

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077934.D
 Acq On : 26 May 2023 17:53
 Operator : JC\MD
 Sample : 02988-03 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522

Quant Time: May 29 00:31:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

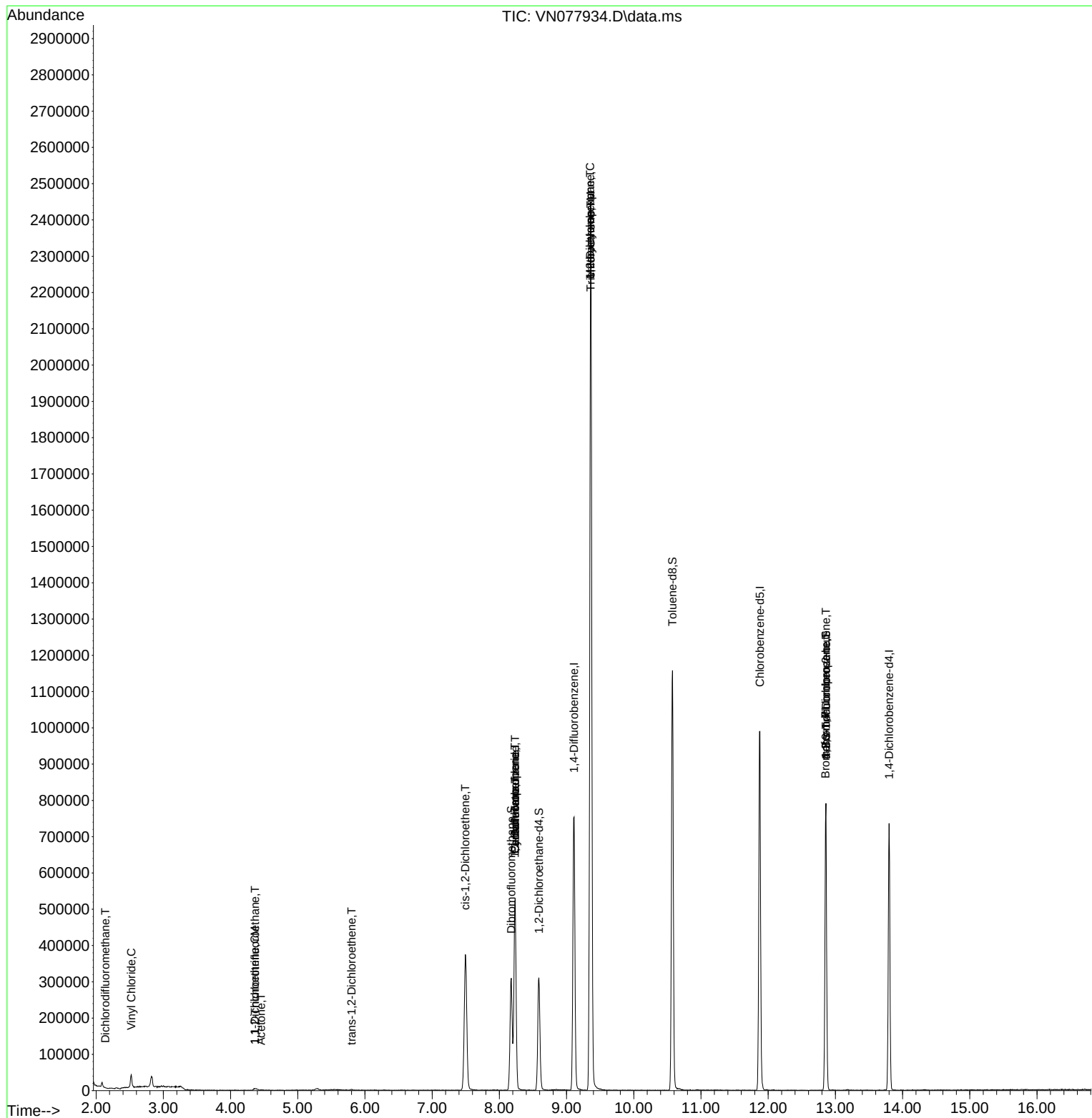
Internal Standards						
1) Pentafluorobenzene	8.235	168	371766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	687826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	601127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	196102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	261337	46.981	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.960%
35) Dibromofluoromethane	8.177	113	223503	49.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	10.576	98	851569	49.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.859	95	278922	45.745	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	947	0.224	ug/l	88
3) Chloromethane	2.371	50	1086	Below Cal		93
4) Vinyl Chloride	2.524	62	32009	6.001	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	1274	0.310	ug/l #	75
12) 1,1-Dichloroethene	4.359	96	1370	0.350	ug/l #	68
13) Acrolein	4.212	56	145	Below Cal	#	24
16) Acetone	4.453	43	1597	0.913	ug/l #	84
20) Methylene Chloride	5.283	84	3720	Below Cal	#	70
21) trans-1,2-Dichloroethene	5.800	96	1414	0.322	ug/l #	41
27) cis-1,2-Dichloroethene	7.494	96	231151	43.891	ug/l	97
31) Cyclohexane	8.235	56	10070	1.332	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	32374	4.935	ug/l #	48
38) Carbon Tetrachloride	8.235	117	43884	6.624	ug/l #	16
39) Methylcyclohexane	9.353	83	11145	1.388	ug/l #	1
44) Trichloroethene	9.359	130	854148	174.246	ug/l	99
45) 1,2-Dichloropropane	9.353	63	2925	0.592	ug/l #	1
71) Bromoform	12.853	173	870	0.290	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	151776	30.905	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	151776	98.787	ug/l #	15

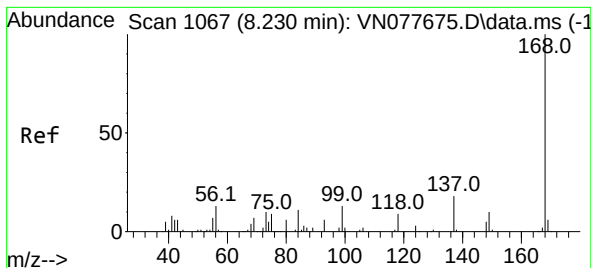
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

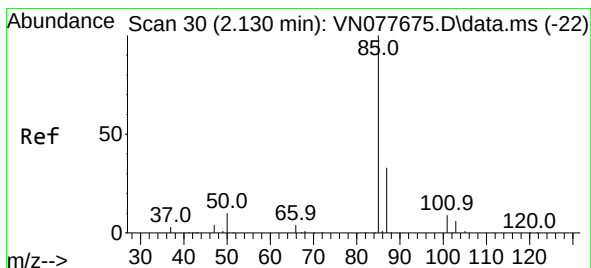
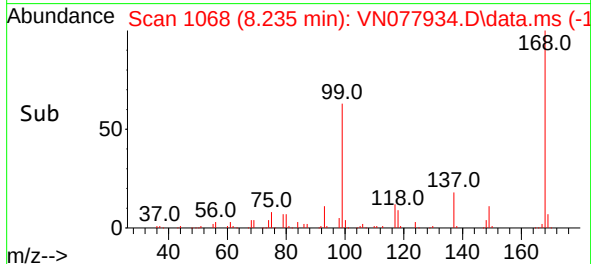
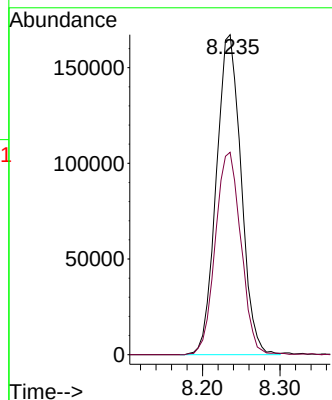
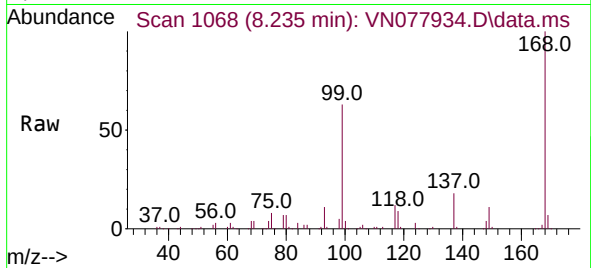




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

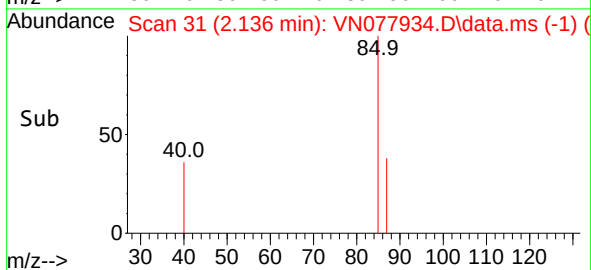
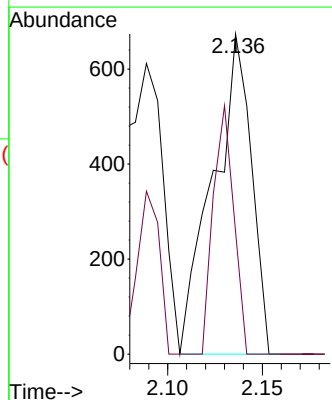
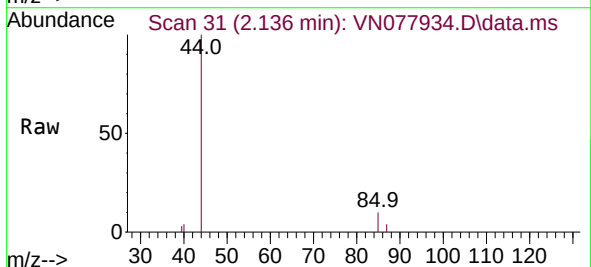
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522

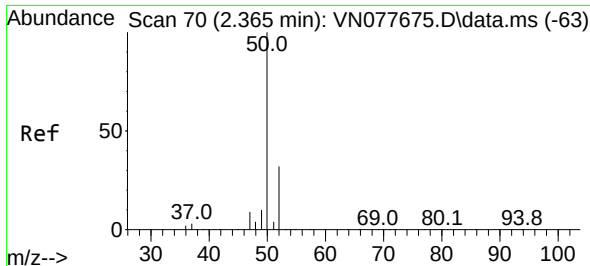
Tgt Ion:168 Resp: 371766
Ion Ratio Lower Upper
168 100
99 63.3 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.224 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Tgt Ion: 85 Resp: 947
Ion Ratio Lower Upper
85 100
87 38.3 15.8 47.4

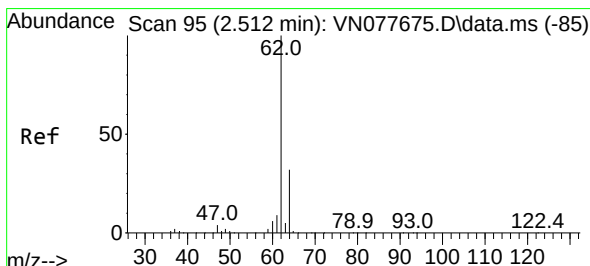
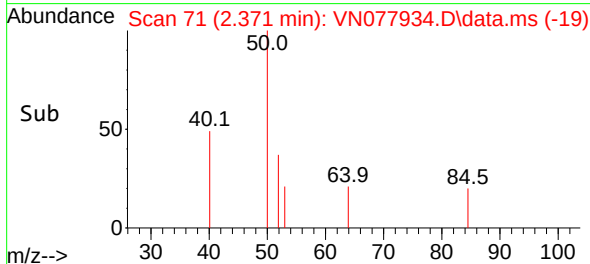
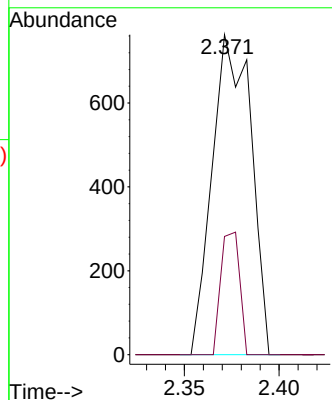
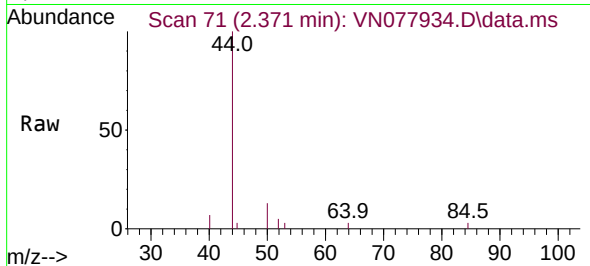




#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

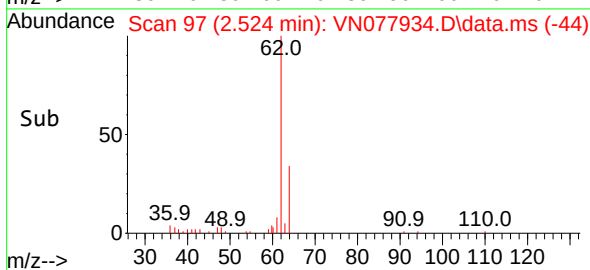
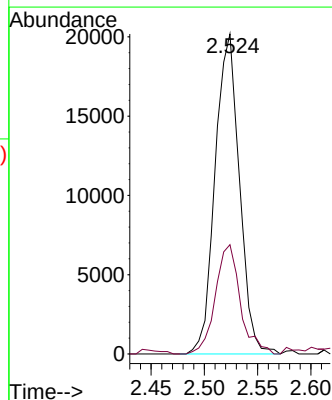
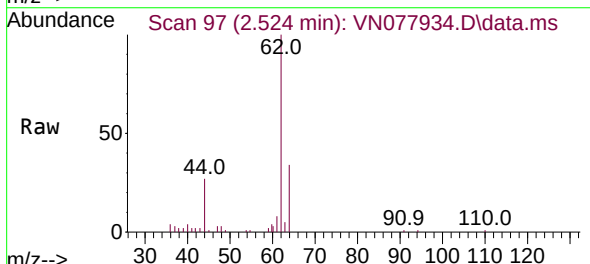
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522

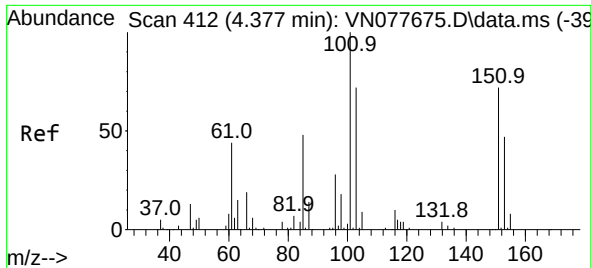
Tgt Ion: 50 Resp: 1086
Ion Ratio Lower Upper
50 100
52 37.0 26.5 39.7



#4
Vinyl Chloride
Concen: 6.001 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.012 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Tgt Ion: 62 Resp: 32009
Ion Ratio Lower Upper
62 100
64 34.1 26.2 39.2

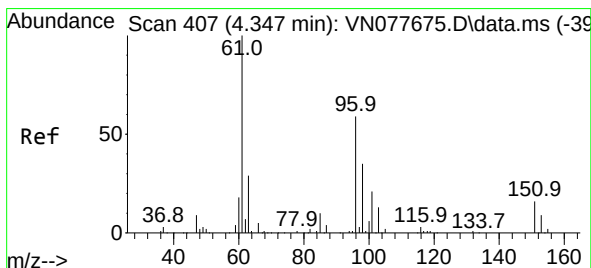
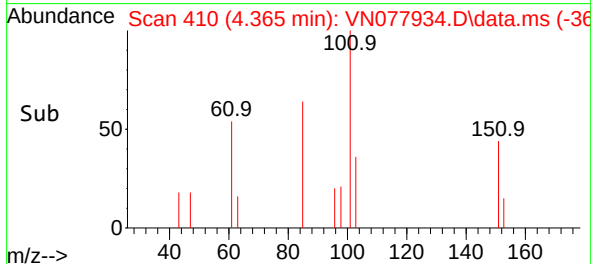
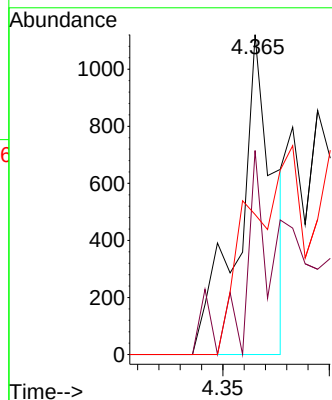
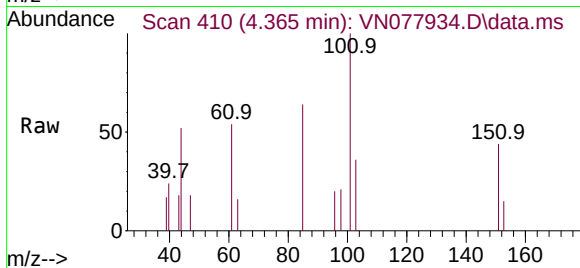




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.310 ug/l
 RT: 4.365 min Scan# 412
 Delta R.T. -0.012 min
 Lab File: VN077934.D
 Acq: 26 May 2023 17:53

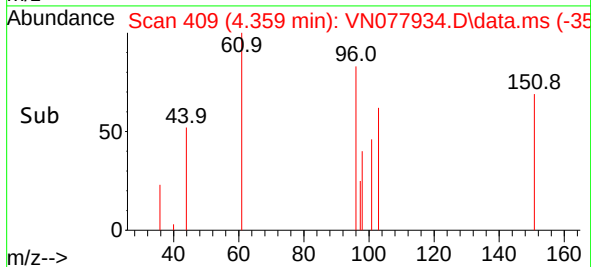
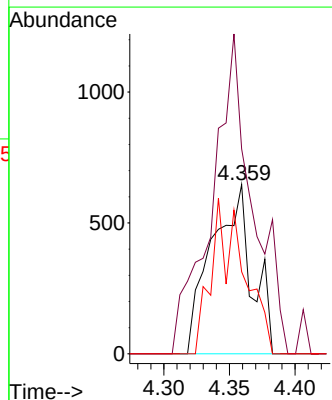
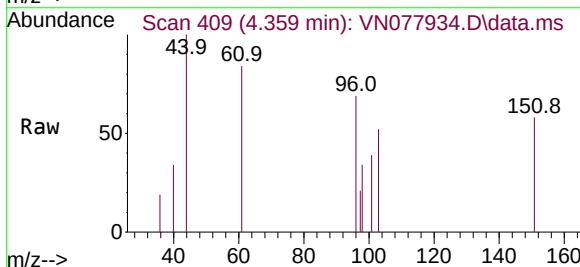
Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522

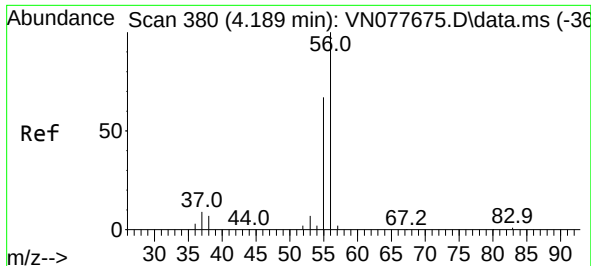
Tgt Ion:101 Resp: 1274
 Ion Ratio Lower Upper
 101 100
 85 31.3 36.6 55.0#
 151 94.3 57.6 86.4#



#12
 1,1-Dichloroethene
 Concen: 0.350 ug/l
 RT: 4.359 min Scan# 409
 Delta R.T. 0.012 min
 Lab File: VN077934.D
 Acq: 26 May 2023 17:53

Tgt Ion: 96 Resp: 1370
 Ion Ratio Lower Upper
 96 100
 61 95.1 112.7 169.1#
 98 48.5 51.2 76.8#

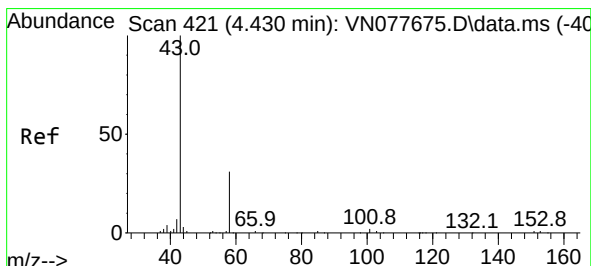
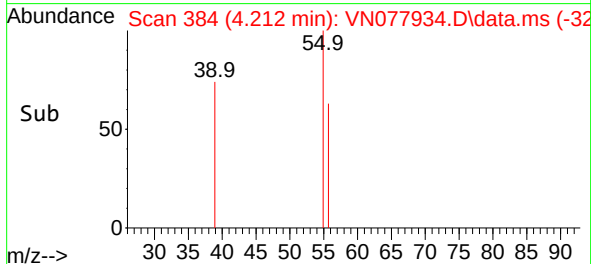
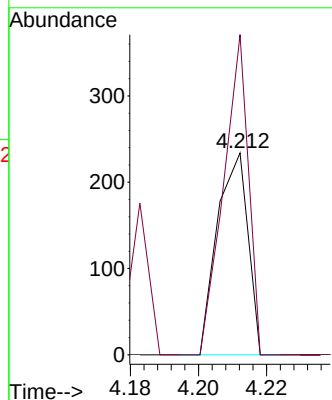
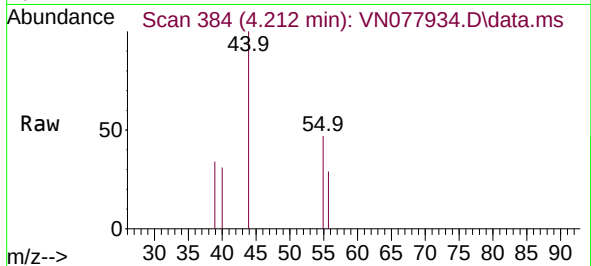




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

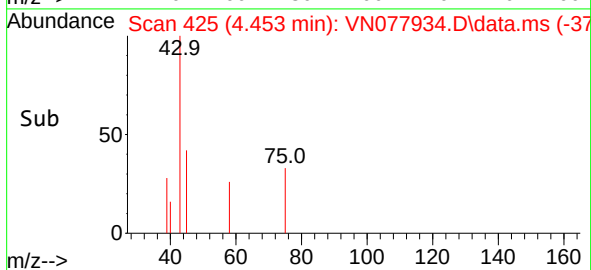
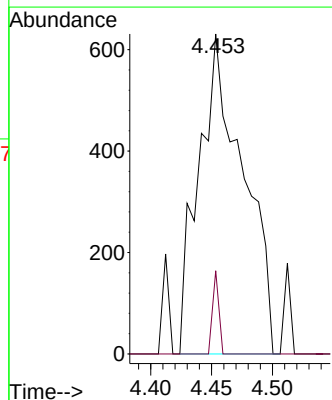
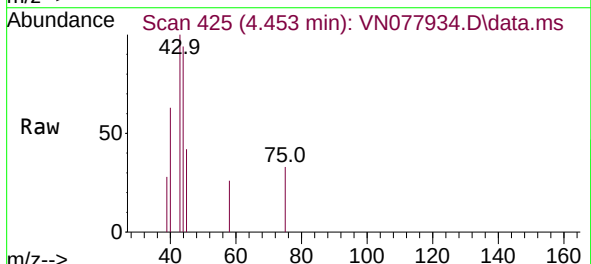
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522

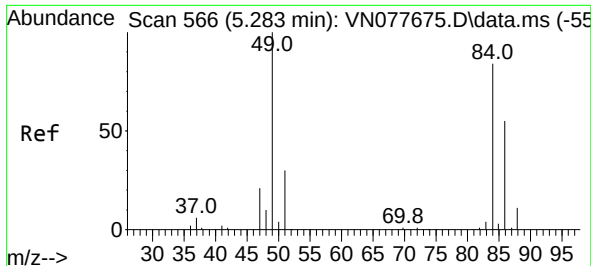
Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 129.7 54.5 81.7#



#16
Acetone
Concen: 0.913 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

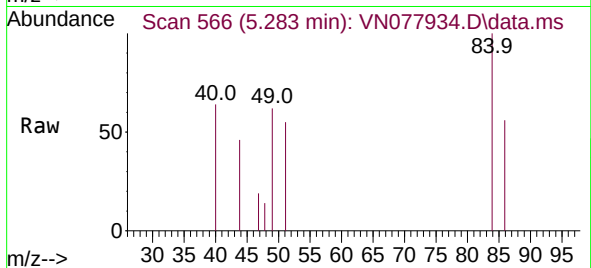
Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 26.0 28.0 42.0#



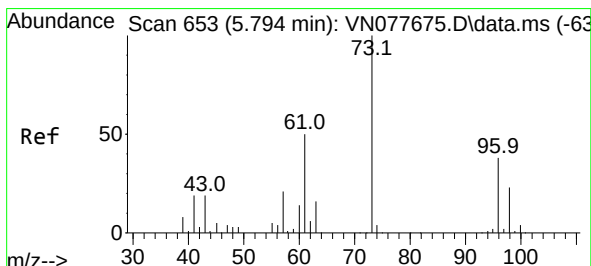
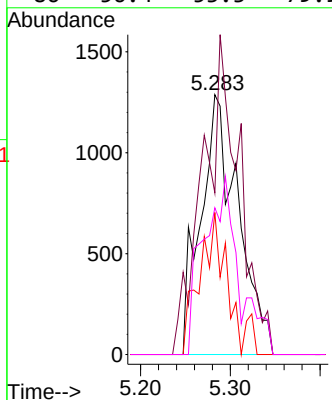
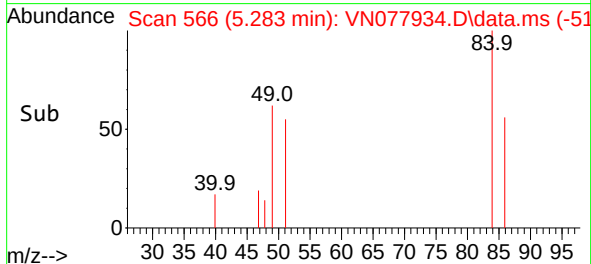


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

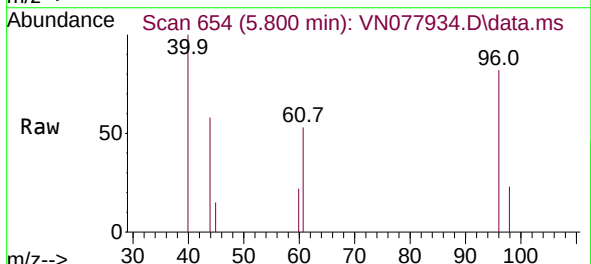
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MSVOA_N
ClientSampleId :
MW24BR-20230522



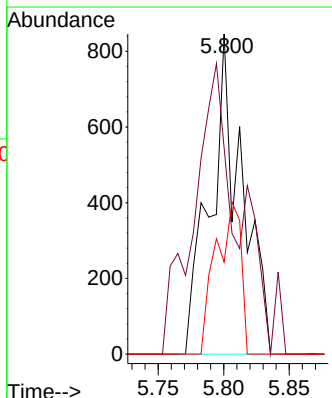
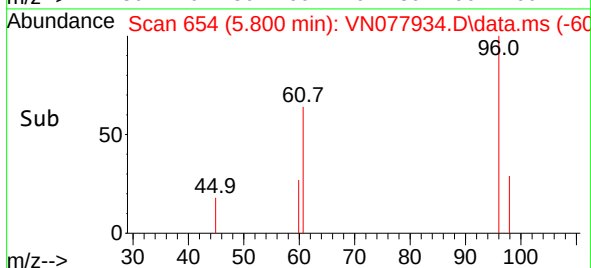
Tgt Ion	Ratio	Lower	Upper
84	100		
49	62.2	79.7	119.5#
51	54.7	25.2	37.8#
86	56.4	53.3	79.9

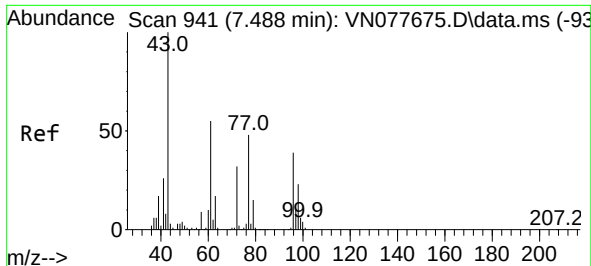


#21
trans-1,2-Dichloroethene
Concen: 0.322 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53



Tgt Ion	Ratio	Lower	Upper
96	100		
61	38.8	90.1	135.1#
98	28.7	46.4	69.6#





#27

cis-1,2-Dichloroethene

Concen: 43.891 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN077934.D

Acq: 26 May 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

MW24BR-20230522

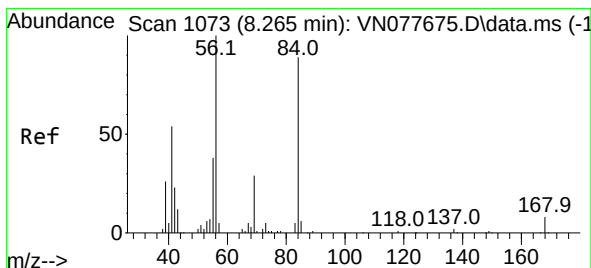
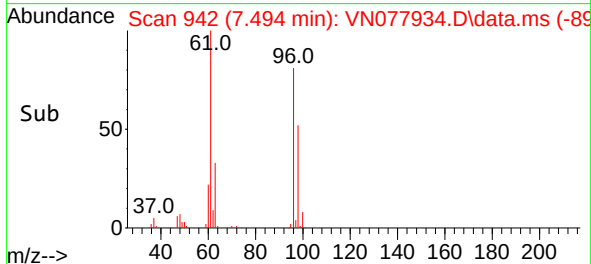
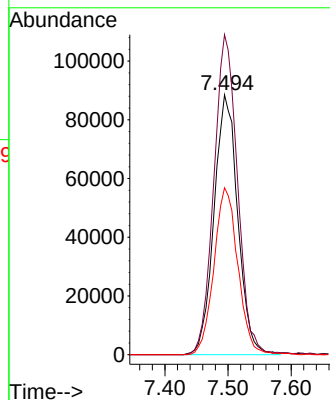
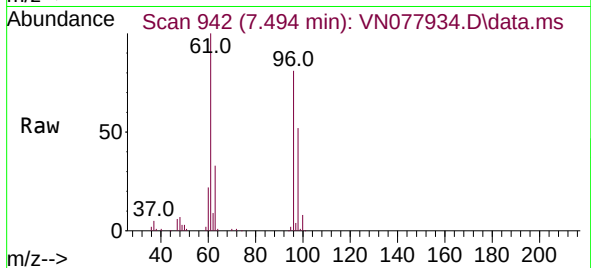
Tgt Ion: 96 Resp: 231151

Ion Ratio Lower Upper

96 100

61 122.8 0.0 255.2

98 64.8 0.0 128.8



#31

Cyclohexane

Concen: 1.332 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN077934.D

Acq: 26 May 2023 17:53

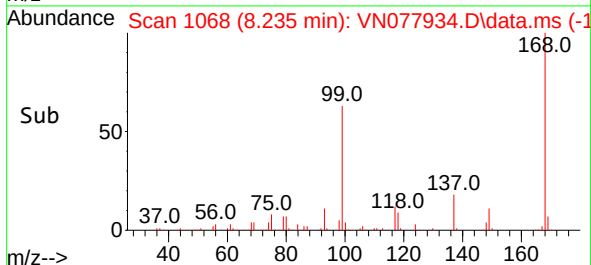
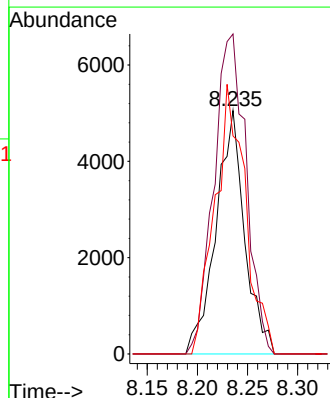
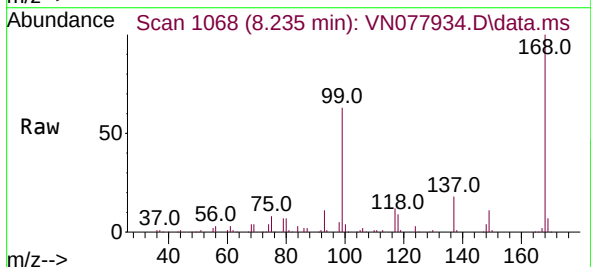
Tgt Ion: 56 Resp: 10070

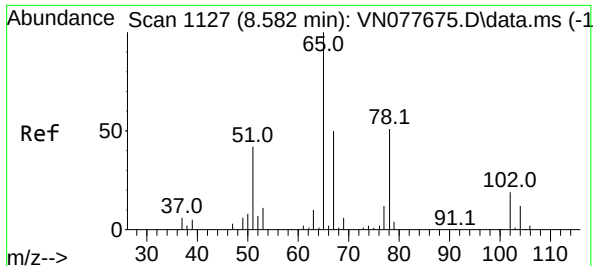
Ion Ratio Lower Upper

56 100

69 131.5 26.8 40.2#

84 89.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.981 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077934.D

Acq: 26 May 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

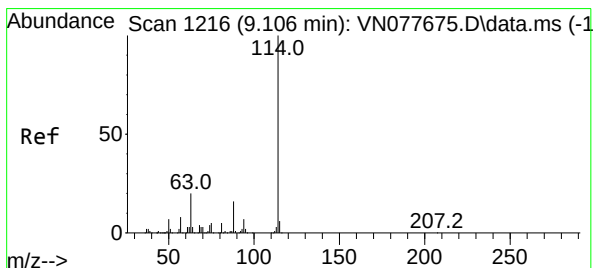
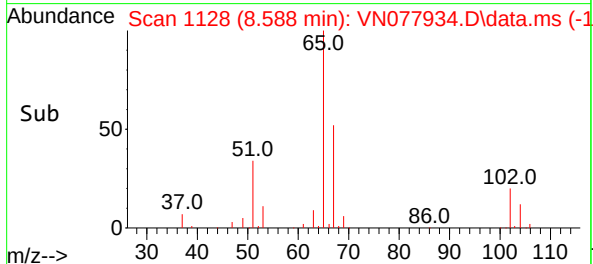
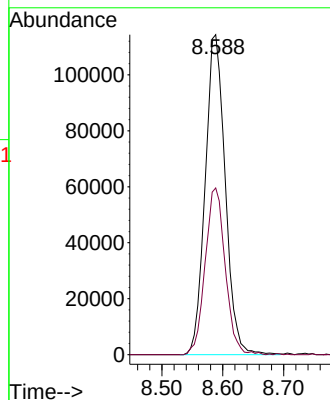
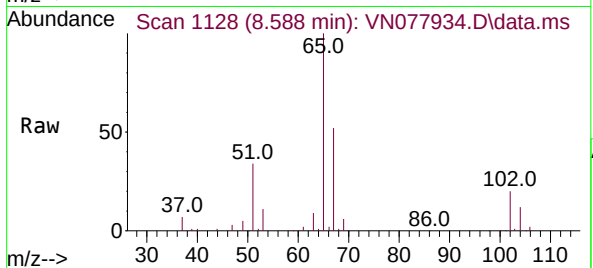
MW24BR-20230522

Tgt Ion: 65 Resp: 261337

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077934.D

Acq: 26 May 2023 17:53

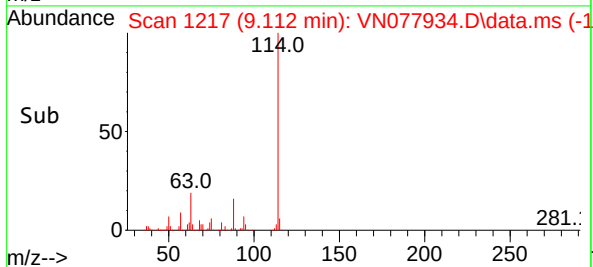
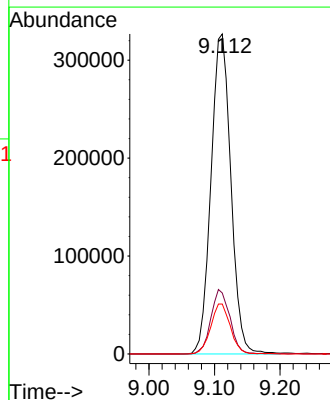
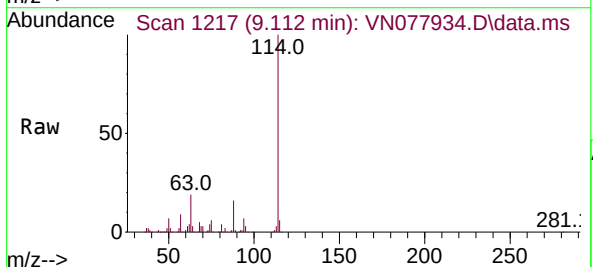
Tgt Ion: 114 Resp: 687826

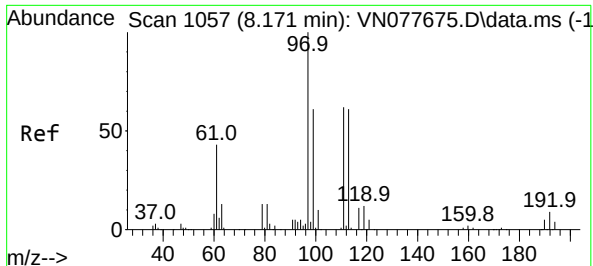
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.831 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077934.D

Acq: 26 May 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

MW24BR-20230522

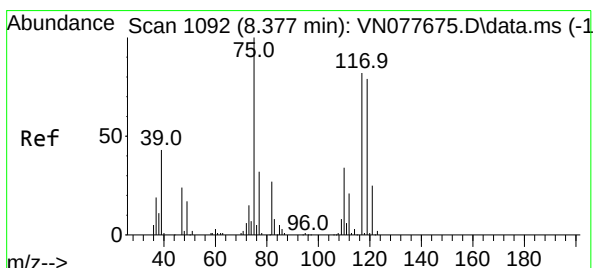
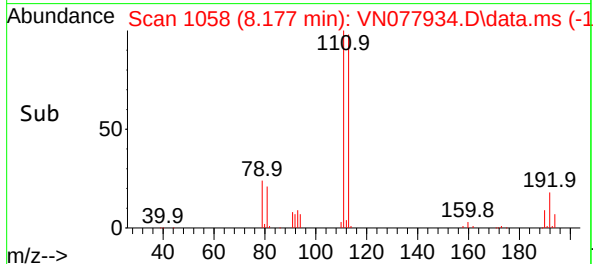
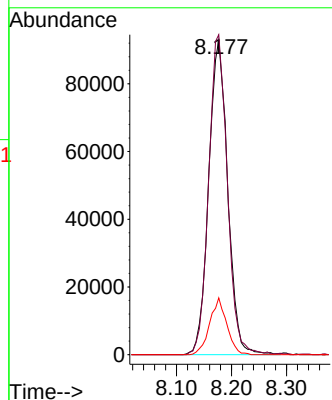
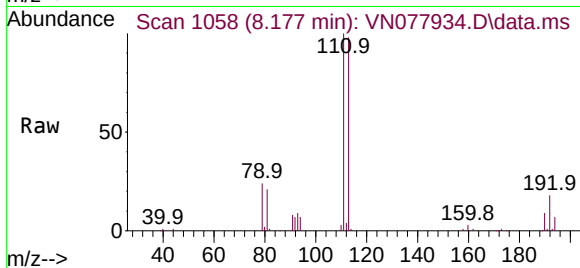
Tgt Ion:113 Resp: 223503

Ion Ratio Lower Upper

113 100

111 100.1 82.6 123.8

192 16.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.935 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077934.D

Acq: 26 May 2023 17:53

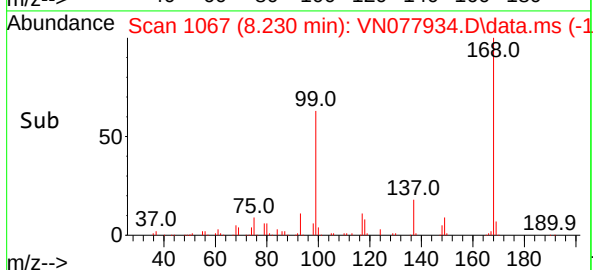
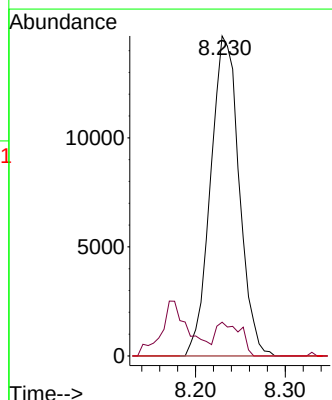
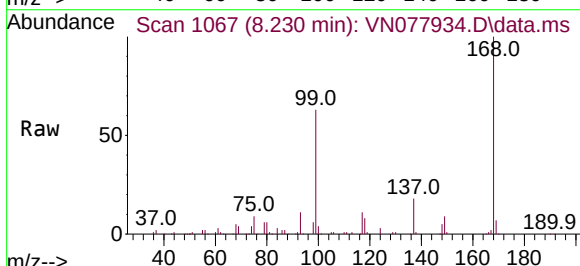
Tgt Ion: 75 Resp: 32374

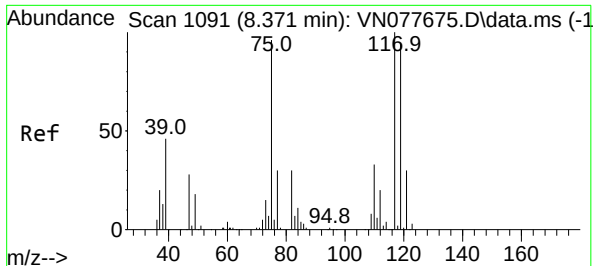
Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

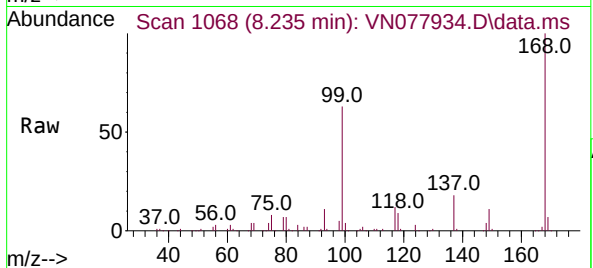
77 0.0 25.0 37.4#



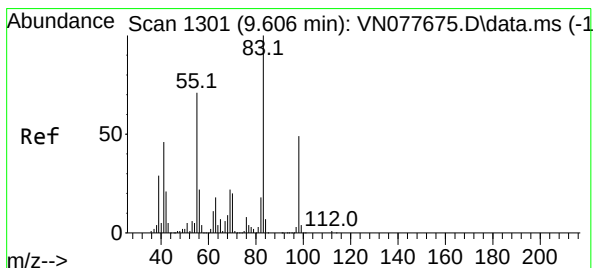
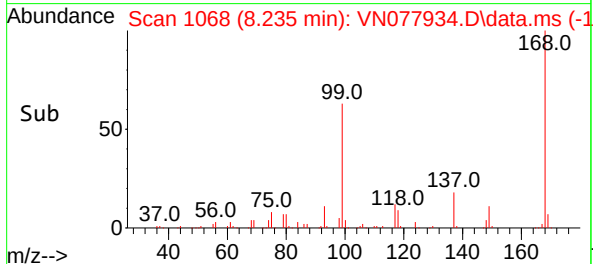
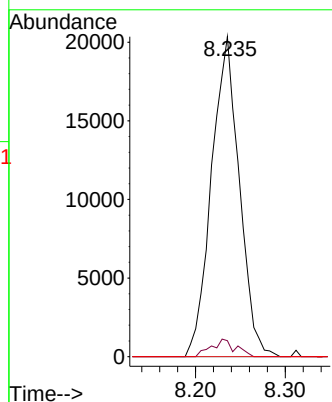


#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 8.235 min Scan# 11
Delta R.T. -0.136 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Instrument :
MSVOA_N
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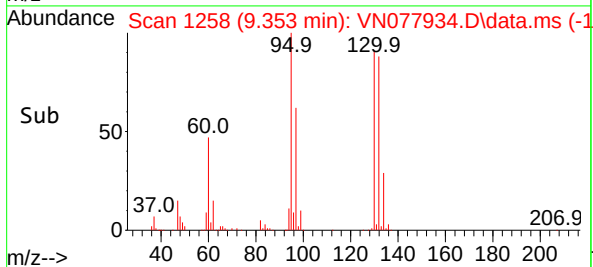
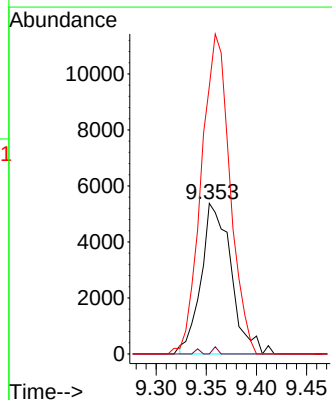
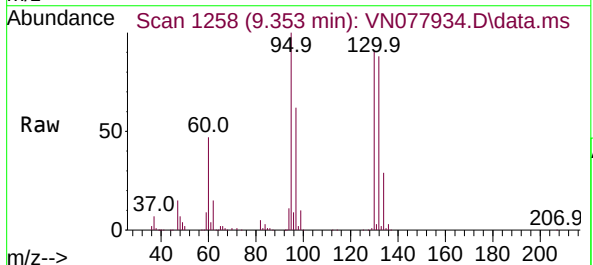


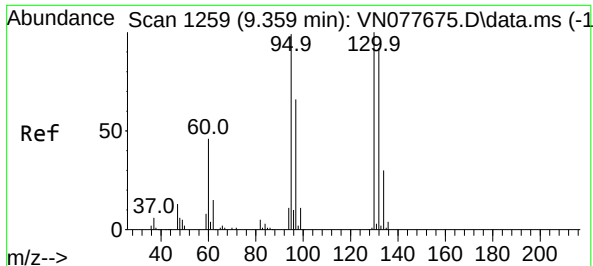
Tgt Ion:117 Resp: 43884
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 1.388 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.253 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Tgt Ion: 83 Resp: 11145
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 177.7 40.6 61.0#

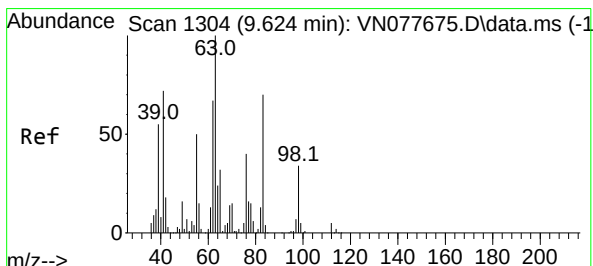
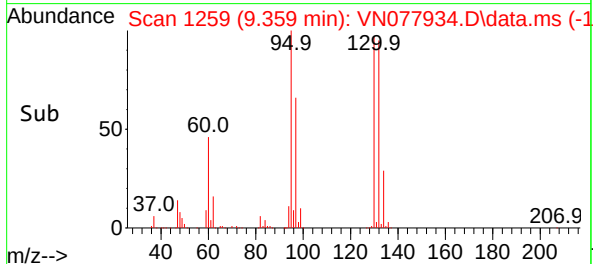
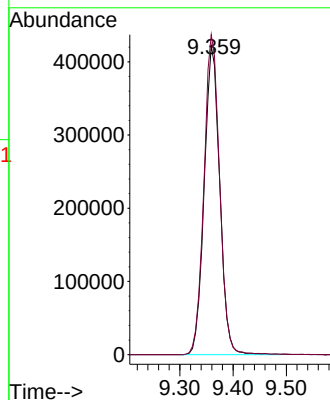
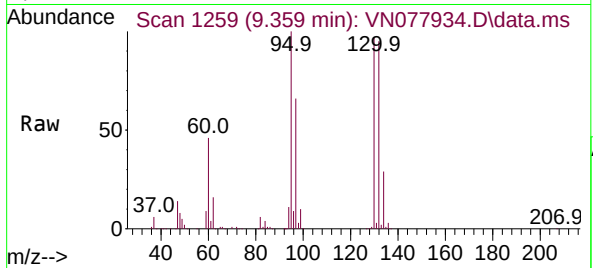




#44
Trichloroethene
Concen: 174.246 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

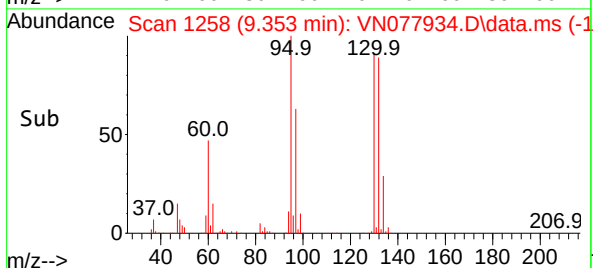
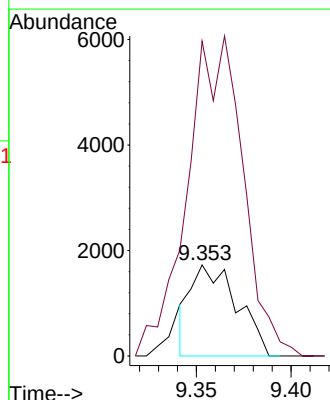
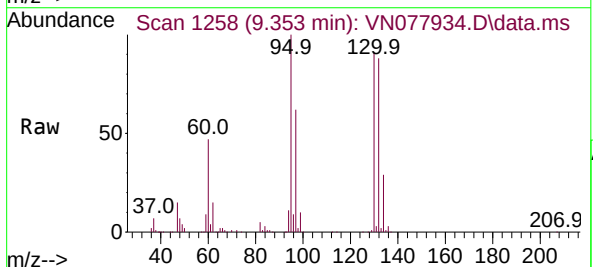
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522

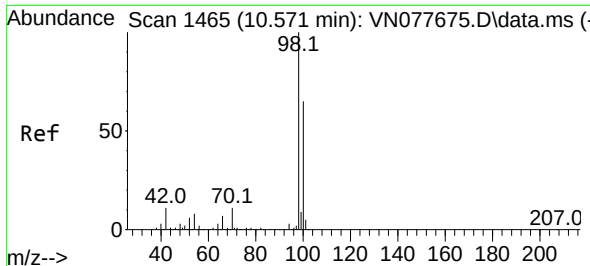
Tgt Ion:130 Resp: 854148
Ion Ratio Lower Upper
130 100
95 103.5 0.0 204.6



#45
1,2-Dichloropropane
Concen: 0.592 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.271 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Tgt Ion: 63 Resp: 2925
Ion Ratio Lower Upper
63 100
65 330.1 23.9 35.9#

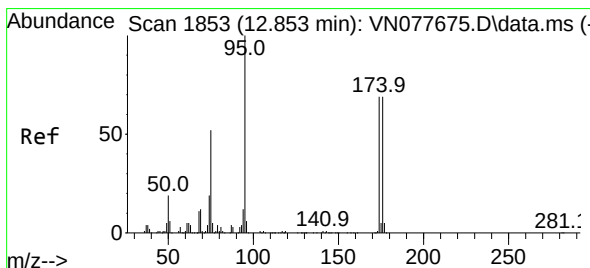
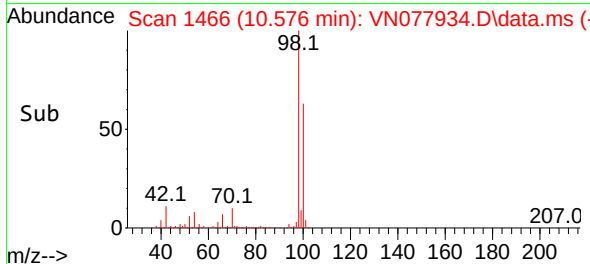
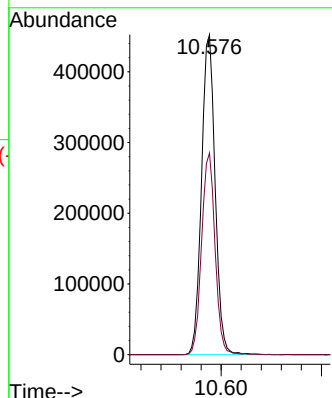
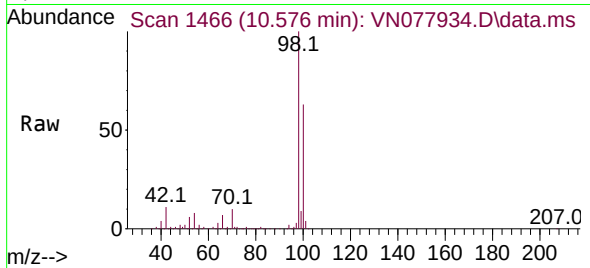




#50
Toluene-d8
Concen: 49.326 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

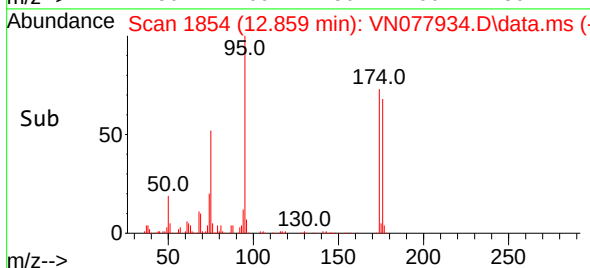
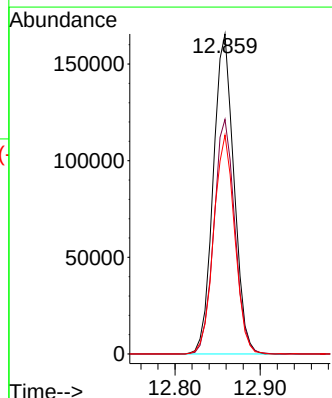
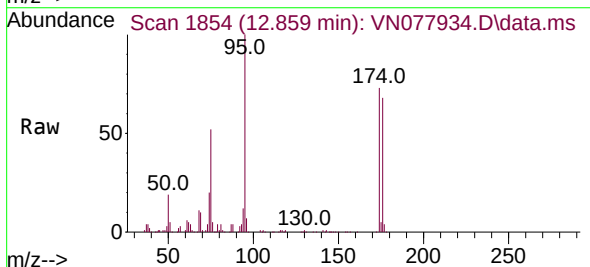
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522

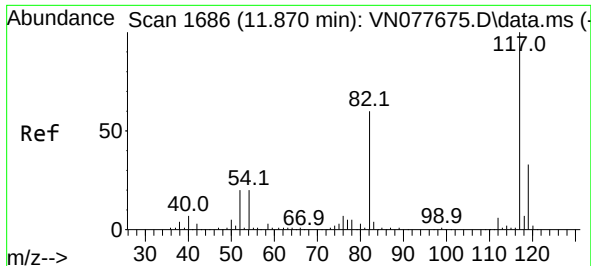
Tgt Ion: 98 Resp: 851569
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.745 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Tgt Ion: 95 Resp: 278922
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 69.6 0.0 135.8

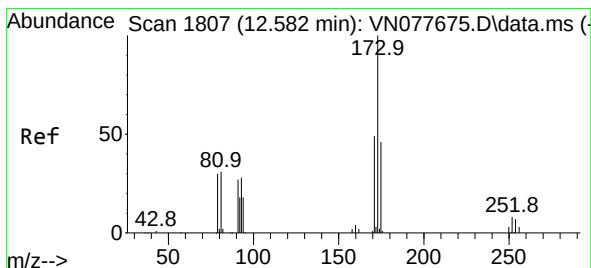
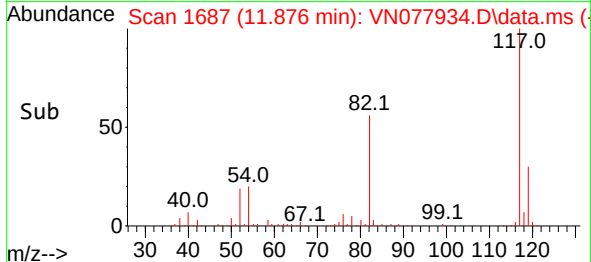
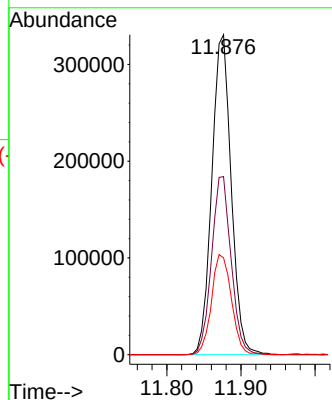
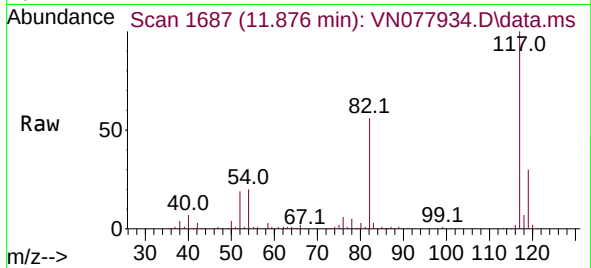




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

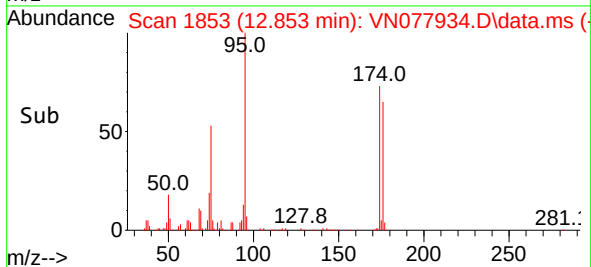
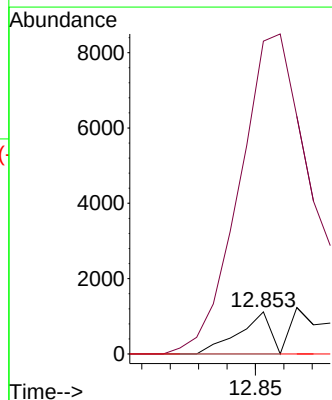
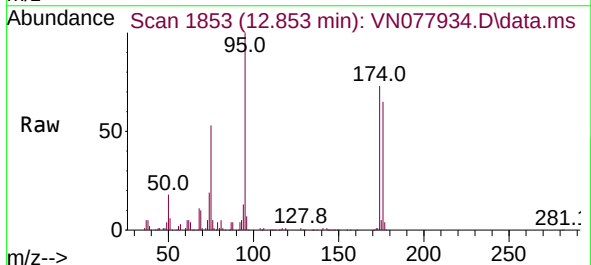
Instrument :
MSVOA_N
ClientSampleId :
MW24BR-20230522

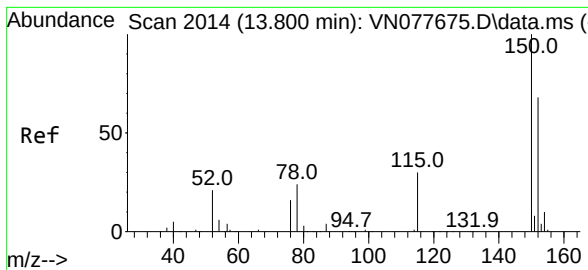
Tgt Ion:117 Resp: 601127
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 30.2 25.6 38.4



#71
Bromoform
Concen: 0.290 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077934.D
Acq: 26 May 2023 17:53

Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

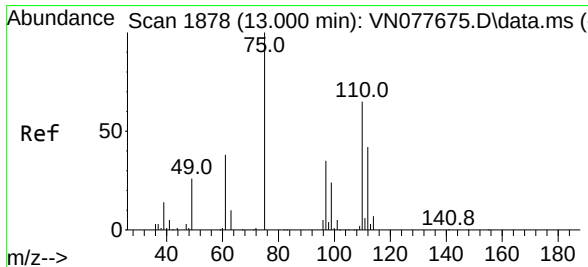
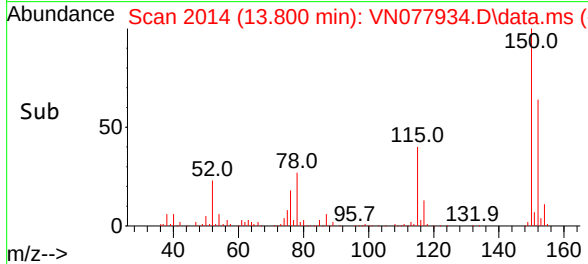
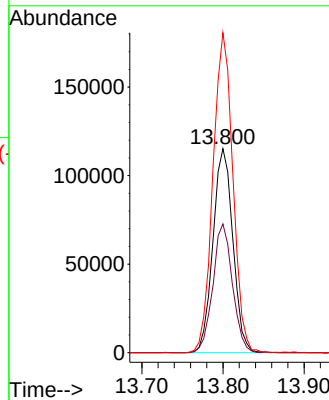
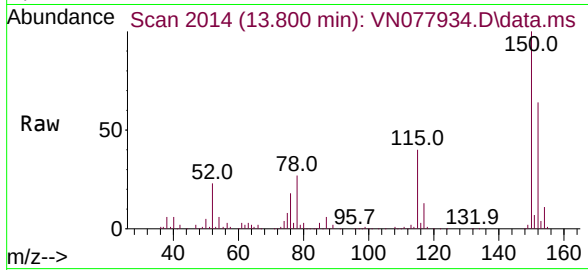




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077934.D
 Acq: 26 May 2023 17:53

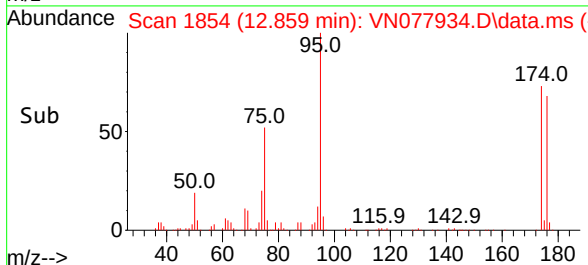
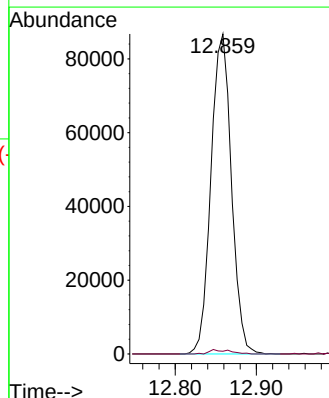
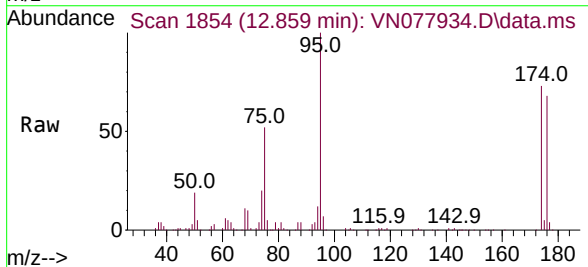
Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522

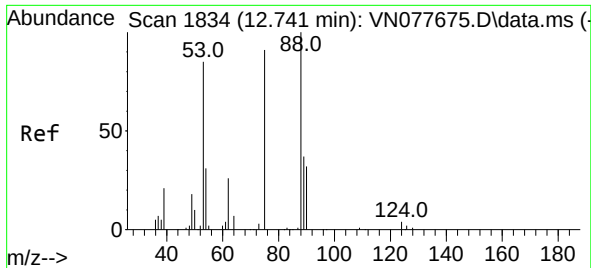
Tgt Ion:152 Resp: 196102
 Ion Ratio Lower Upper
 152 100
 115 62.1 32.3 96.8
 150 157.2 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.905 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077934.D
 Acq: 26 May 2023 17:53

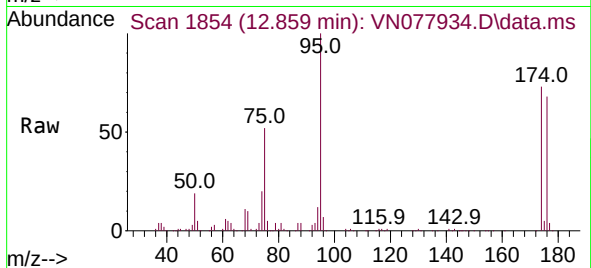
Tgt Ion: 75 Resp: 151776
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.787 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077934.D
 Acq: 26 May 2023 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MW24BR-20230522



Tgt Ion: 75 Resp: 151776
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

