

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037556.D
 Acq On : 06 Sep 2023 15:49
 Operator : JC/MD
 Sample : 04256-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

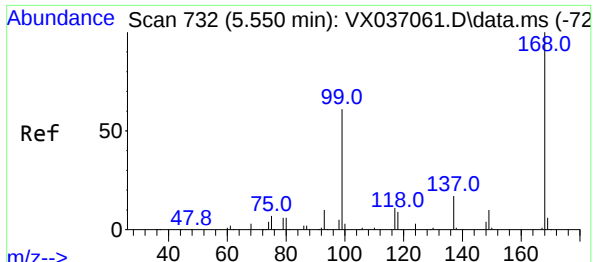
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Sep 06 22:46:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76046	40.255	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.500%		
35) Dibromofluoromethane	5.385	113	66038	45.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.620%		
50) Toluene-d8	8.647	98	259598	49.646	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.300%		
62) 4-Bromofluorobenzene	11.079	95	93776	45.635	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.280%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	780	0.849	ug/l	92
11) Tert butyl alcohol	2.941	59	7244	16.347	ug/l #	78
16) Acetone	2.386	43	18623	25.199	ug/l #	82
18) Methyl Acetate	2.715	43	1511	0.543	ug/l	91
20) Methylene Chloride	2.788	84	8856	5.358	ug/l #	82
25) 2-Butanone	4.580	43	5279	4.744	ug/l #	86
29) Tetrahydrofuran	5.032	42	244	0.344	ug/l #	34
31) Cyclohexane	5.550	56	2306	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9512	4.645	ug/l #	51
37) Ethyl Acetate	4.739	43	1967	0.940	ug/l #	95
38) Carbon Tetrachloride	5.550	117	13220	5.942	ug/l #	15
43) Isopropyl Acetate	6.348	43	84901	25.562	ug/l #	88
44) Trichloroethene	7.123	130	463	0.278	ug/l	80
48) Methyl methacrylate	7.799	41	76891	47.470	ug/l #	45
49) 1,4-Dioxane	7.799	88	144	3.301	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76650	38.005	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	694	0.298	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38846	15.449	ug/l #	47
57) 1,3-Dichloropropane	9.482	76	5058	1.899	ug/l #	42
59) 2-Hexanone	9.482	43	56020	36.429	ug/l #	57
74) N-amyl acetate	10.817	43	834	0.346	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	44317	24.378	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44317	68.088	ug/l #	5

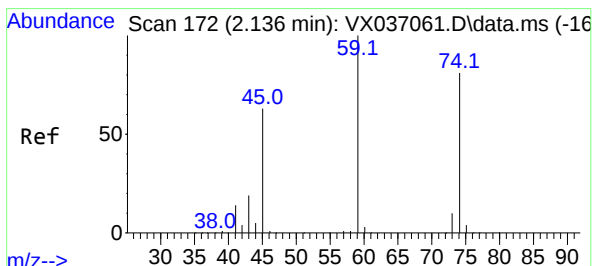
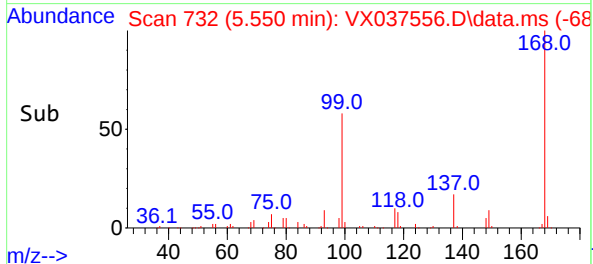
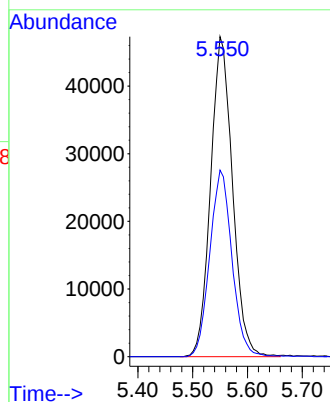
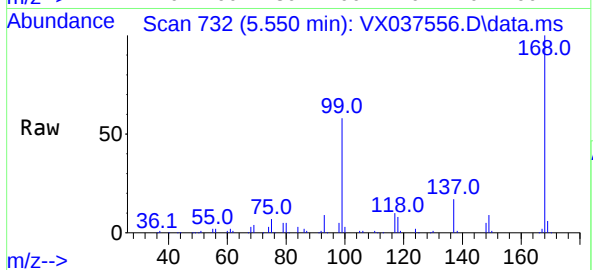
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

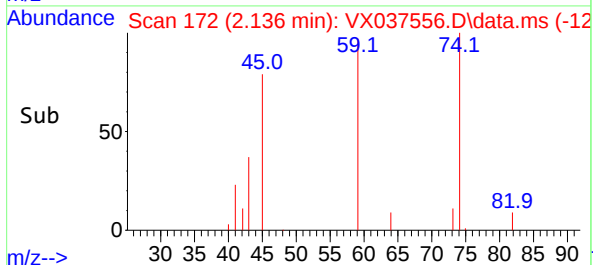
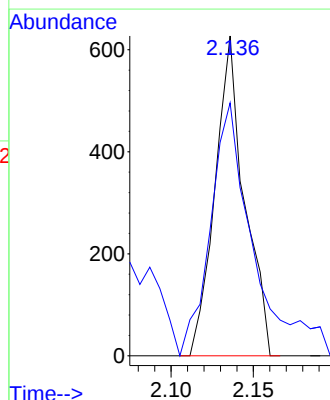
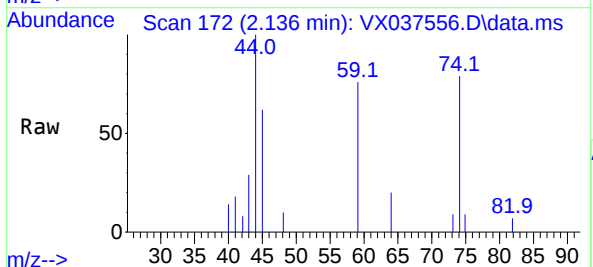
Instrument :
MSVOA_X
ClientSampleId :
MW-1

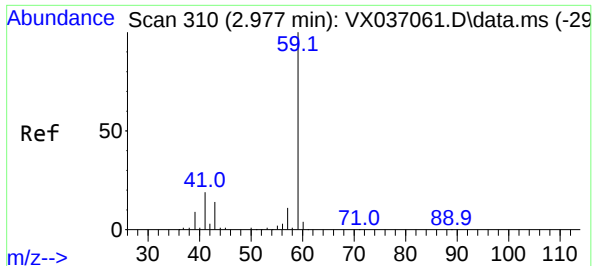
Tgt Ion:168 Resp: 131036
Ion Ratio Lower Upper
168 100
99 58.3 56.6 85.0



#8
Diethyl Ether
Concen: 0.849 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 74 Resp: 780
Ion Ratio Lower Upper
74 100
45 114.7 53.3 159.8

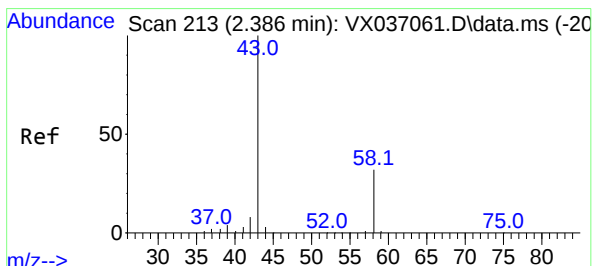
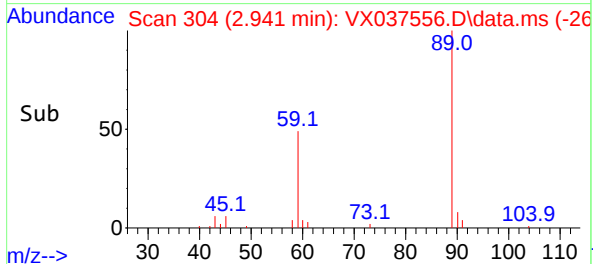
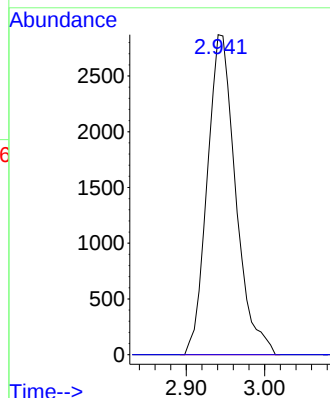
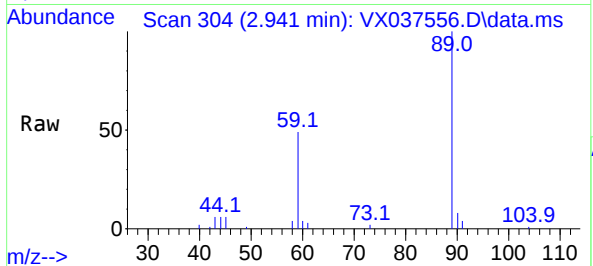




#11
Tert butyl alcohol
Concen: 16.347 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

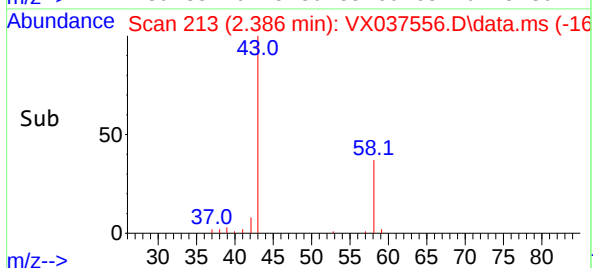
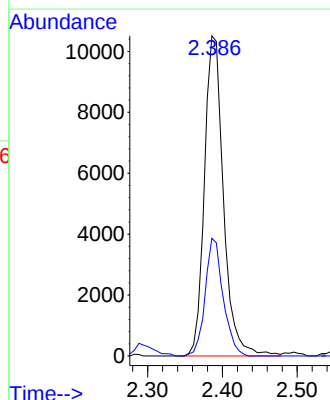
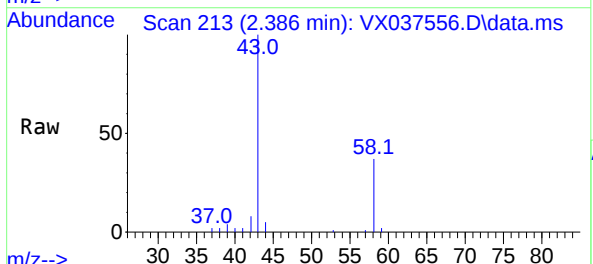
Instrument :
MSVOA_X
ClientSampleId :
MW-1

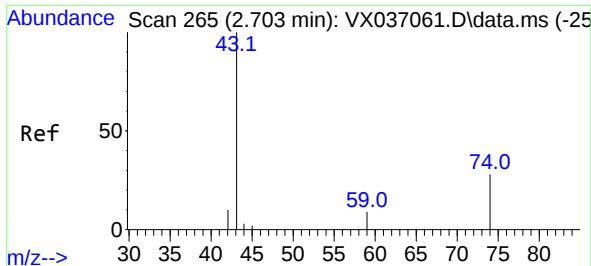
Tgt Ion: 59 Resp: 7244
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 25.199 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 43 Resp: 18623
Ion Ratio Lower Upper
43 100
58 36.8 21.9 32.9#

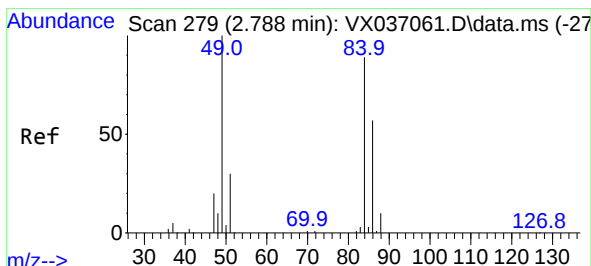
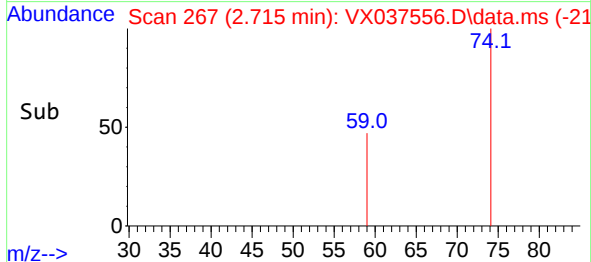
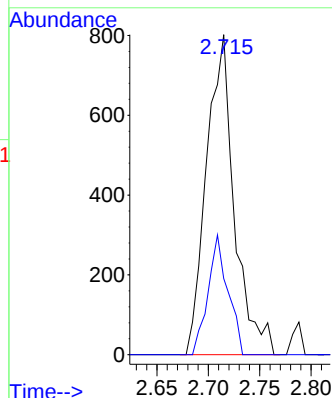
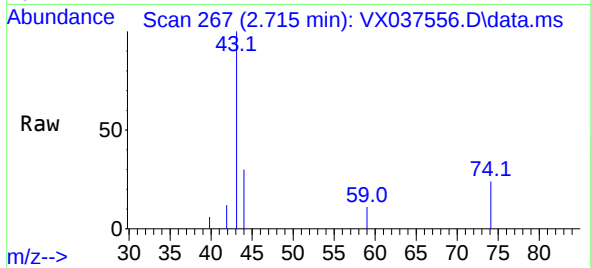




#18
Methyl Acetate
Concen: 0.543 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

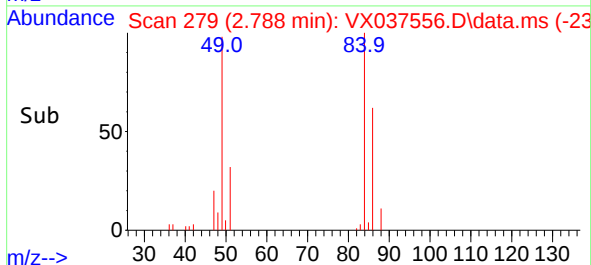
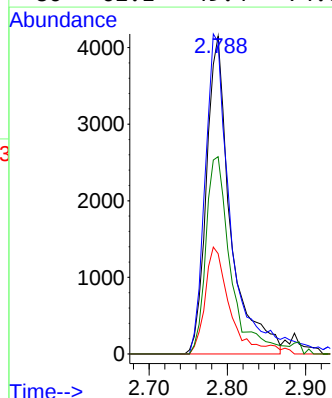
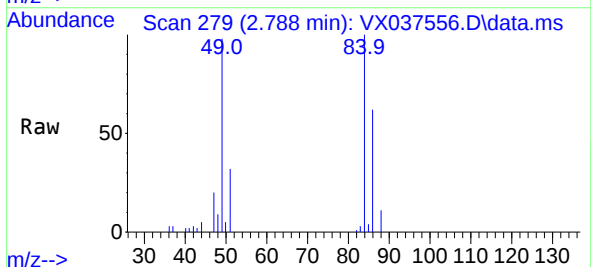
Instrument :
MSVOA_X
ClientSampleId :
MW-1

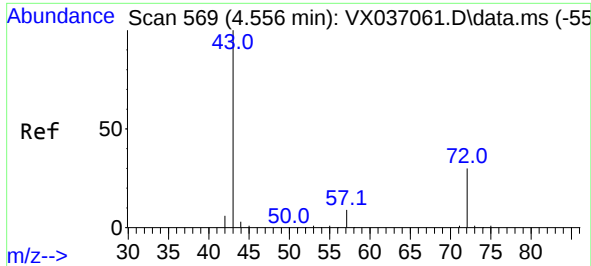
Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
74 26.7 17.8 26.8



#20
Methylene Chloride
Concen: 5.358 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 84 Resp: 8856
Ion Ratio Lower Upper
84 100
49 98.2 103.6 155.4#
51 31.6 33.8 50.6#
86 62.1 49.4 74.0

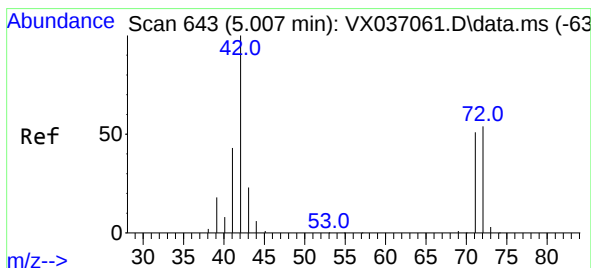
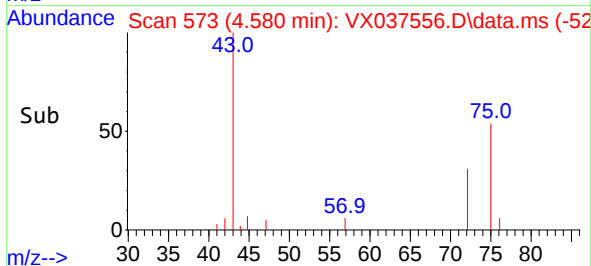
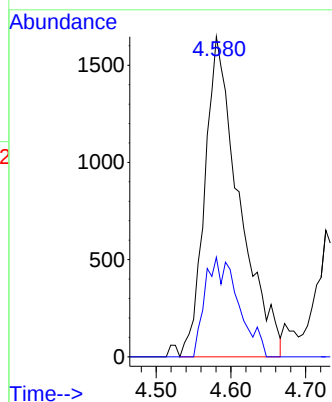
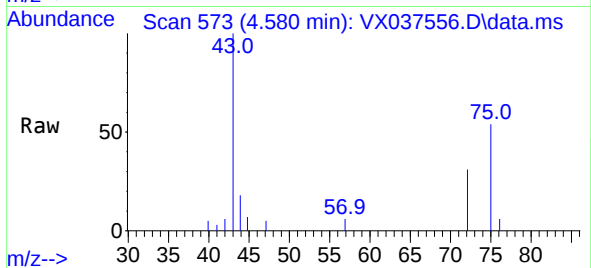




#25
2-Butanone
Concen: 4.744 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

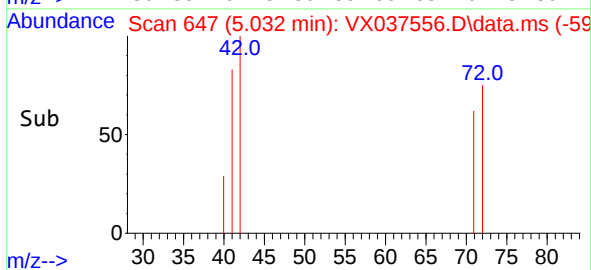
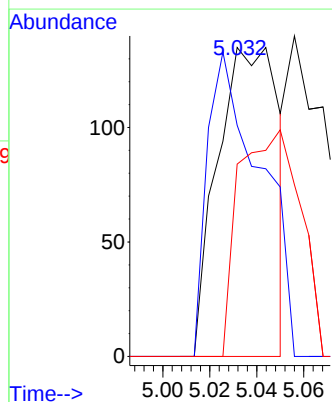
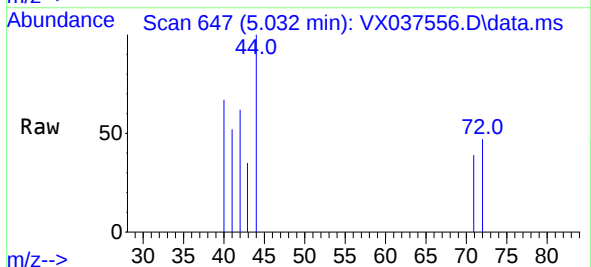
Instrument :
MSVOA_X
ClientSampleId :
MW-1

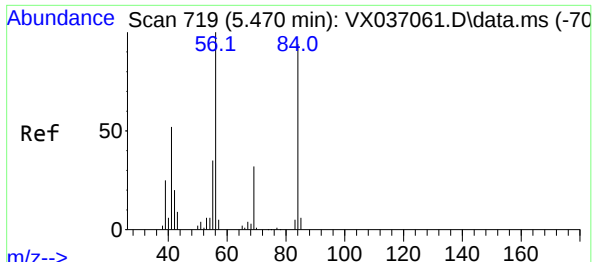
Tgt Ion: 43 Resp: 5279
Ion Ratio Lower Upper
43 100
72 31.1 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.344 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

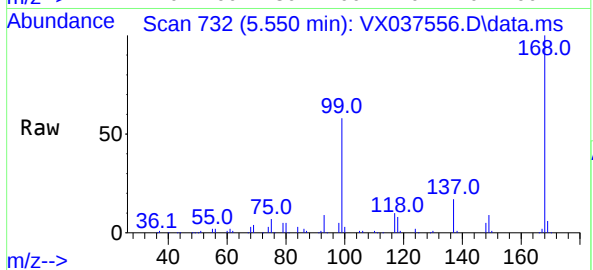
Tgt Ion: 42 Resp: 244
Ion Ratio Lower Upper
42 100
72 86.1 34.2 51.4#
71 0.0 32.2 48.2#



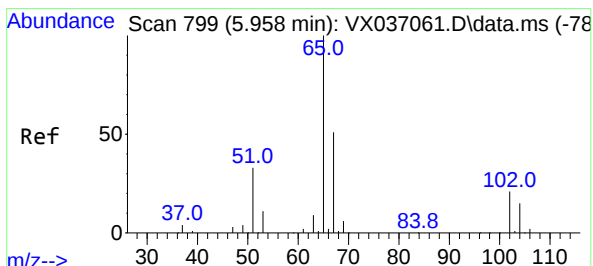
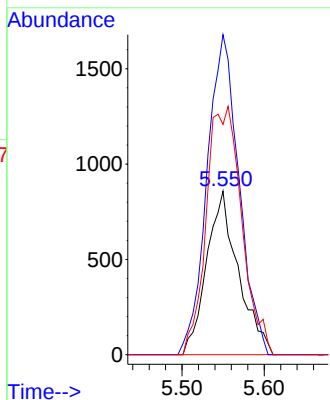
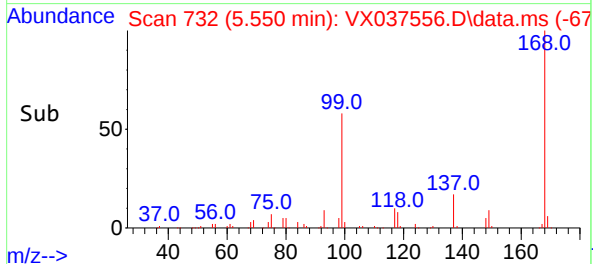


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Instrument :
MSVOA_X
ClientSampleId :
MW-1

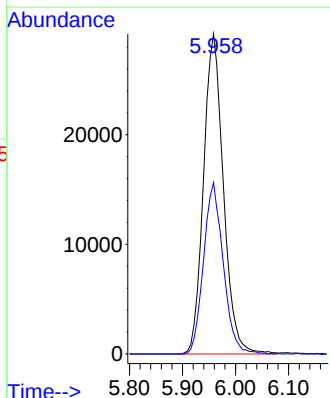
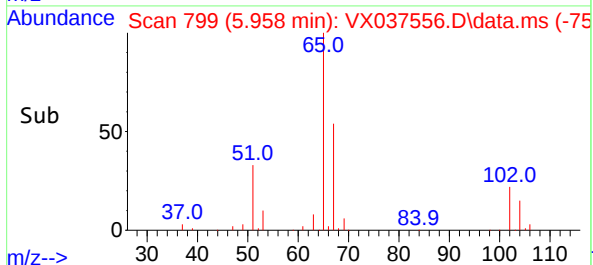
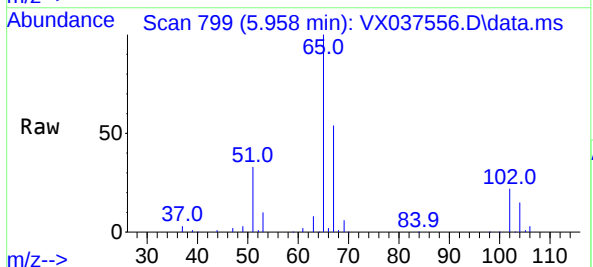


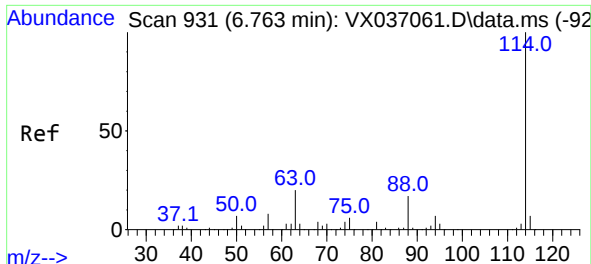
Tgt Ion: 56 Resp: 2306
Ion Ratio Lower Upper
56 100
69 195.7 23.4 35.2#
84 140.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 40.255 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 65 Resp: 76046
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

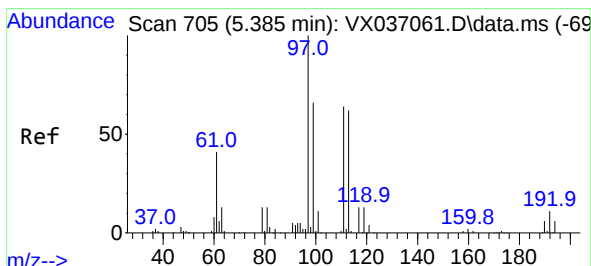
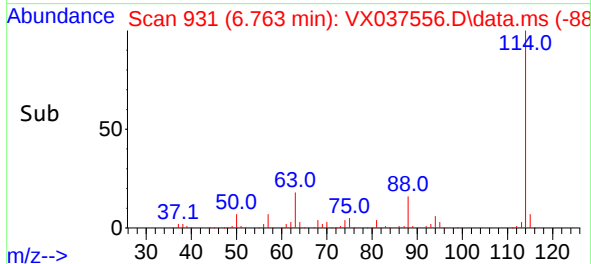
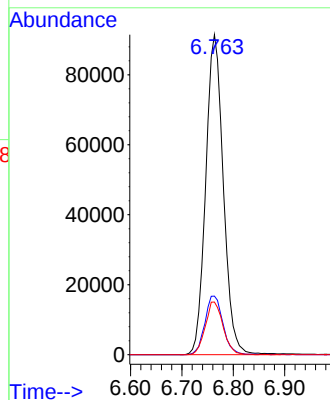
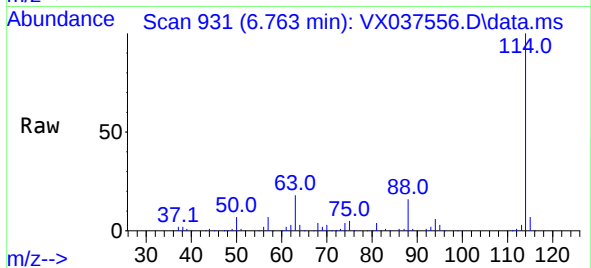




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

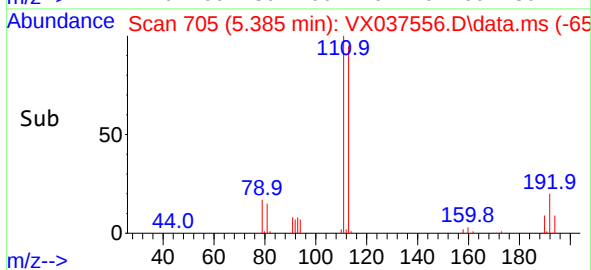
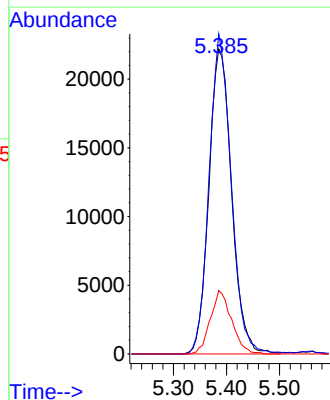
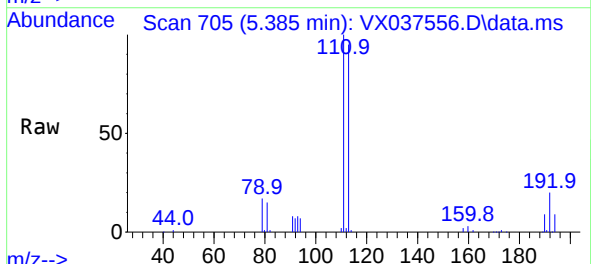
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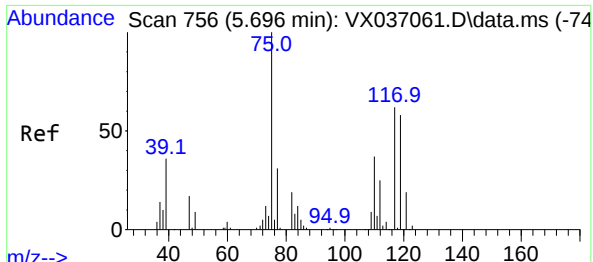
Tgt Ion:114 Resp: 217661
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.811 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

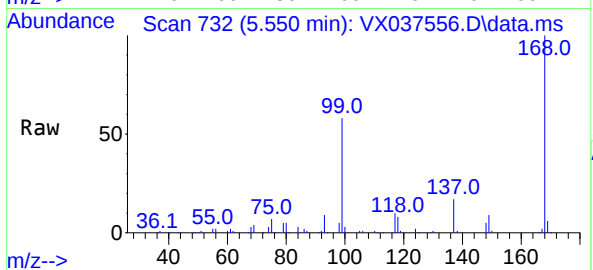
Tgt Ion:113 Resp: 66038
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 19.5 13.3 19.9



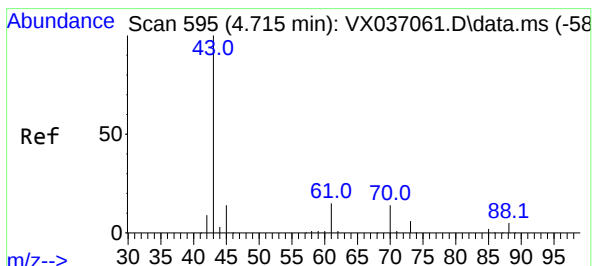
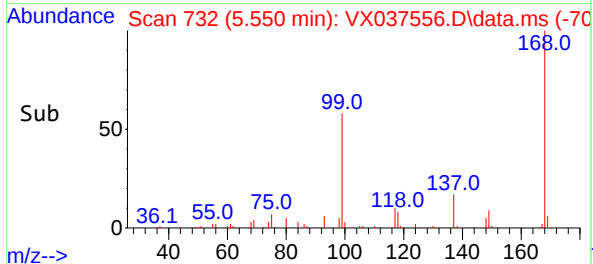
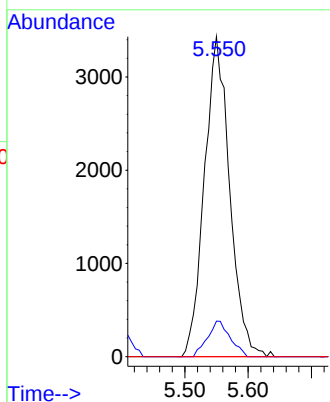


#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Instrument :
MSVOA_X
ClientSampleId :
MW-1

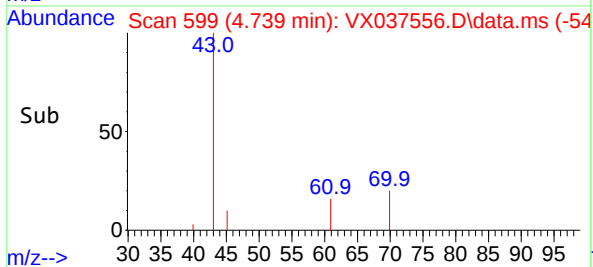
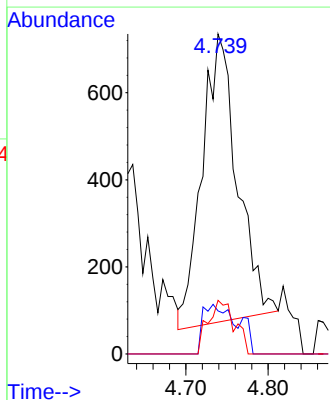
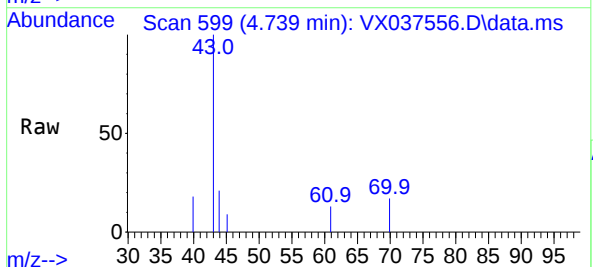


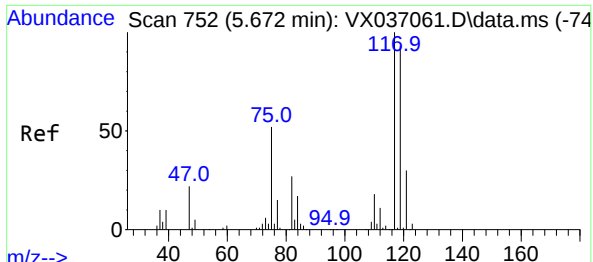
Tgt Ion: 75 Resp: 9512
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.940 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.025 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

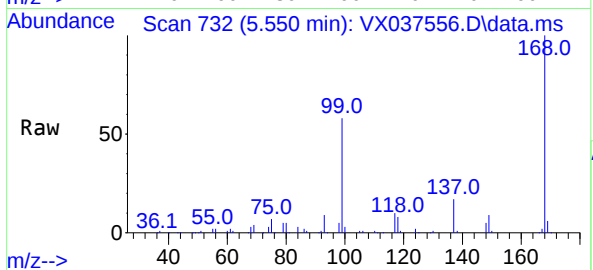
Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
61 13.8 10.6 16.0
70 14.1 8.3 12.5#



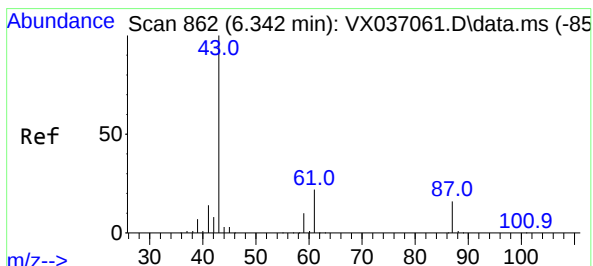
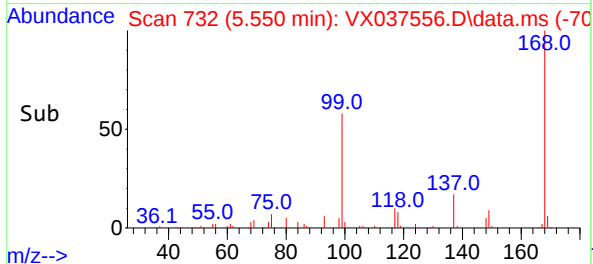
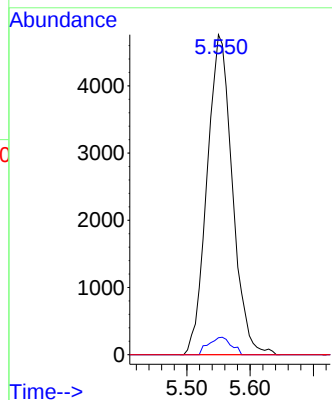


#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Instrument :
MSVOA_X
ClientSampleId :
MW-1

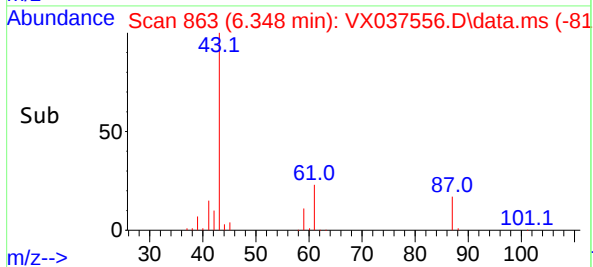
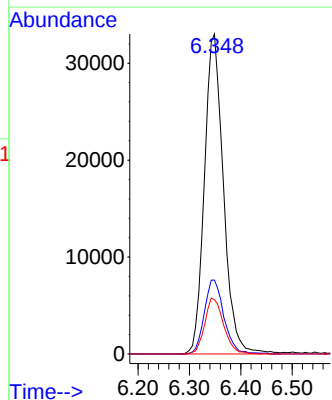
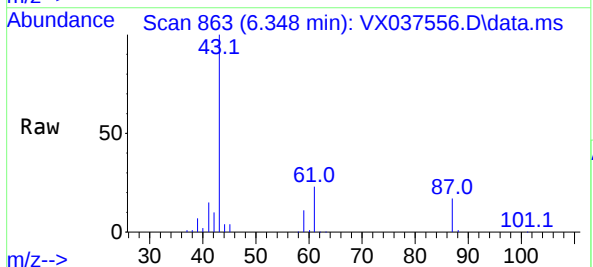


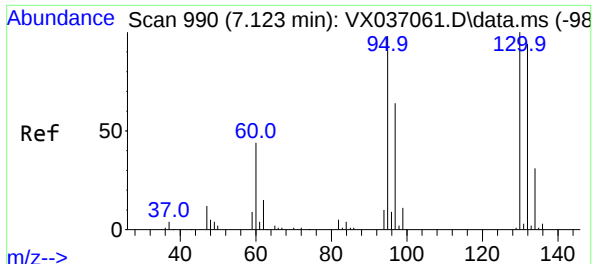
Tgt Ion:117 Resp: 13220
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.562 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 43 Resp: 84901
Ion Ratio Lower Upper
43 100
61 23.8 15.2 22.8#
87 17.3 9.8 14.6#





#44

Trichloroethene

Concen: 0.278 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX037556.D

Acq: 06 Sep 2023 15:49

Instrument :

MSVOA_X

ClientSampleId :

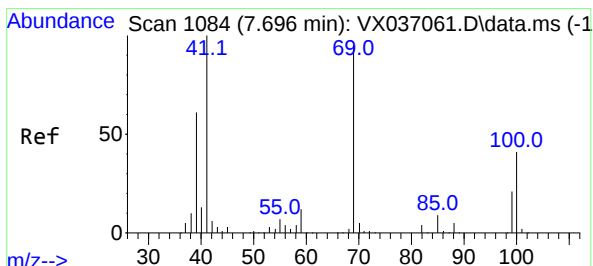
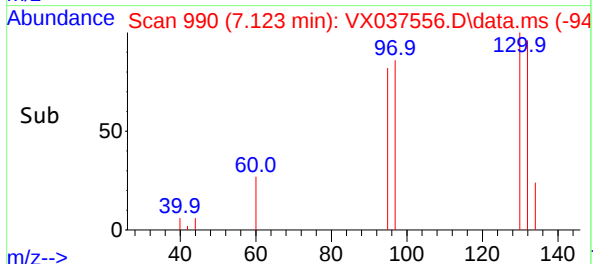
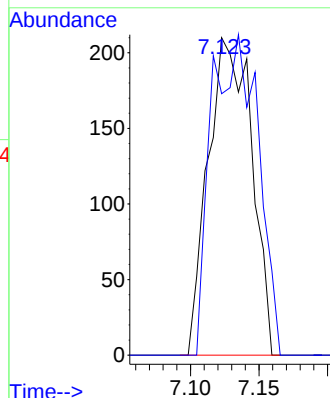
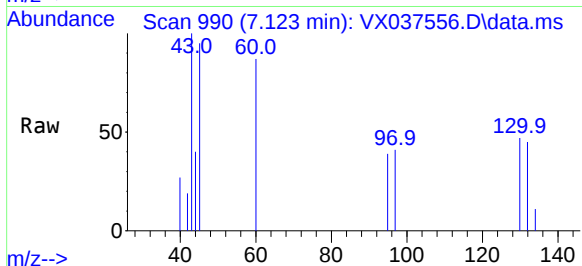
MW-1

Tgt Ion:130 Resp: 463

Ion Ratio Lower Upper

130 100

95 82.4 0.0 204.4



#48

Methyl methacrylate

Concen: 47.470 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX037556.D

Acq: 06 Sep 2023 15:49

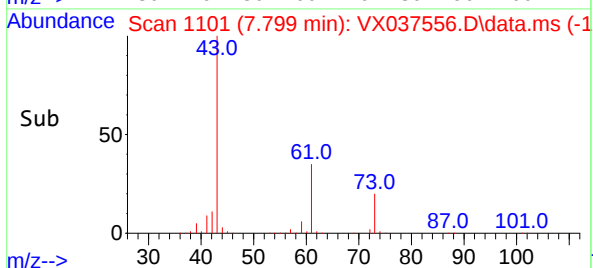
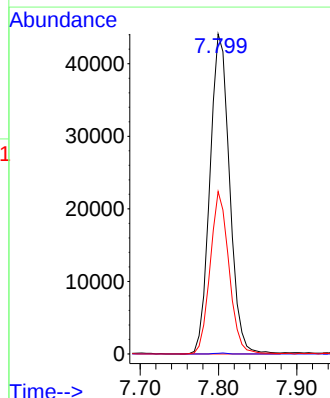
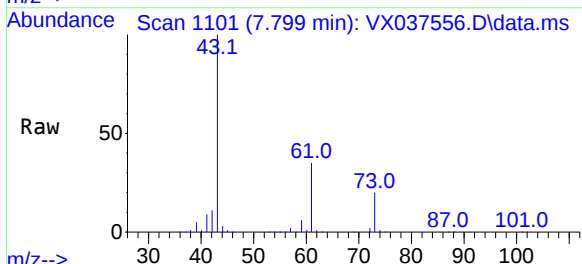
Tgt Ion: 41 Resp: 76891

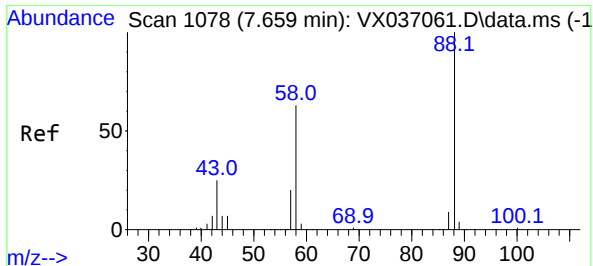
Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 48.7 47.7 71.5





#49

1,4-Dioxane

Concen: 3.301 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX037556.D

Acq: 06 Sep 2023 15:49

Instrument :

MSVOA_X

ClientSampleId :

MW-1

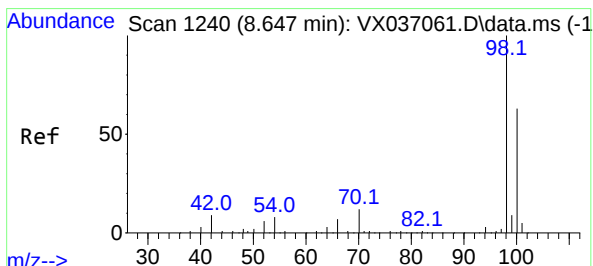
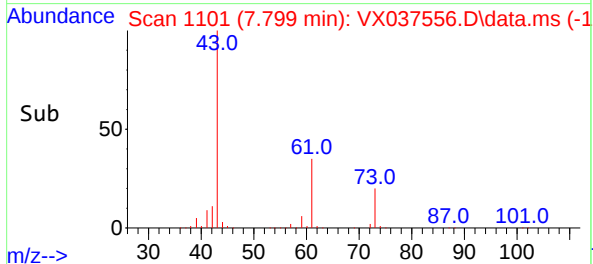
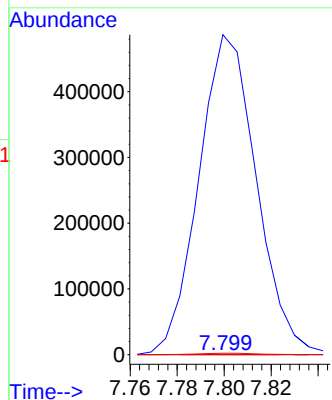
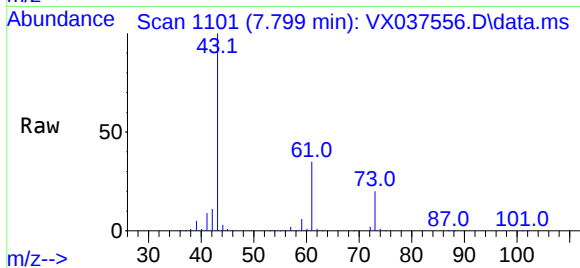
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 583091.0 0.0 0.0#

58 2699.3 60.1 90.1#



#50

Toluene-d8

Concen: 49.646 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037556.D

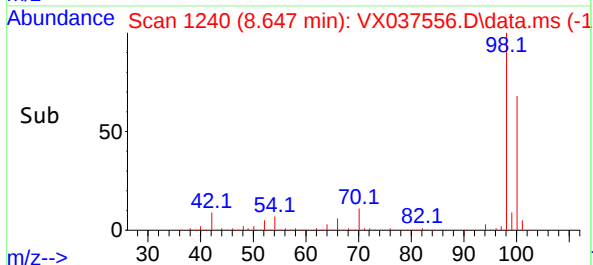
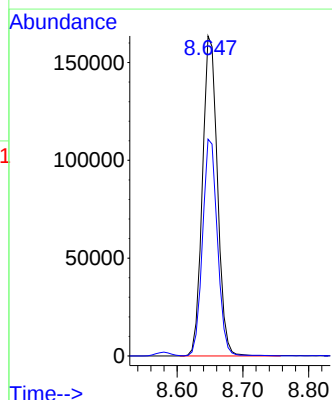
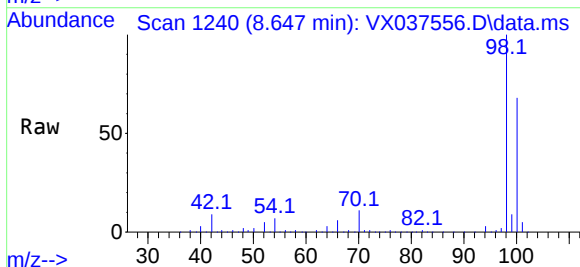
Acq: 06 Sep 2023 15:49

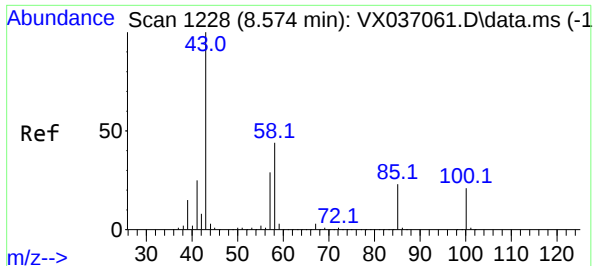
Tgt Ion: 98 Resp: 259598

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7

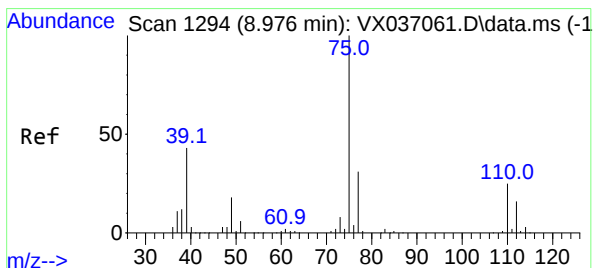
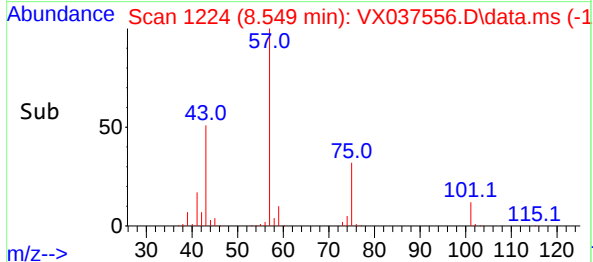
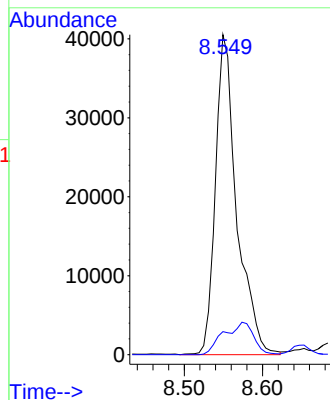
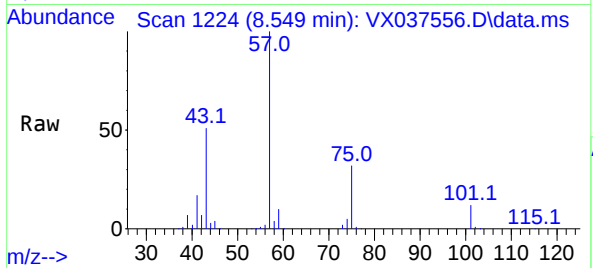




#51
4-Methyl-2-Pentanone
Concen: 38.005 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

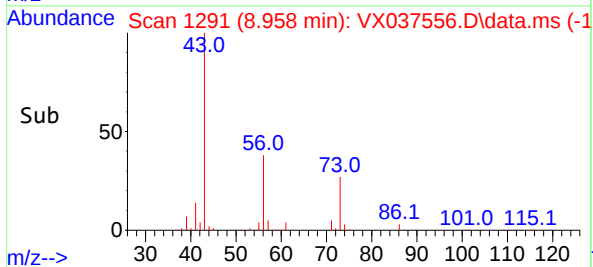
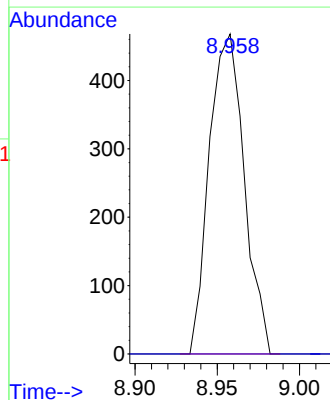
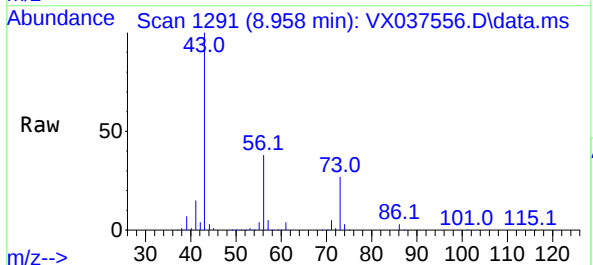
Instrument :
MSVOA_X
ClientSampleId :
MW-1

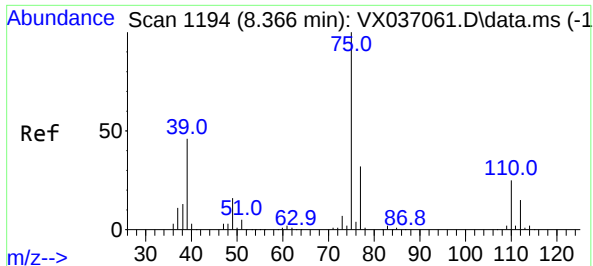
Tgt Ion: 43 Resp: 76650
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.298 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 75 Resp: 694
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

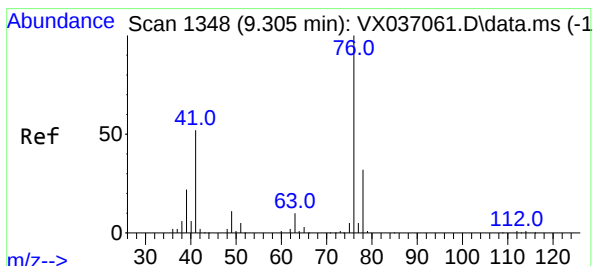
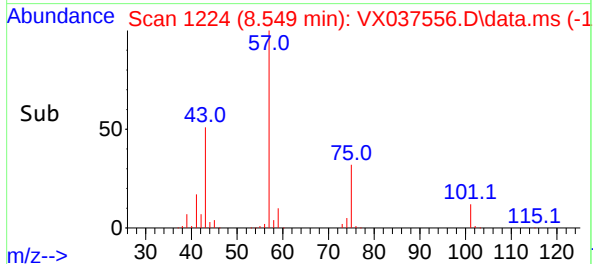
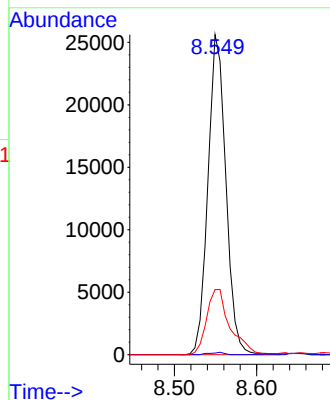
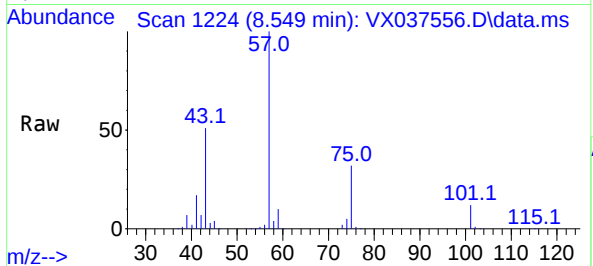




#54
cis-1,3-Dichloropropene
Concen: 15.449 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

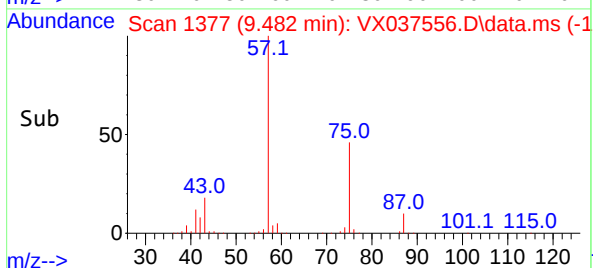
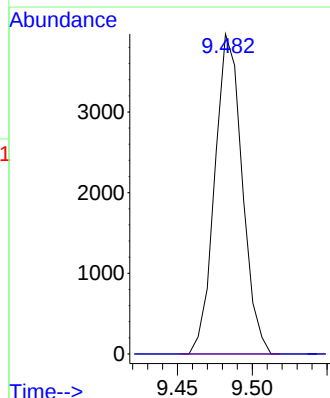
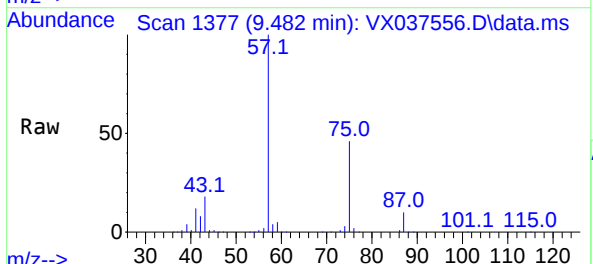
Instrument :
MSVOA_X
ClientSampleId :
MW-1

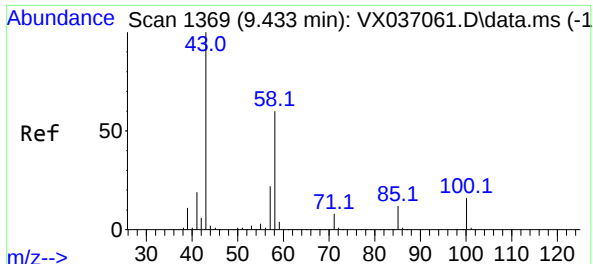
Tgt Ion: 75 Resp: 38846
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 20.4 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.899 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 76 Resp: 5058
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

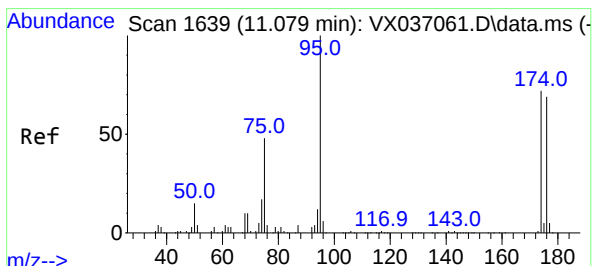
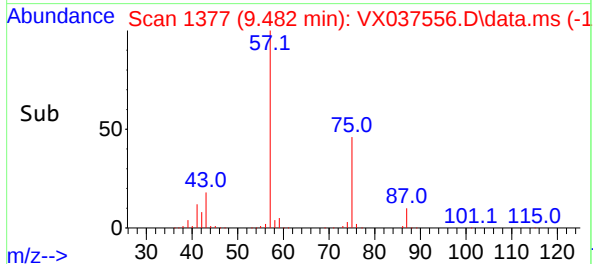
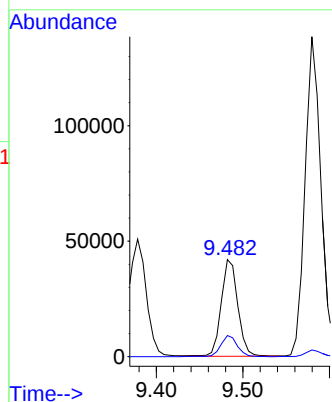
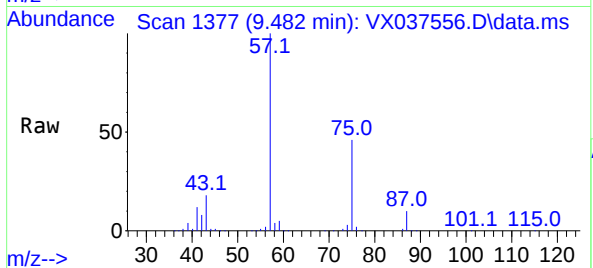




#59
2-Hexanone
Concen: 36.429 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

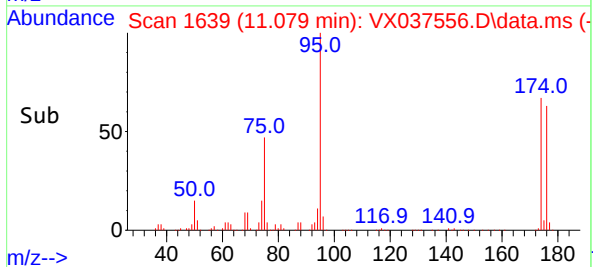
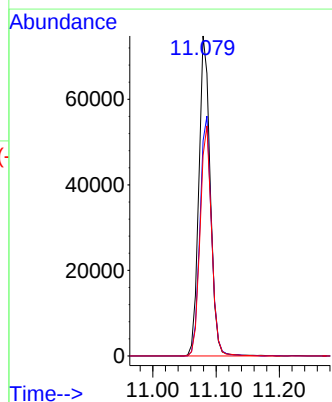
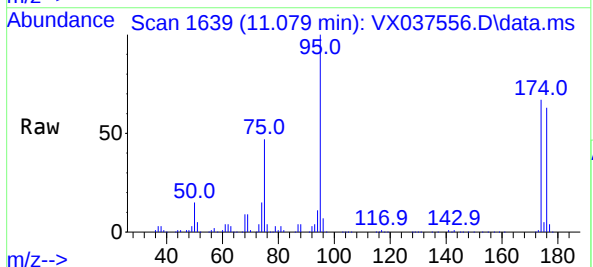
Instrument :
MSVOA_X
ClientSampleId :
MW-1

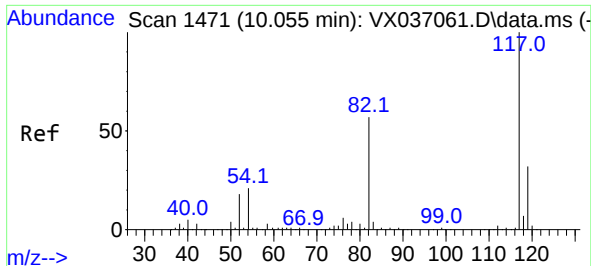
Tgt Ion: 43 Resp: 56020
Ion Ratio Lower Upper
43 100
58 21.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 45.635 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 95 Resp: 93776
Ion Ratio Lower Upper
95 100
174 75.9 0.0 135.6
176 72.6 0.0 131.0

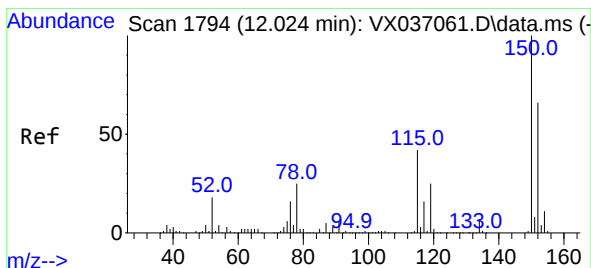
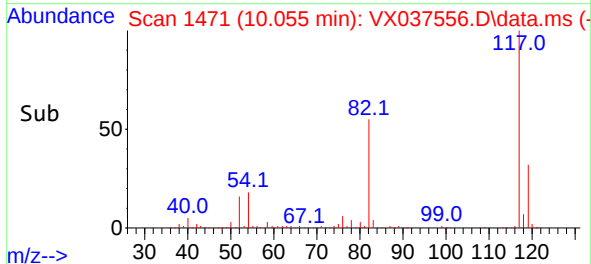
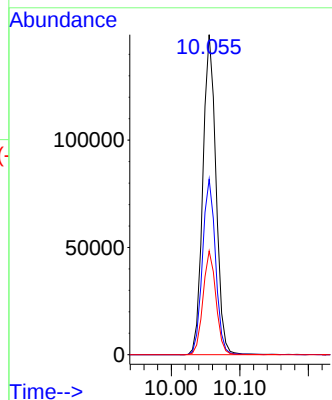
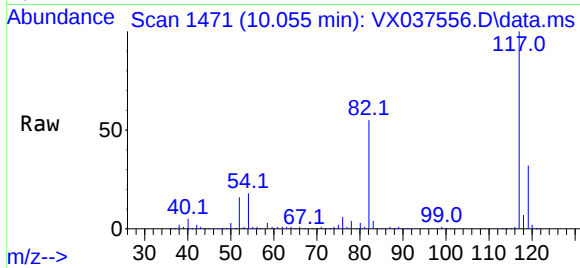




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

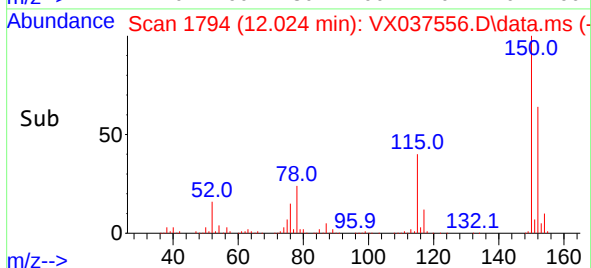
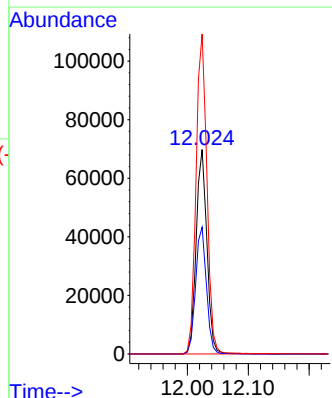
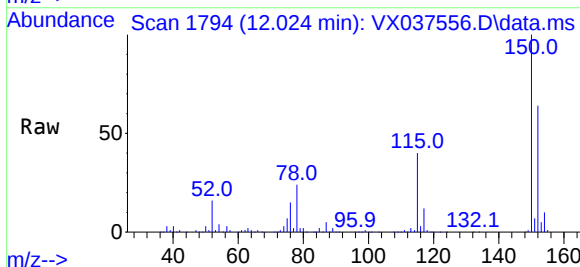
Instrument :
MSVOA_X
ClientSampleId :
MW-1

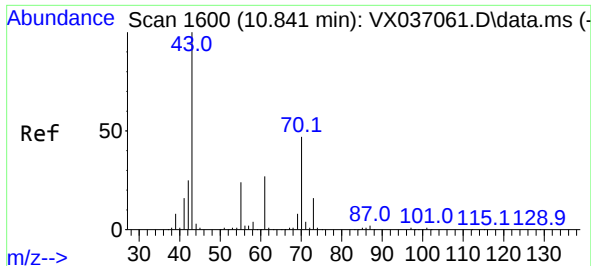
Tgt Ion:117 Resp: 199007
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion:152 Resp: 85362
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 158.2 0.0 345.0

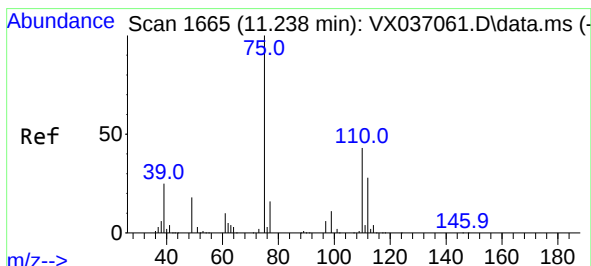
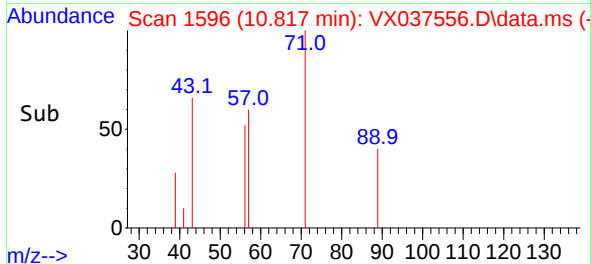
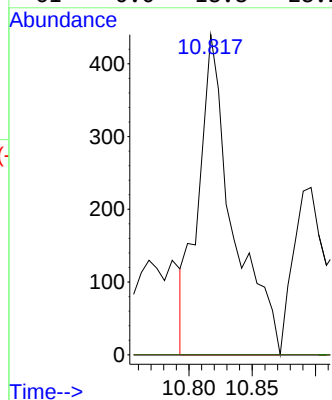
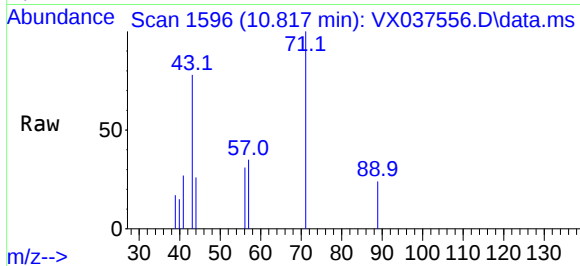




#74
N-amy1 acetate
Concen: 0.346 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

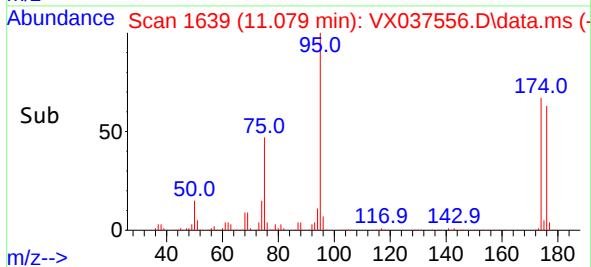
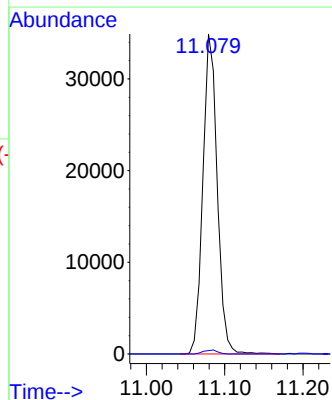
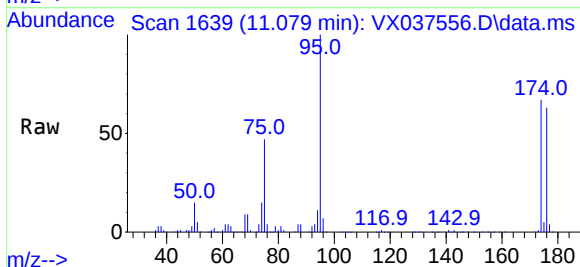
Instrument :
MSVOA_X
ClientSampleId :
MW-1

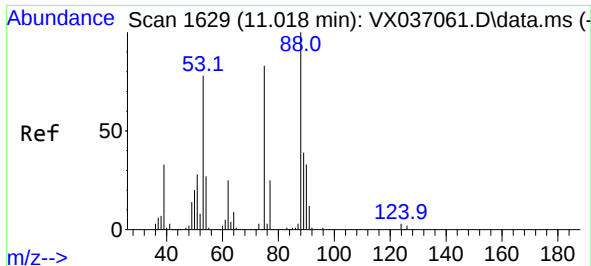
Tgt Ion: 43	Resp: 834
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 0.0	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037556.D
Acq: 06 Sep 2023 15:49

Tgt Ion: 75	Resp: 44317
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.088 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037556.D
 Acq: 06 Sep 2023 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Tgt Ion: 75 Resp: 44317
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

