

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083854.D
 Acq On : 13 Sep 2024 05:25
 Operator : JC\MD
 Sample : P3957-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20240910

Quant Time: Sep 13 06:41:34 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

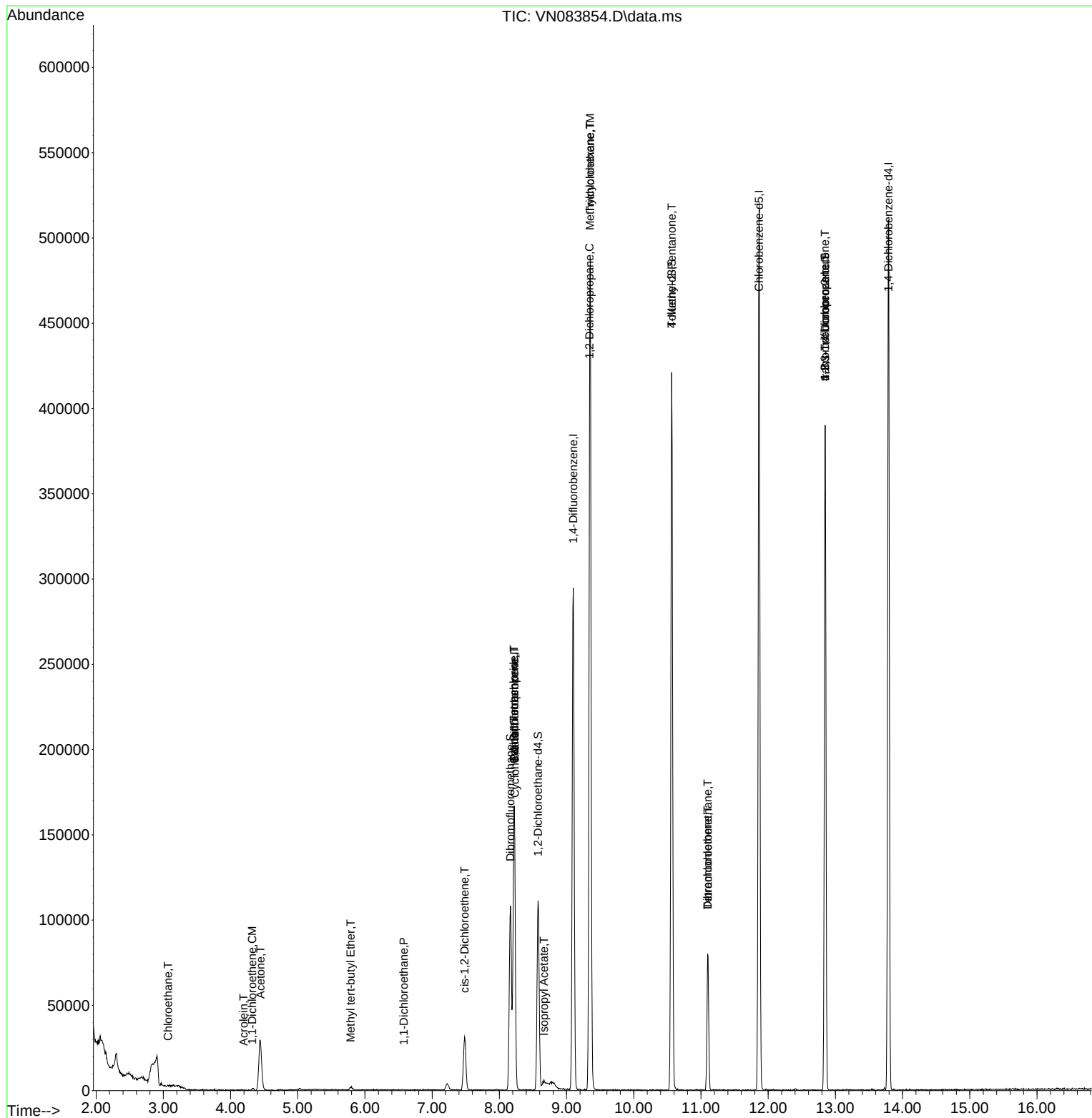
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	115888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	95245	54.506	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.020%	
35) Dibromofluoromethane	8.165	113	76310	48.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.200%	
50) Toluene-d8	10.565	98	275655	50.786	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	12.847	95	131346	58.653	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 117.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	653	Below Cal	#	84
6) Chloroethane	3.071	64	620	0.599	ug/l #	45
12) 1,1-Dichloroethene	4.324	96	256	0.204	ug/l #	23
13) Acrolein	4.195	56	71	0.308	ug/l #	13
16) Acetone	4.447	43	1265	1.806	ug/l #	45
18) Methyl Acetate	5.036	43	1605	Below Cal	#	67
19) Methyl tert-butyl Ether	5.789	73	1664	0.367	ug/l	95
24) 1,1-Dichloroethane	6.577	63	611	0.231	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	18033	11.309	ug/l	90
31) Cyclohexane	8.230	56	3171	1.256	ug/l #	54
36) 1,1-Dichloropropene	8.224	75	10647	4.505	ug/l #	51
38) Carbon Tetrachloride	8.218	117	13562	5.059	ug/l #	17
39) Methylcyclohexane	9.347	83	2277	0.847	ug/l #	1
43) Isopropyl Acetate	8.665	43	5422	1.395	ug/l #	57
44) Trichloroethene	9.353	130	165980	100.768	ug/l	92
45) 1,2-Dichloropropane	9.341	63	579	0.337	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	1514	0.716	ug/l #	1
60) Dibromochloromethane	11.100	129	17187	9.455	ug/l #	10
64) Tetrachloroethene	11.100	164	16835	9.137	ug/l	96
76) 1,2,3-Trichloropropane	12.847	75	75436	27.931	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75436	73.154	ug/l #	9

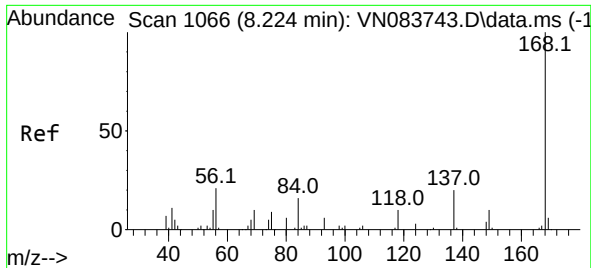
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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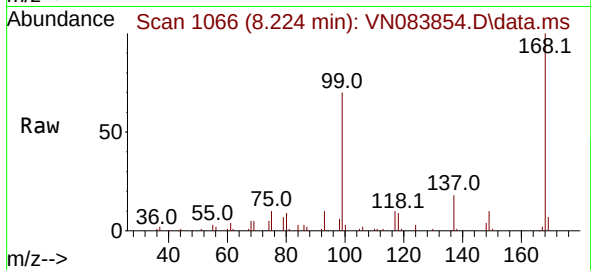
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



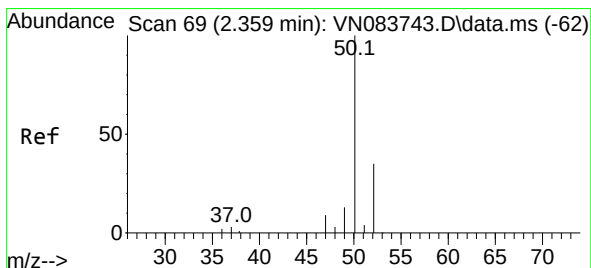
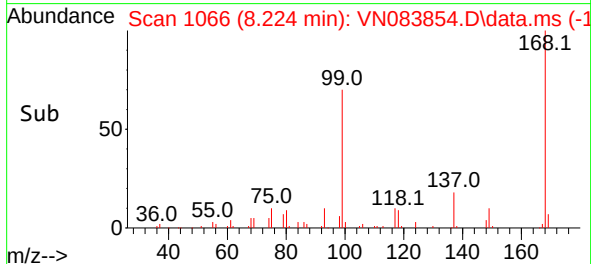
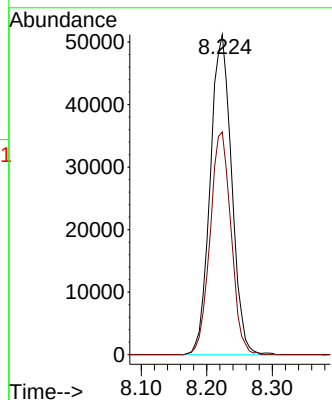


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

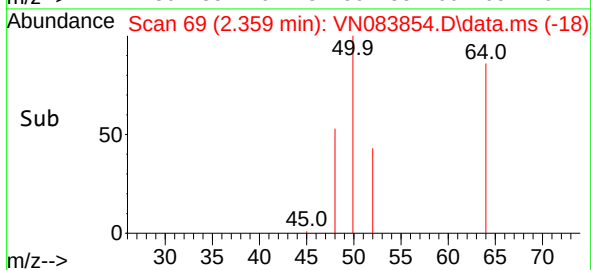
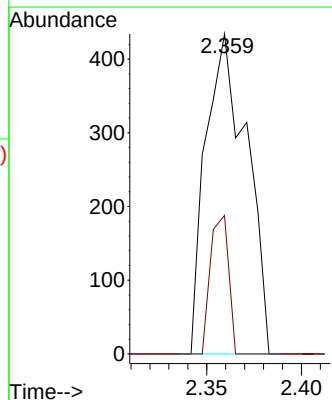
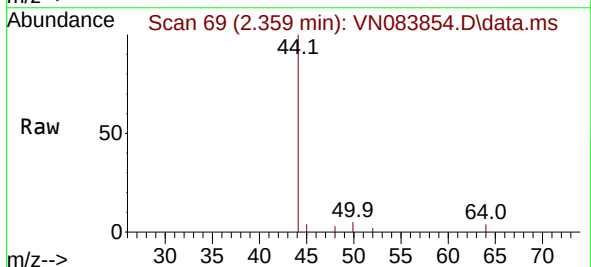


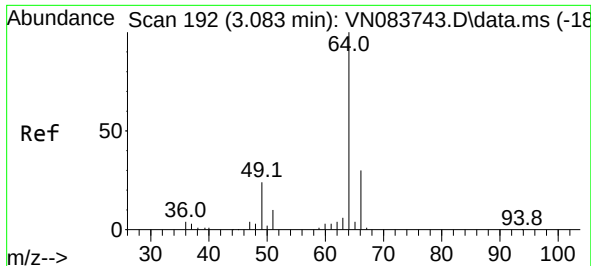
Tgt Ion:168 Resp: 115888
Ion Ratio Lower Upper
168 100
99 69.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 50 Resp: 653
Ion Ratio Lower Upper
50 100
52 43.3 27.2 40.8#

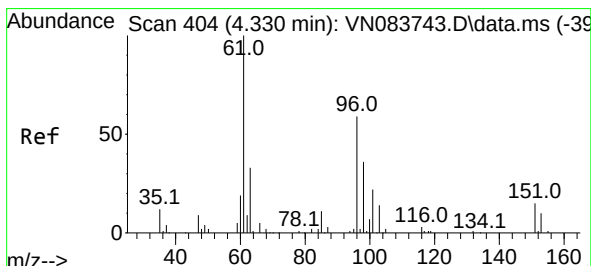
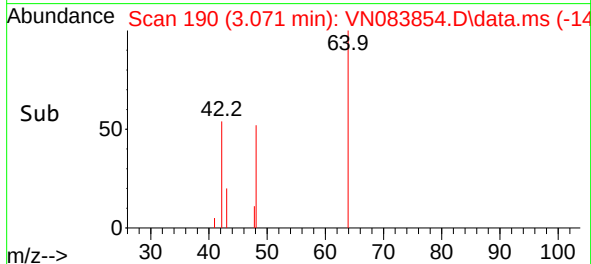
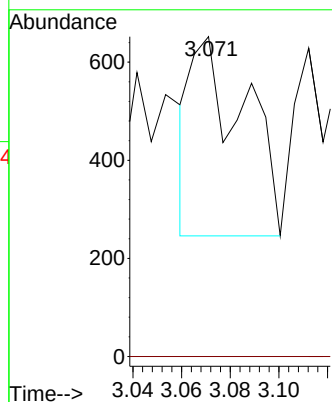
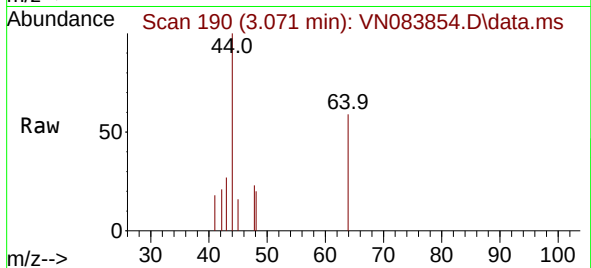




#6
Chloroethane
Concen: 0.599 ug/l
RT: 3.071 min Scan# 14
Delta R.T. -0.012 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

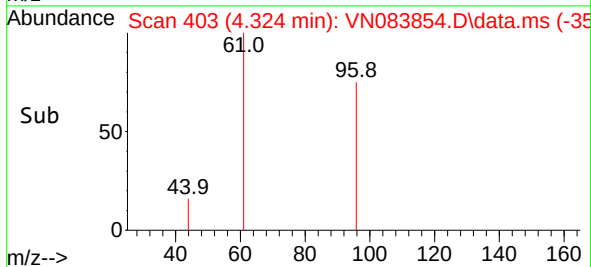
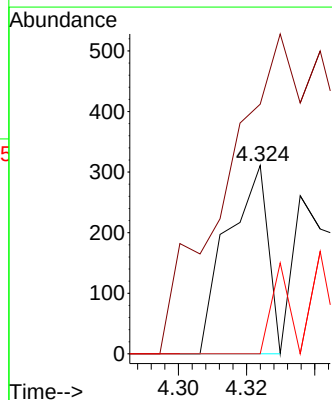
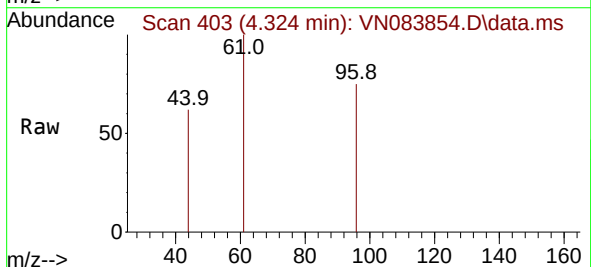
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

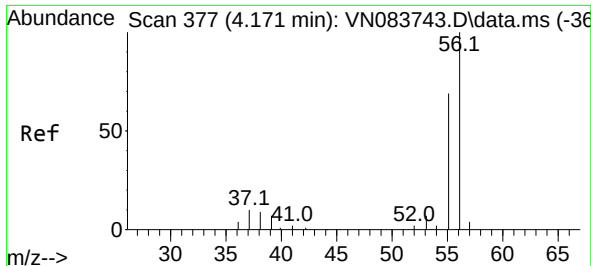
Tgt Ion: 64 Resp: 620
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#12
1,1-Dichloroethene
Concen: 0.204 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.006 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 96 Resp: 256
Ion Ratio Lower Upper
96 100
61 74.0 143.4 215.0#
98 0.0 52.7 79.1#





#13

Acrolein

Concen: 0.308 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.023 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

Instrument :

MSVOA_N

ClientSampleId :

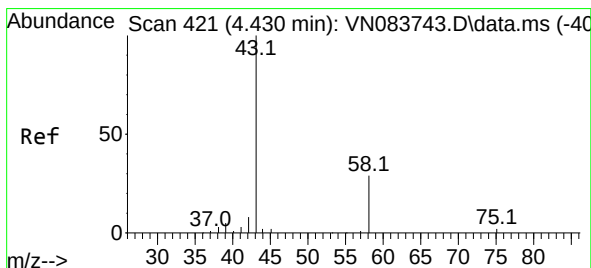
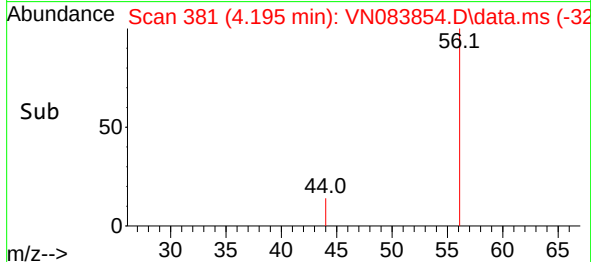
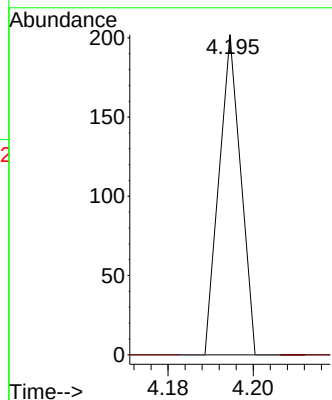
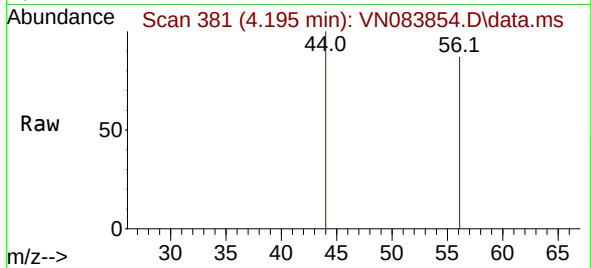
MW179D1-20240910

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 1.806 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.018 min

Lab File: VN083854.D

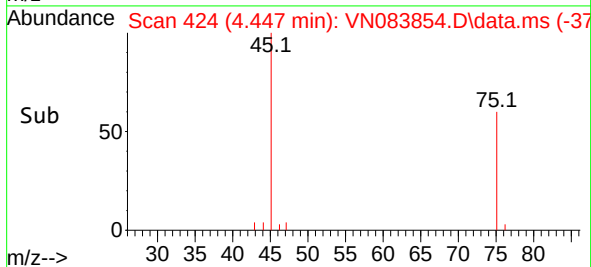
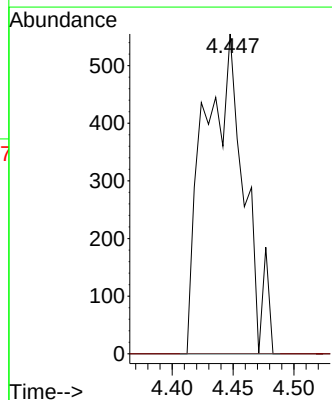
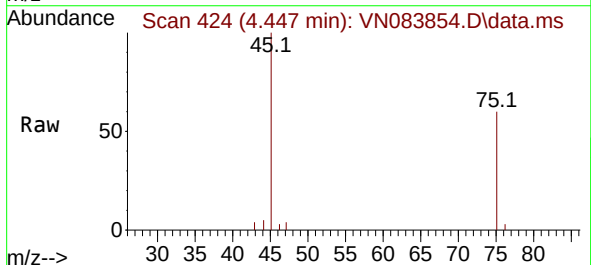
Acq: 13 Sep 2024 05:25

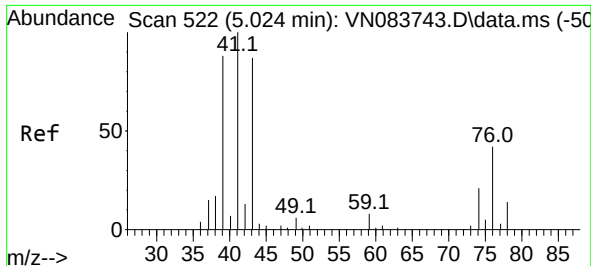
Tgt Ion: 43 Resp: 1265

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#

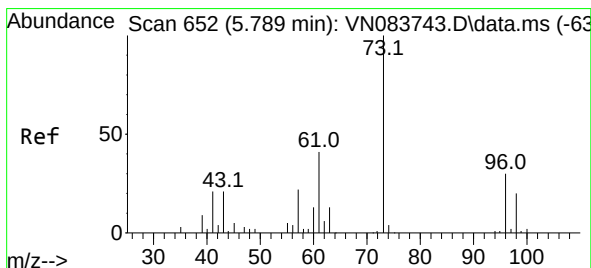
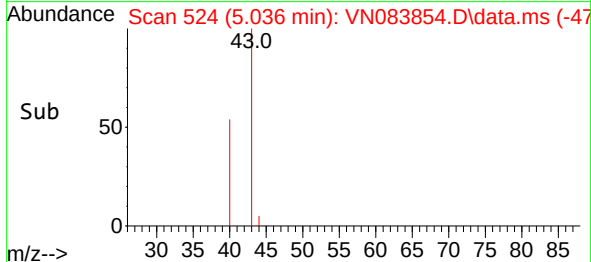
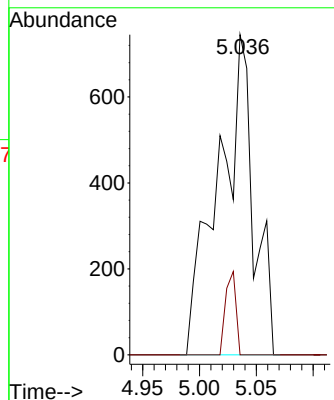
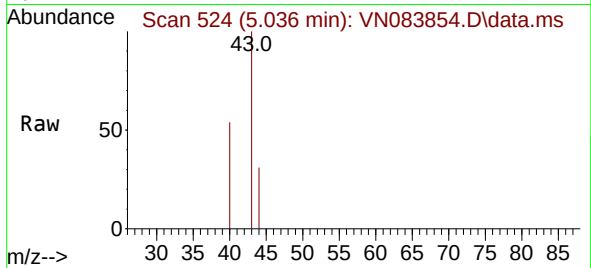




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

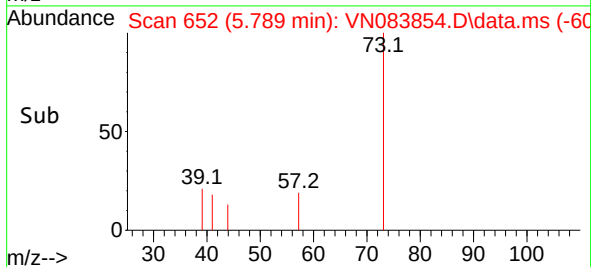
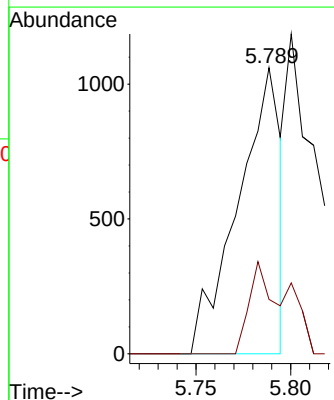
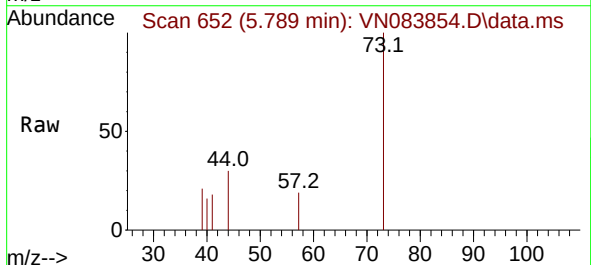
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

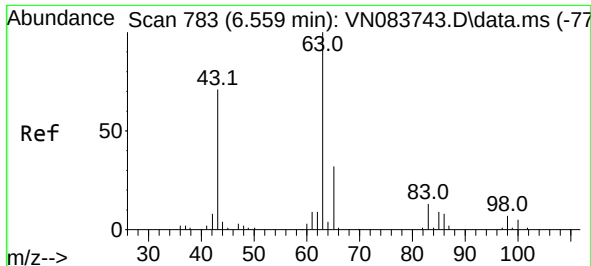
Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
74 7.7 19.0 28.4#



#19
Methyl tert-butyl Ether
Concen: 0.367 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 73 Resp: 1664
Ion Ratio Lower Upper
73 100
57 19.0 17.0 25.6

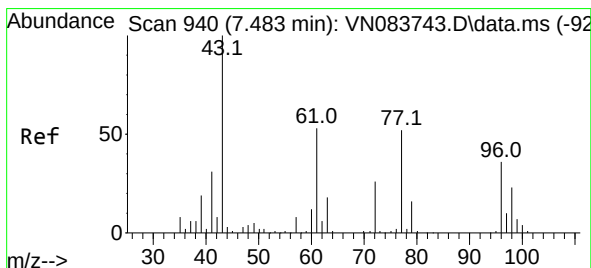
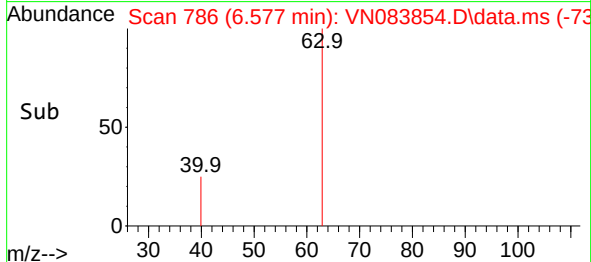
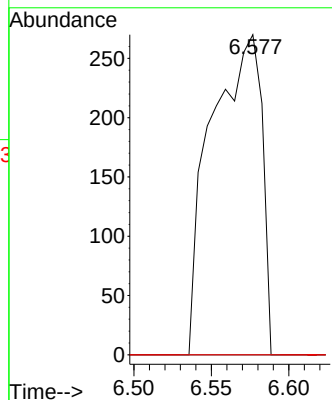
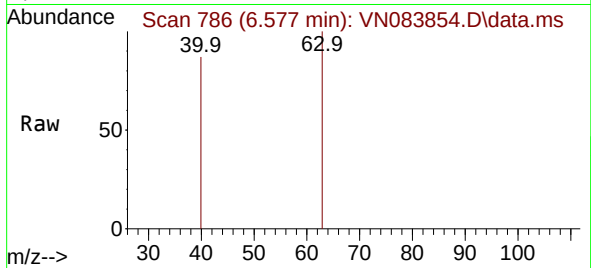




#24
1,1-Dichloroethane
Concen: 0.231 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.018 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

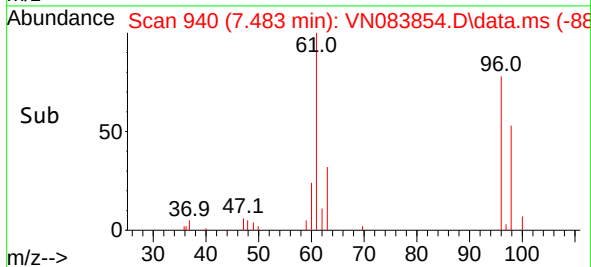
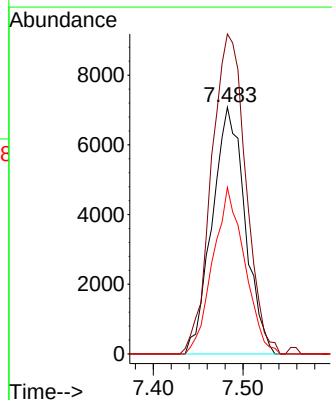
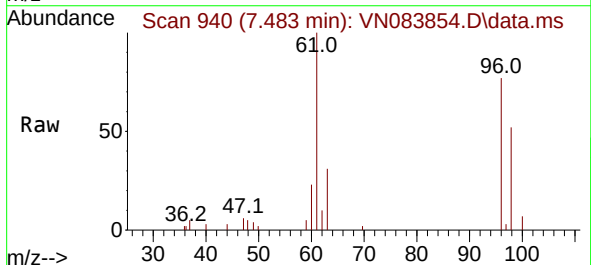
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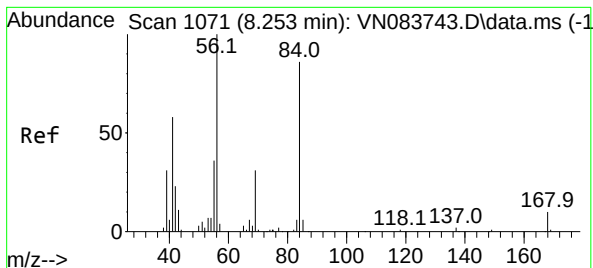
Tgt Ion: 63 Resp: 611
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 11.309 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 96 Resp: 18033
Ion Ratio Lower Upper
96 100
61 135.3 0.0 306.2
98 65.1 0.0 128.6





#31

Cyclohexane

Concen: 1.256 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20240910

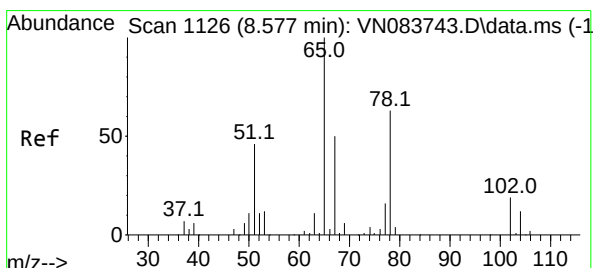
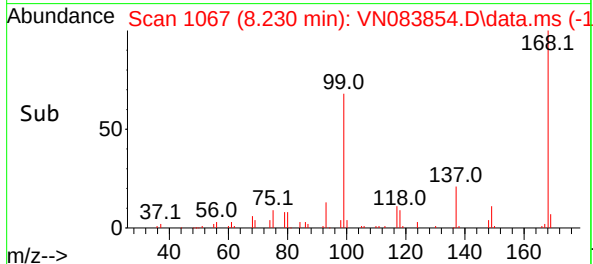
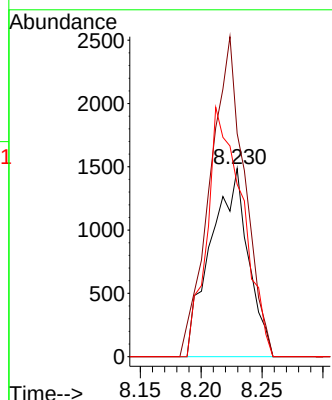
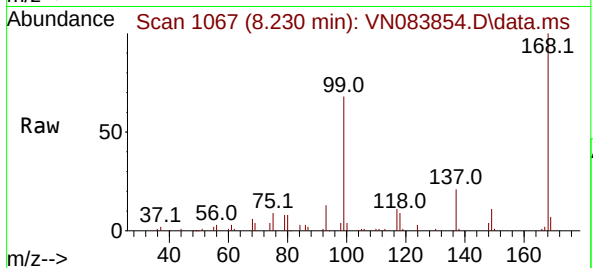
Tgt Ion: 56 Resp: 3171

Ion Ratio Lower Upper

56 100

69 118.6 26.9 40.3#

84 91.5 69.2 103.8



#33

1,2-Dichloroethane-d4

Concen: 54.506 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083854.D

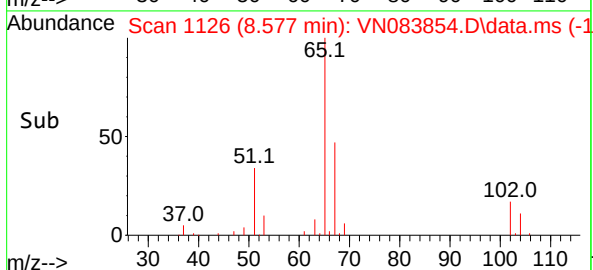
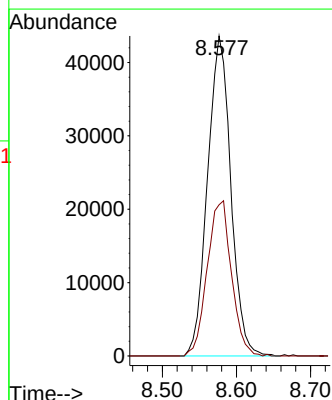
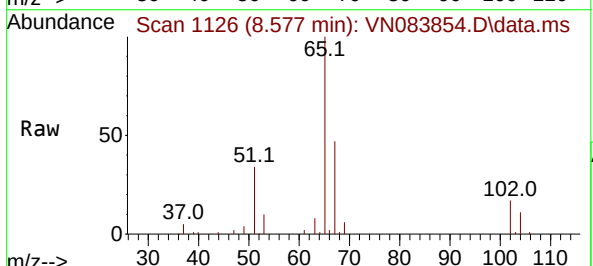
Acq: 13 Sep 2024 05:25

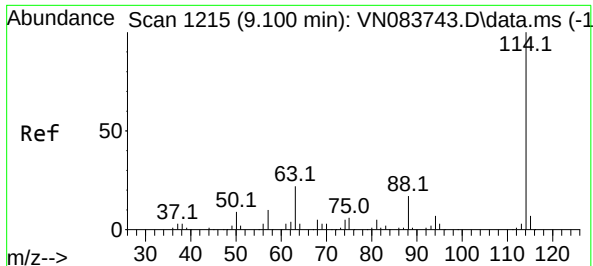
Tgt Ion: 65 Resp: 95245

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# 1

Delta R.T. -0.000 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20240910

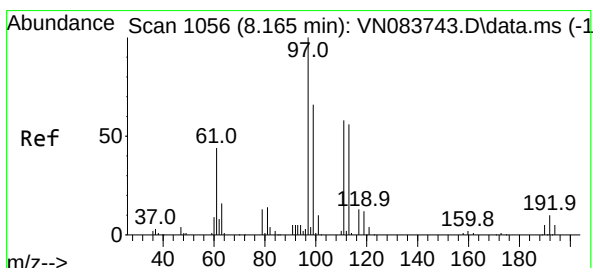
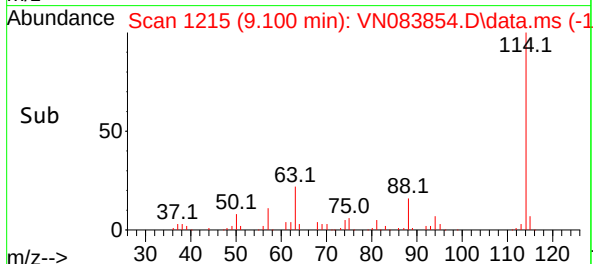
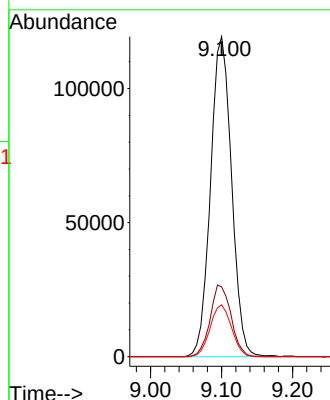
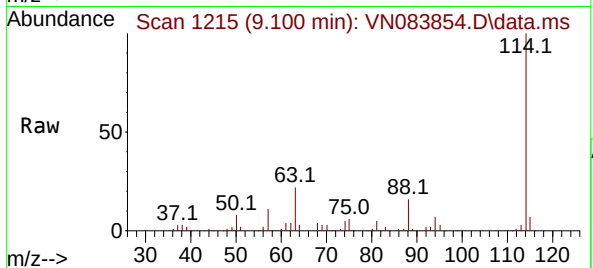
Tgt Ion:114 Resp: 245251

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.603 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

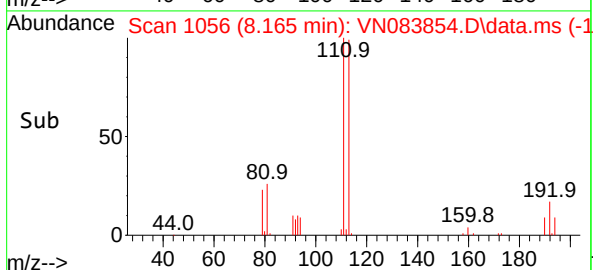
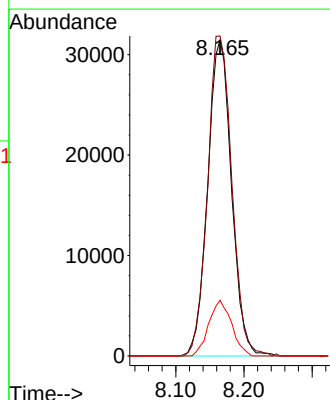
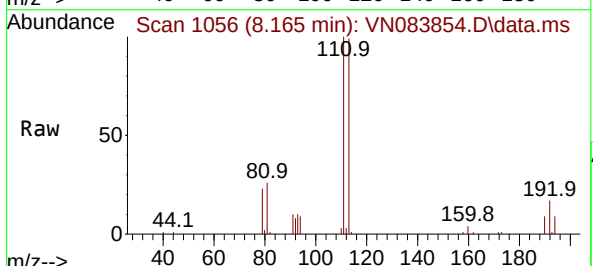
Tgt Ion:113 Resp: 76310

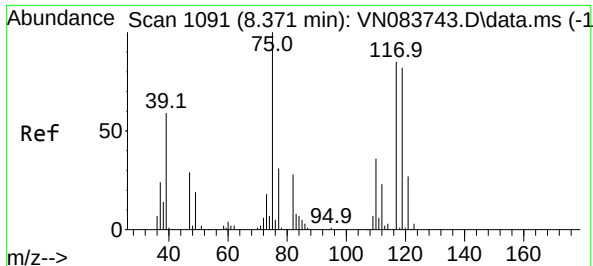
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.505 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083854.D

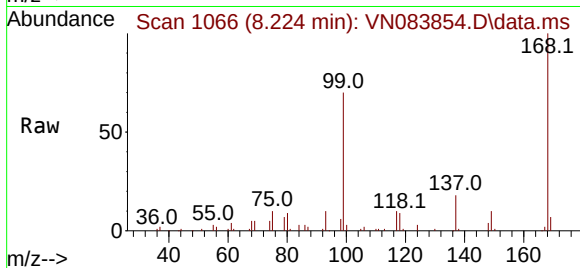
Acq: 13 Sep 2024 05:25

Instrument :

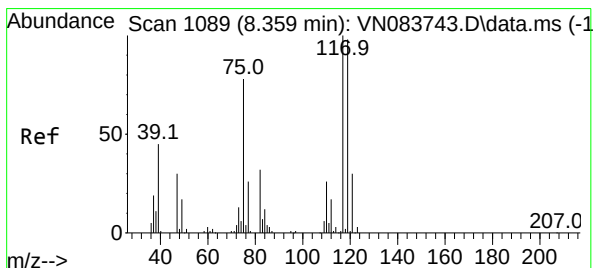
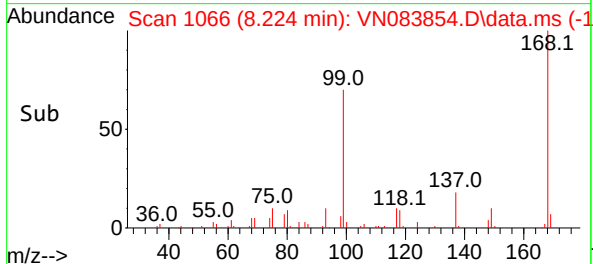
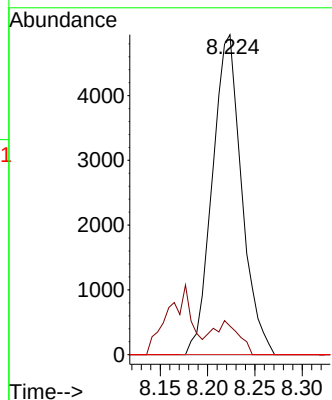
MSVOA_N

ClientSampleId :

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Tgt Ion:	75	Resp:	10647
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.059 ug/l

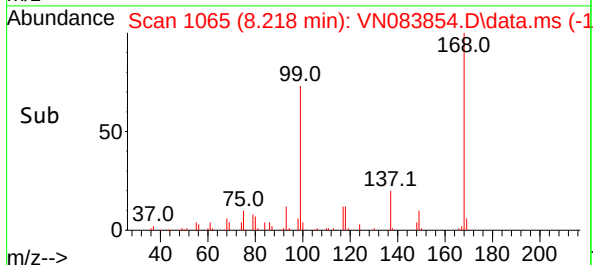
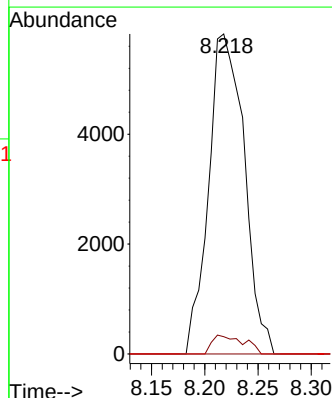
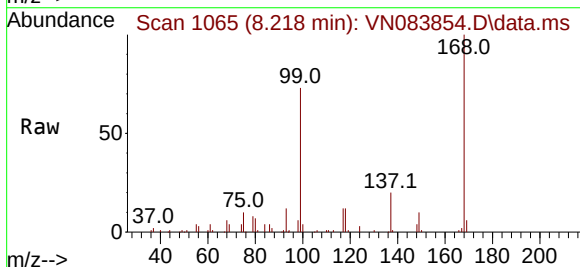
RT: 8.218 min Scan# 1065

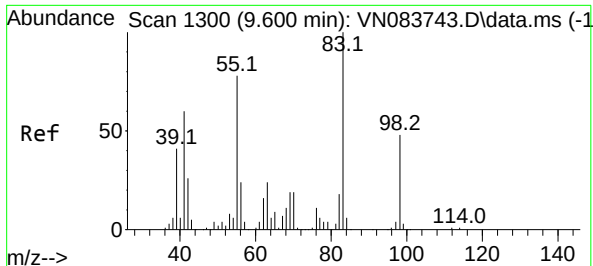
Delta R.T. -0.141 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

Tgt Ion:	117	Resp:	13562
Ion Ratio	100	Lower	Upper
117	100		
119	5.4	76.1	114.1#
121	0.0	24.1	36.1#





#39

Methylcyclohexane

Concen: 0.847 ug/l

RT: 9.347 min Scan# 1127

Delta R.T. -0.253 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20240910

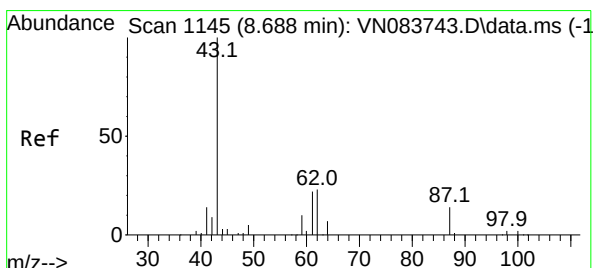
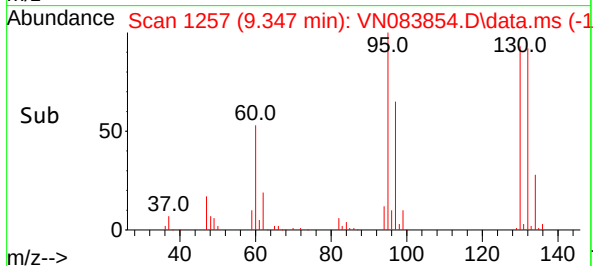
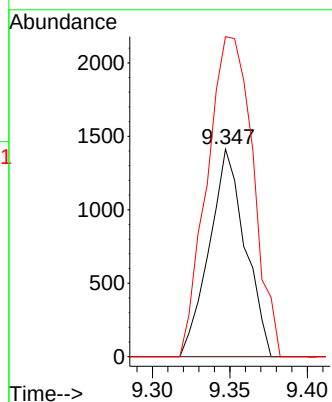
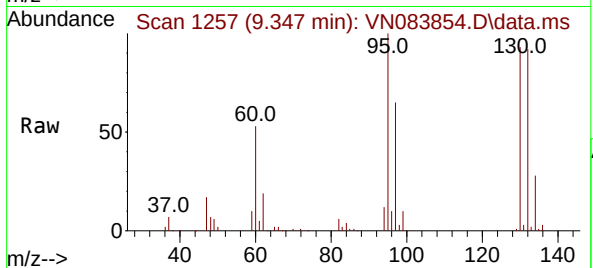
Tgt Ion: 83 Resp: 2277

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 154.1 37.6 56.4#



#43

Isopropyl Acetate

Concen: 1.395 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.024 min

Lab File: VN083854.D

Acq: 13 Sep 2024 05:25

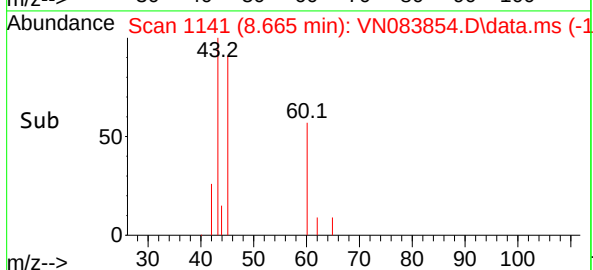
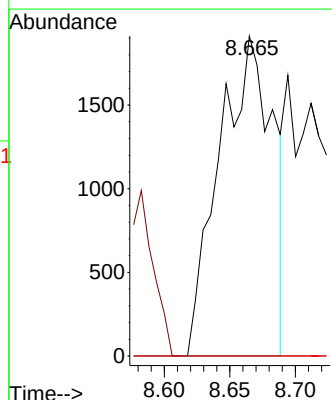
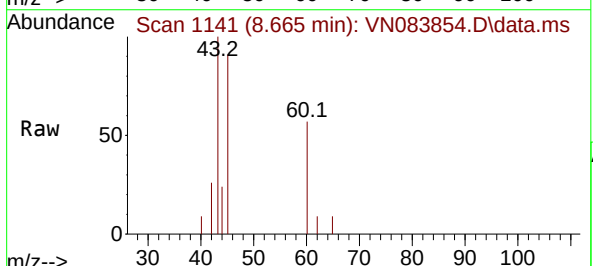
Tgt Ion: 43 Resp: 5422

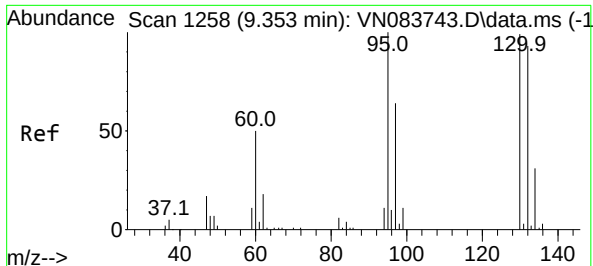
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

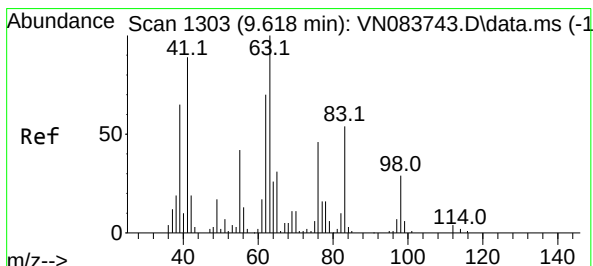
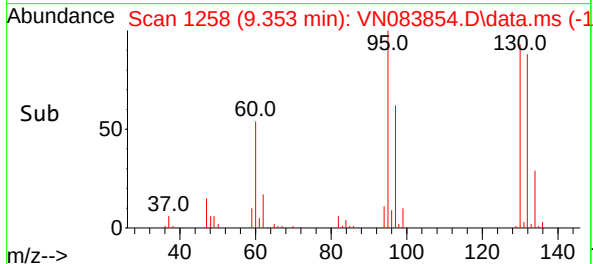
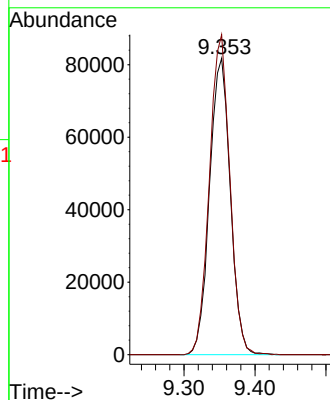
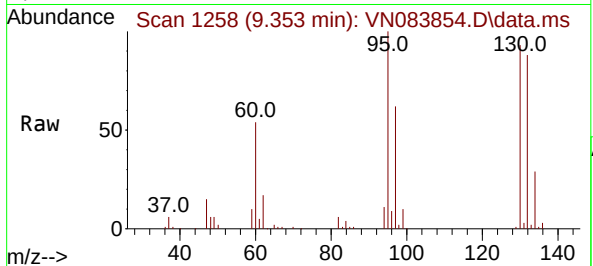




#44
Trichloroethene
Concen: 100.768 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

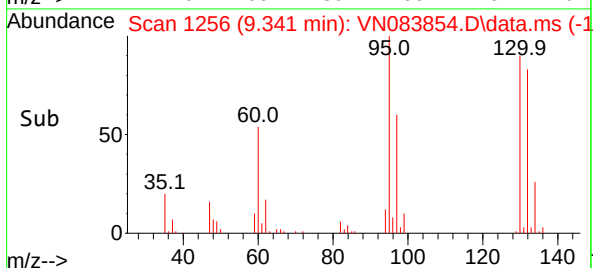
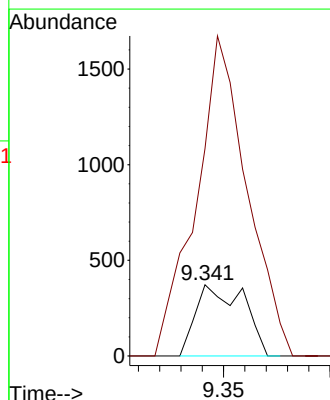
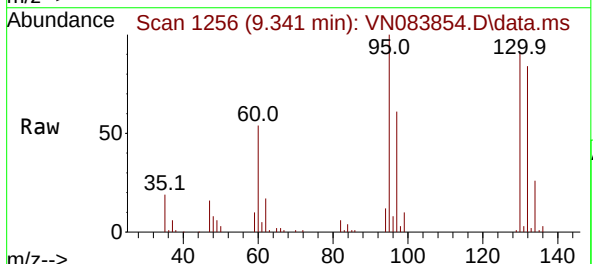
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

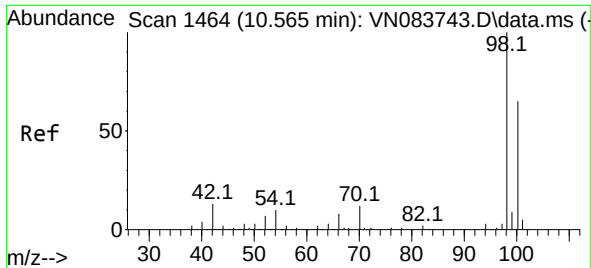
Tgt Ion:130 Resp: 165980
Ion Ratio Lower Upper
130 100
95 108.0 0.0 200.4



#45
1,2-Dichloropropane
Concen: 0.337 ug/l
RT: 9.341 min Scan# 1256
Delta R.T. -0.276 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 63 Resp: 579
Ion Ratio Lower Upper
63 100
65 245.4 25.9 38.9#

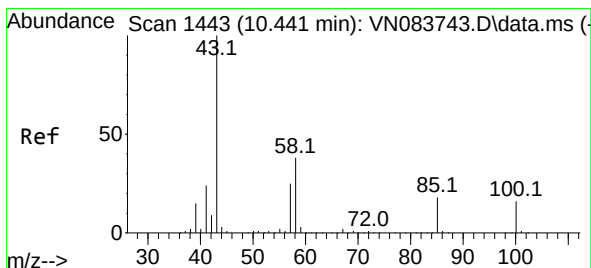
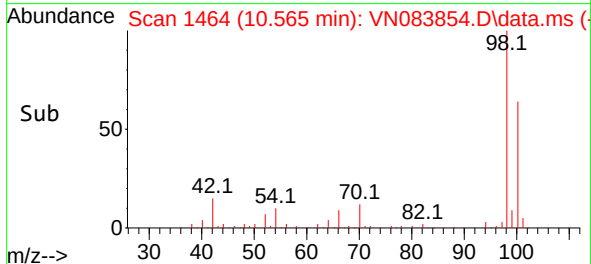
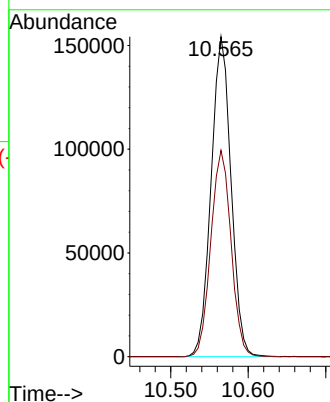
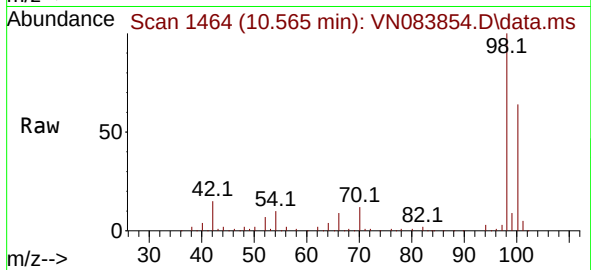




#50
Toluene-d8
Concen: 50.786 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

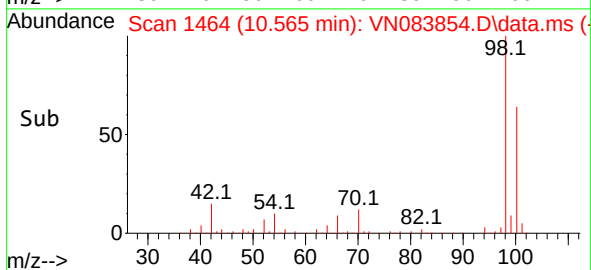
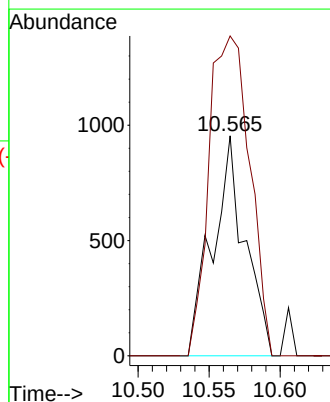
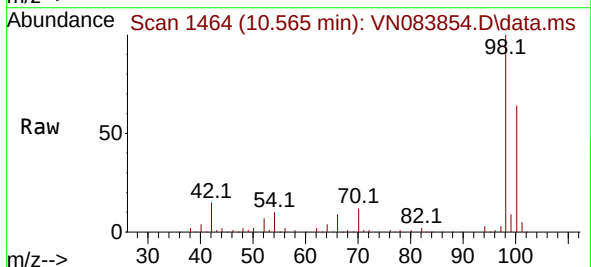
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

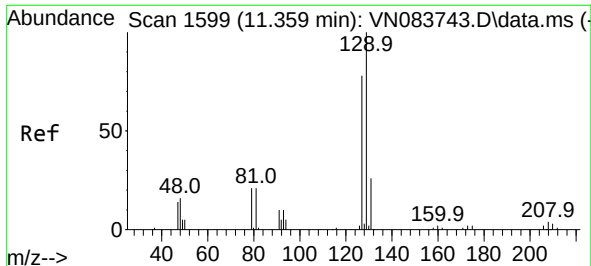
Tgt Ion: 98 Resp: 275655
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.716 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 182.8 31.6 47.4#

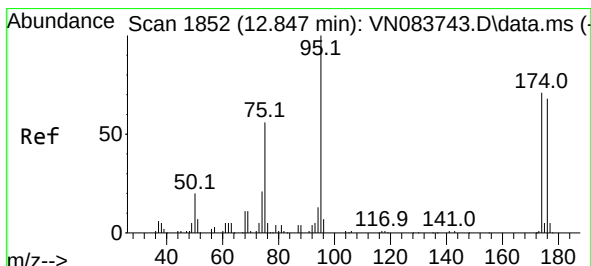
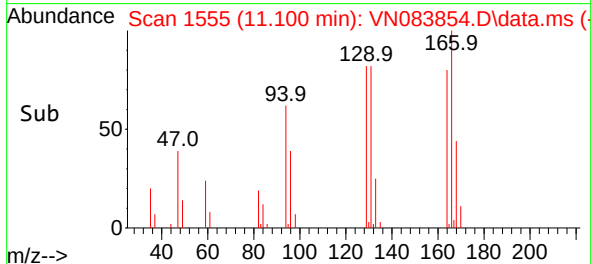
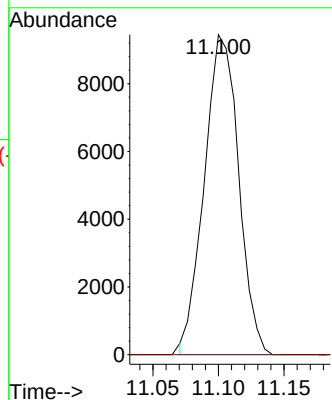
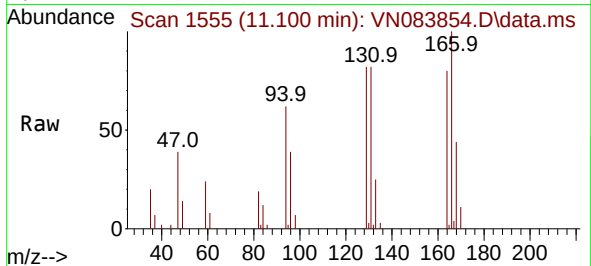




#60
Dibromochloromethane
Concen: 9.455 ug/l
RT: 11.100 min Scan# 111
Delta R.T. -0.259 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

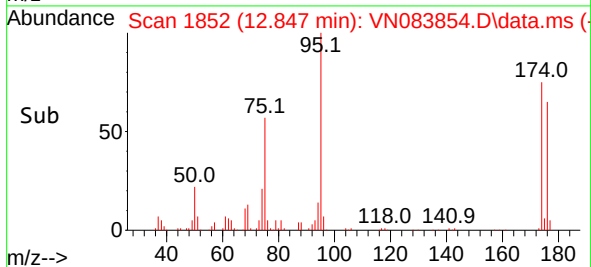
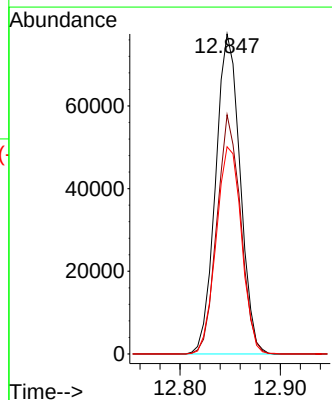
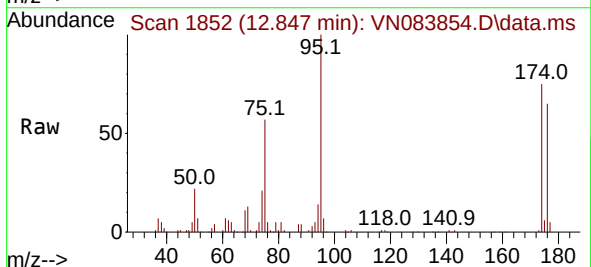
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

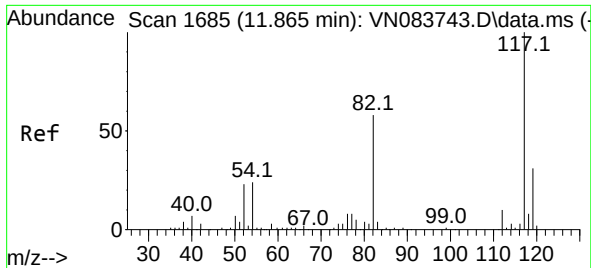
Tgt Ion:129 Resp: 17187
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 58.653 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion: 95 Resp: 131346
Ion Ratio Lower Upper
95 100
174 72.1 0.0 139.8
176 67.1 0.0 131.4

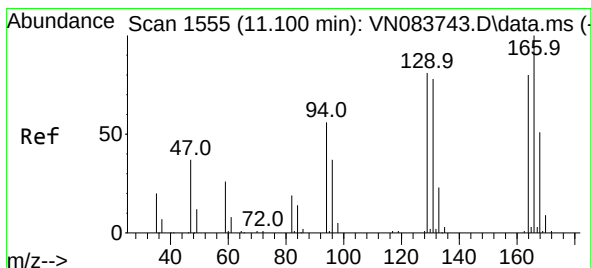
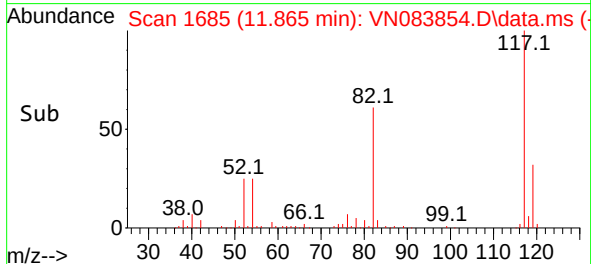
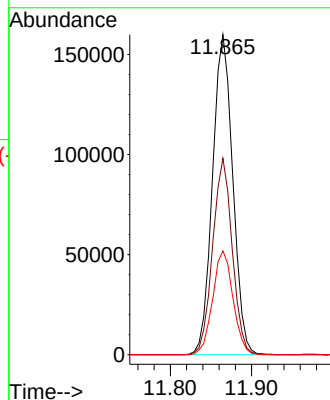
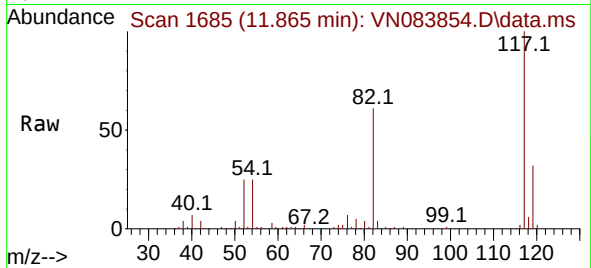




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

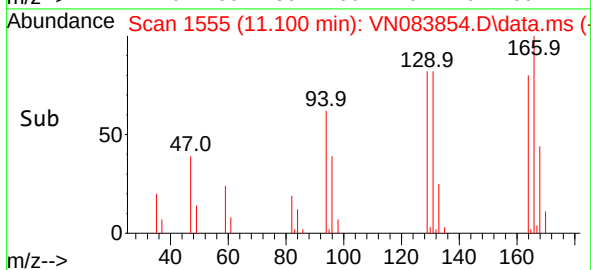
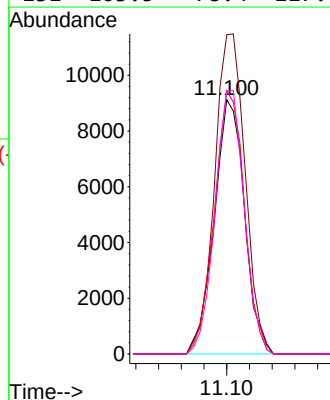
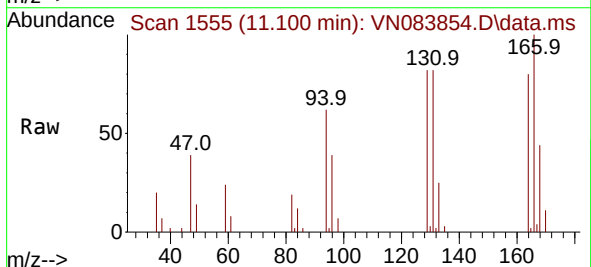
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20240910

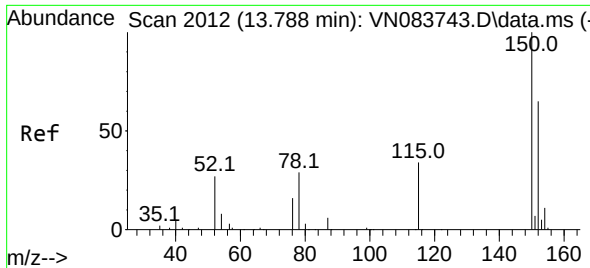
Tgt Ion:117 Resp: 277056
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.0
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 9.137 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN083854.D
Acq: 13 Sep 2024 05:25

Tgt Ion:164 Resp: 16835
Ion Ratio Lower Upper
164 100
166 125.6 103.7 155.5
129 103.6 79.9 119.9
131 103.5 78.4 117.6

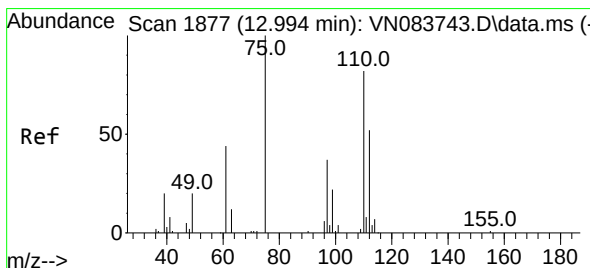
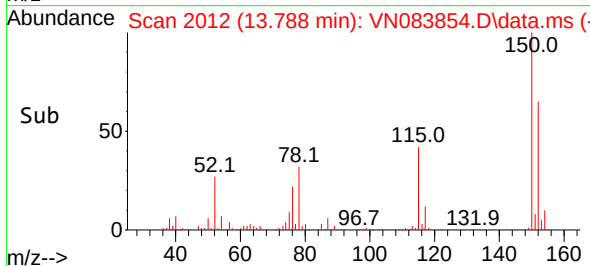
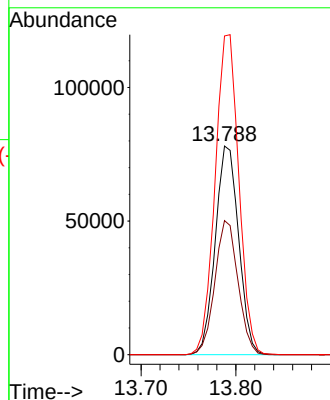
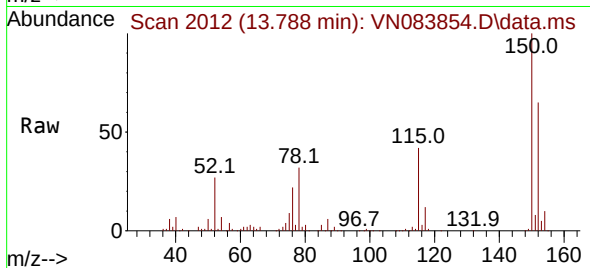




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN083854.D
 Acq: 13 Sep 2024 05:25

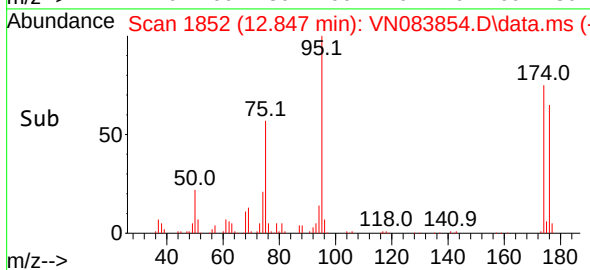
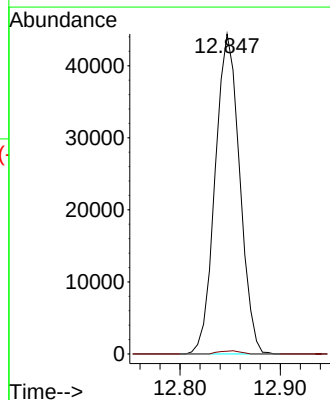
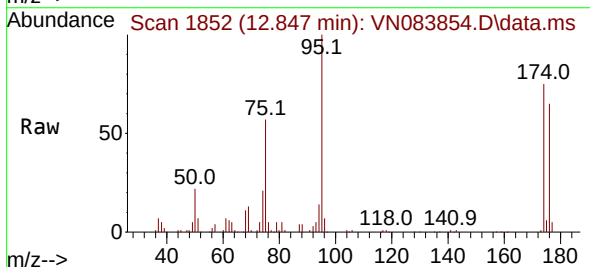
Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20240910

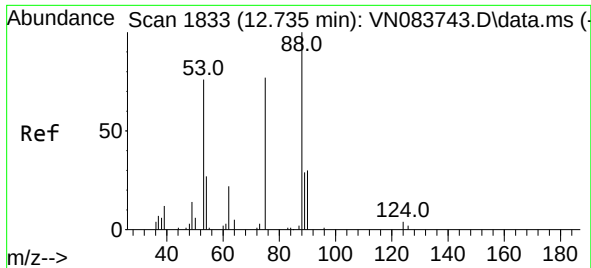
Tgt Ion:152 Resp: 133848
 Ion Ratio Lower Upper
 152 100
 115 63.7 32.2 96.6
 150 155.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 27.931 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083854.D
 Acq: 13 Sep 2024 05:25

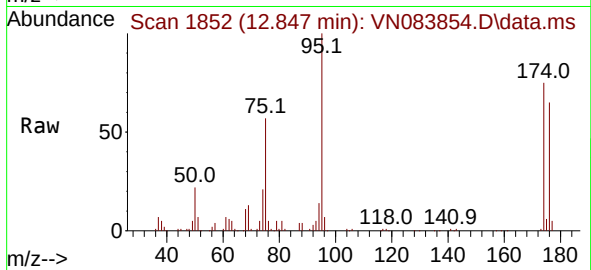
Tgt Ion: 75 Resp: 75436
 Ion Ratio Lower Upper
 75 100
 77 0.9 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.154 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083854.D
 Acq: 13 Sep 2024 05:25

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20240910



Tgt Ion: 75 Resp: 75436
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

