

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077158.D
 Acq On : 23 Mar 2023 18:43
 Operator : JC\MD
 Sample : 02048-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Mar 24 01:36:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

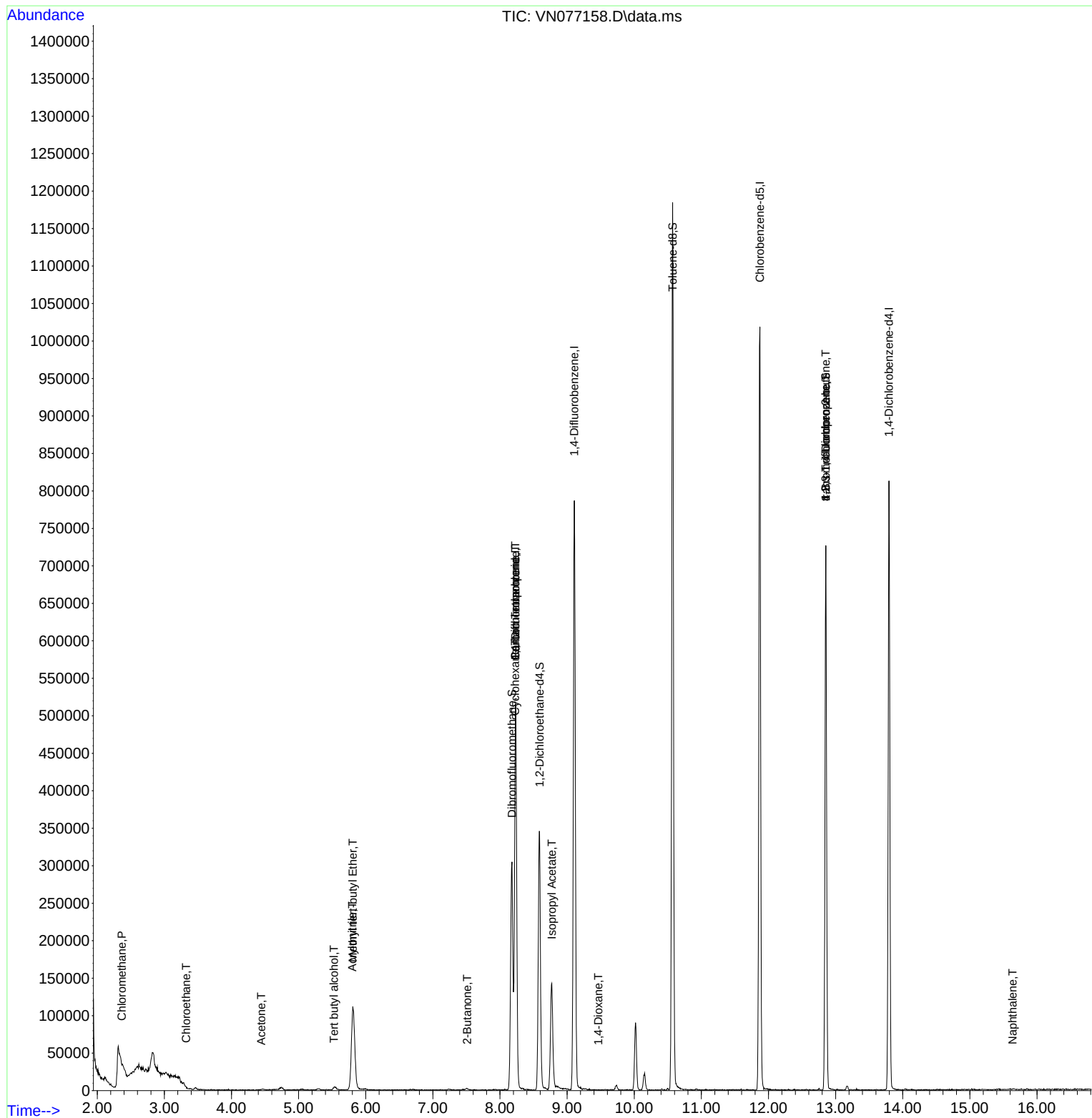
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	360975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	648146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	559164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	206769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	280365	48.624	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.240%	
35) Dibromofluoromethane	8.178	113	214469	47.250	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.500%	
50) Toluene-d8	10.572	98	788877	48.654	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.300%	
62) 4-Bromofluorobenzene	12.854	95	223003	38.922	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	77.840%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.343	85	295	Below Cal	#	42
3) Chloromethane	2.366	50	2338	0.643	ug/l	97
6) Chloroethane	3.325	64	661	0.266	ug/l #	42
11) Tert butyl alcohol	5.525	59	2746	3.268	ug/l #	72
15) Acrylonitrile	5.801	53	2830	1.002	ug/l #	36
16) Acetone	4.443	43	770	0.300	ug/l #	43
19) Methyl tert-butyl Ether	5.807	73	165166	10.501	ug/l	99
25) 2-Butanone	7.513	43	1301	0.346	ug/l #	49
31) Cyclohexane	8.225	56	10667	1.131	ug/l #	43
36) 1,1-Dichloropropene	8.231	75	34319	4.841	ug/l #	50
38) Carbon Tetrachloride	8.231	117	38119	5.520	ug/l #	15
43) Isopropyl Acetate	8.772	43	30912	2.609	ug/l #	61
49) 1,4-Dioxane	9.466	88	66	0.682	ug/l #	21
76) 1,2,3-Trichloropropane	12.854	75	130504	24.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	130504	67.165	ug/l #	10
95) Naphthalene	15.636	128	936	1.978	ug/l #	70

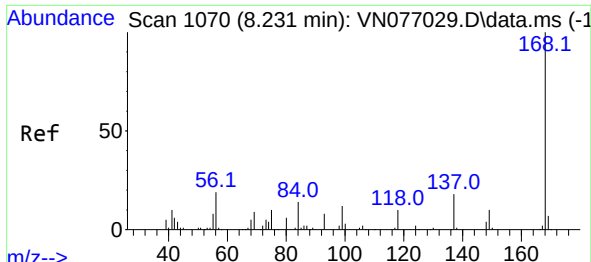
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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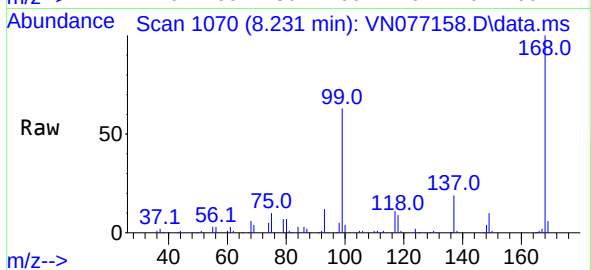
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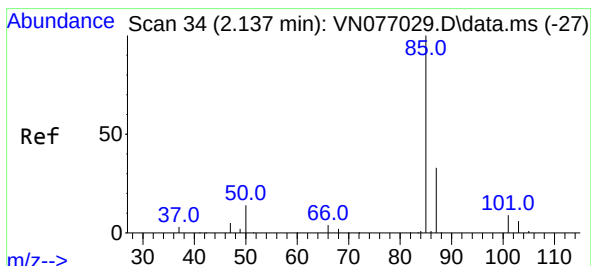
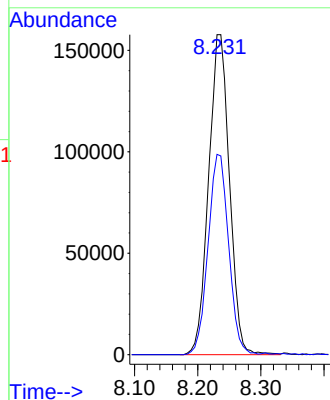
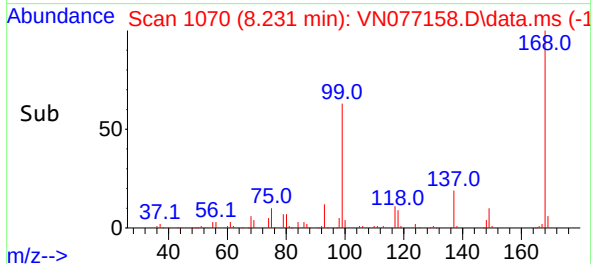


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Instrument :
MSVOA_N
ClientSampleId :
MW-6

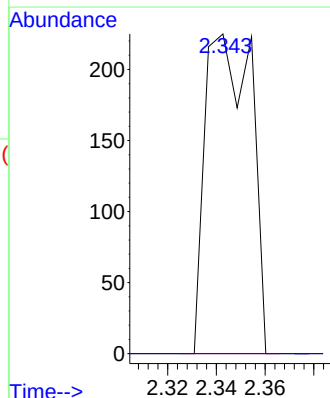
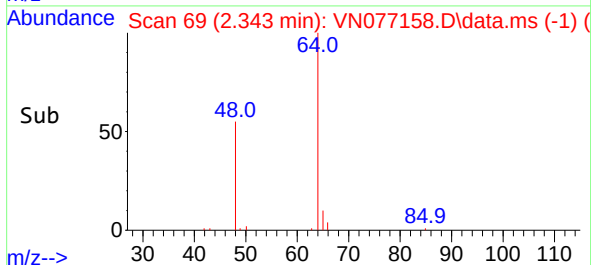
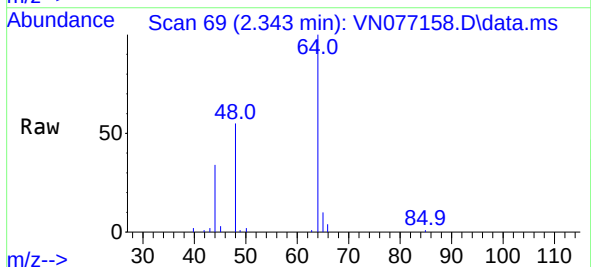


Tgt Ion:168 Resp: 360975
Ion Ratio Lower Upper
168 100
99 62.6 53.9 80.9

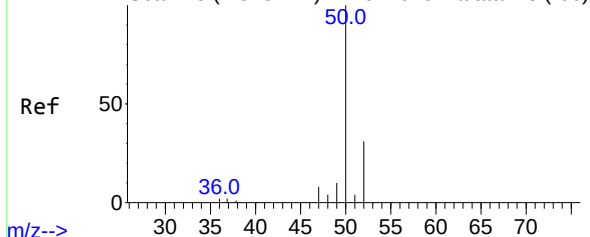


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.343 min Scan# 69
Delta R.T. 0.206 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 85 Resp: 295
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#



Abundance Scan 75 (2.378 min): VN077029.D\data.ms (-66)



#3

Chloromethane

Concen: 0.643 ug/l

RT: 2.366 min Scan# 71

Delta R.T. -0.012 min

Lab File: VN077158.D

Acq: 23 Mar 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

MW-6

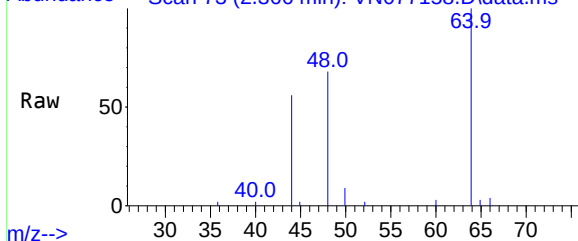
Tgt Ion: 50 Resp: 2338

Ion Ratio Lower Upper

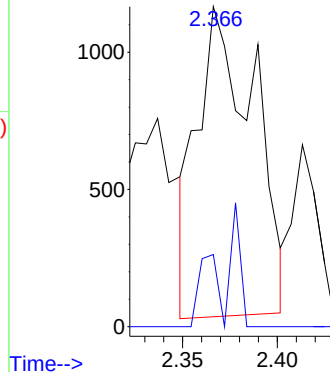
50 100

52 29.9 25.1 37.7

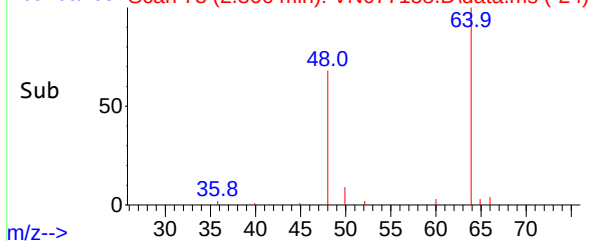
Abundance Scan 73 (2.366 min): VN077158.D\data.ms



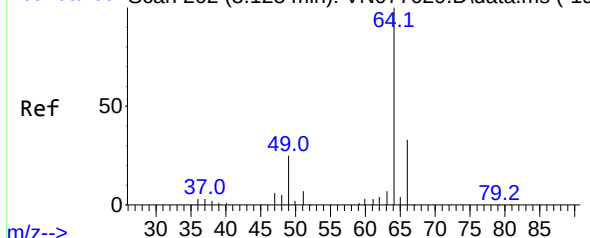
Abundance



Abundance Scan 73 (2.366 min): VN077158.D\data.ms (-24)



Abundance Scan 202 (3.125 min): VN077029.D\data.ms (-19)



#6

Chloroethane

Concen: 0.266 ug/l

RT: 3.325 min Scan# 236

Delta R.T. 0.200 min

Lab File: VN077158.D

Acq: 23 Mar 2023 18:43

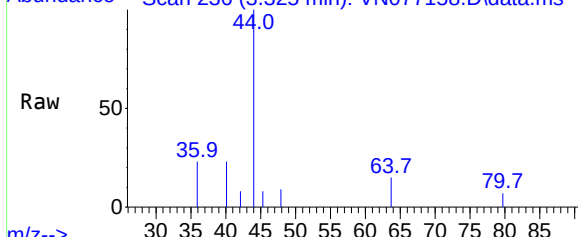
Tgt Ion: 64 Resp: 661

Ion Ratio Lower Upper

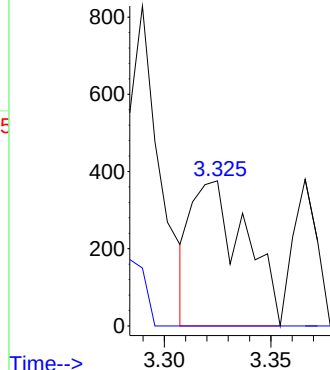
64 100

66 0.0 26.3 39.5#

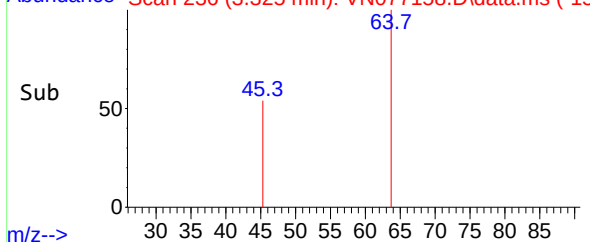
Abundance Scan 236 (3.325 min): VN077158.D\data.ms

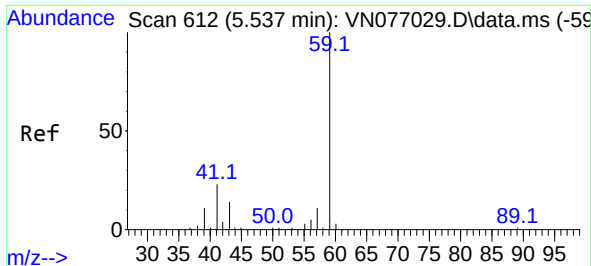


Abundance



Abundance Scan 236 (3.325 min): VN077158.D\data.ms (-15)





#11

Tert butyl alcohol

Concen: 3.268 ug/l

RT: 5.525 min Scan# 61

Delta R.T. -0.012 min

Lab File: VN077158.D

Acq: 23 Mar 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

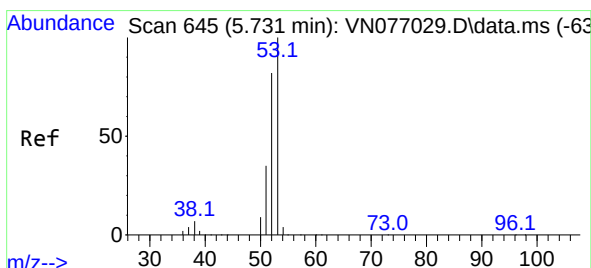
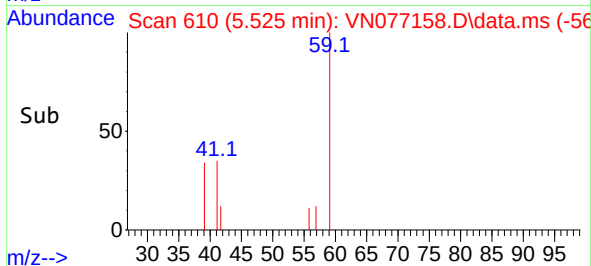
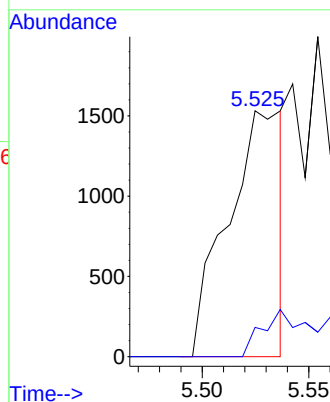
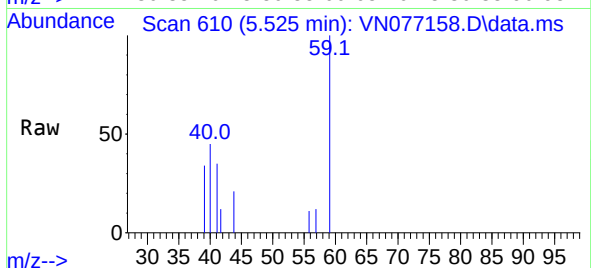
MW-6

Tgt Ion: 59 Resp: 2746

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#15

Acrylonitrile

Concen: 1.002 ug/l

RT: 5.801 min Scan# 657

Delta R.T. 0.070 min

Lab File: VN077158.D

Acq: 23 Mar 2023 18:43

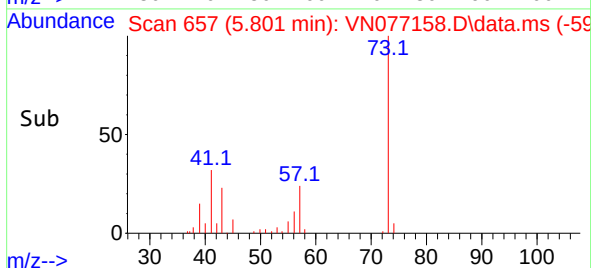
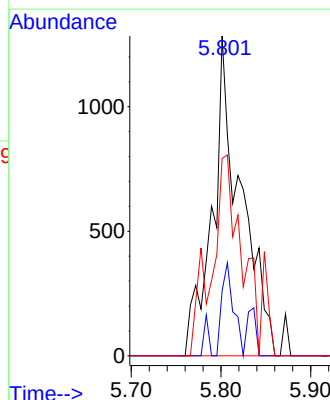
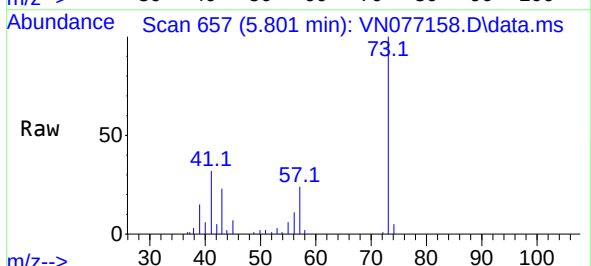
Tgt Ion: 53 Resp: 2830

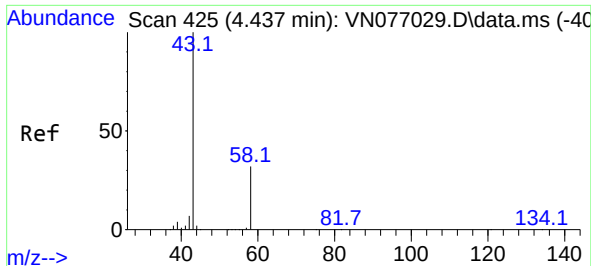
Ion Ratio Lower Upper

53 100

52 12.1 64.6 97.0#

51 55.0 28.3 42.5#

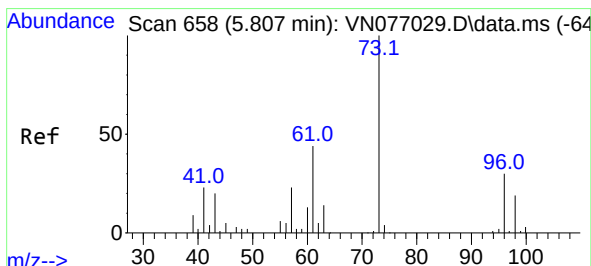
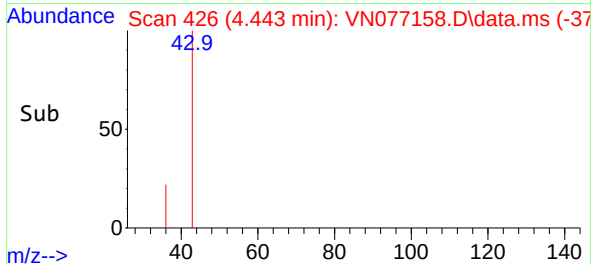
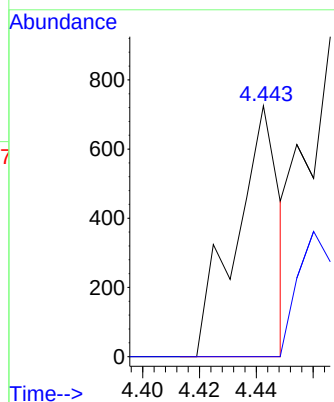
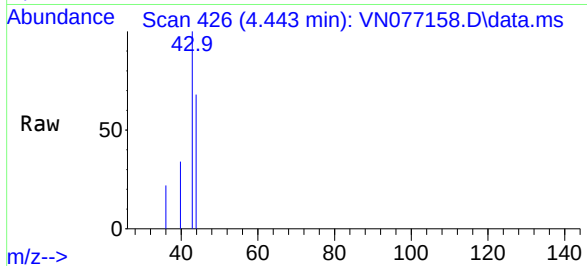




#16
Acetone
Concen: 0.300 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

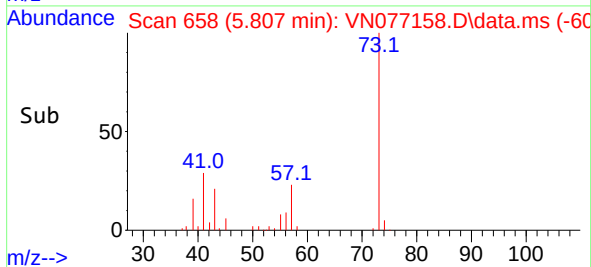
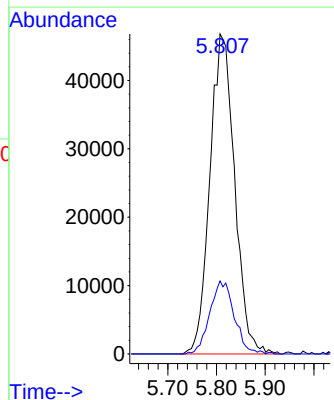
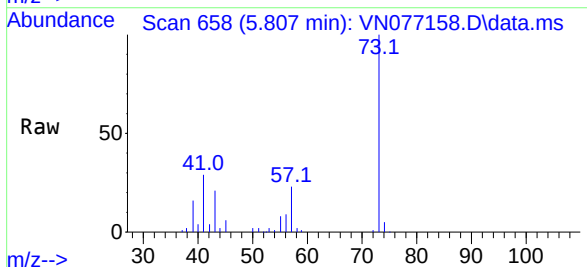
Instrument :
MSVOA_N
ClientSampleId :
MW-6

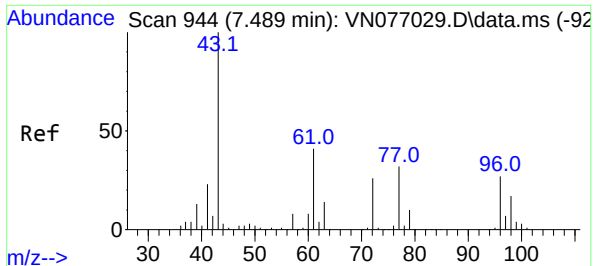
Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#19
Methyl tert-butyl Ether
Concen: 10.501 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 73 Resp: 165166
Ion Ratio Lower Upper
73 100
57 22.8 18.7 28.1

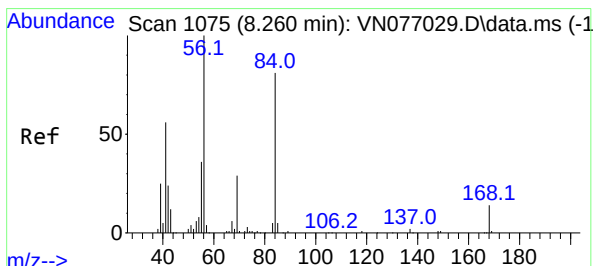
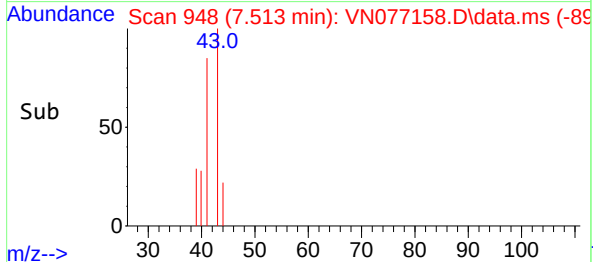
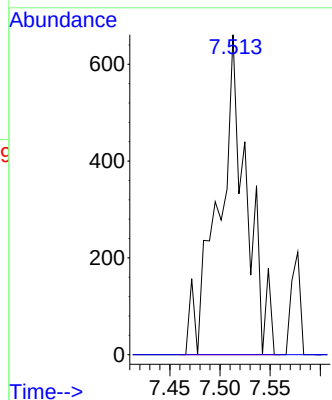
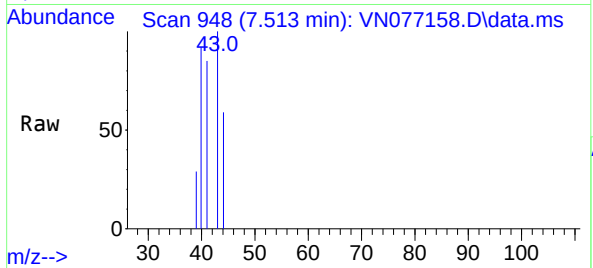




#25
2-Butanone
Concen: 0.346 ug/l
RT: 7.513 min Scan# 94
Delta R.T. 0.024 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

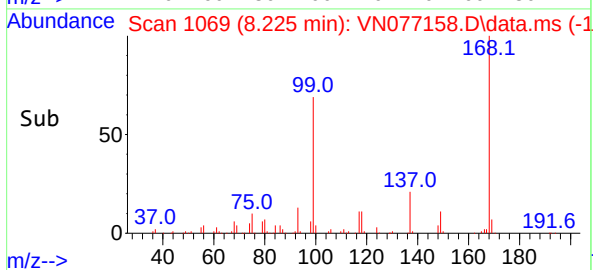
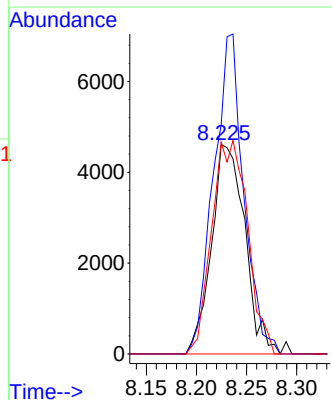
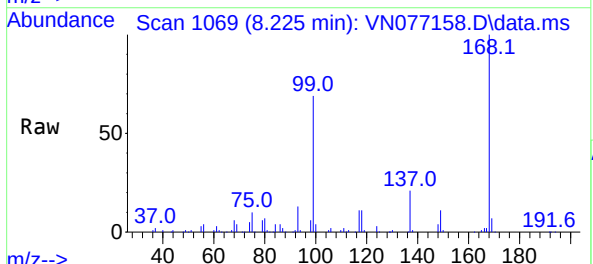
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ClientSampleId :
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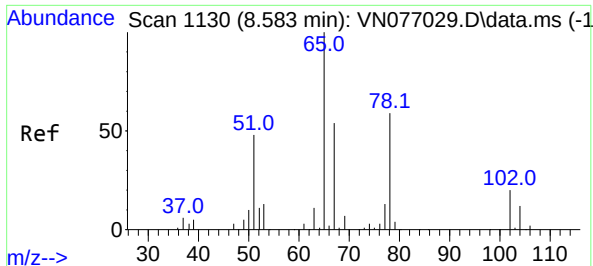
Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 56 Resp: 10667
Ion Ratio Lower Upper
56 100
69 109.3 22.8 34.2#
84 101.2 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 48.624 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN077158.D

Acq: 23 Mar 2023 18:43

Instrument :

MSVOA_N

ClientSampleId :

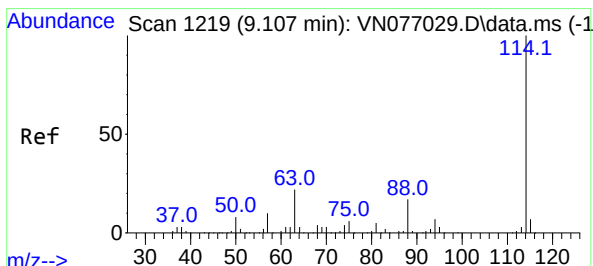
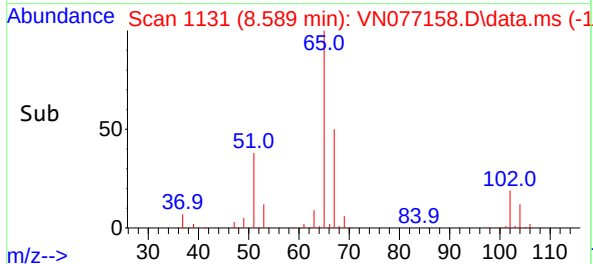
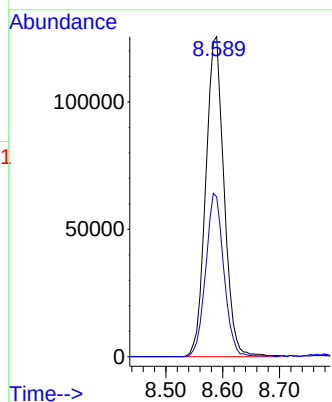
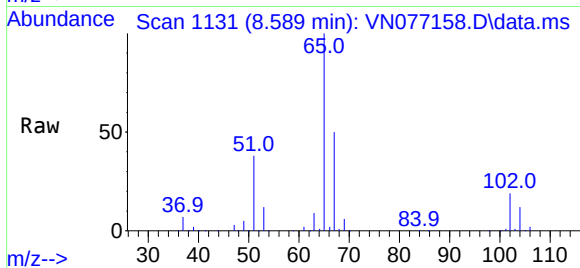
MW-6

Tgt Ion: 65 Resp: 280365

Ion Ratio Lower Upper

65 100

67 50.5 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077158.D

Acq: 23 Mar 2023 18:43

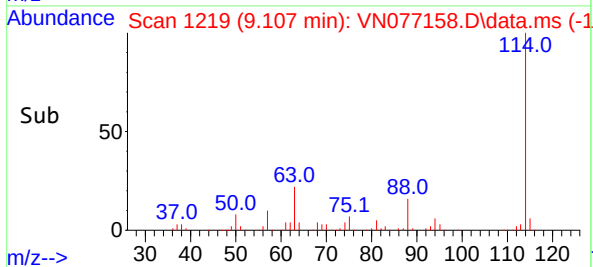
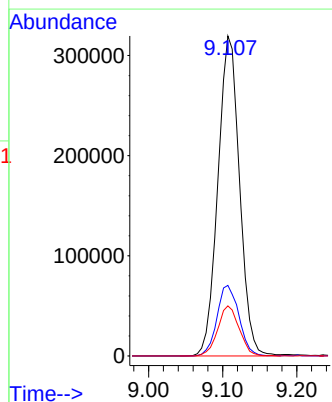
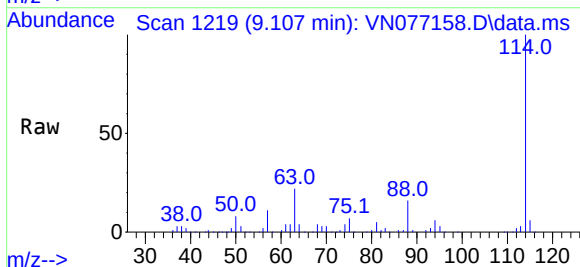
Tgt Ion: 114 Resp: 648146

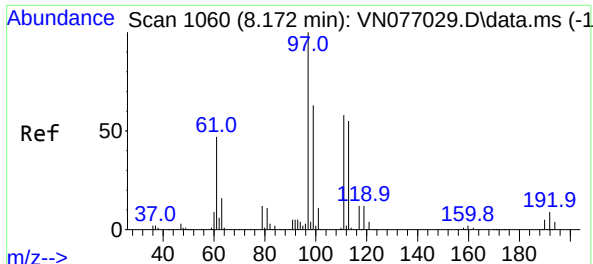
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 15.6 0.0 33.8

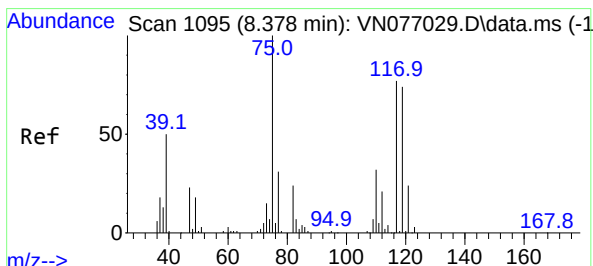
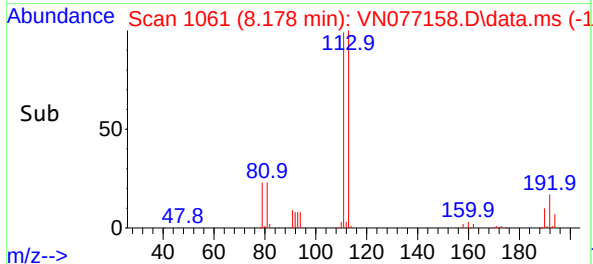
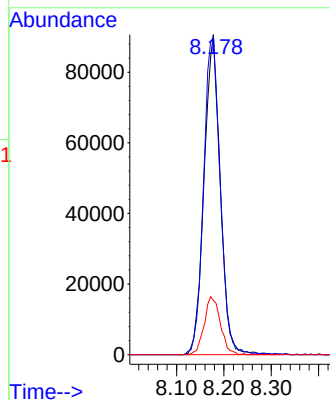
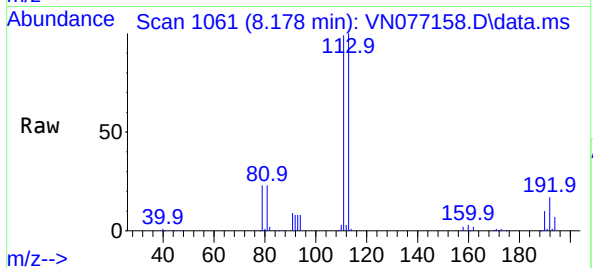




#35
Dibromofluoromethane
Concen: 47.250 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

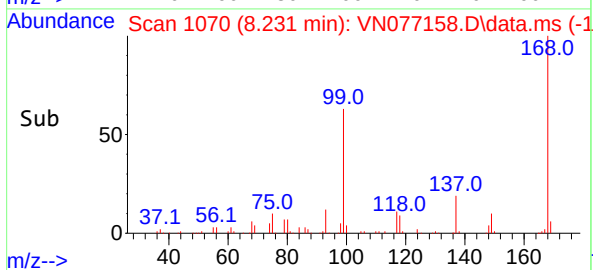
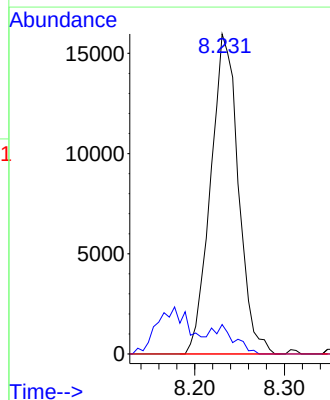
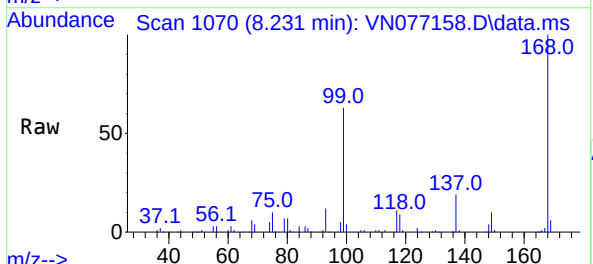
Instrument :
MSVOA_N
ClientSampleId :
MW-6

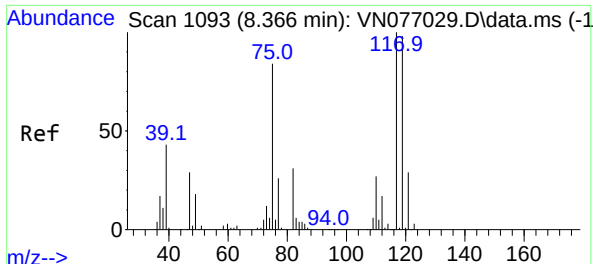
Tgt Ion:113 Resp: 214469
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 18.1 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.841 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 75 Resp: 34319
Ion Ratio Lower Upper
75 100
110 7.3 15.9 47.7#
77 0.0 24.3 36.5#

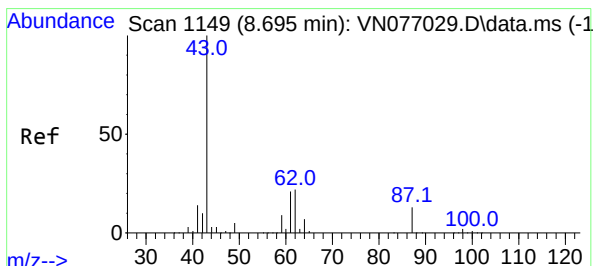
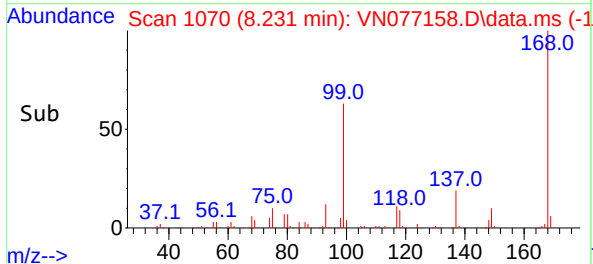
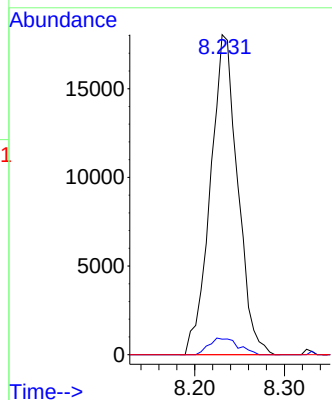
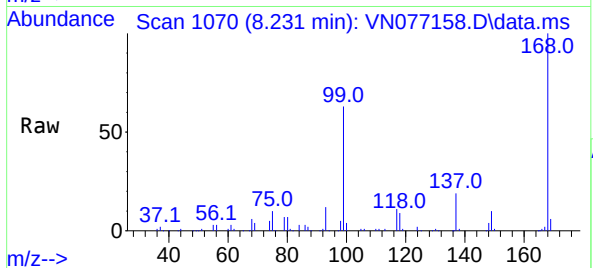




#38
Carbon Tetrachloride
Concen: 5.520 ug/l
RT: 8.231 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

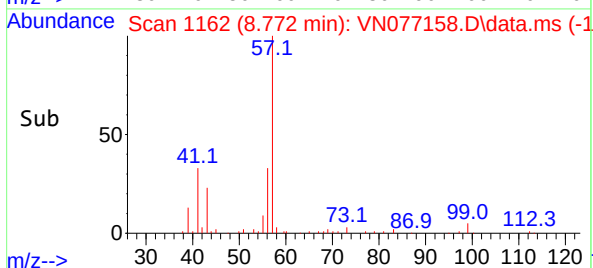
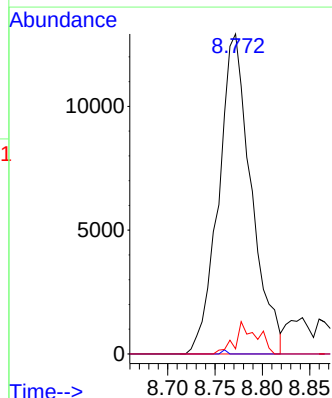
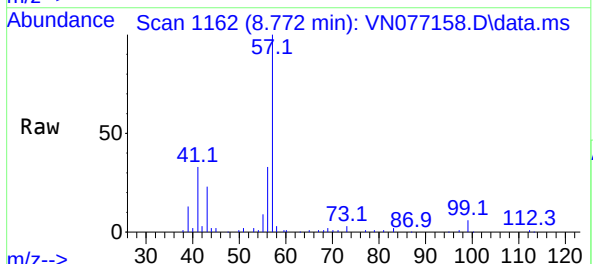
Instrument :
MSVOA_N
ClientSampleId :
MW-6

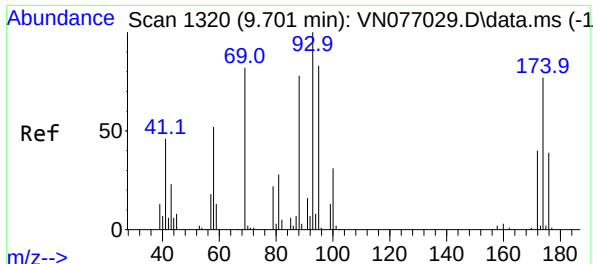
Tgt Ion:117 Resp: 38119
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 23.2 34.8#



#43
Isopropyl Acetate
Concen: 2.609 ug/l
RT: 8.772 min Scan# 1162
Delta R.T. 0.076 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 43 Resp: 30912
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 6.7 10.0 15.0#

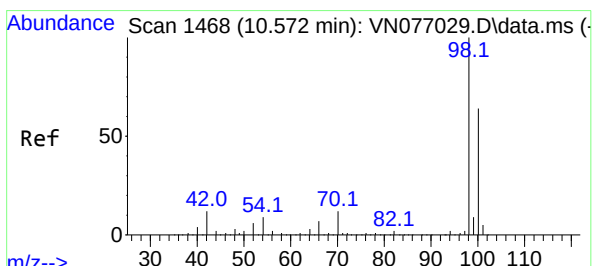
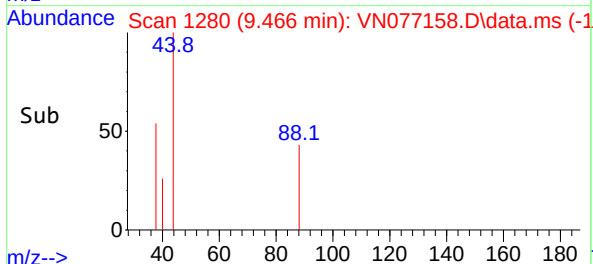
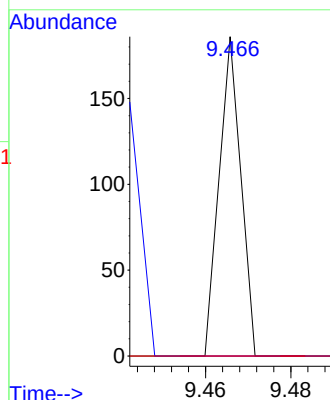
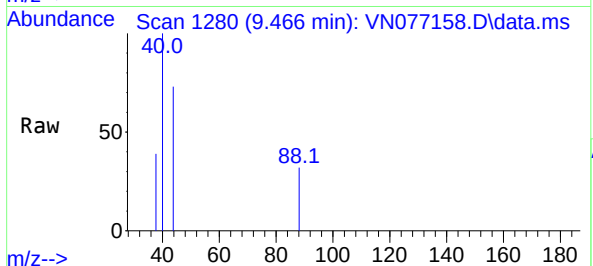




#49
1,4-Dioxane
Concen: 0.682 ug/l
RT: 9.466 min Scan# 11
Delta R.T. -0.235 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

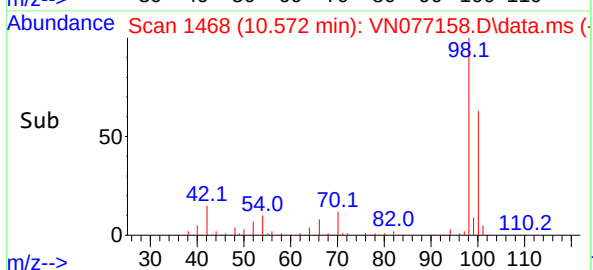
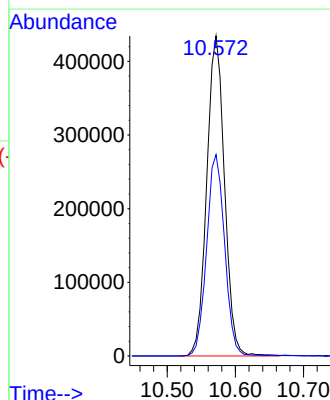
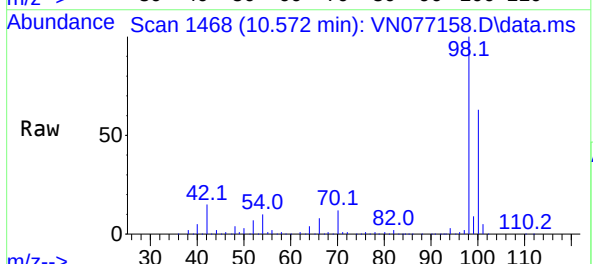
Instrument :
MSVOA_N
ClientSampleId :
MW-6

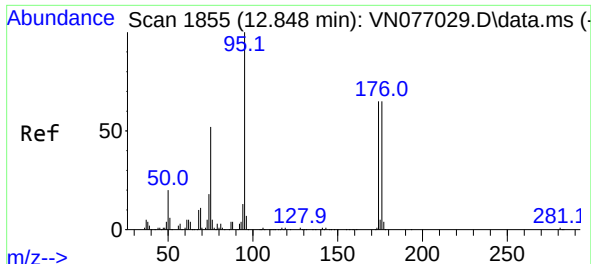
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 60.8 91.2#



#50
Toluene-d8
Concen: 48.654 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 98 Resp: 788877
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

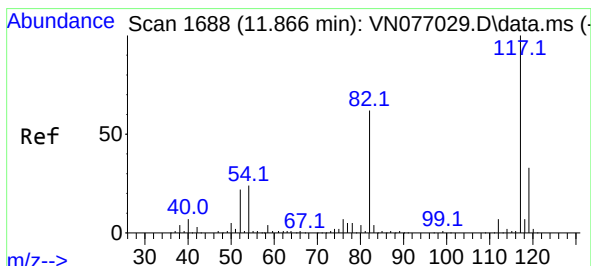
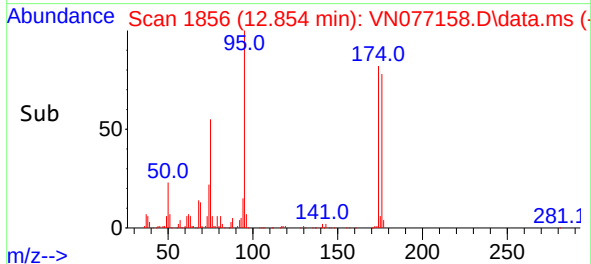
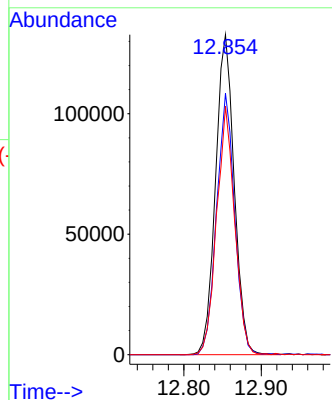
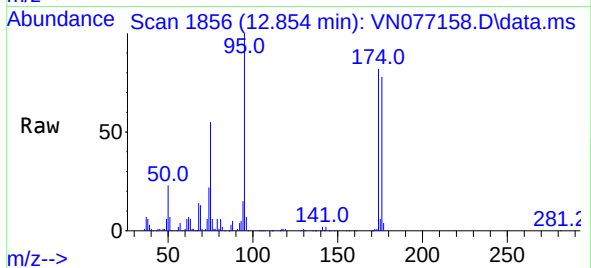




#62
4-Bromofluorobenzene
Concen: 38.922 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

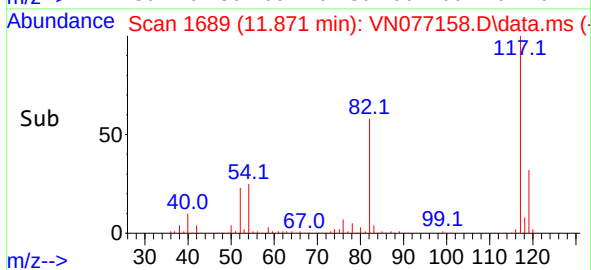
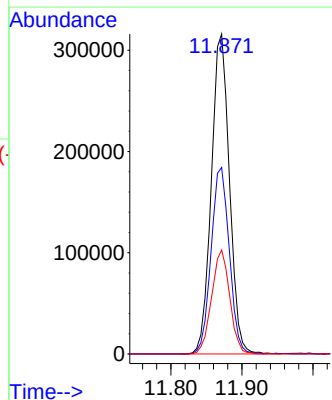
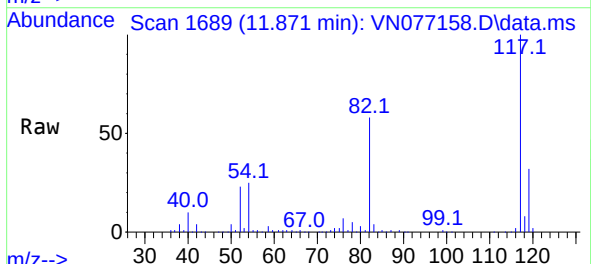
Instrument :
MSVOA_N
ClientSampleId :
MW-6

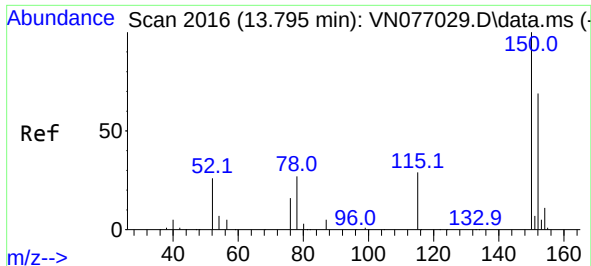
Tgt Ion: 95 Resp: 223003
Ion Ratio Lower Upper
95 100
174 79.1 0.0 136.6
176 74.9 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 117 Resp: 559164
Ion Ratio Lower Upper
117 100
82 58.3 49.4 74.0
119 32.5 26.5 39.7

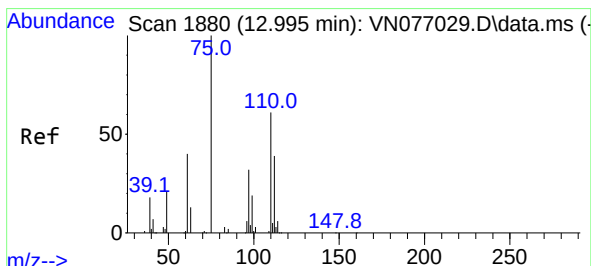
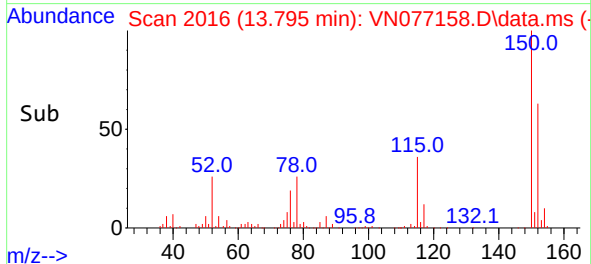
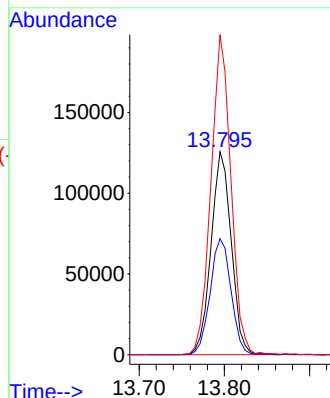
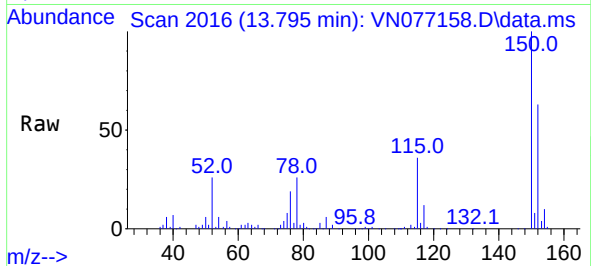




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN077158.D
 Acq: 23 Mar 2023 18:43

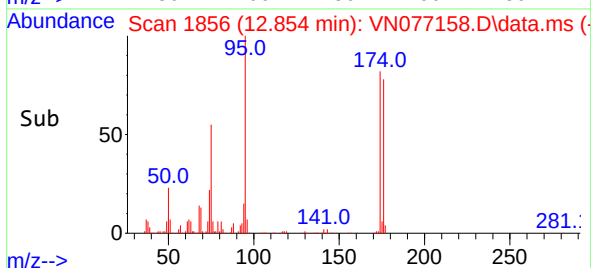
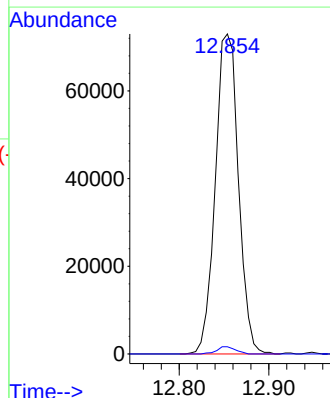
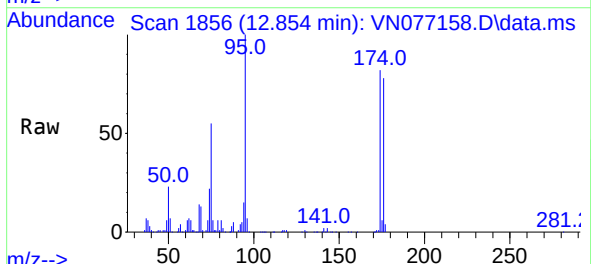
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

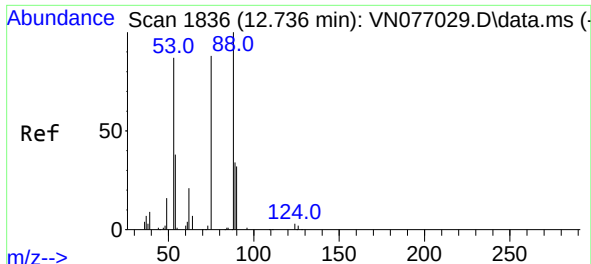
Tgt Ion:152 Resp: 206769
 Ion Ratio Lower Upper
 152 100
 115 59.2 31.9 95.7
 150 156.3 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 24.401 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077158.D
 Acq: 23 Mar 2023 18:43

Tgt Ion: 75 Resp: 130504
 Ion Ratio Lower Upper
 75 100
 77 1.9 107.3 322.0#

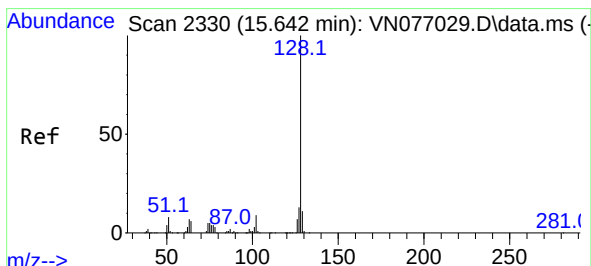
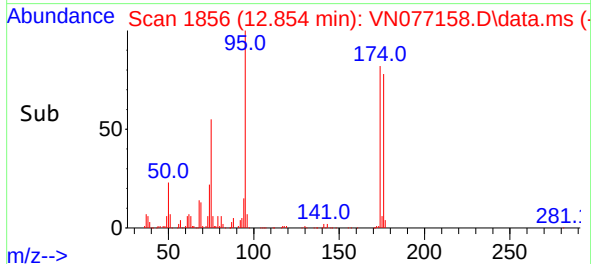
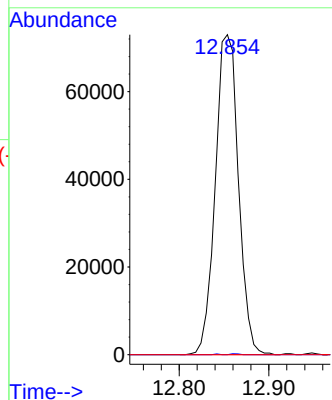
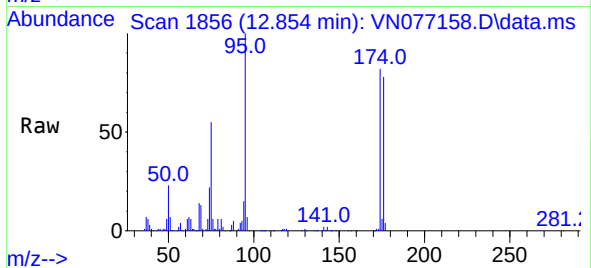




#81
trans-1,4-Dichloro-2-butene
Concen: 67.165 ug/l
RT: 12.854 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Tgt Ion: 75 Resp: 130504
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.978 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN077158.D
Acq: 23 Mar 2023 18:43

Tgt Ion: 128 Resp: 936
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

