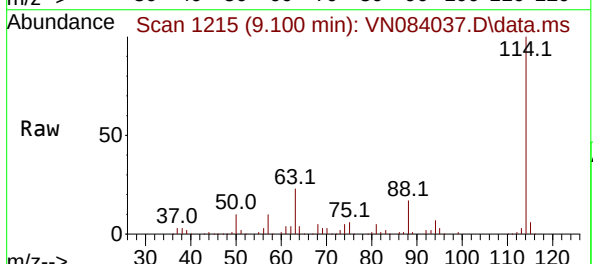
Tgt Ion: 114 Resp: 275884

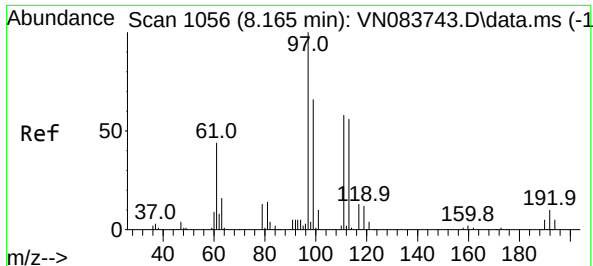
Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

88 17.1 0.0 32.6

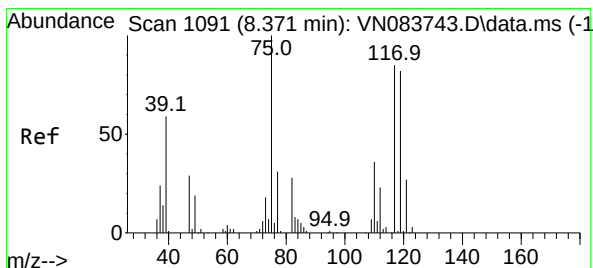
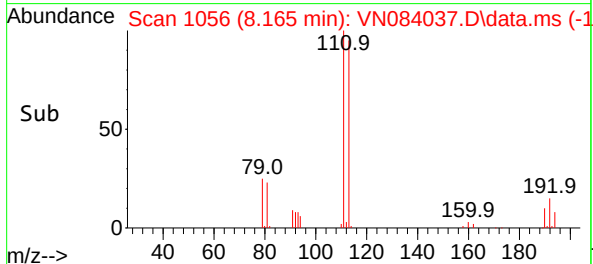
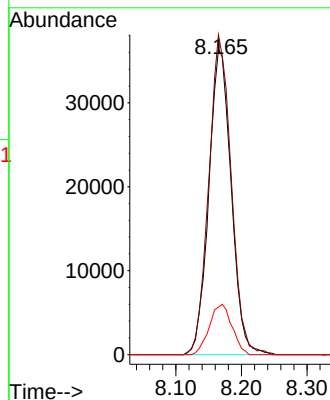
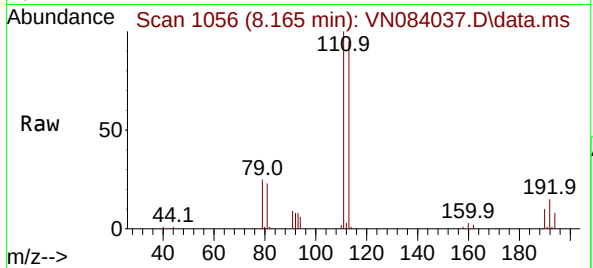




#35
Dibromofluoromethane
Concen: 48.963 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

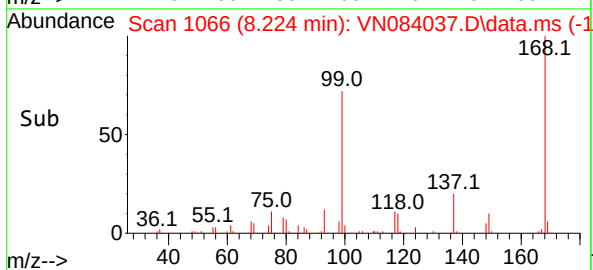
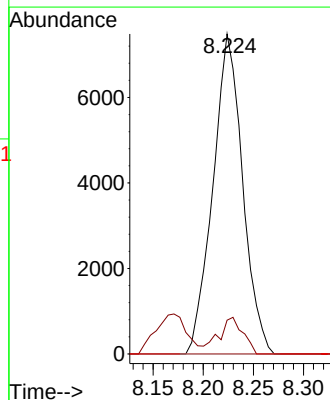
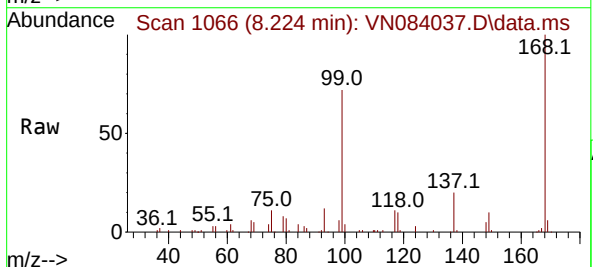
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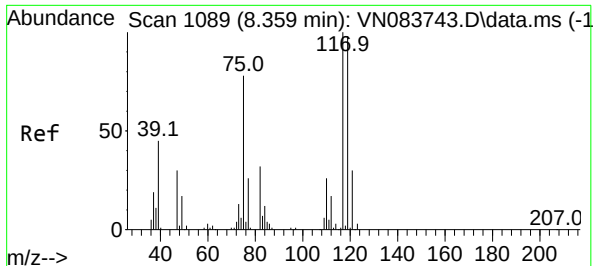
Tgt Ion:113 Resp: 86477
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 16.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.805 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 75 Resp: 15433
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 25.2 37.8#

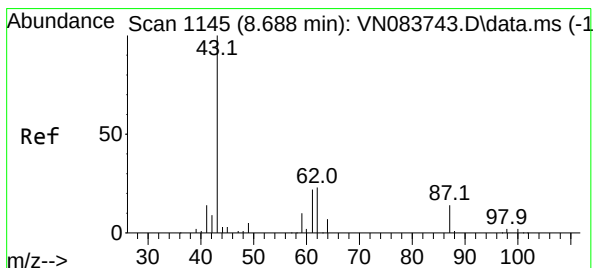
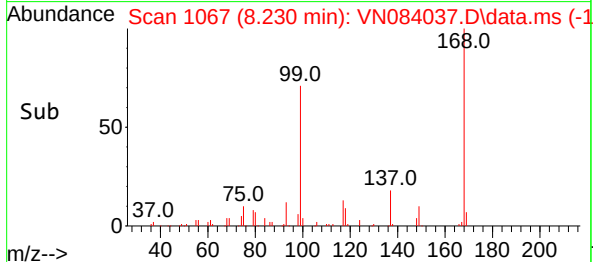
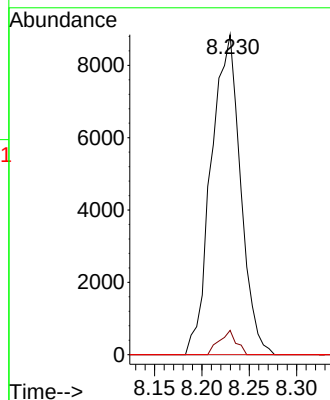
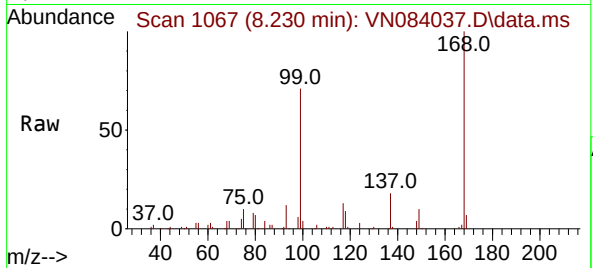




#38
Carbon Tetrachloride
Concen: 6.335 ug/l
RT: 8.230 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

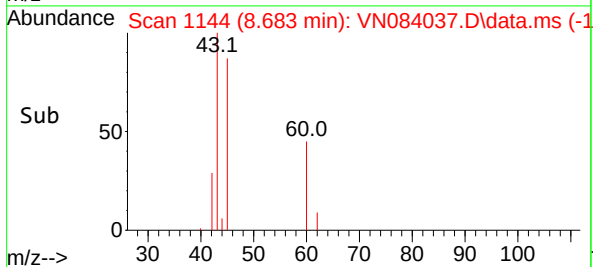
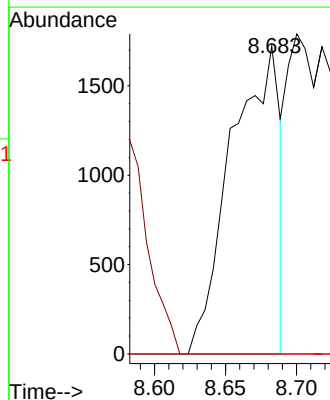
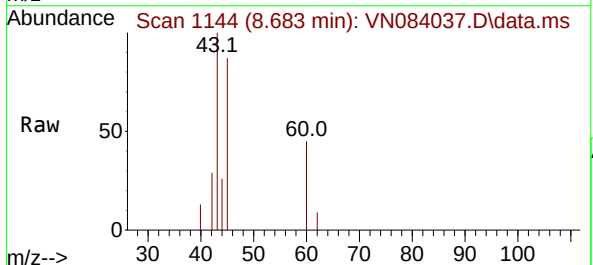
Instrument :
MSVOA_N
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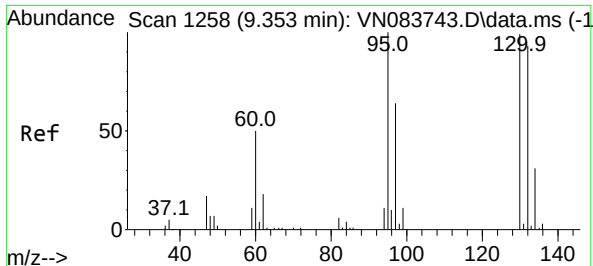
Tgt Ion:117 Resp: 19106
Ion Ratio Lower Upper
117 100
119 7.6 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 0.935 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 43 Resp: 4087
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

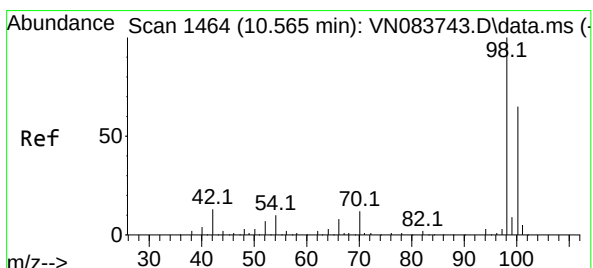
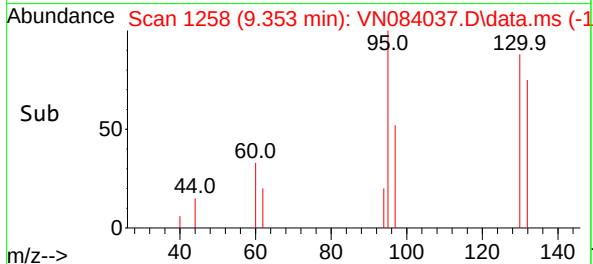
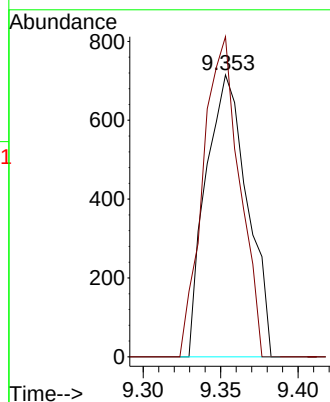
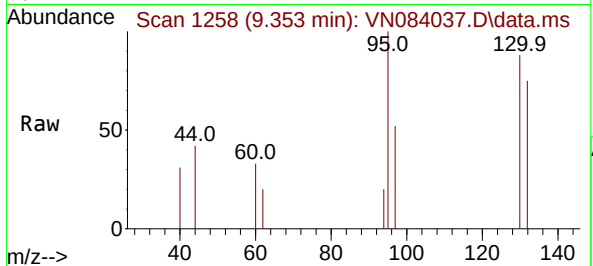




#44
Trichloroethene
Concen: 0.718 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

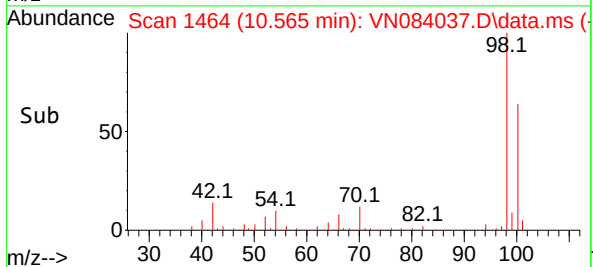
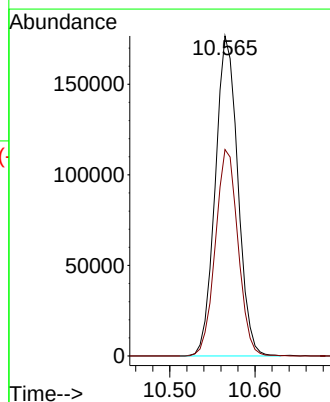
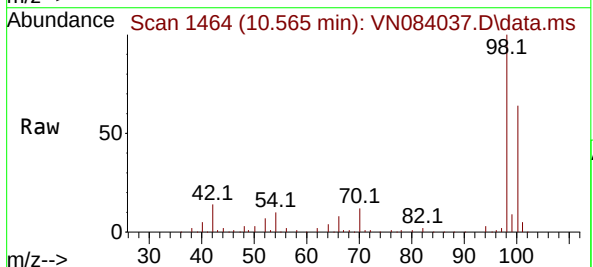
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20240911

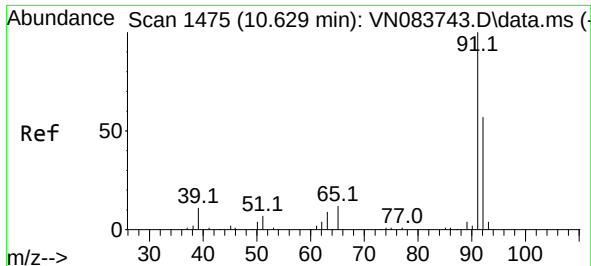
Tgt Ion:130 Resp: 1330
Ion Ratio Lower Upper
130 100
95 113.6 0.0 200.4



#50
Toluene-d8
Concen: 53.233 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 98 Resp: 325029
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

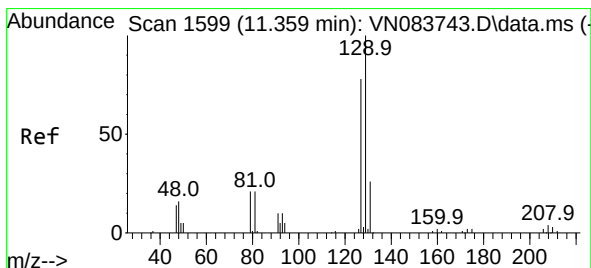
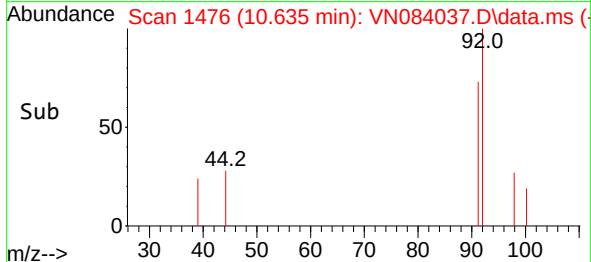
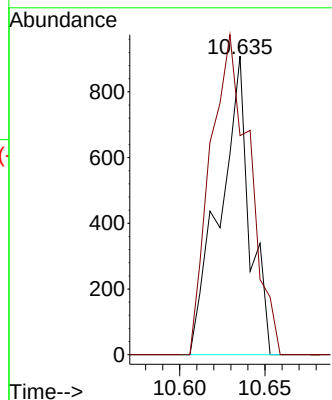
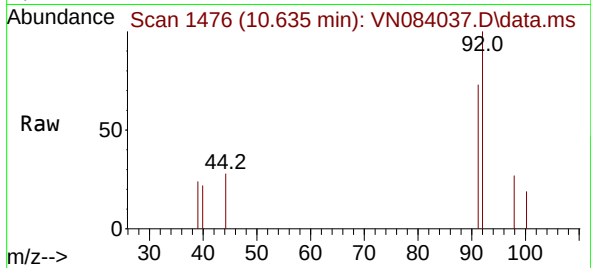




#52
Toluene
Concen: 0.225 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

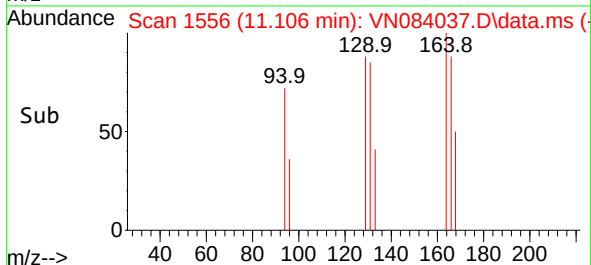
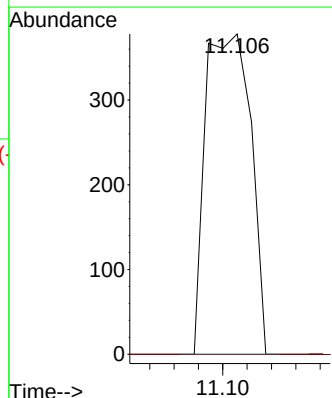
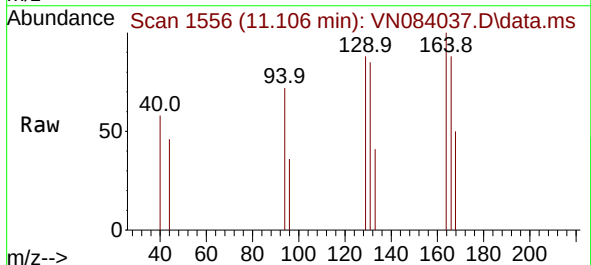
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20240911

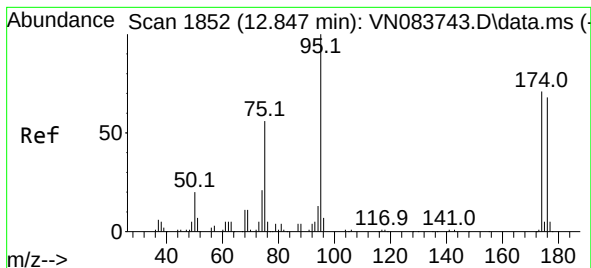
Tgt Ion: 92 Resp: 1102
Ion Ratio Lower Upper
92 100
91 141.6 134.7 202.1



#60
Dibromochloromethane
Concen: 0.238 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 129 Resp: 487
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

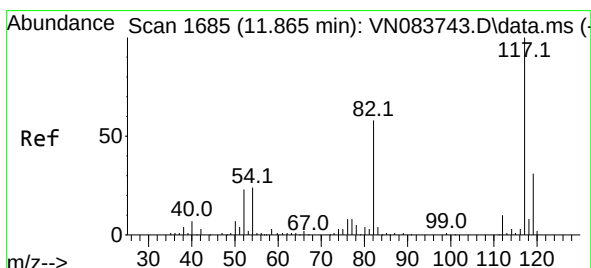
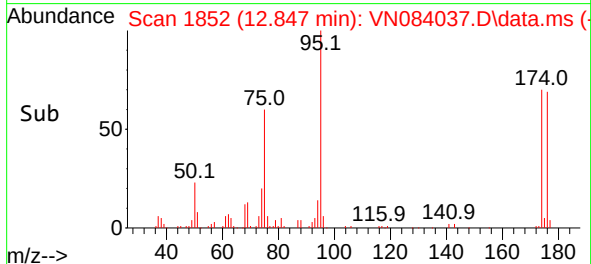
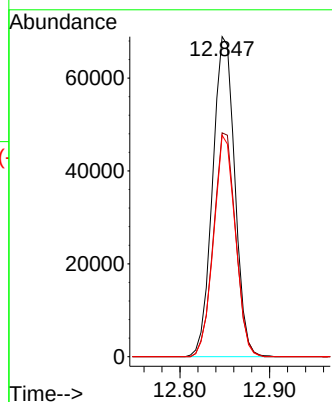
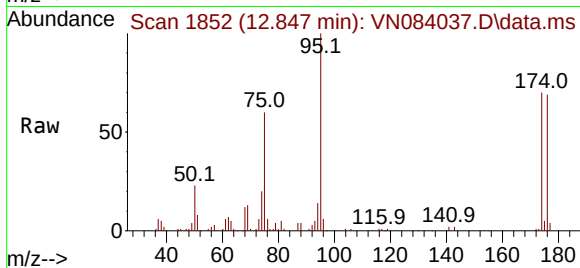




#62
4-Bromofluorobenzene
Concen: 46.949 ug/l
RT: 12.847 min Scan# 118268
Delta R.T. 0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

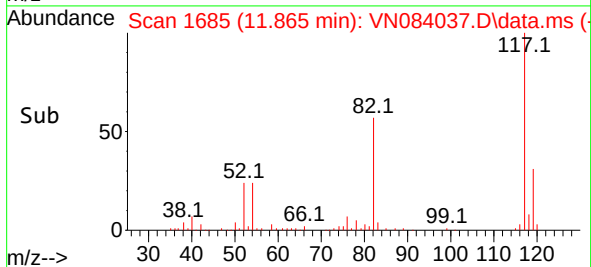
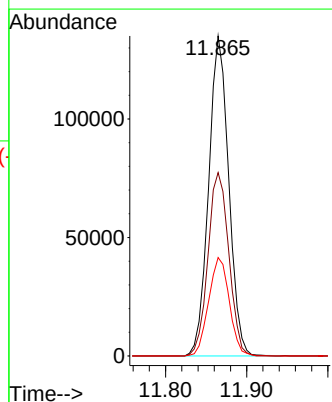
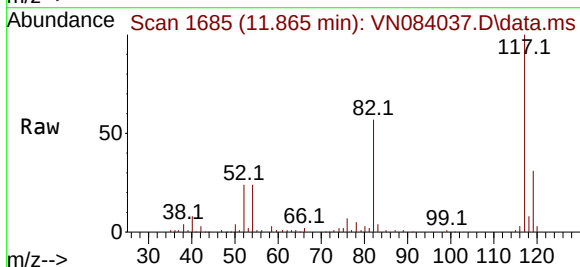
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20240911

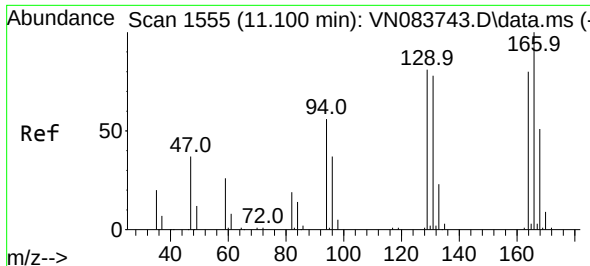
Tgt Ion: 95 Resp: 118268
Ion Ratio Lower Upper
95 100
174 69.6 0.0 139.8
176 67.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 117 Resp: 231845
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.0
119 30.7 26.3 39.5

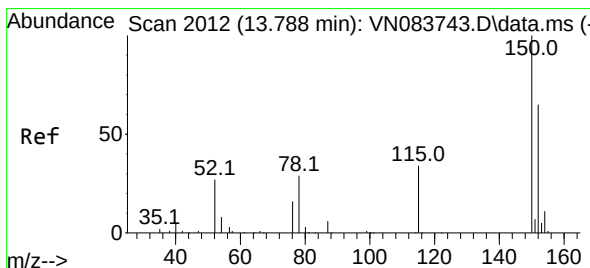
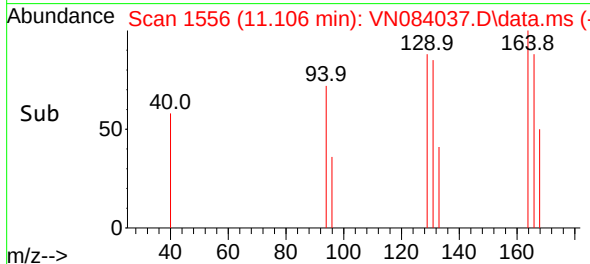
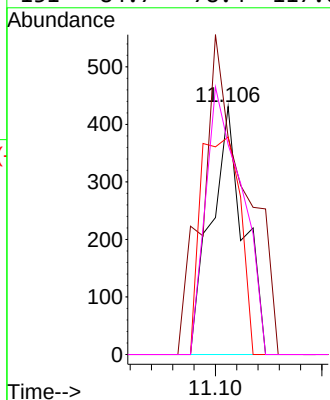
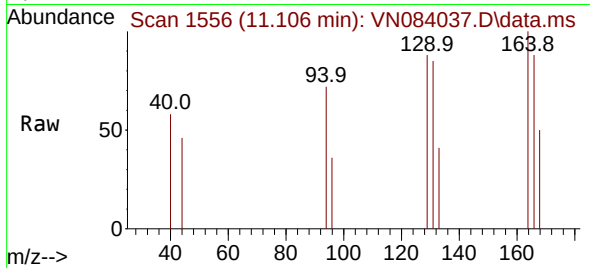




#64
Tetrachloroethene
Concen: 0.297 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

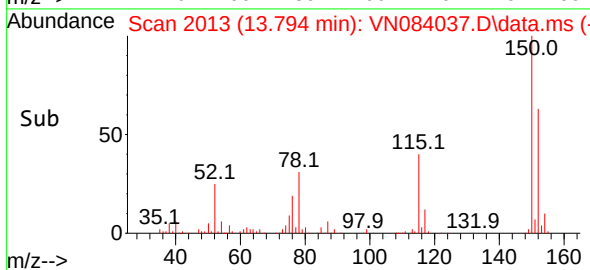
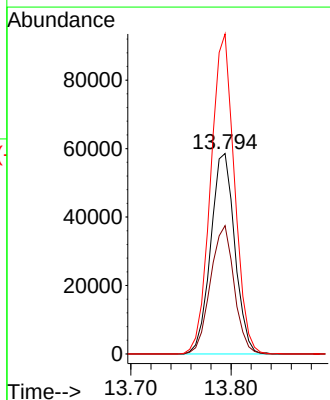
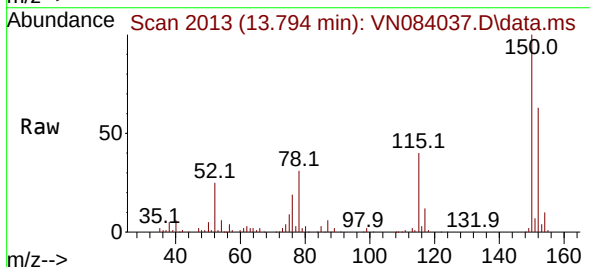
Instrument :
MSVOA_N
ClientSampleId :
MW178I-20240911

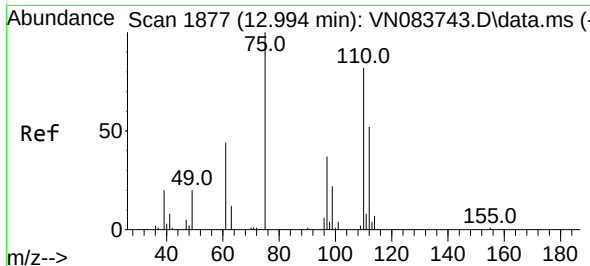
Tgt Ion:164 Resp: 458
Ion Ratio Lower Upper
164 100
166 87.7 103.7 155.5#
129 87.7 79.9 119.9
131 84.7 78.4 117.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion:152 Resp: 97528
Ion Ratio Lower Upper
152 100
115 63.1 32.2 96.6
150 157.5 0.0 348.6

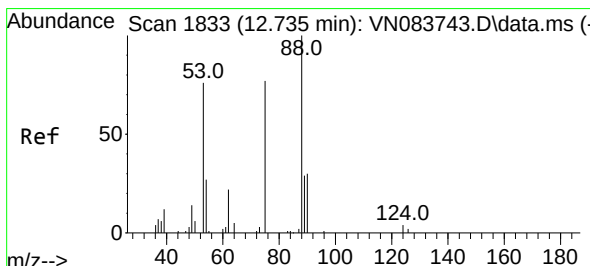
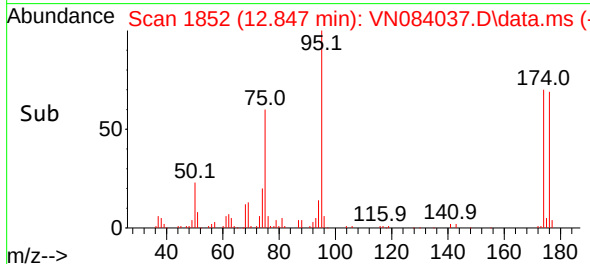
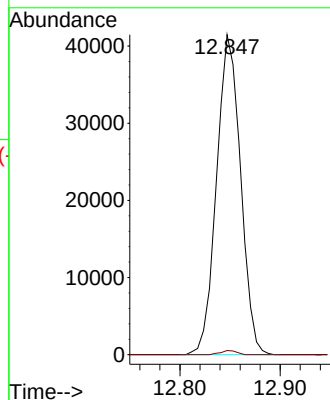
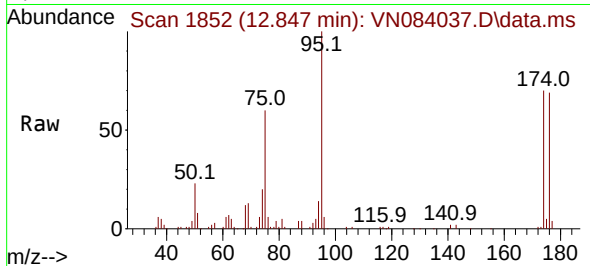




#76
1,2,3-Trichloropropane
Concen: 35.034 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :
MW178I-20240911

Tgt Ion: 75 Resp: 68944
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.756 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084037.D
Acq: 19 Sep 2024 16:28

Tgt Ion: 75 Resp: 68944
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

