

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077977.D
 Acq On : 30 May 2023 18:15
 Operator : JC\MD
 Sample : 02910-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW04BR-20230523

Quant Time: May 31 02:10:50 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

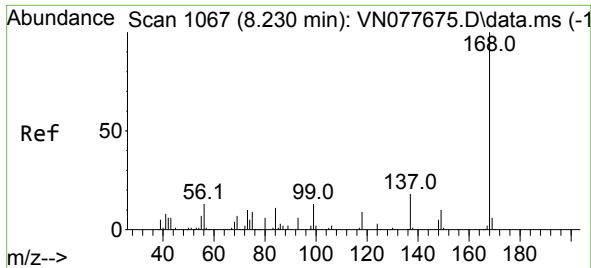
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	377399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	692359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	600566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	179631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	258151	45.716	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.440%		
35) Dibromofluoromethane	8.177	113	224002	49.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.240%		
50) Toluene-d8	10.576	98	851208	48.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.960%		
62) 4-Bromofluorobenzene	12.859	95	266452	43.414	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	1786	0.416	ug/l	79
3) Chloromethane	2.377	50	986	Below Cal	#	61
4) Vinyl Chloride	2.524	62	34119	6.301	ug/l	90
5) Bromomethane	2.959	94	898	0.224	ug/l	# 29
9) 1,1,2-Trichlorotrifluo...	4.383	101	12324	2.951	ug/l	96
11) Tert butyl alcohol	5.518	59	1027	1.318	ug/l	# 72
12) 1,1-Dichloroethene	4.342	96	2869	0.723	ug/l	95
13) Acrolein	4.224	56	62	Below Cal	#	78
16) Acetone	4.447	43	406	0.229	ug/l	# 40
20) Methylene Chloride	5.277	84	3141	Below Cal	#	78
21) trans-1,2-Dichloroethene	5.806	96	5177	1.161	ug/l	# 89
27) cis-1,2-Dichloroethene	7.500	96	263391	49.266	ug/l	98
31) Cyclohexane	8.229	56	9036	1.177	ug/l	# 34
36) 1,1-Dichloropropene	8.229	75	33485	5.071	ug/l	# 49
38) Carbon Tetrachloride	8.229	117	41026	6.152	ug/l	# 17
39) Methylcyclohexane	9.365	83	3378	0.418	ug/l	# 17
43) Isopropyl Acetate	8.747	43	1989	0.207	ug/l	# 49
44) Trichloroethene	9.359	130	258723	52.434	ug/l	97
51) 4-Methyl-2-Pentanone	10.582	43	3622	0.634	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	137810	30.634	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	137810	97.922	ug/l	# 15

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

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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

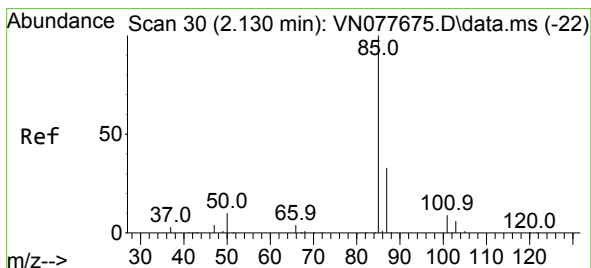
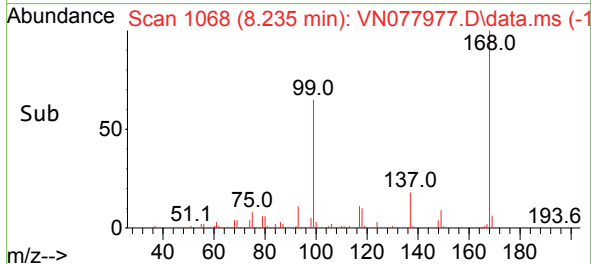
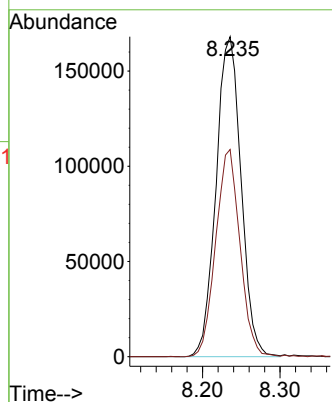
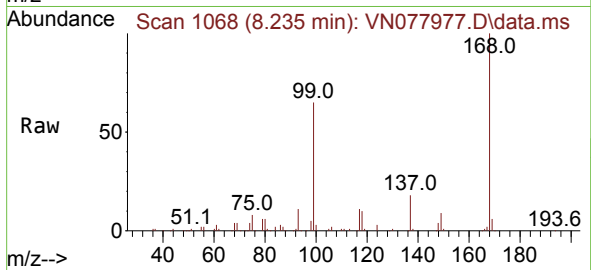




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

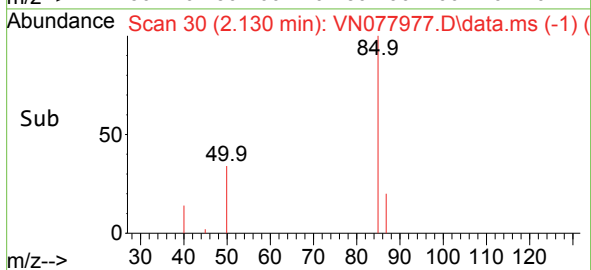
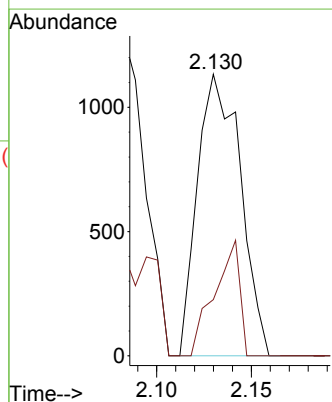
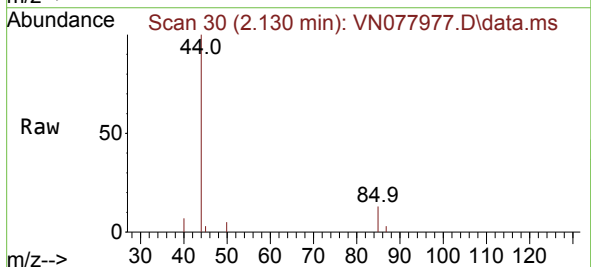
Instrument :
MSVOA_N
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MW04BR-20230523

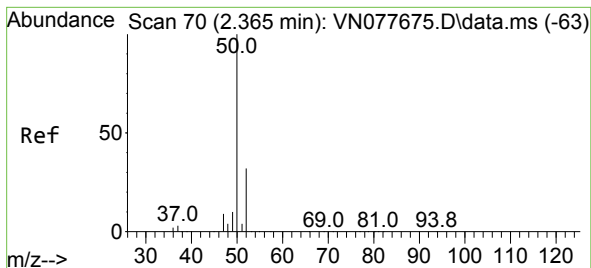
Tgt Ion:168 Resp: 377399
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.416 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 85 Resp: 1786
Ion Ratio Lower Upper
85 100
87 19.9 15.8 47.4





#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 70

Delta R.T. 0.012 min

Lab File: VN077977.D

Acq: 30 May 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

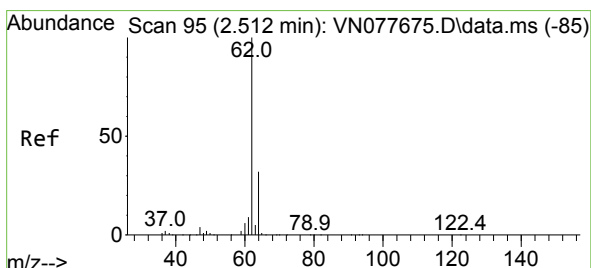
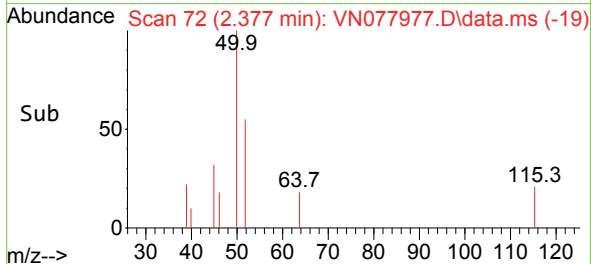
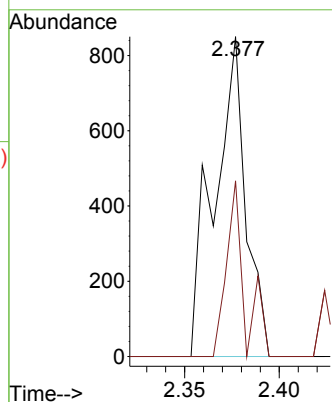
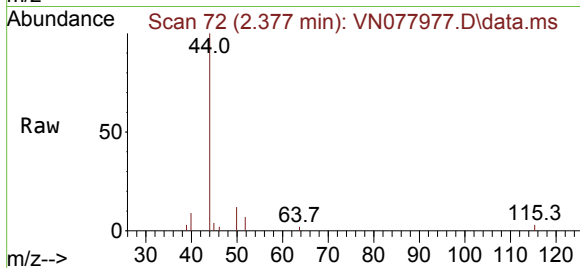
MW04BR-20230523

Tgt Ion: 50 Resp: 986

Ion Ratio Lower Upper

50 100

52 54.9 26.5 39.7#



#4

Vinyl Chloride

Concen: 6.301 ug/l

RT: 2.524 min Scan# 97

Delta R.T. 0.012 min

Lab File: VN077977.D

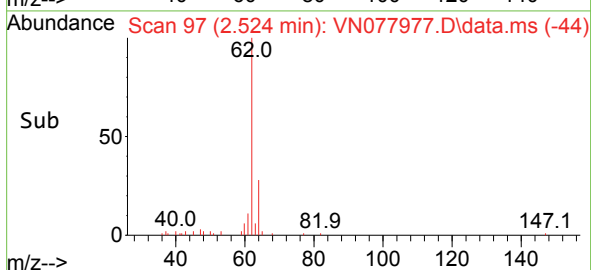
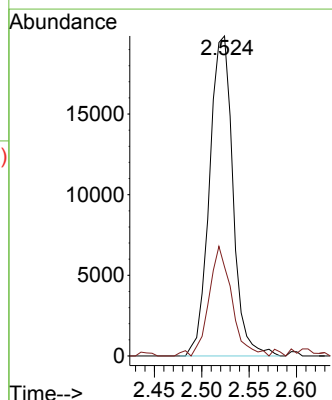
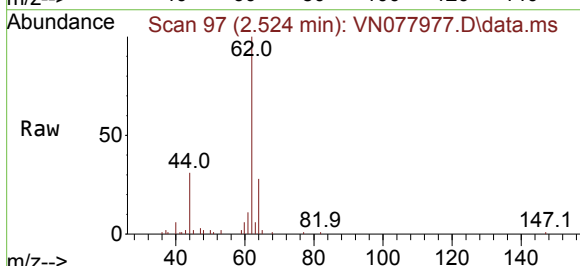
Acq: 30 May 2023 18:15

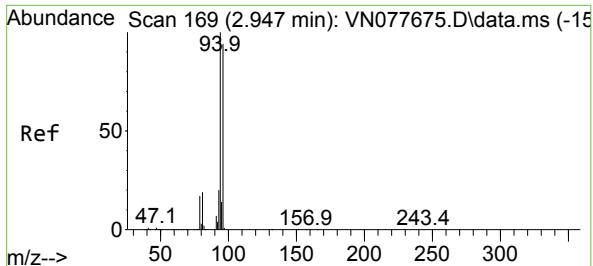
Tgt Ion: 62 Resp: 34119

Ion Ratio Lower Upper

62 100

64 26.8 26.2 39.2

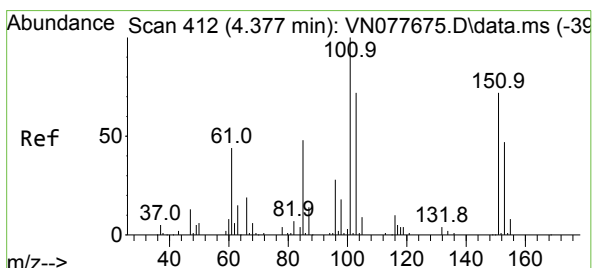
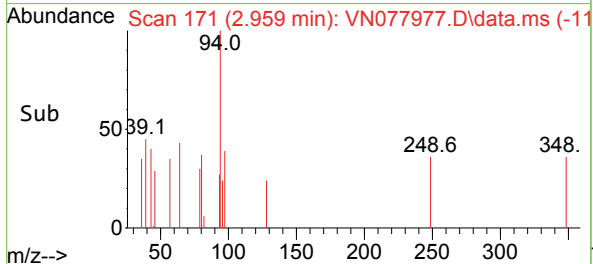
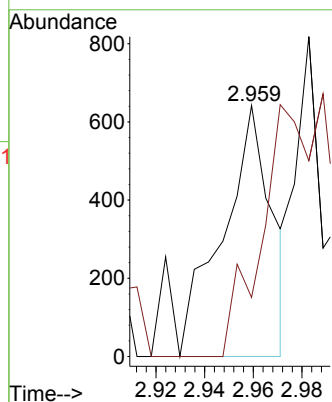
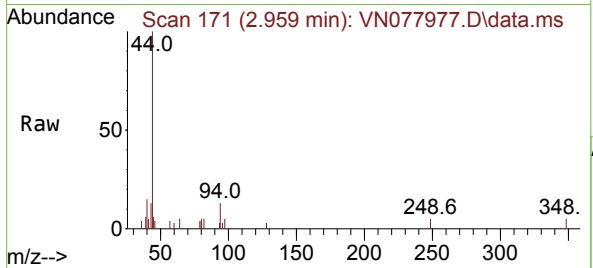




#5
Bromomethane
Concen: 0.224 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

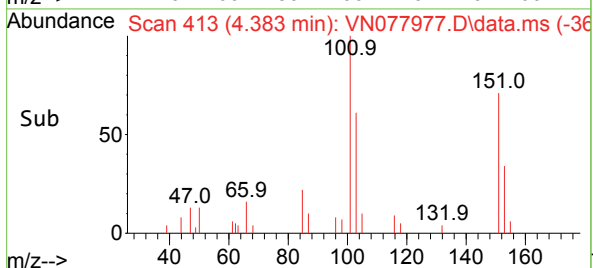
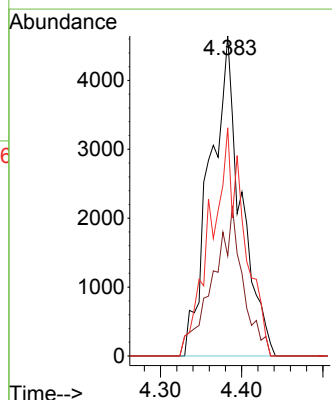
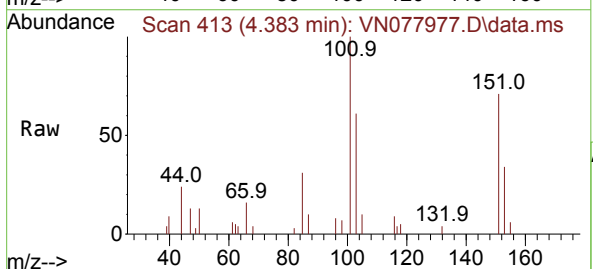
Instrument :
MSVOA_N
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MW04BR-20230523

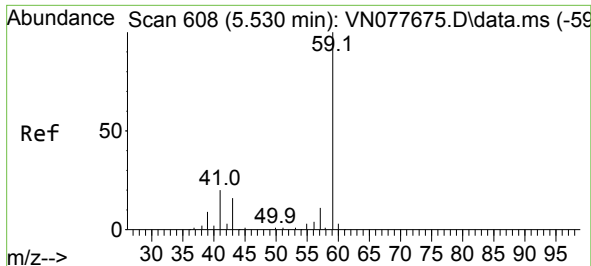
Tgt Ion: 94 Resp: 898
Ion Ratio Lower Upper
94 100
96 23.5 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.951 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 101 Resp: 12324
Ion Ratio Lower Upper
101 100
85 45.5 36.6 55.0
151 77.1 57.6 86.4

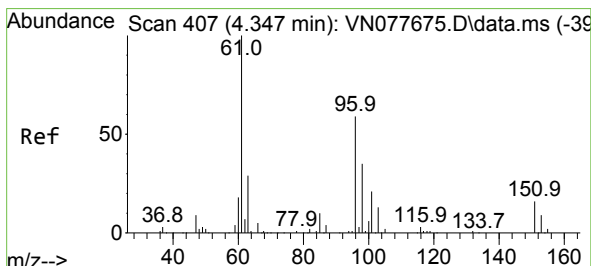
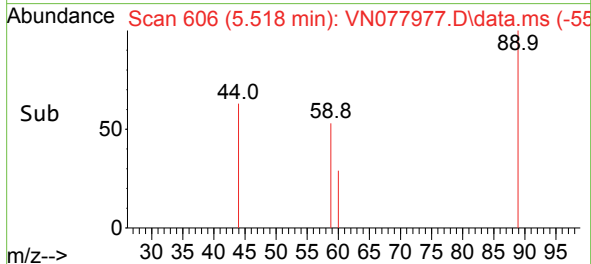
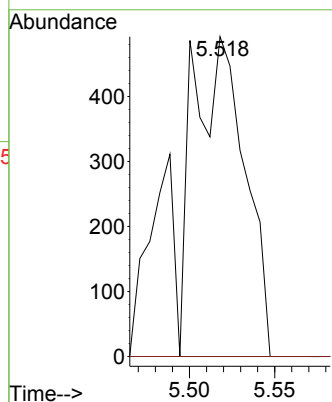
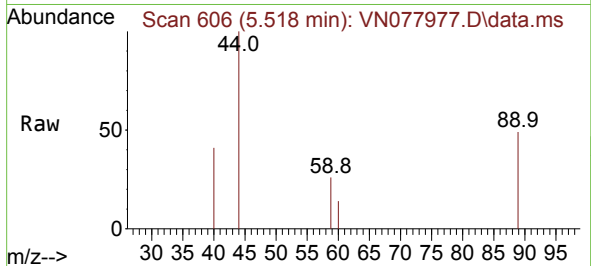




#11
Tert butyl alcohol
Concen: 1.318 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

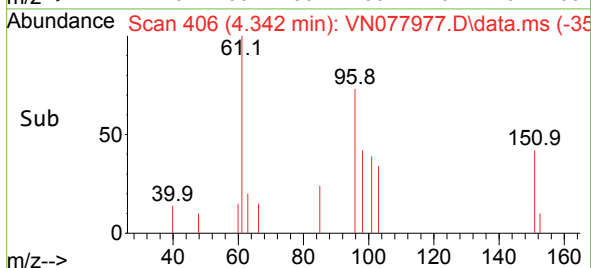
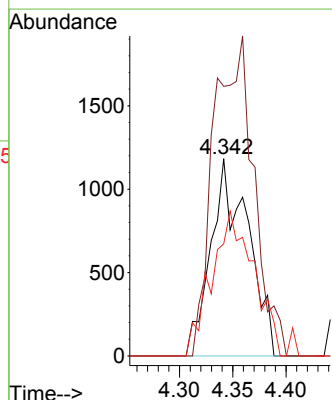
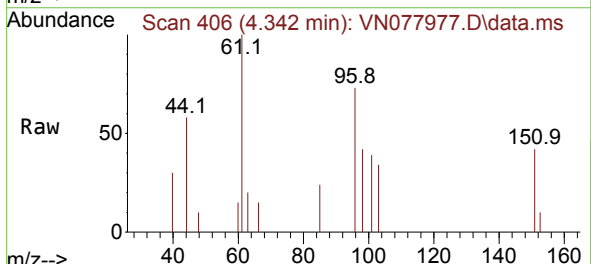
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

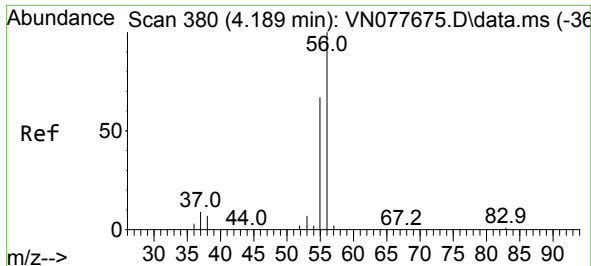
Tgt Ion: 59 Resp: 1027
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.723 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.005 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 96 Resp: 2869
Ion Ratio Lower Upper
96 100
61 136.7 112.7 169.1
98 56.8 51.2 76.8





#13

Acrolein

Concen: Below Cal

RT: 4.224 min Scan# 386

Delta R.T. 0.035 min

Lab File: VN077977.D

Acq: 30 May 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

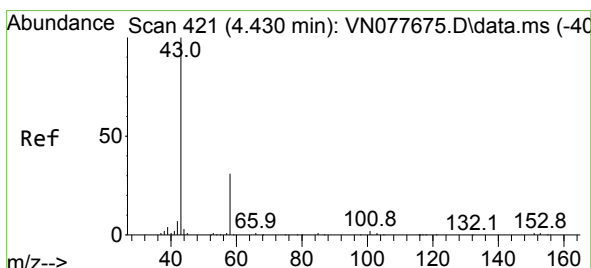
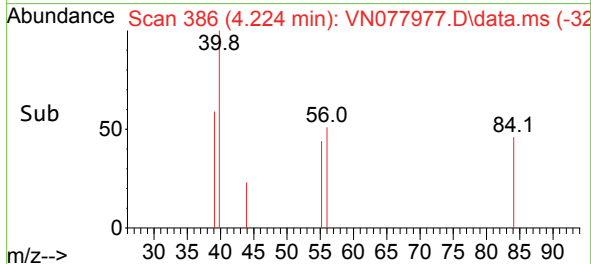
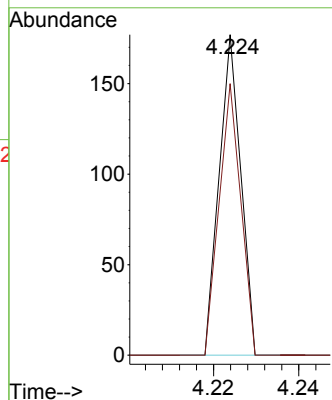
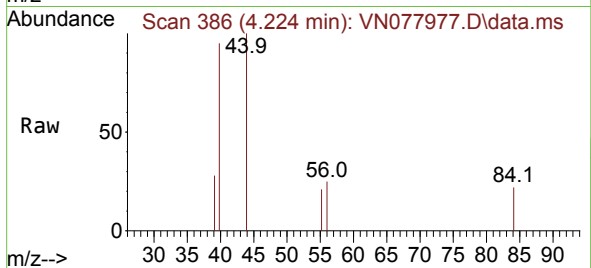
MW04BR-20230523

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 85.5 54.5 81.7#



#16

Acetone

Concen: 0.229 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.017 min

Lab File: VN077977.D

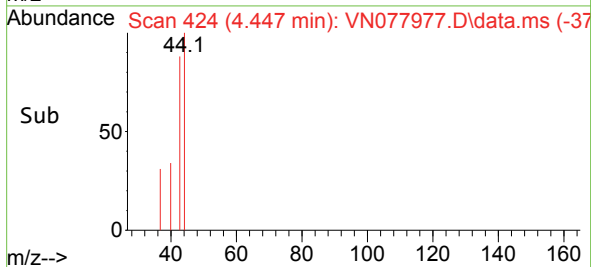
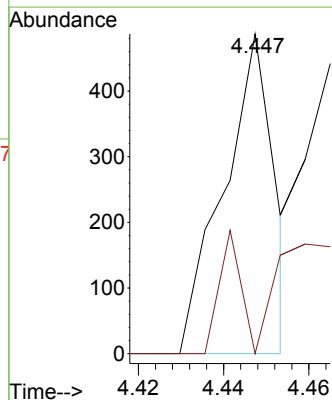
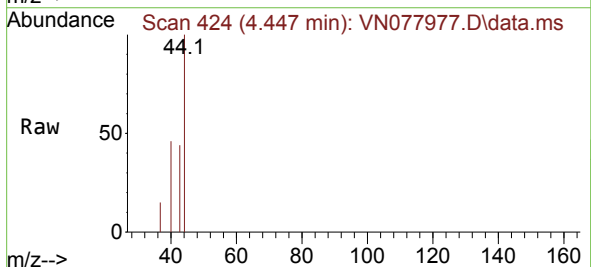
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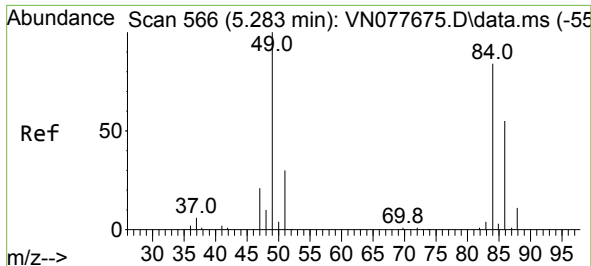
Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#

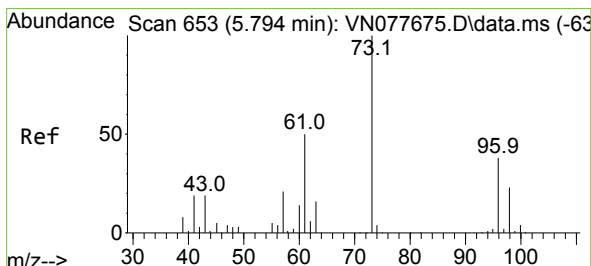
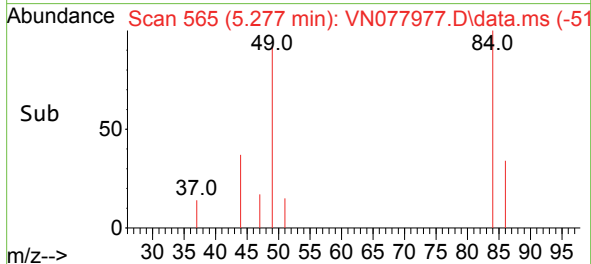
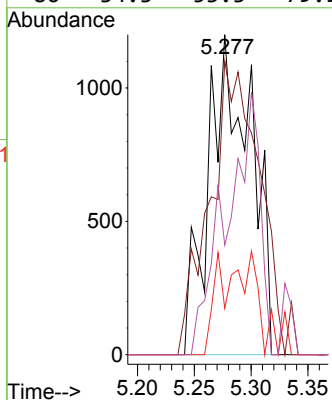
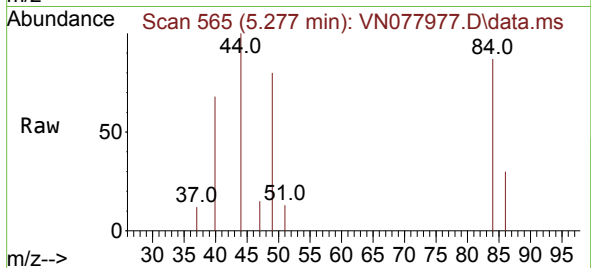




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

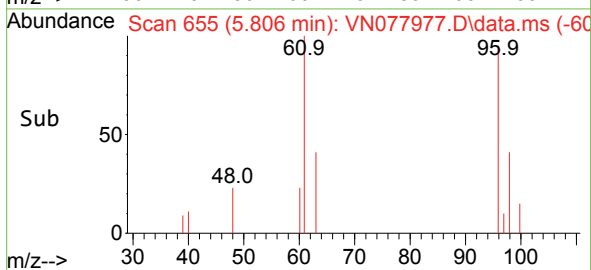
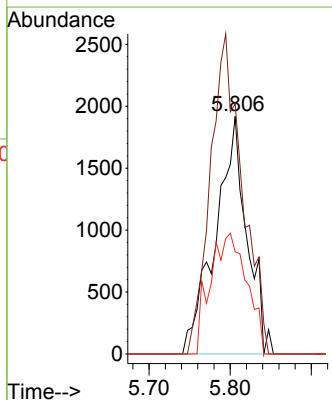
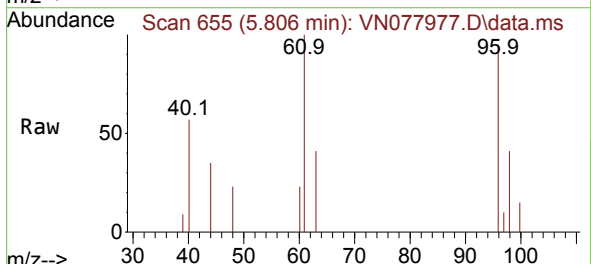
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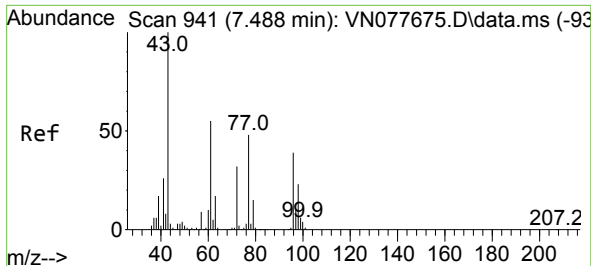
Tgt Ion: 84	Resp:	3141	
Ion	Ratio	Lower	Upper
84	100		
49	91.8	79.7	119.5
51	14.5	25.2	37.8#
86	34.3	53.3	79.9#



#21
trans-1,2-Dichloroethene
Concen: 1.161 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.012 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 96	Resp:	5177	
Ion	Ratio	Lower	Upper
96	100		
61	105.2	90.1	135.1
98	43.0	46.4	69.6#

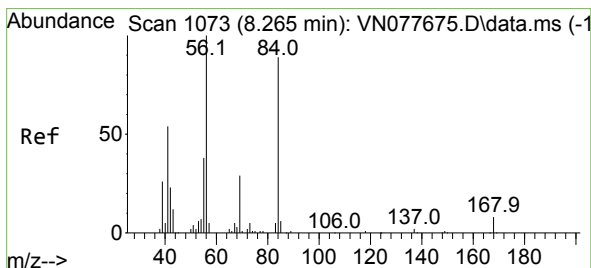
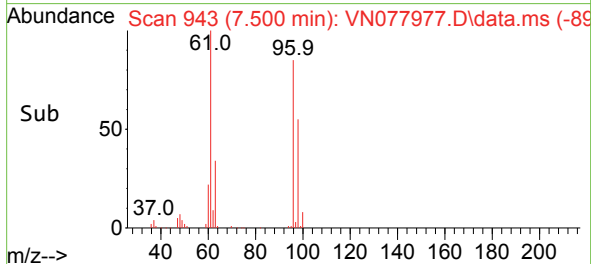
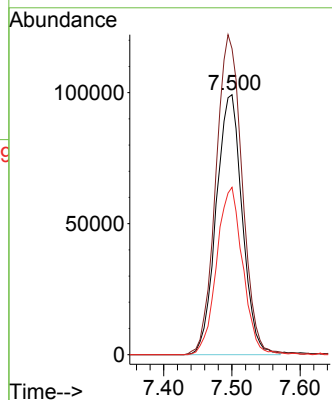
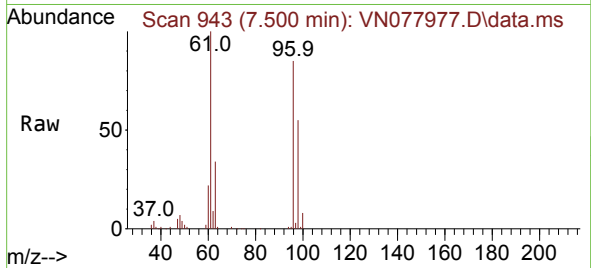




#27
 cis-1,2-Dichloroethene
 Concen: 49.266 ug/l
 RT: 7.500 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VN077977.D
 Acq: 30 May 2023 18:15

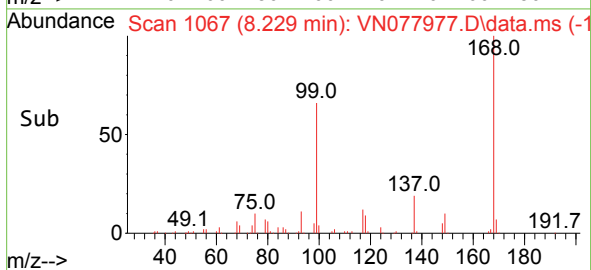
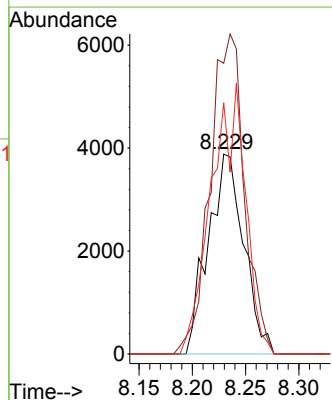
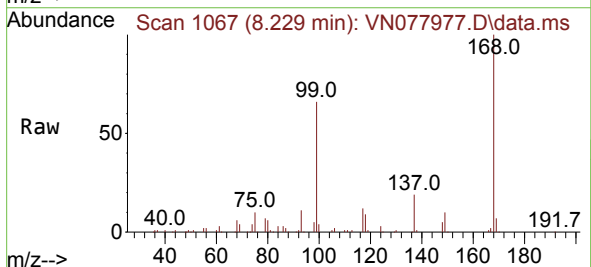
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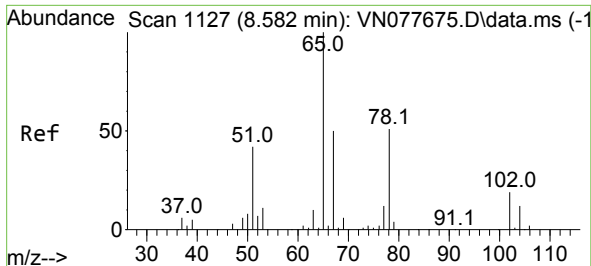
Tgt Ion: 96 Resp: 263391
 Ion Ratio Lower Upper
 96 100
 61 124.8 0.0 255.2
 98 64.4 0.0 128.8



#31
 Cyclohexane
 Concen: 1.177 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.036 min
 Lab File: VN077977.D
 Acq: 30 May 2023 18:15

Tgt Ion: 56 Resp: 9036
 Ion Ratio Lower Upper
 56 100
 69 145.5 26.8 40.2#
 84 125.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.716 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077977.D

Acq: 30 May 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

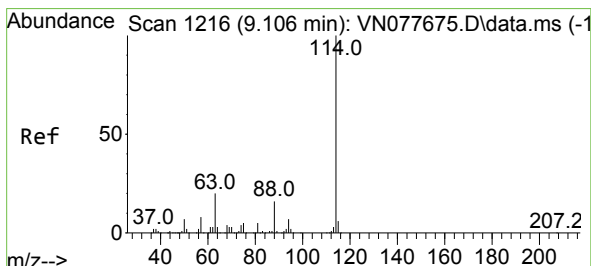
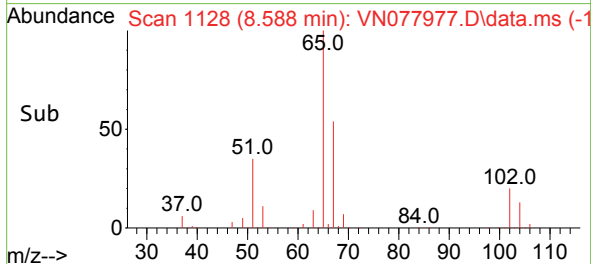
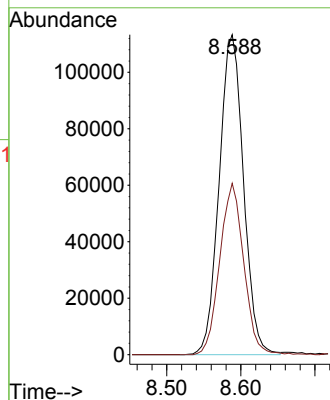
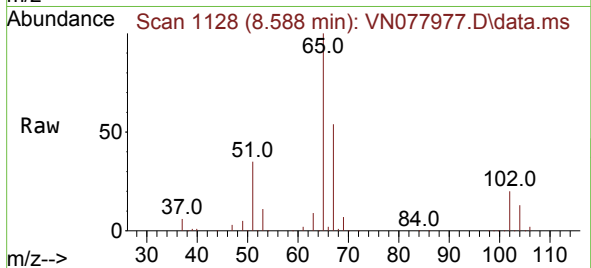
MW04BR-20230523

Tgt Ion: 65 Resp: 258151

Ion Ratio Lower Upper

65 100

67 52.9 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: VN077977.D

Acq: 30 May 2023 18:15

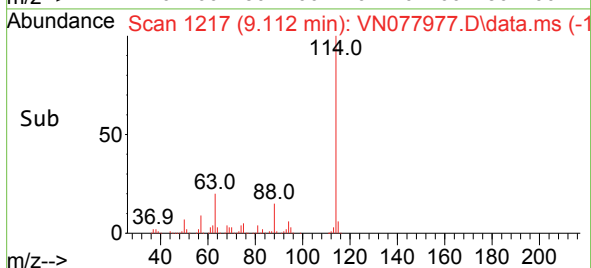
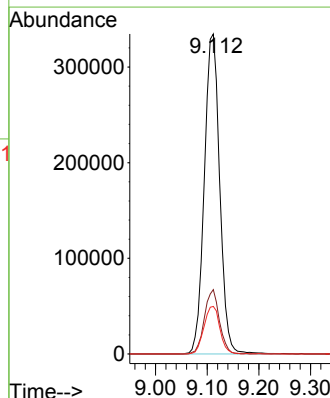
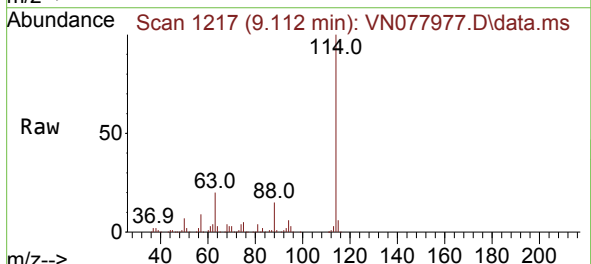
Tgt Ion: 114 Resp: 692359

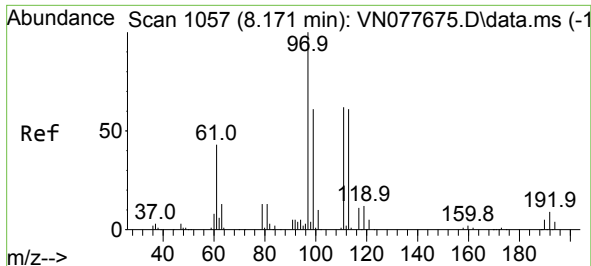
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 14.9 0.0 30.6

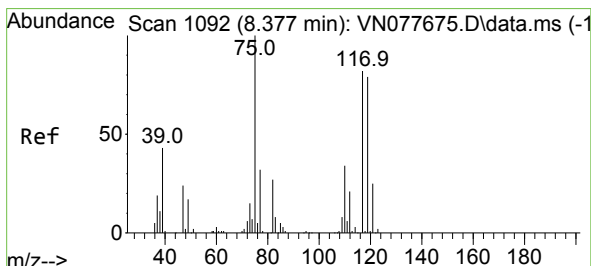
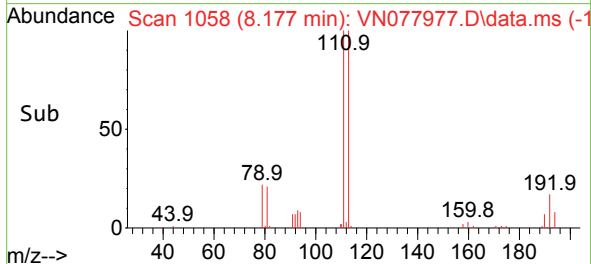
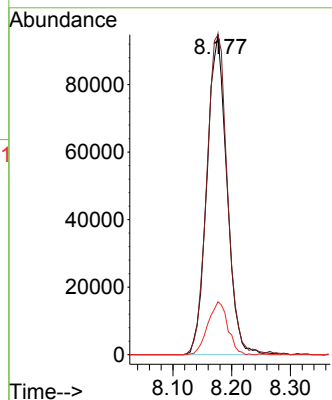
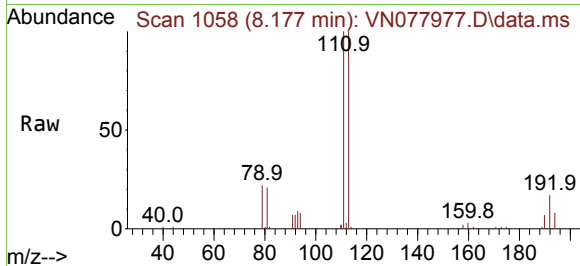




#35
Dibromofluoromethane
Concen: 49.615 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

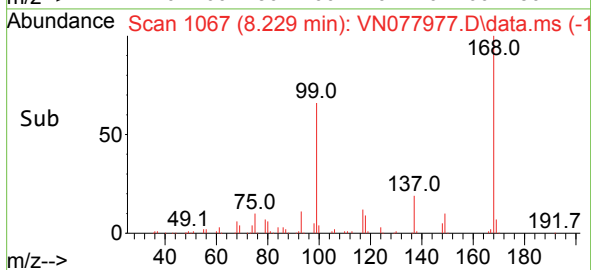
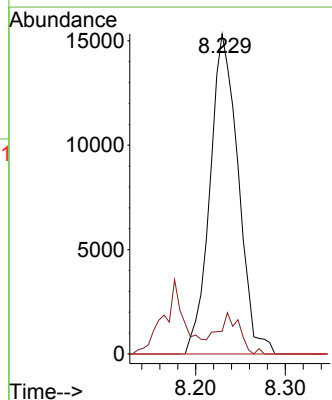
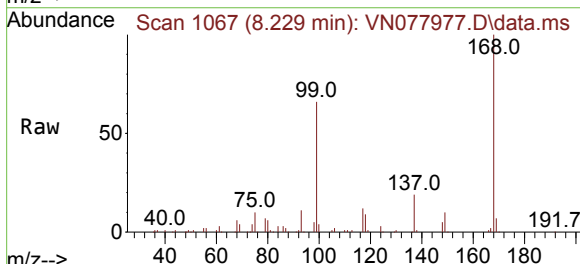
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

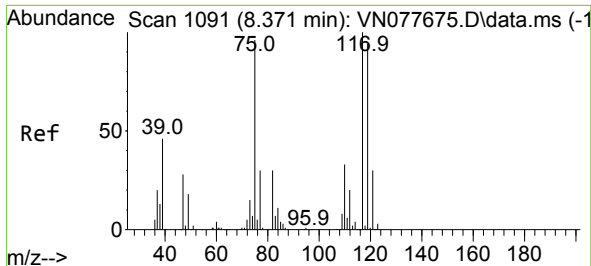
Tgt Ion:113 Resp: 224002
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 16.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 75 Resp: 33485
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.0 37.4#

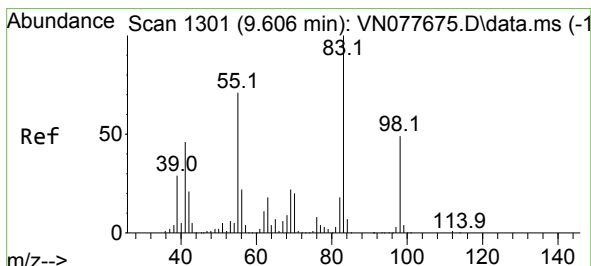
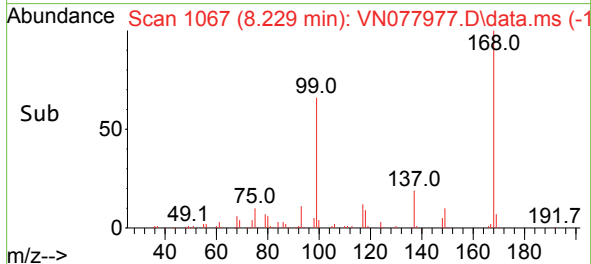
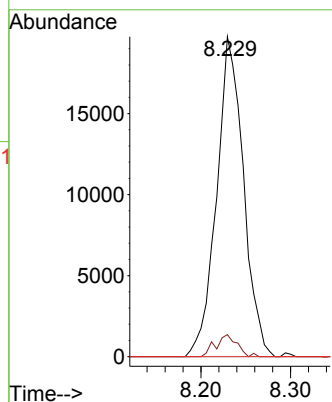
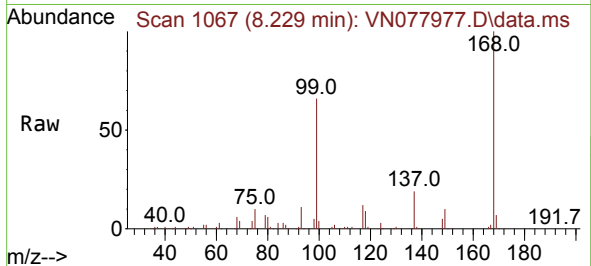




#38
Carbon Tetrachloride
Concen: 6.152 ug/l
RT: 8.229 min Scan# 117
Delta R.T. -0.142 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

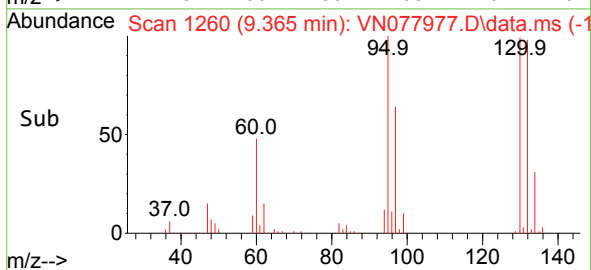
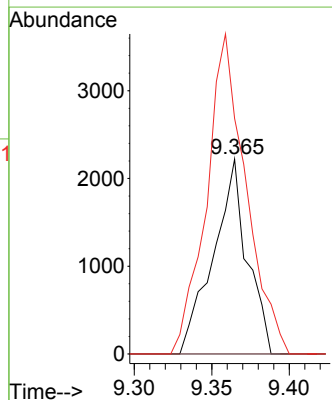
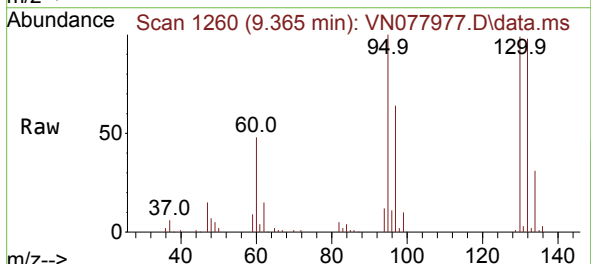
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

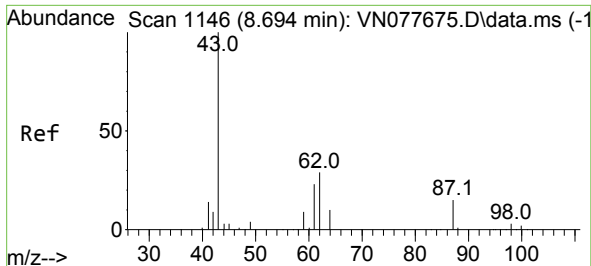
Tgt Ion:117 Resp: 41026
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.418 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. -0.241 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 83 Resp: 3378
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 110.9 40.6 61.0#

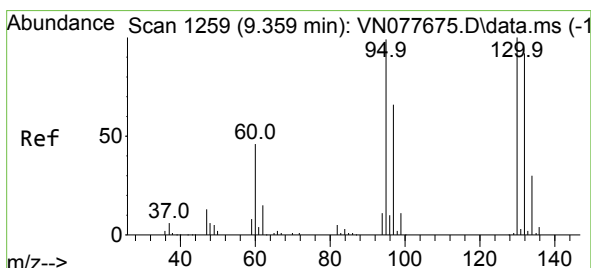
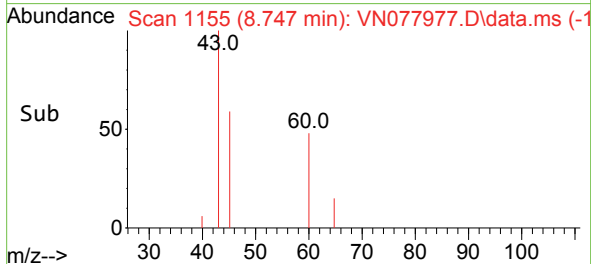
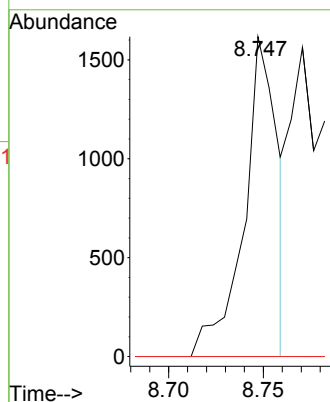
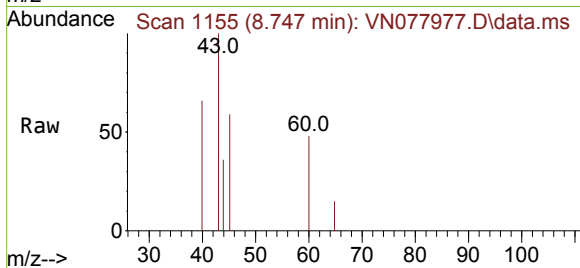




#43
Isopropyl Acetate
Concen: 0.207 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.053 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

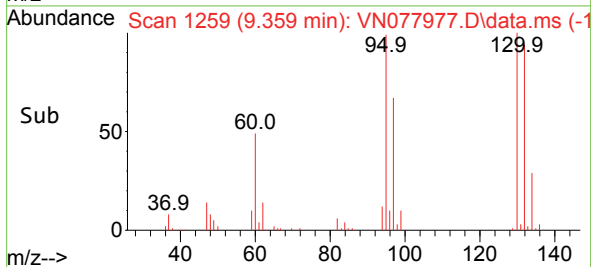
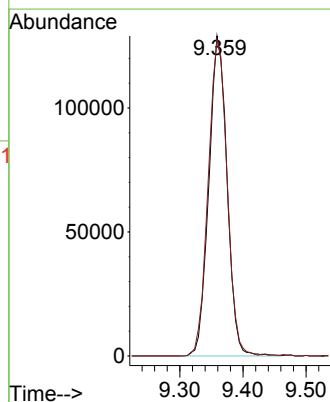
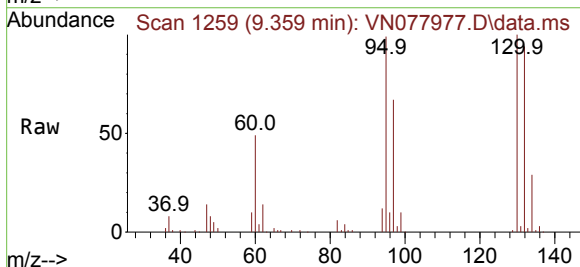
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

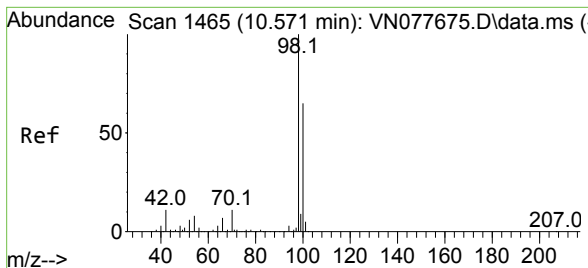
Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 52.434 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion:130 Resp: 258723
Ion Ratio Lower Upper
130 100
95 98.8 0.0 204.6

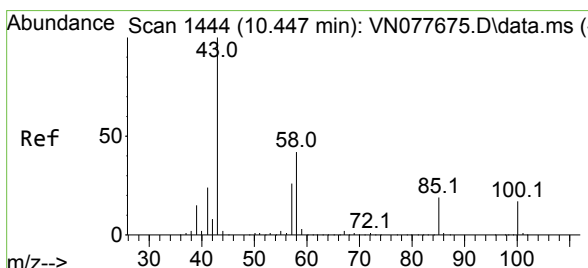
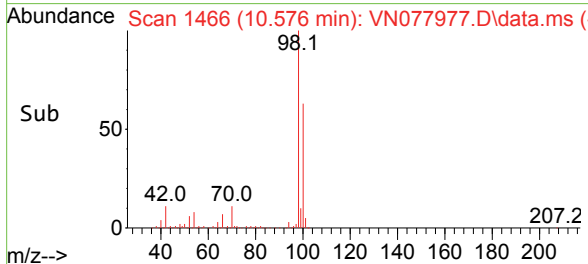
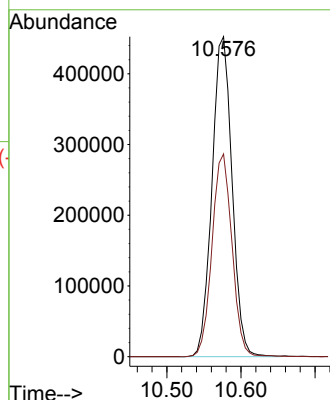
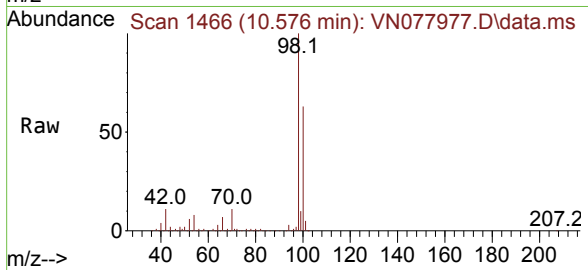




#50
Toluene-d8
Concen: 48.983 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

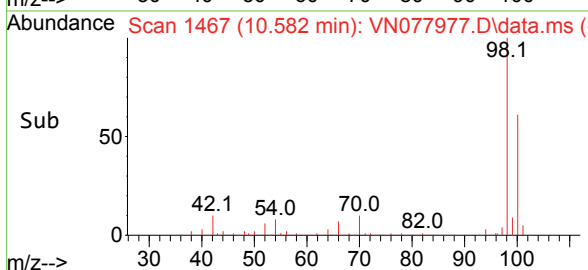
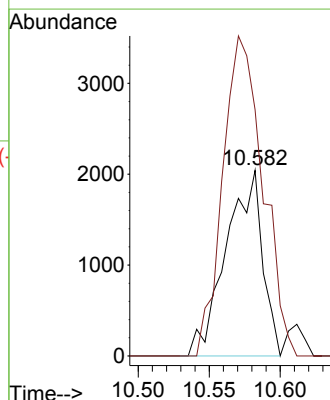
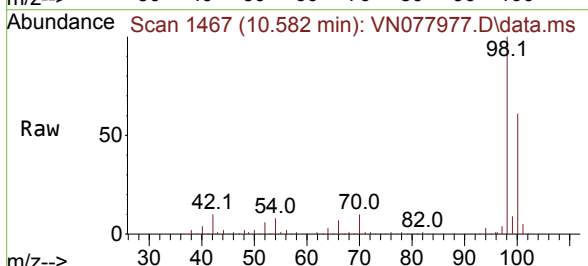
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

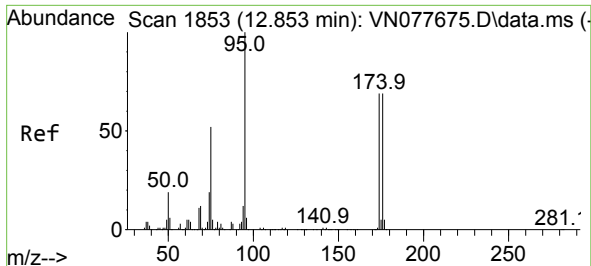
Tgt Ion: 98 Resp: 851208
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.634 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. 0.135 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 43 Resp: 3622
Ion Ratio Lower Upper
43 100
58 191.0 36.6 54.8#

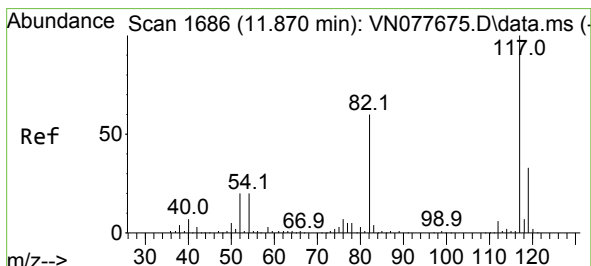
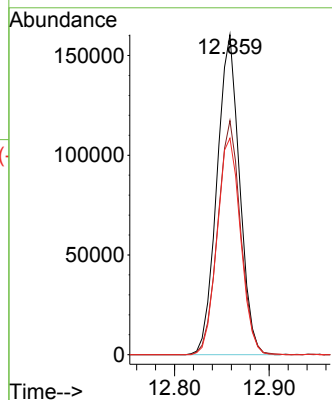
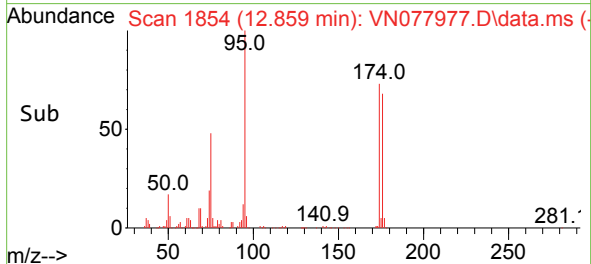
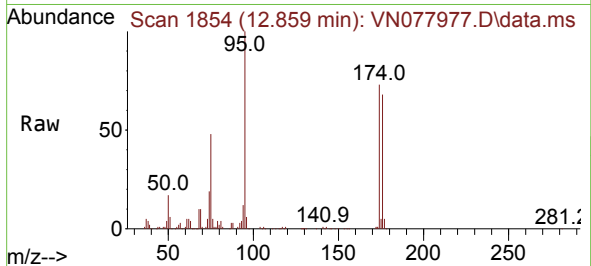




#62
4-Bromofluorobenzene
Concen: 43.414 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

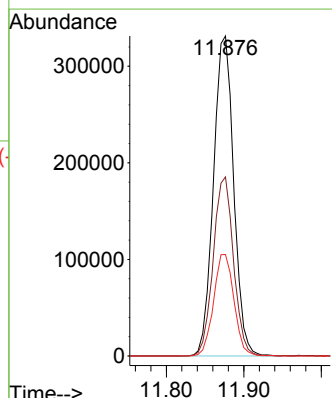
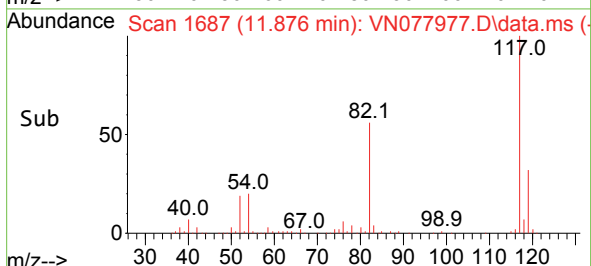
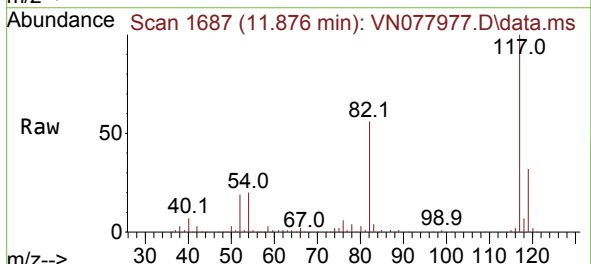
Instrument :
MSVOA_N
ClientSampleId :
MW04BR-20230523

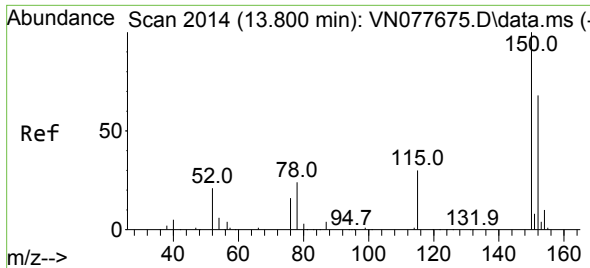
Tgt Ion: 95 Resp: 266452
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077977.D
Acq: 30 May 2023 18:15

Tgt Ion: 117 Resp: 600566
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 31.7 25.6 38.4

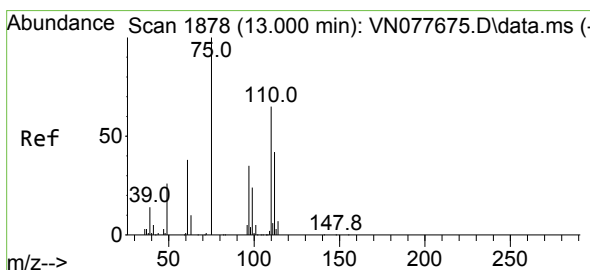
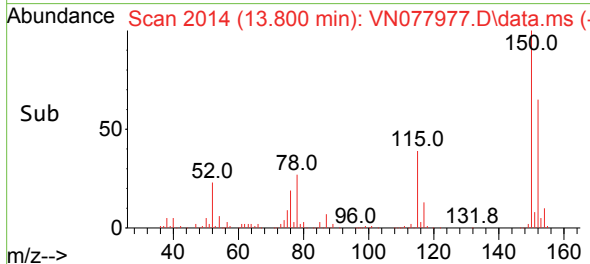
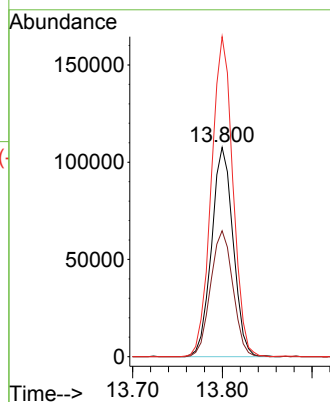
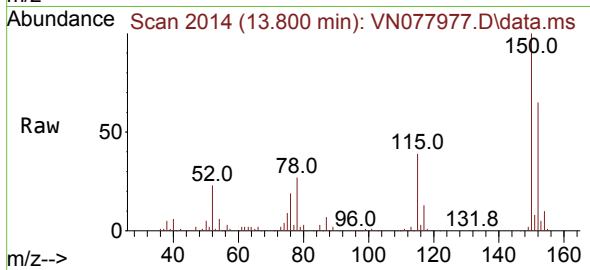




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077977.D
 Acq: 30 May 2023 18:15

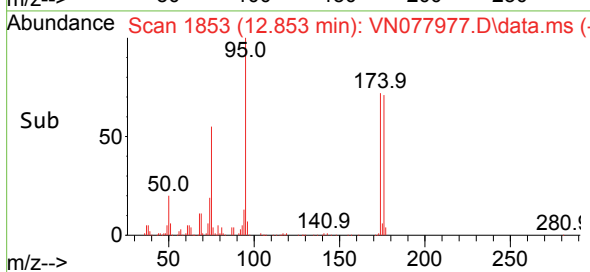
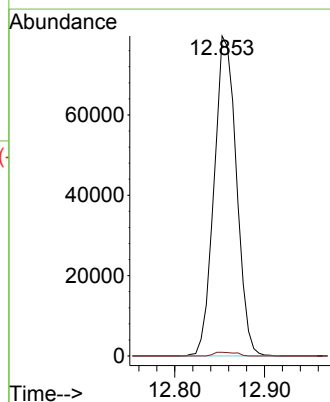
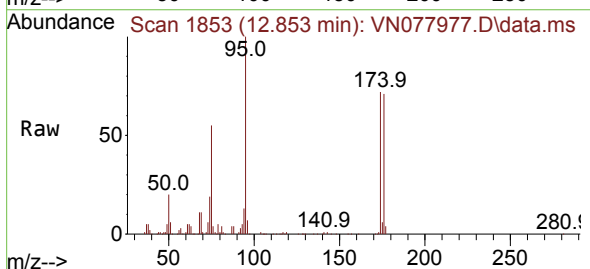
Instrument :
 MSVOA_N
 ClientSampleId :
 MW04BR-20230523

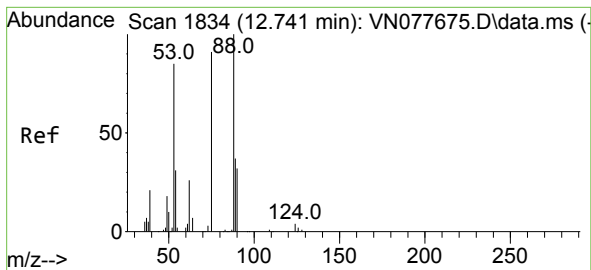
Tgt Ion:152 Resp: 179631
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.3 96.8
 150 152.8 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.634 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN077977.D
 Acq: 30 May 2023 18:15

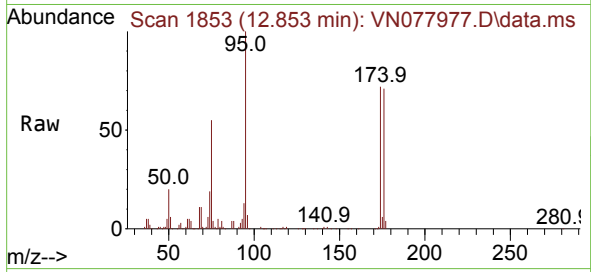
Tgt Ion: 75 Resp: 137810
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.922 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077977.D
 Acq: 30 May 2023 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW04BR-20230523



Tgt Ion: 75 Resp: 137810
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

