

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110823\
 Data File : VX038647.D
 Acq On : 08 Nov 2023 11:49
 Operator : JC/MD
 Sample : 05280-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1-GW

Quant Time: Nov 09 01:18:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

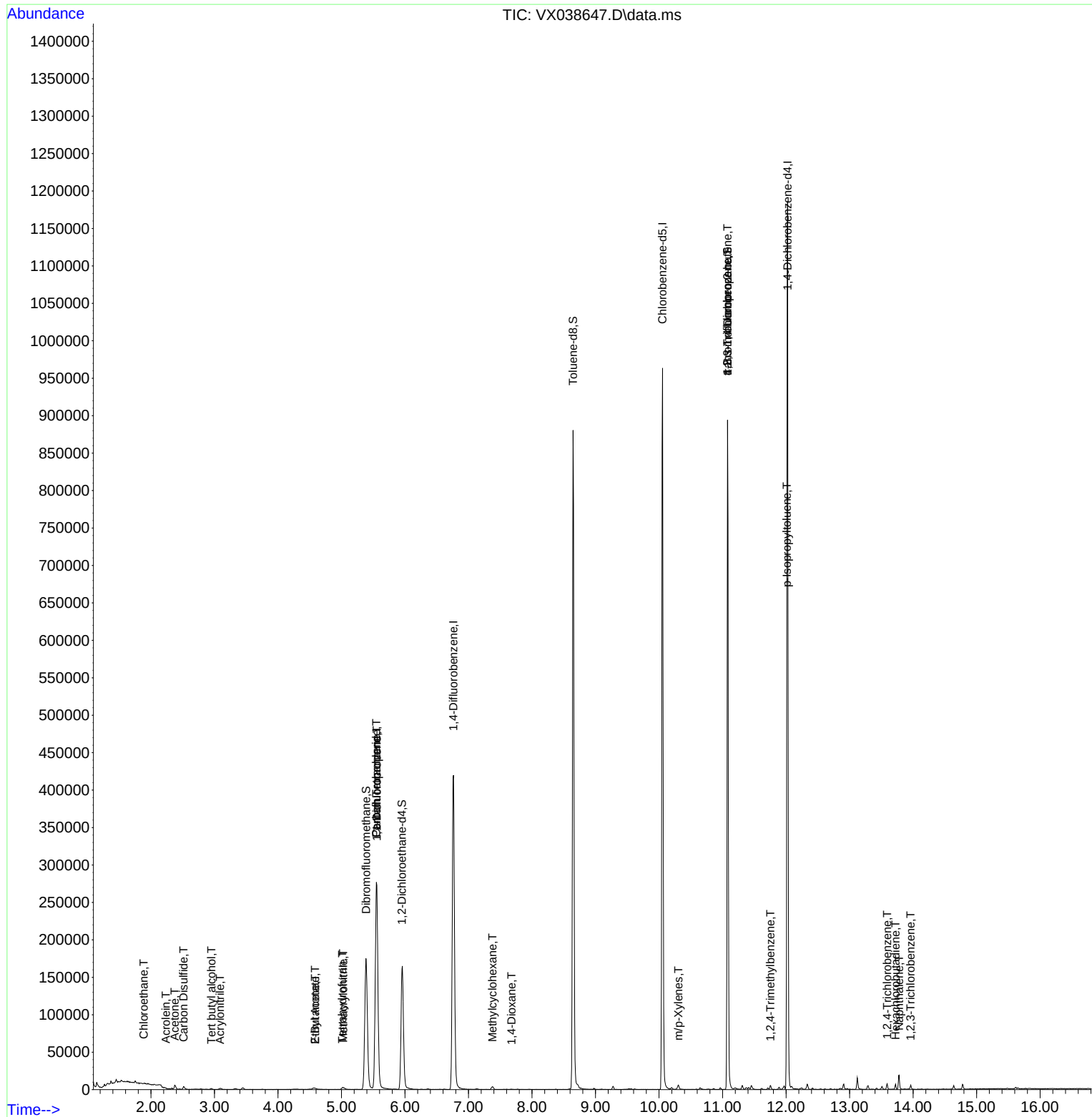
Internal Standards						
1) Pentafluorobenzene	5.550	168	286820	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	469143	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	269737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163375	45.753	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.500%		
35) Dibromofluoromethane	5.385	113	153599	45.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.920%		
50) Toluene-d8	8.647	98	551600	45.620	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.240%#		
62) 4-Bromofluorobenzene	11.079	95	232074	49.505	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.020%		
Target Compounds						
						Qvalue
6) Chloroethane	1.886	64	480	0.277	ug/l	# 67
11) Tert butyl alcohol	2.953	59	876	1.200	ug/l	# 78
13) Acrolein	2.233	56	208	0.376	ug/l	# 1
15) Acrylonitrile	3.087	53	484	0.314	ug/l	# 77
16) Acetone	2.373	43	5512	3.665	ug/l	# 89
17) Carbon Disulfide	2.514	76	3682	0.518	ug/l	# 93
25) 2-Butanone	4.586	43	1647	0.756	ug/l	# 51
29) Tetrahydrofuran	5.013	42	2658	1.961	ug/l	# 88
36) 1,1-Dichloropropene	5.556	75	19301	4.598	ug/l	# 51
37) Ethyl Acetate	4.586	43	1647	0.384	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	27354	5.830	ug/l	# 15
39) Methylcyclohexane	7.379	83	1726	0.329	ug/l	89
41) Methacrylonitrile	5.025	41	1527	0.699	ug/l	# 43
49) 1,4-Dioxane	7.677	88	134	1.854	ug/l	# 100
68) m/p-Xylenes	10.305	106	1347	0.207	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	114030	21.345	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	114030	64.764	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2873	0.203	ug/l	93
86) p-Isopropyltoluene	12.012	119	5129	0.334	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	2131	0.351	ug/l	98
94) Hexachlorobutadiene	13.725	225	994	0.380	ug/l	97
95) Naphthalene	13.780	128	14072	0.769	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1677	0.281	ug/l	92

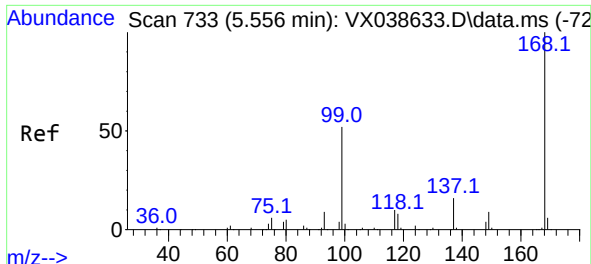
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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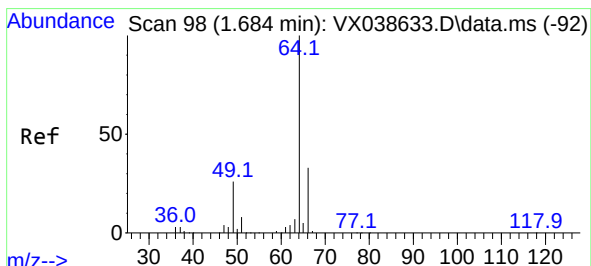
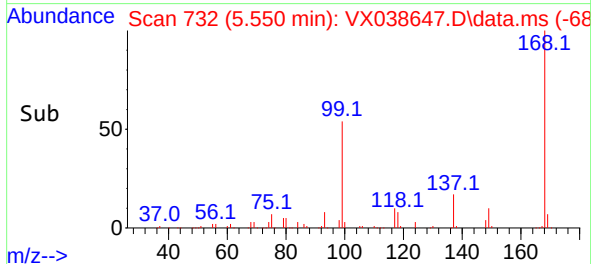
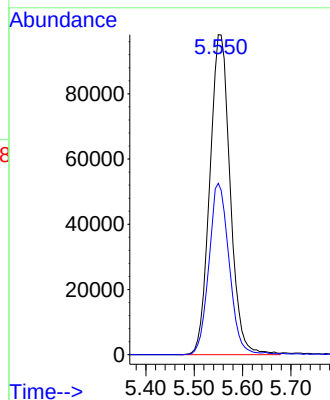
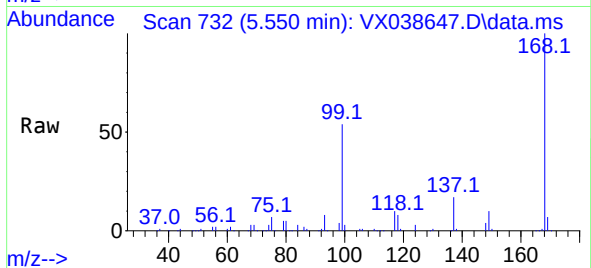




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

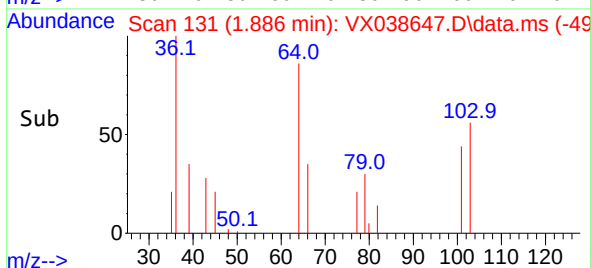
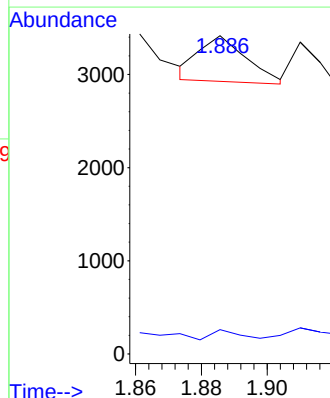
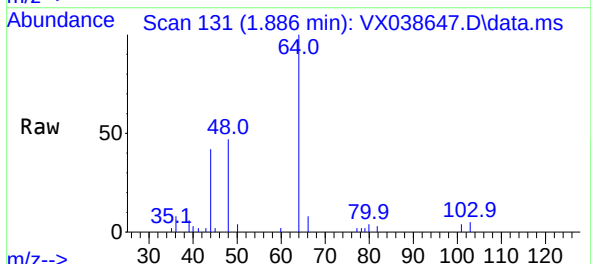
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

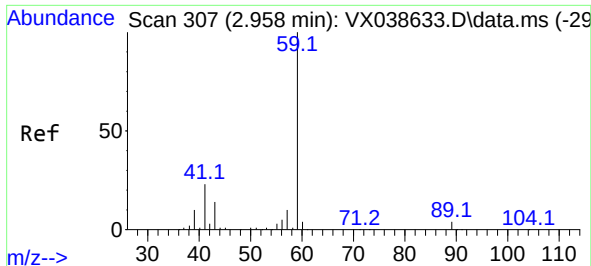
Tgt Ion:168 Resp: 286820
Ion Ratio Lower Upper
168 100
99 53.6 56.6 85.0#



#6
Chloroethane
Concen: 0.277 ug/l
RT: 1.886 min Scan# 131
Delta R.T. 0.201 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 64 Resp: 480
Ion Ratio Lower Upper
64 100
66 13.1 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.200 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038647.D

Acq: 08 Nov 2023 11:49

Instrument :

MSVOA_X

ClientSampleId :

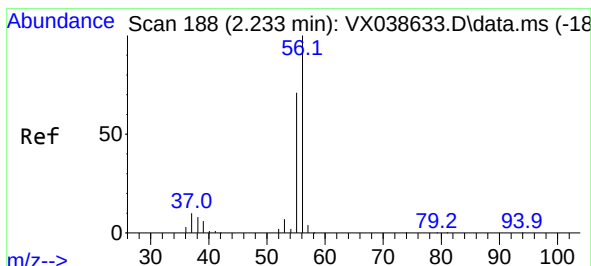
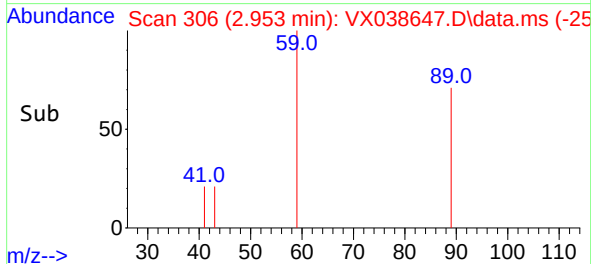
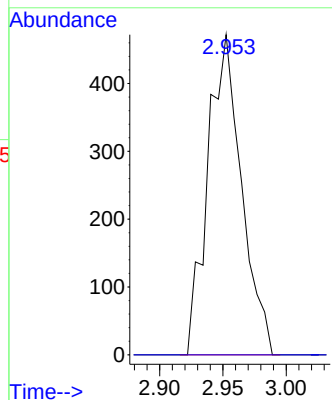
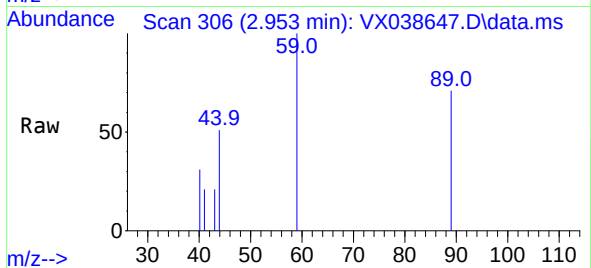
MH-1-GW

Tgt Ion: 59 Resp: 876

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.376 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX038647.D

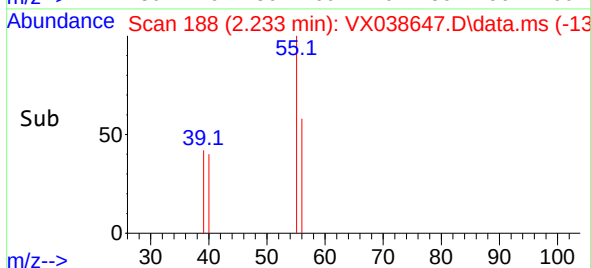
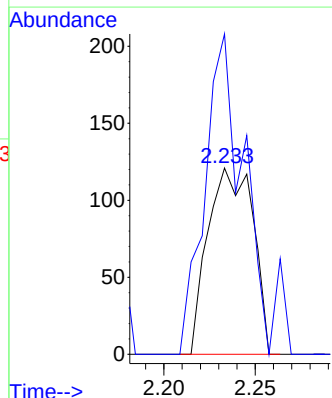
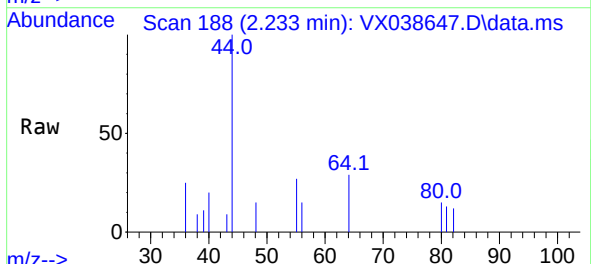
Acq: 08 Nov 2023 11:49

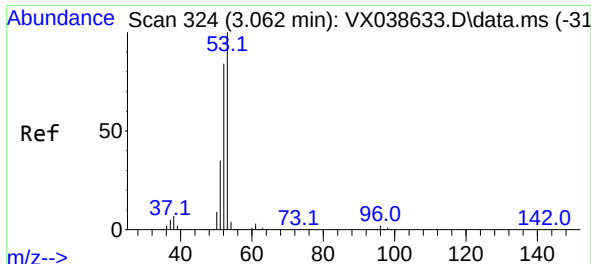
Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 156.7 57.1 85.7#

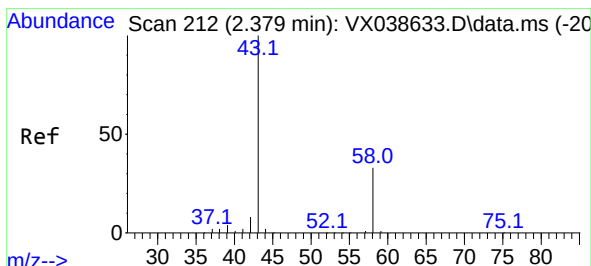
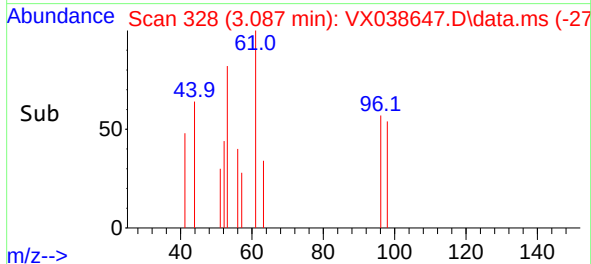
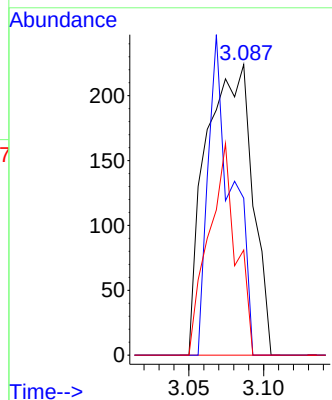
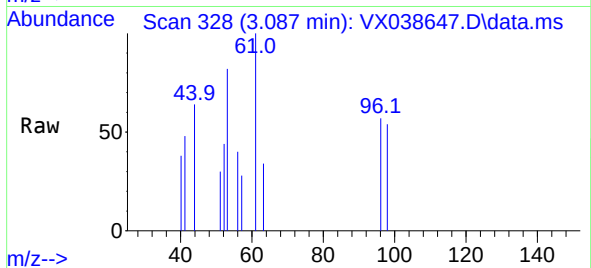




#15
Acrylonitrile
Concen: 0.314 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.025 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

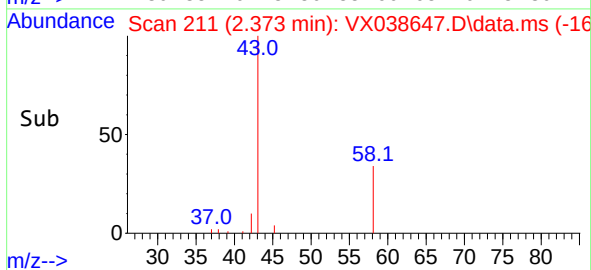
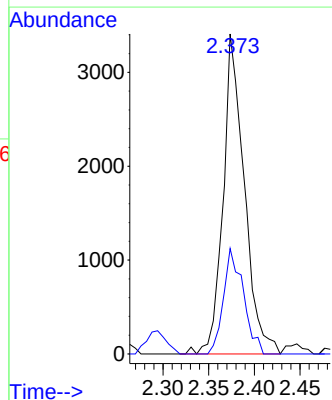
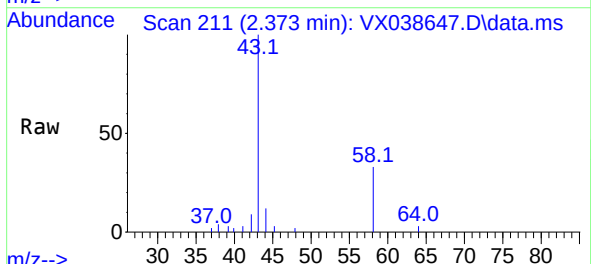
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

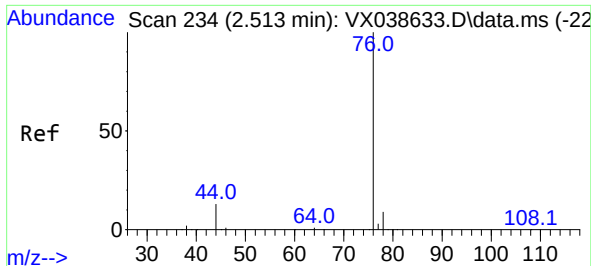
Tgt Ion: 53 Resp: 484
Ion Ratio Lower Upper
53 100
52 57.2 66.0 99.0#
51 43.4 29.8 44.6



#16
Acetone
Concen: 3.665 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 43 Resp: 5512
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9#

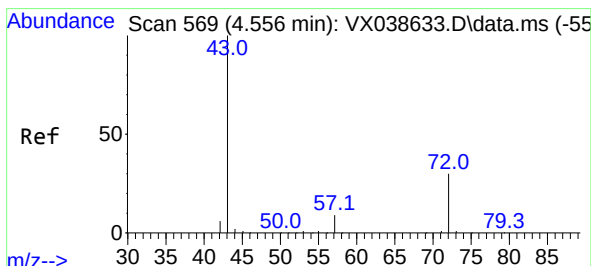
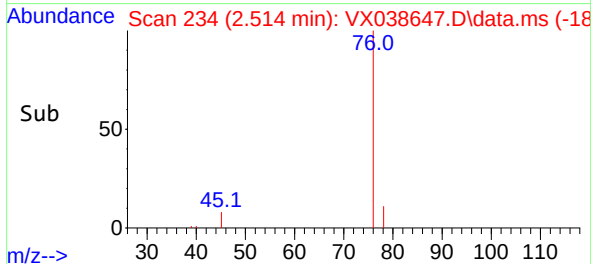
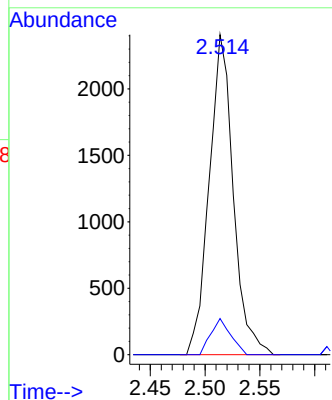
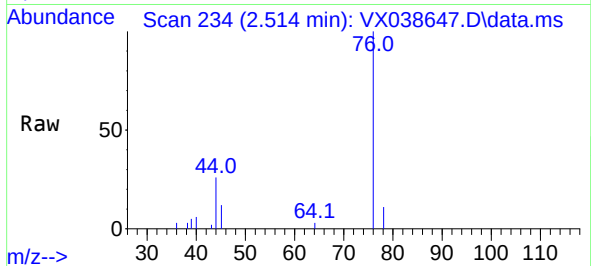




#17
Carbon Disulfide
Concen: 0.518 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

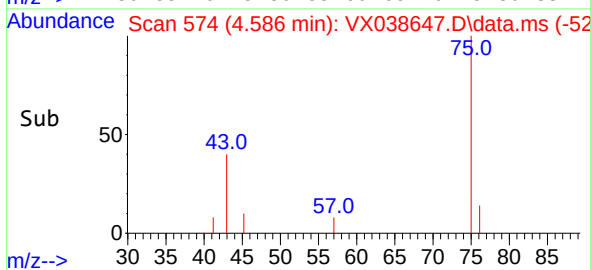
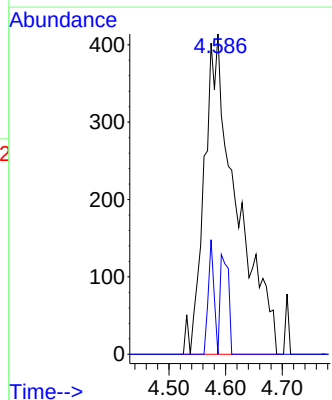
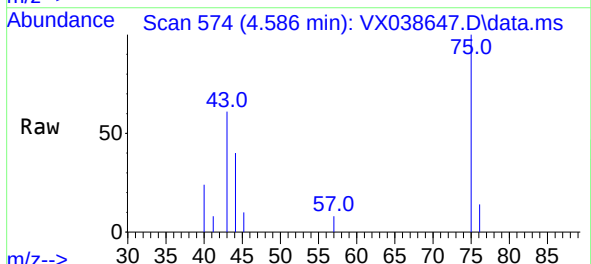
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

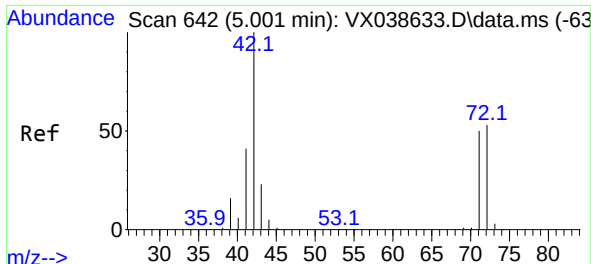
Tgt Ion: 76 Resp: 3682
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.6#



#25
2-Butanone
Concen: 0.756 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

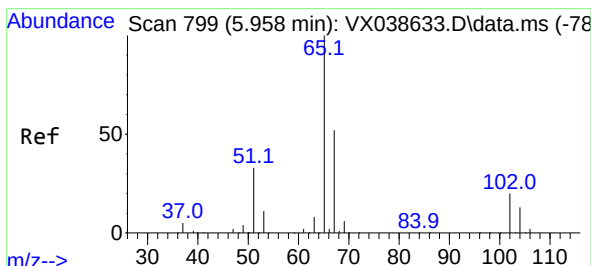
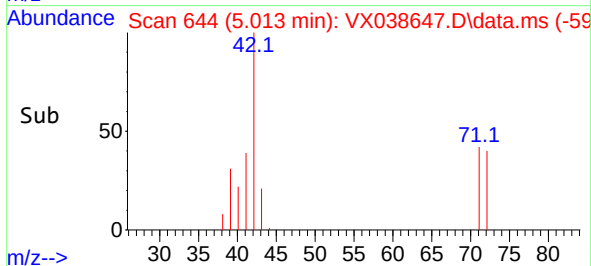
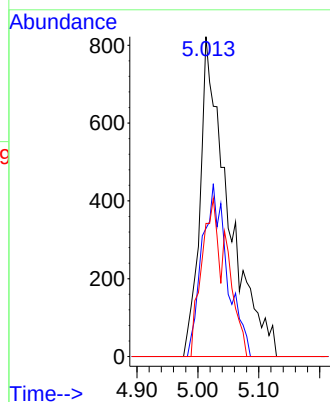
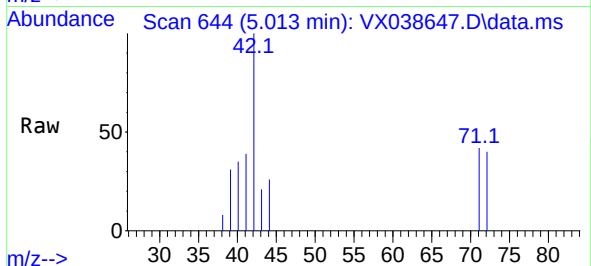




#29
Tetrahydrofuran
Concen: 1.961 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

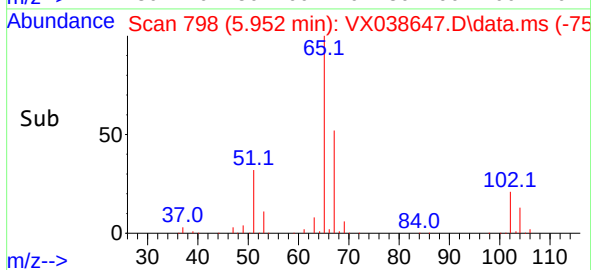
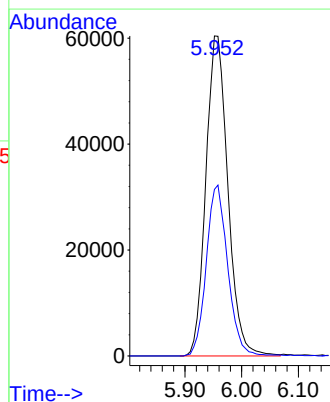
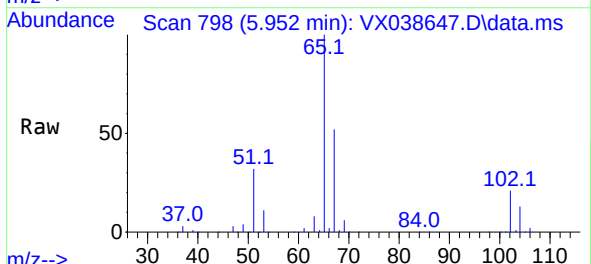
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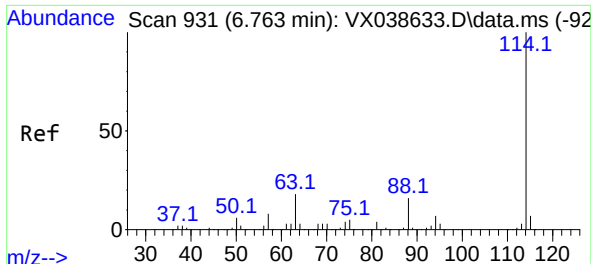
Tgt Ion: 42 Resp: 2658
Ion Ratio Lower Upper
42 100
72 47.7 34.2 51.4
71 29.6 32.2 48.2#



#33
1,2-Dichloroethane-d4
Concen: 45.753 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 65 Resp: 163375
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

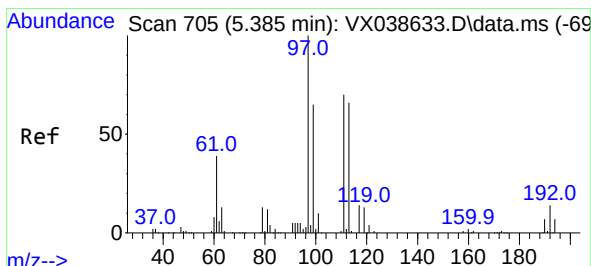
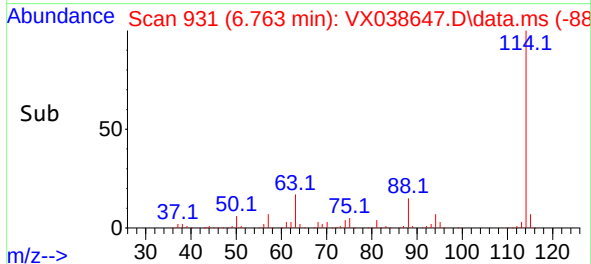
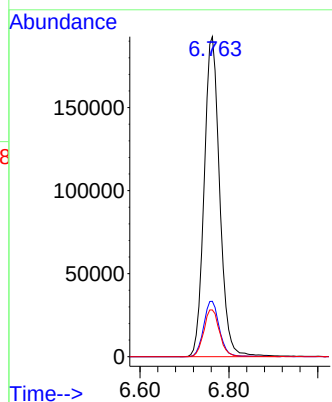
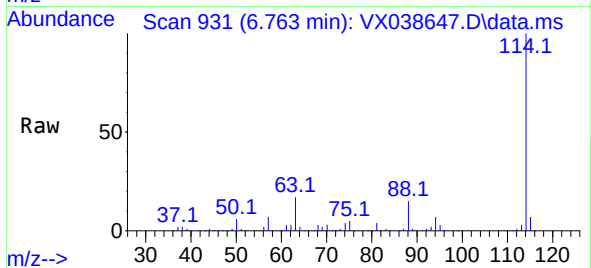




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

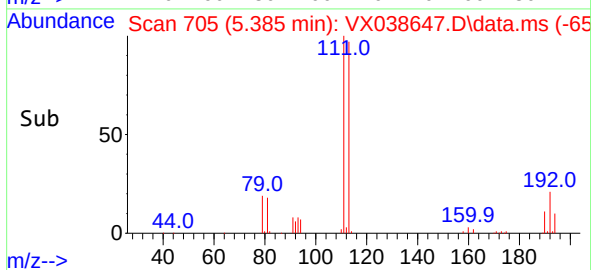
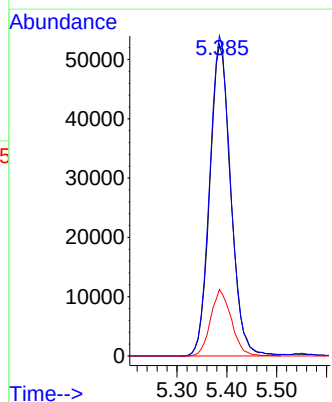
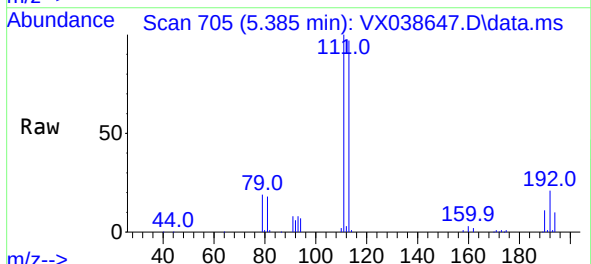
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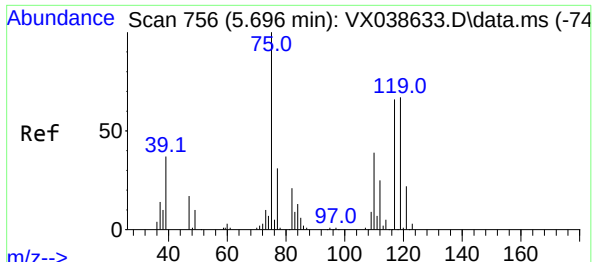
Tgt Ion:114 Resp: 469143
Ion Ratio Lower Upper
114 100
63 17.3 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.458 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion:113 Resp: 153599
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 21.0 13.3 19.9#

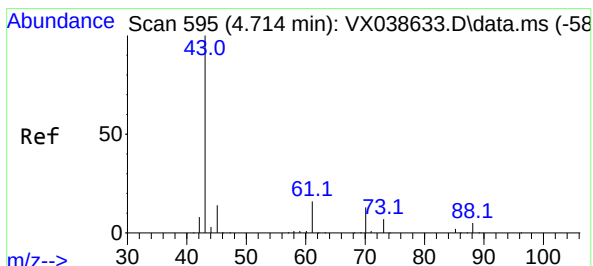
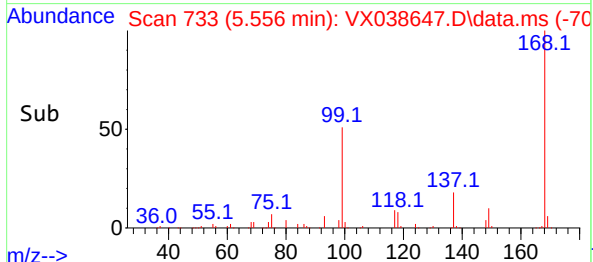
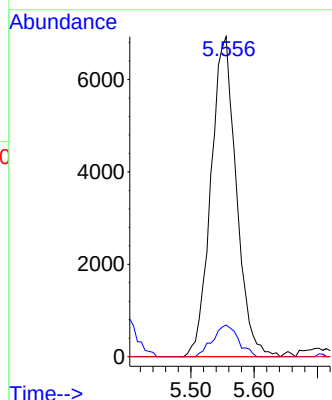
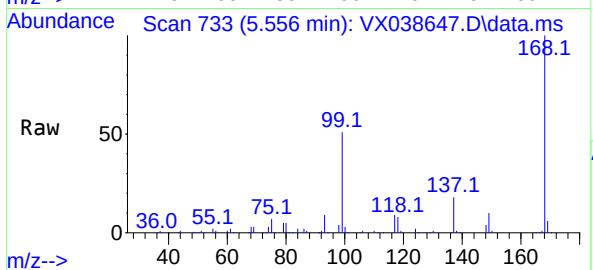




#36
1,1-Dichloropropene
Concen: 4.598 ug/l
RT: 5.556 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

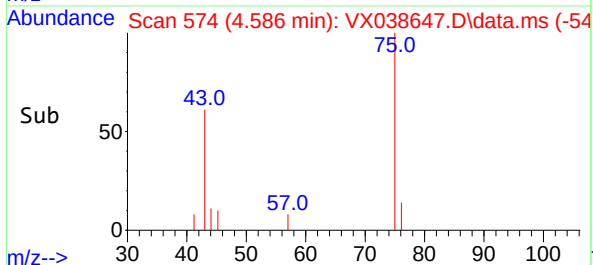
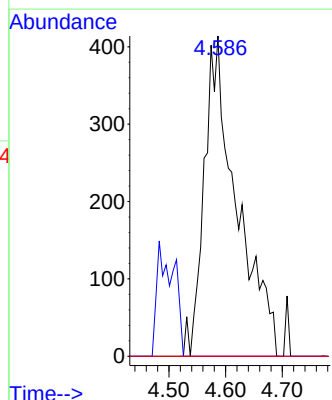
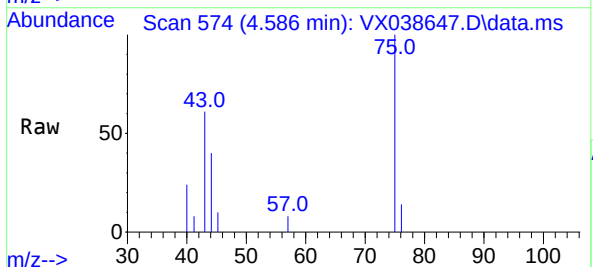
Instrument :
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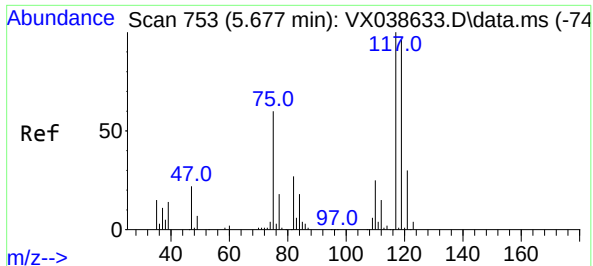
Tgt Ion: 75 Resp: 19301
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.384 ug/l
RT: 4.586 min Scan# 574
Delta R.T. -0.128 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#

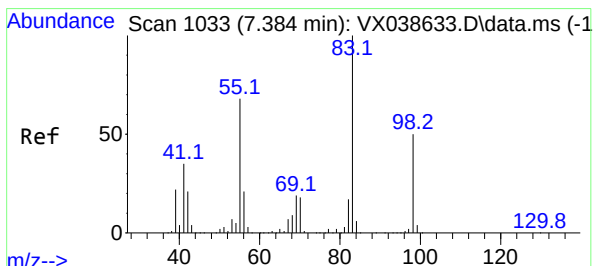
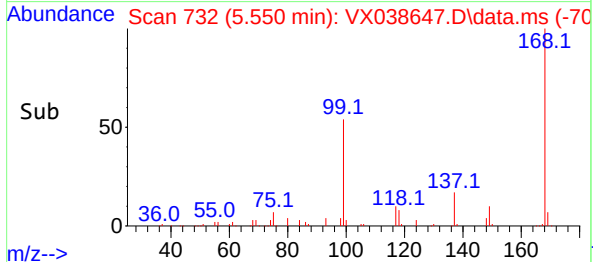
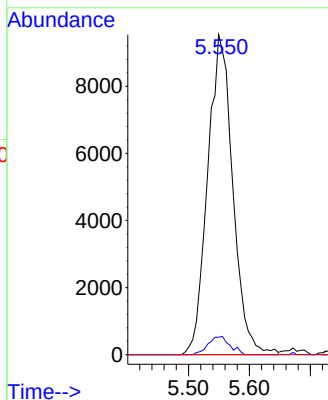
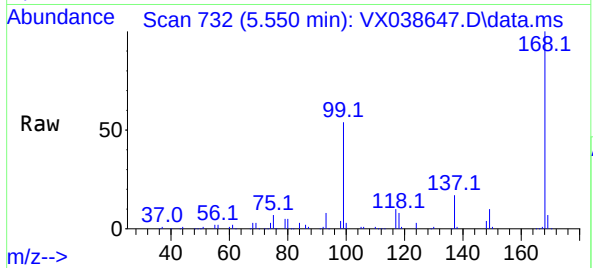




#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

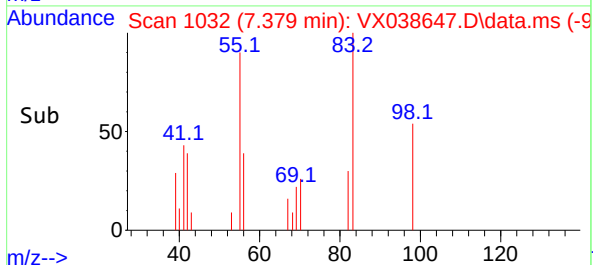
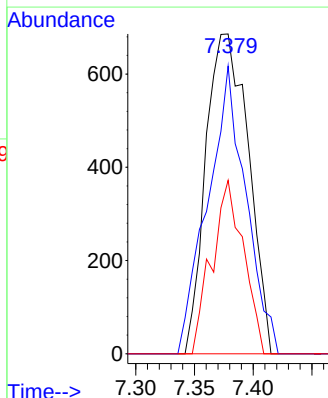
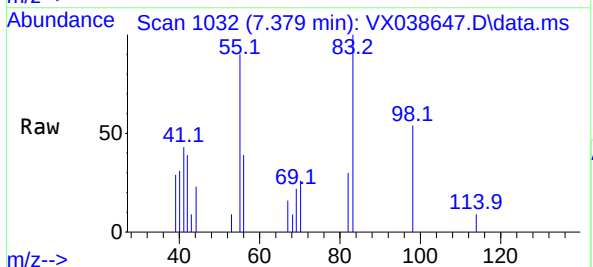
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

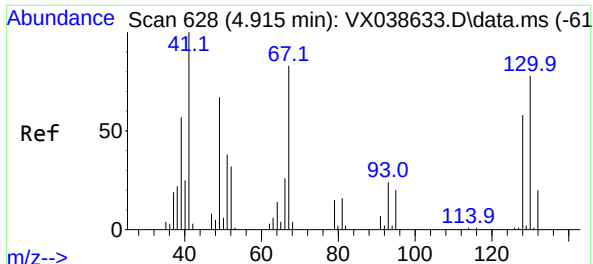
Tgt Ion:117 Resp: 27354
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.329 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 83 Resp: 1726
Ion Ratio Lower Upper
83 100
55 89.9 64.6 97.0
98 54.2 36.7 55.1



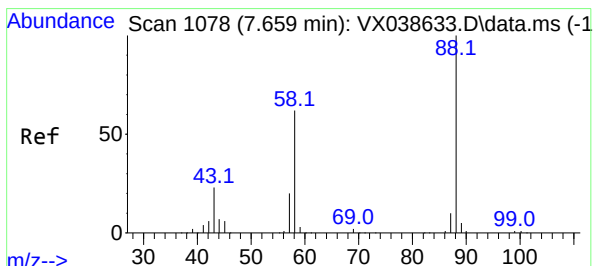
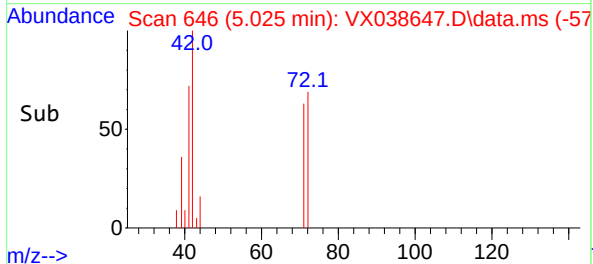
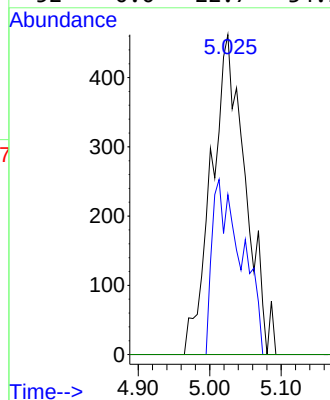
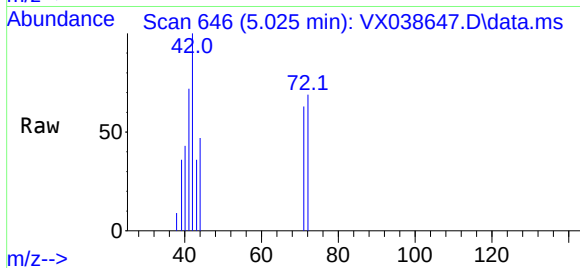


#41
Methacrylonitrile
Concen: 0.699 ug/l
RT: 5.025 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

Tgt Ion: 41 Resp: 1527

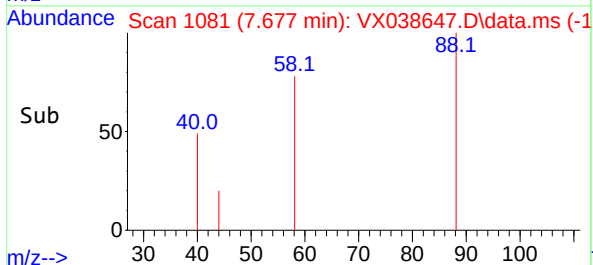
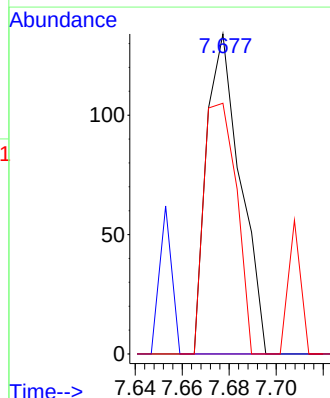
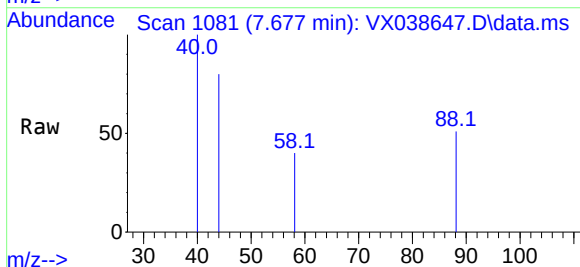
Ion	Ratio	Lower	Upper
41	100		
39	35.6	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#

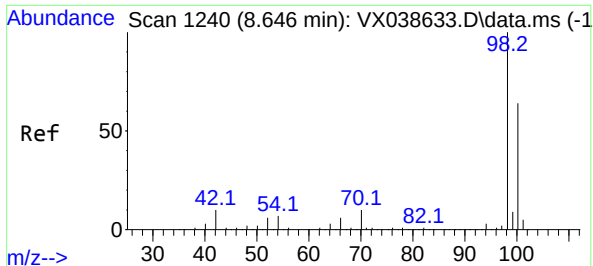


#49
1,4-Dioxane
Concen: 1.854 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.019 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 88 Resp: 134

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.4	60.1	90.1

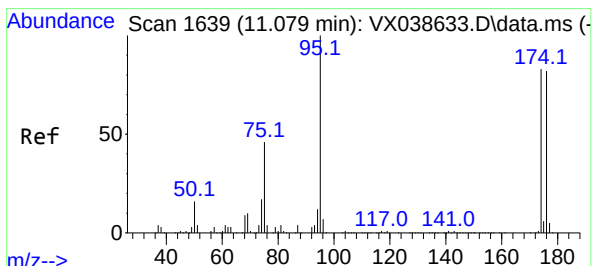
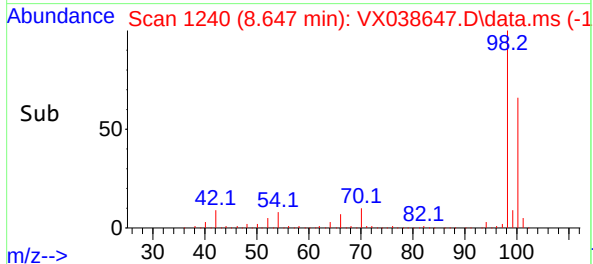
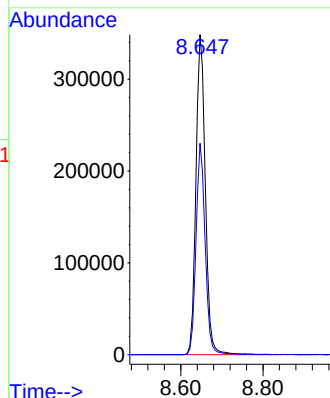
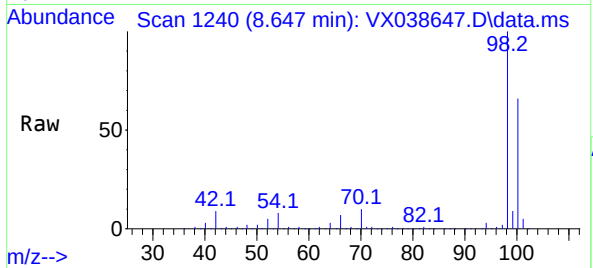




#50
Toluene-d8
Concen: 45.620 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

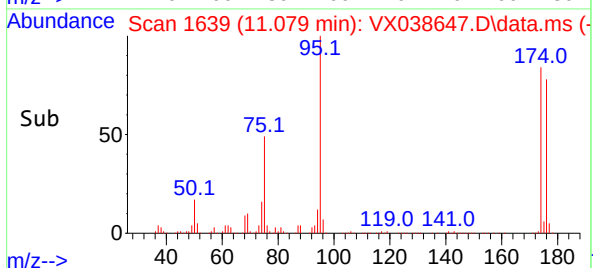
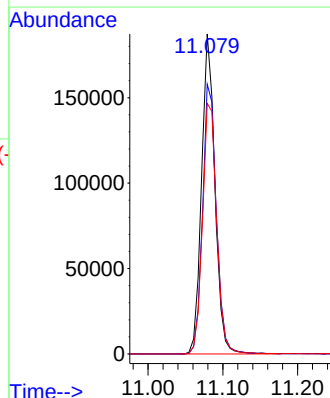
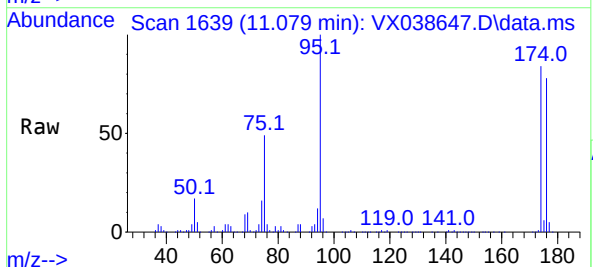
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

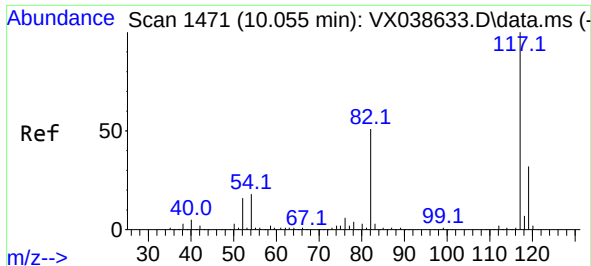
Tgt Ion: 98 Resp: 551600
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 95 Resp: 232074
Ion Ratio Lower Upper
95 100
174 87.4 0.0 135.6
176 83.3 0.0 131.0

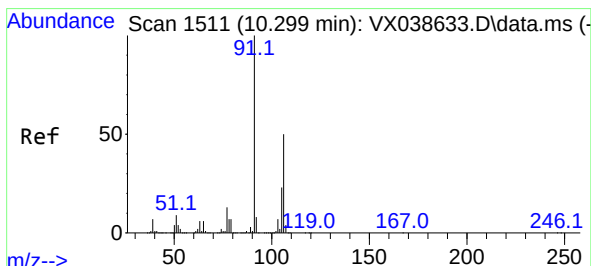
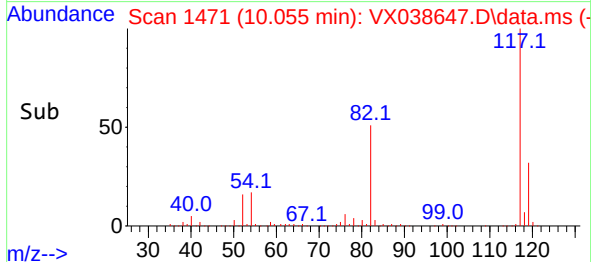
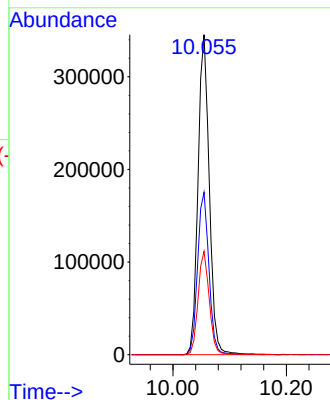
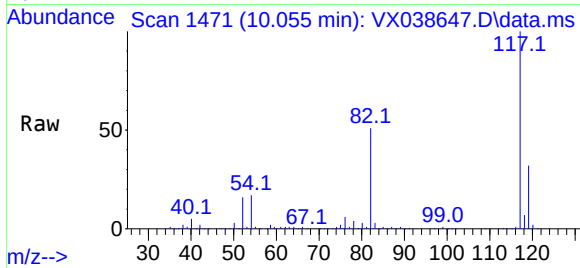




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

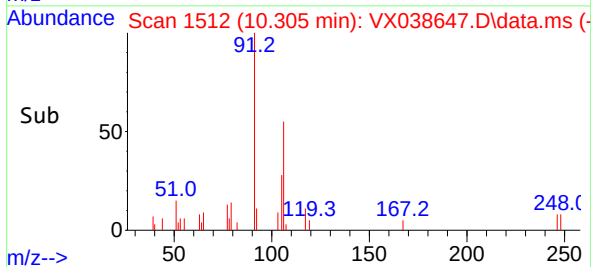
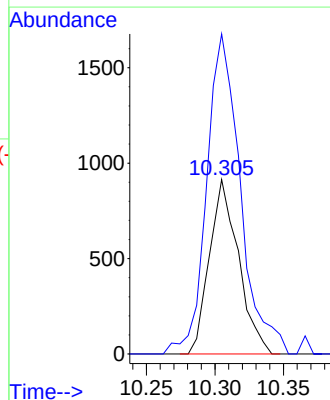
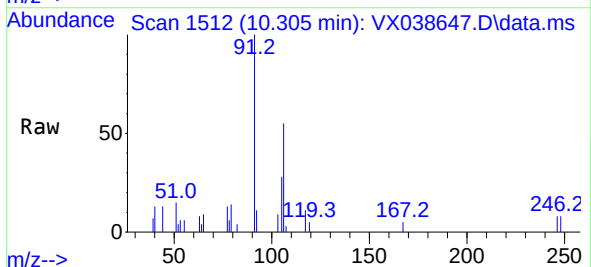
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

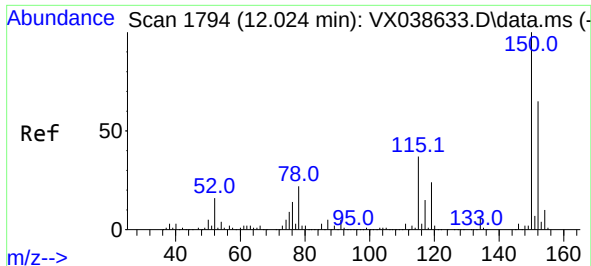
Tgt Ion:117 Resp: 476450
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.207 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion:106 Resp: 1347
Ion Ratio Lower Upper
106 100
91 213.4 165.5 248.3

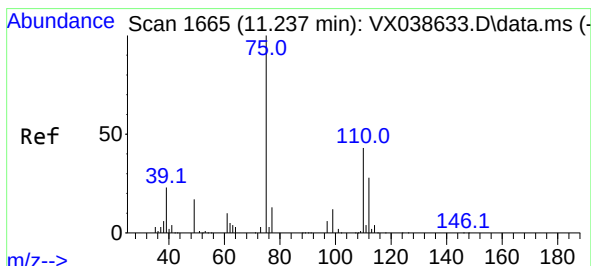
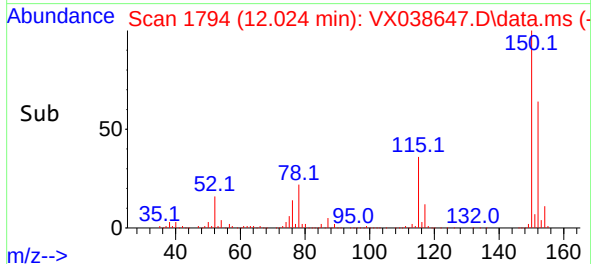
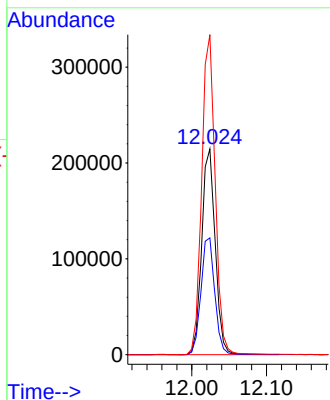
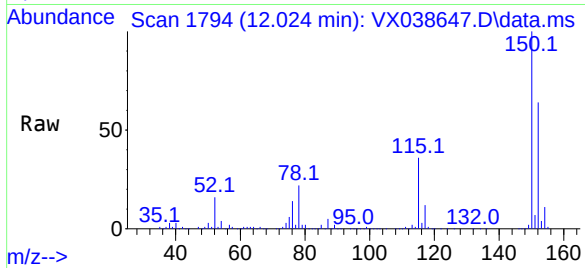




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038647.D
 Acq: 08 Nov 2023 11:49

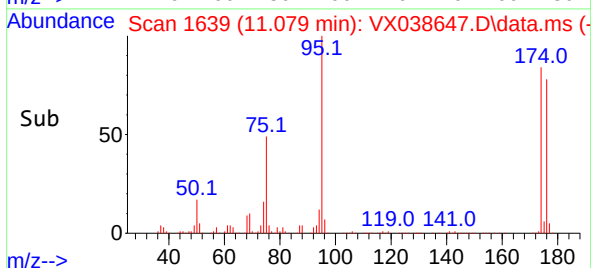
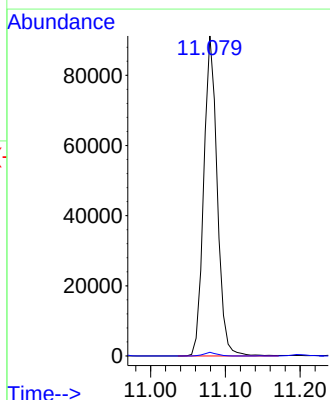
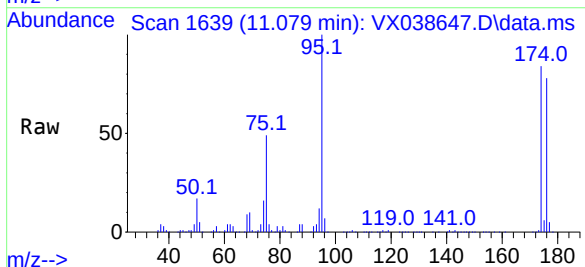
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1-GW

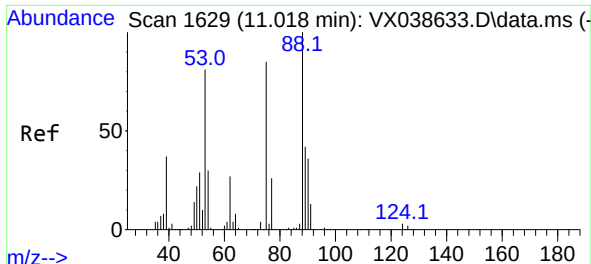
Tgt Ion:152 Resp: 269737
 Ion Ratio Lower Upper
 152 100
 115 58.3 43.3 129.9
 150 154.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.345 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038647.D
 Acq: 08 Nov 2023 11:49

Tgt Ion: 75 Resp: 114030
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

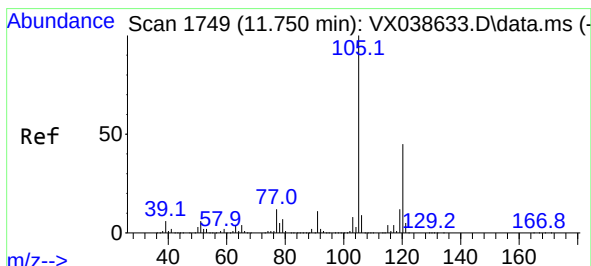
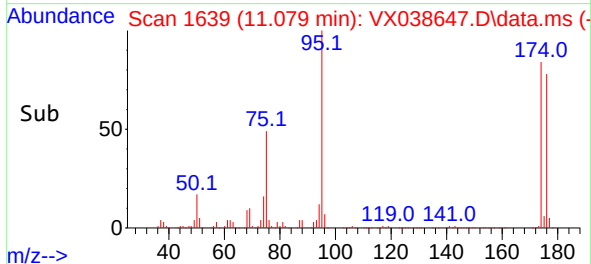
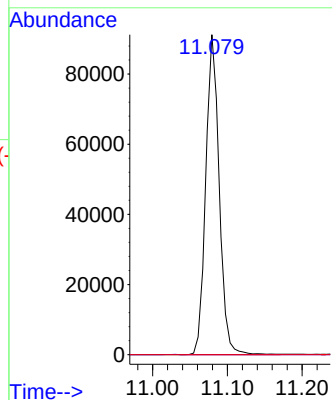
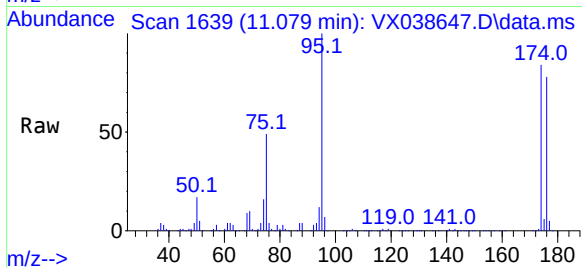




#81
trans-1,4-Dichloro-2-butene
Concen: 64.764 ug/l
RT: 11.079 min Scan# 114030
Delta R.T. 0.061 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

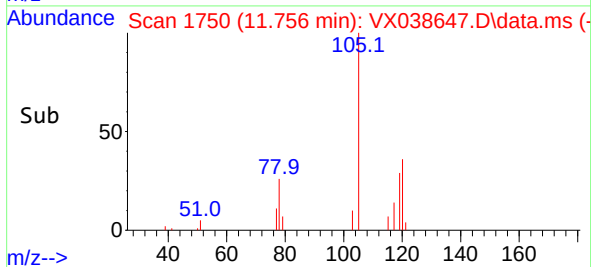
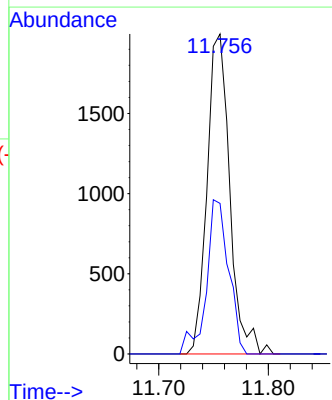
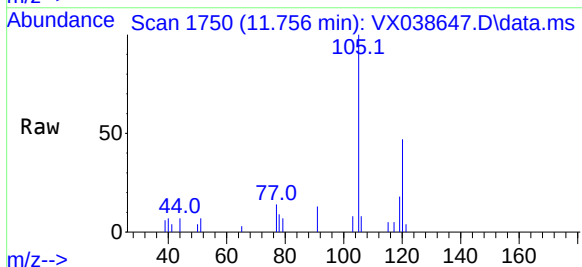
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

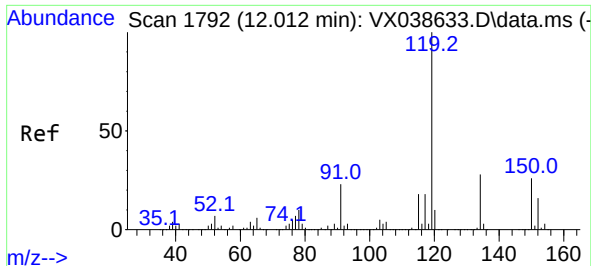
Tgt Ion: 75 Resp: 114030
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.203 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion: 105 Resp: 2873
Ion Ratio Lower Upper
105 100
120 47.0 21.2 63.6

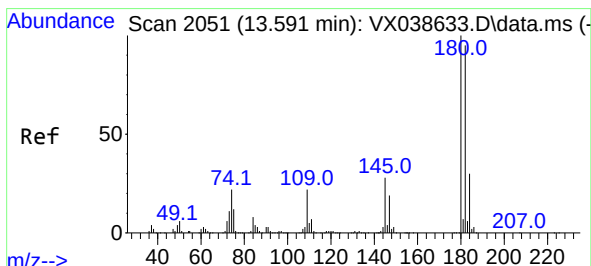
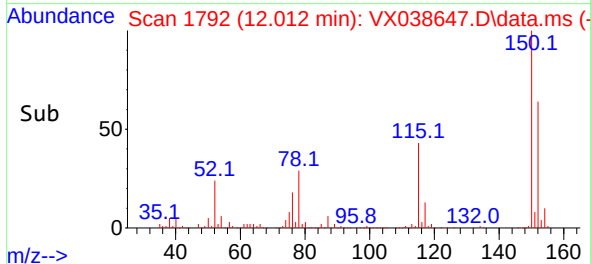
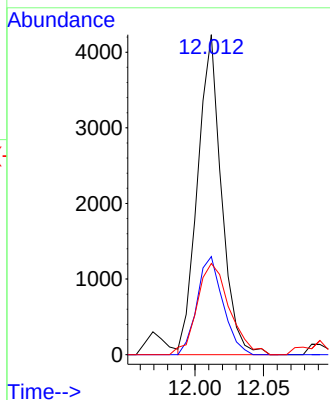
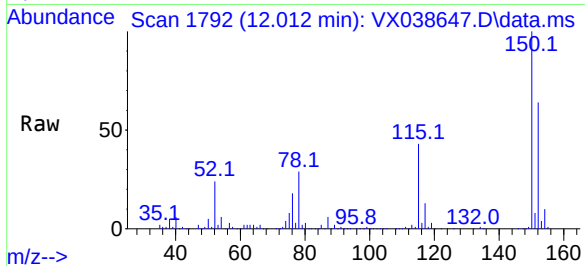




#86
p-Isopropyltoluene
Concen: 0.334 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

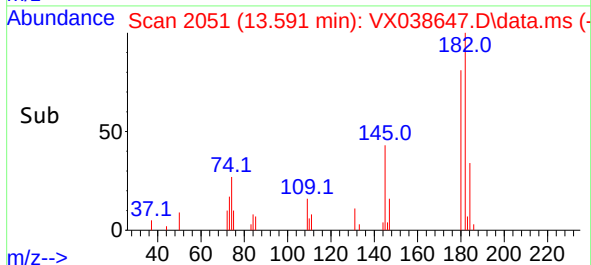
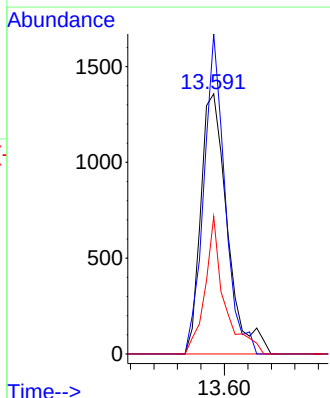
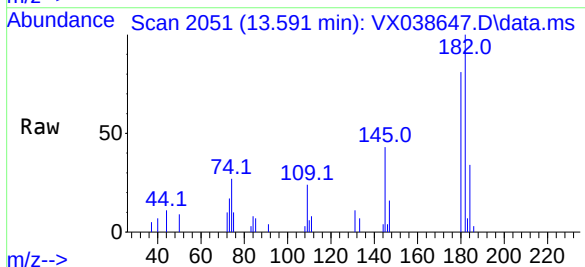
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

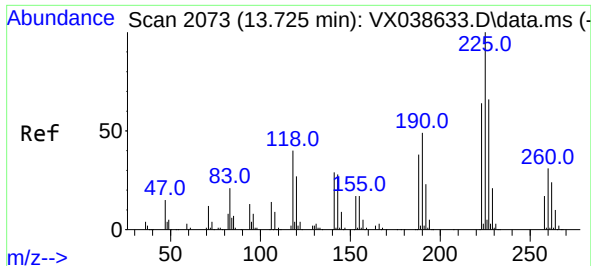
Tgt Ion:	119	Resp:	5129
Ion	Ratio	Lower	Upper
119	100		
134	33.2	12.8	38.3
91	38.7	13.1	39.3



#93
1,2,4-Trichlorobenzene
Concen: 0.351 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

Tgt Ion:	180	Resp:	2131
Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.3	144.8
145	38.1	18.0	54.0

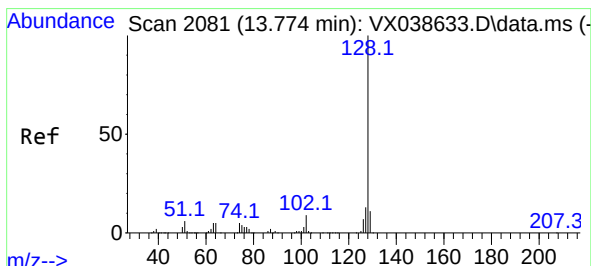
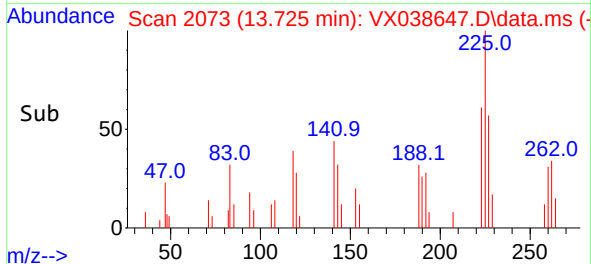
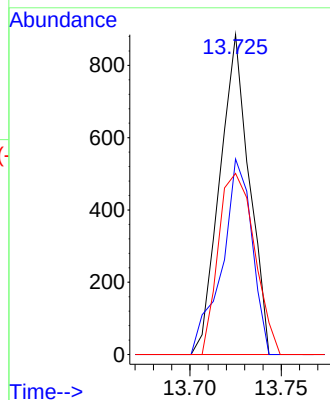
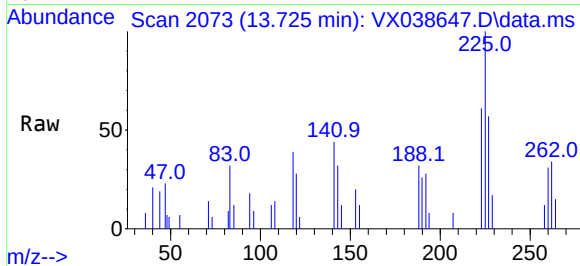




#94
Hexachlorobutadiene
Concen: 0.380 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

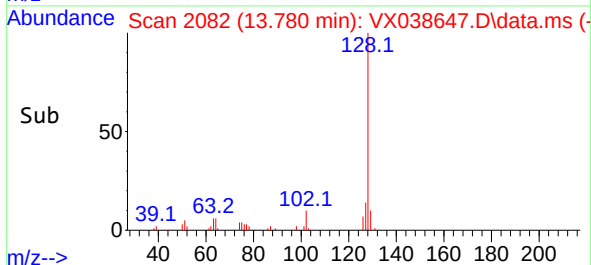
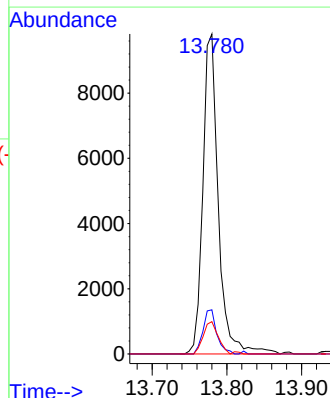
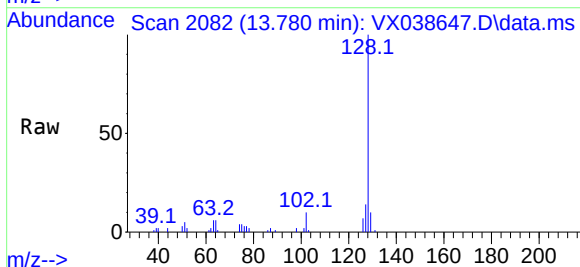
Instrument :
MSVOA_X
ClientSampleId :
MH-1-GW

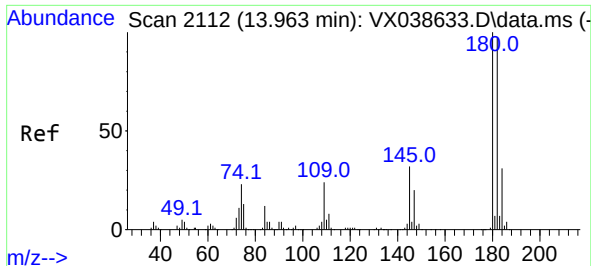
Tgt Ion:	225	Resp:	994
Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	69.6	32.5	97.5



#95
Naphthalene
Concen: 0.769 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038647.D
Acq: 08 Nov 2023 11:49

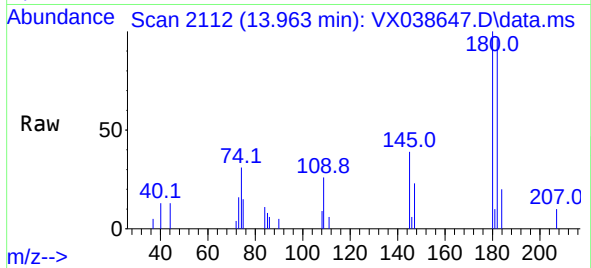
Tgt Ion:	128	Resp:	14072
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	10.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.281 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX038647.D
 Acq: 08 Nov 2023 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1-GW



Tgt Ion:180 Resp: 1677

Ion	Ratio	Lower	Upper
180	100		
182	101.4	46.9	140.6
145	39.4	17.8	53.5

