

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037551.D
 Acq On : 06 Sep 2023 13:46
 Operator : JC/MD
 Sample : 04220-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW11

Quant Time: Sep 06 22:45:49 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

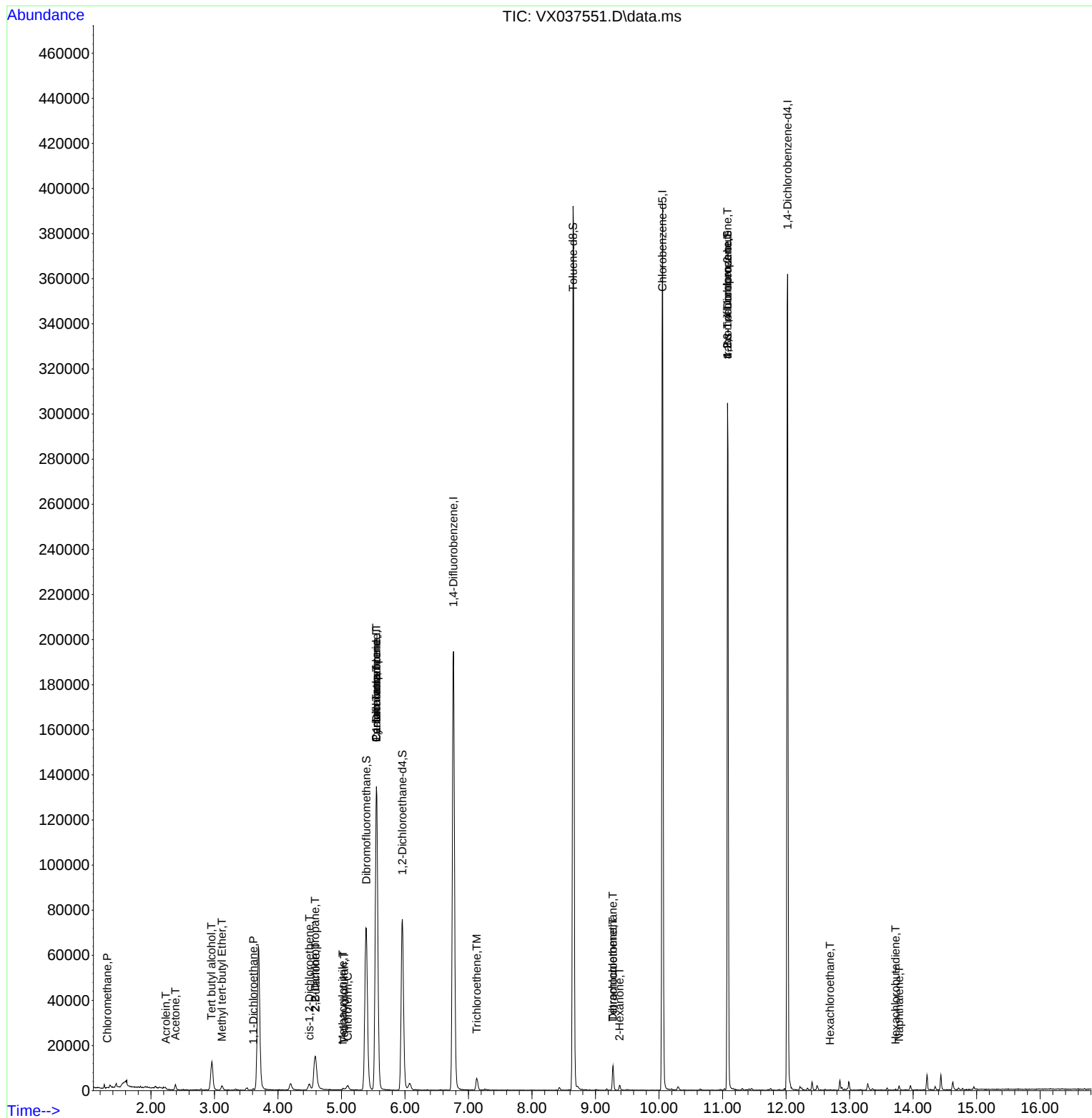
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	129922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74923	40.000	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	80.000%
35) Dibromofluoromethane	5.391	113	66265	46.912	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.820%
50) Toluene-d8	8.647	98	248428	48.485	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.960%
62) 4-Bromofluorobenzene	11.079	95	88355	43.879	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	390	0.295	ug/l #	43
11) Tert butyl alcohol	2.953	59	3942	8.972	ug/l #	91
13) Acrolein	2.233	56	128	0.383	ug/l #	1
16) Acetone	2.386	43	2457	3.353	ug/l #	79
19) Methyl tert-butyl Ether	3.117	73	2312	0.456	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	760	0.285	ug/l #	83
25) 2-Butanone	4.593	43	1939	1.757	ug/l #	77
26) 2,2-Dichloropropane	4.587	77	1361	0.572	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	1972	1.100	ug/l	77
29) Tetrahydrofuran	5.044	42	600	0.853	ug/l #	52
30) Chloroform	5.099	83	2657	0.889	ug/l	87
31) Cyclohexane	5.550	56	2223	1.056	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9783	4.875	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13265	6.085	ug/l #	14
41) Methacrylonitrile	5.019	41	218	0.205	ug/l #	51
44) Trichloroethene	7.129	130	2462	1.509	ug/l	90
59) 2-Hexanone	9.378	43	1599	1.061	ug/l #	26
60) Dibromochloromethane	9.275	129	2054	1.246	ug/l #	11
64) Tetrachloroethene	9.275	164	2089	1.516	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	41565	24.397	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41565	68.142	ug/l #	5
90) Hexachloroethane	12.695	117	175	0.225	ug/l #	17
94) Hexachlorobutadiene	13.725	225	176	0.299	ug/l #	54
95) Naphthalene	13.780	128	1630	0.244	ug/l #	91

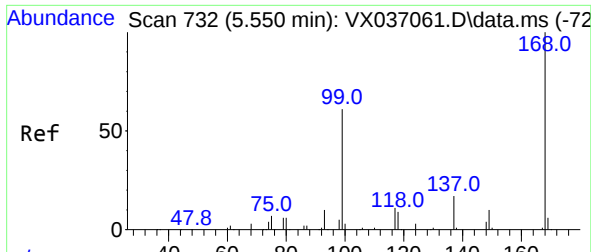
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
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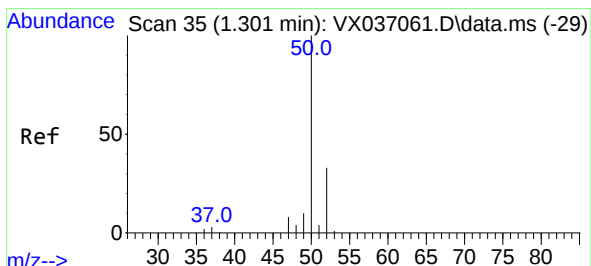
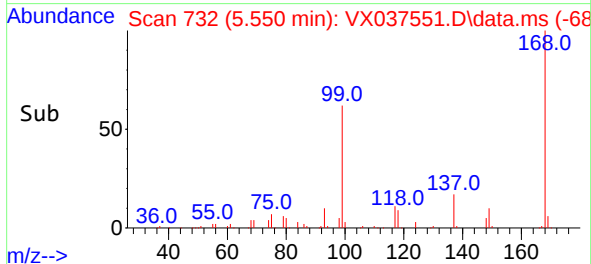
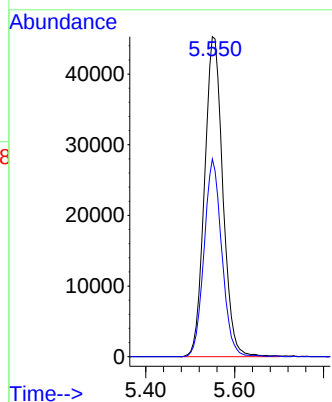
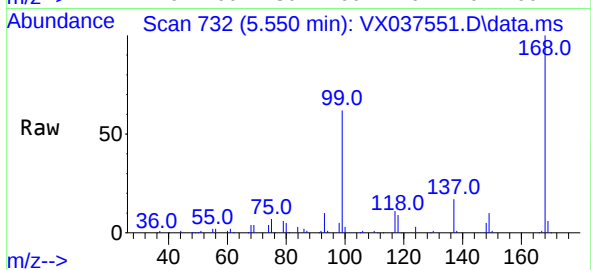




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

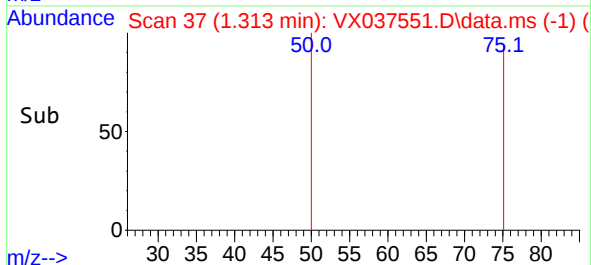
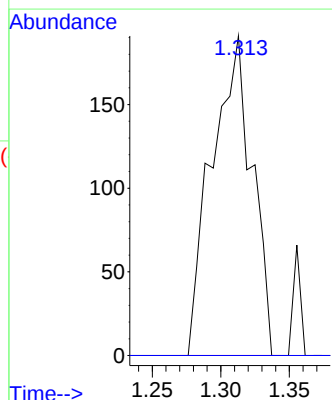
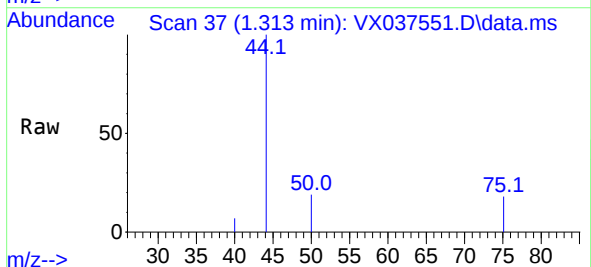
Instrument :
MSVOA_X
ClientSampleId :
MW11

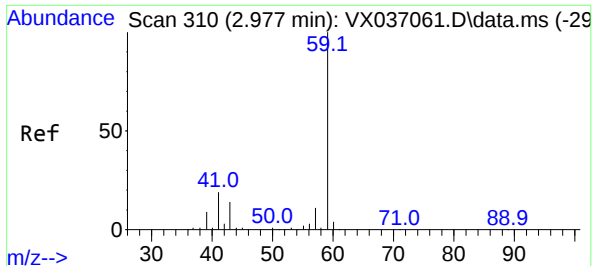
Tgt Ion:168 Resp: 129922
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

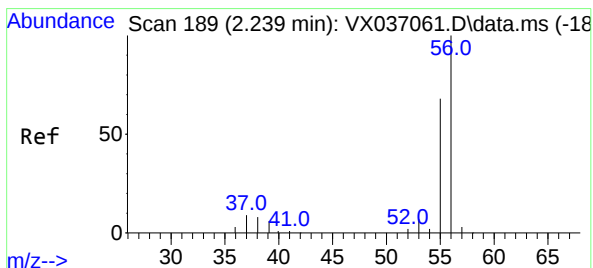
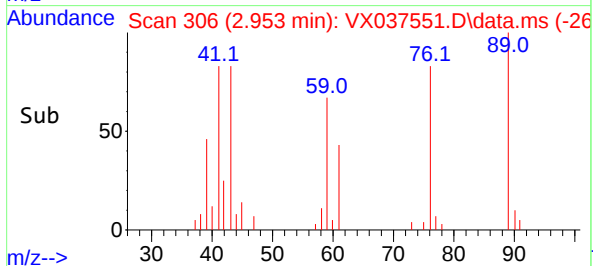
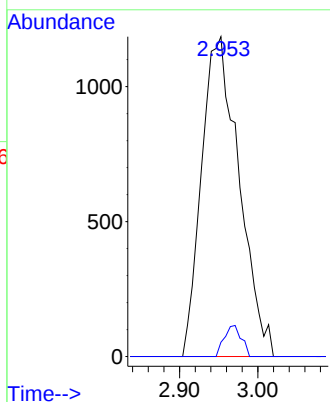
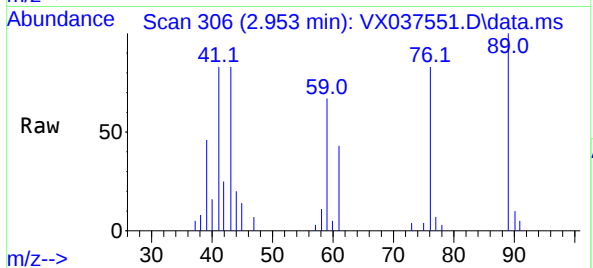




#11
Tert butyl alcohol
Concen: 8.972 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

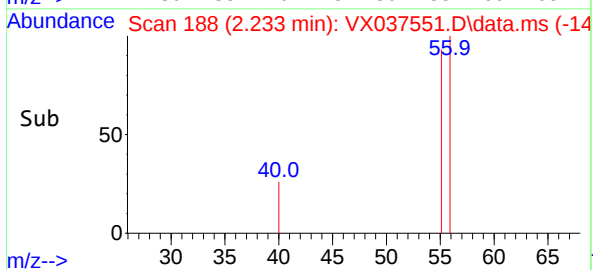
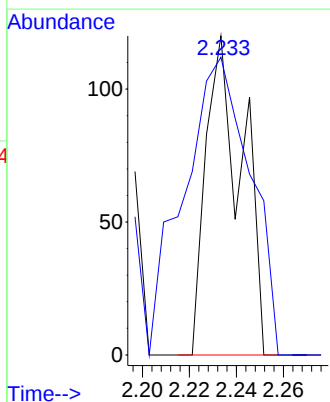
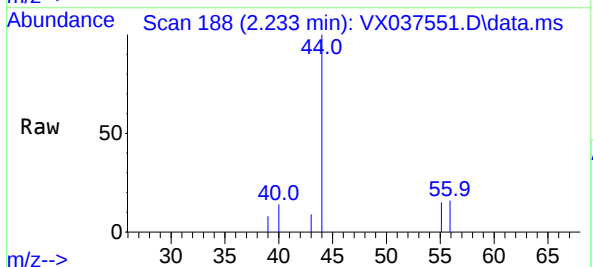
Instrument :
MSVOA_X
ClientSampleId :
MW11

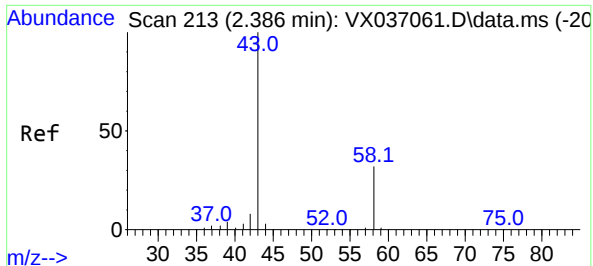
Tgt Ion: 59 Resp: 3942
Ion Ratio Lower Upper
59 100
57 4.5 6.0 9.0#



#13
Acrolein
Concen: 0.383 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 186.7 57.1 85.7#

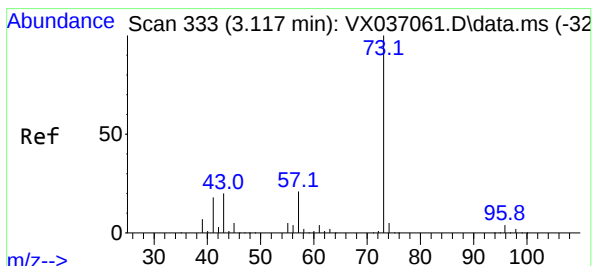
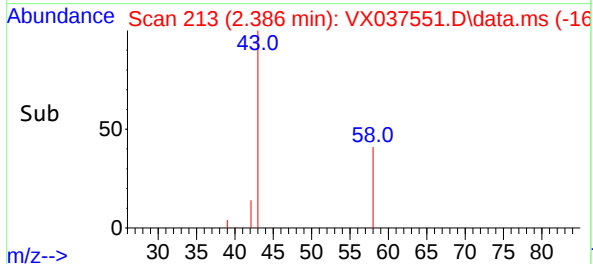
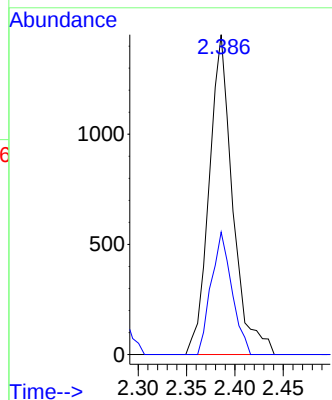
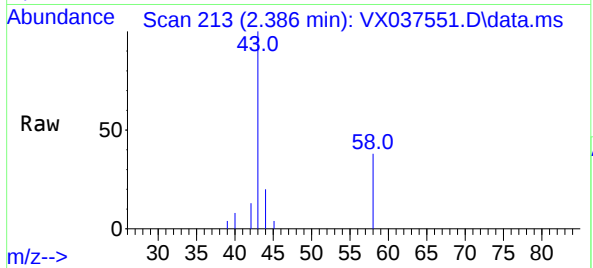




#16
Acetone
Concen: 3.353 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

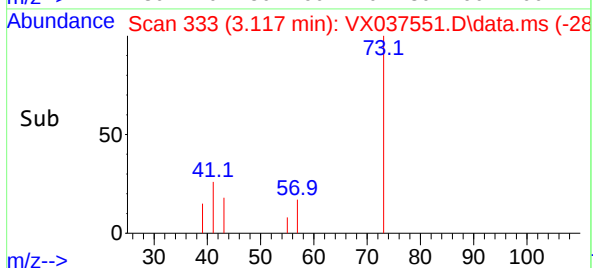
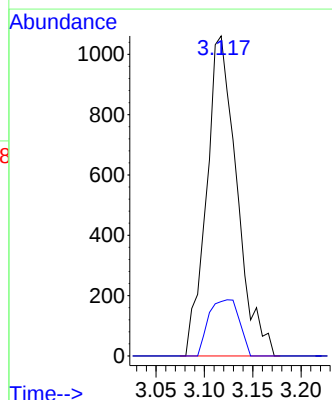
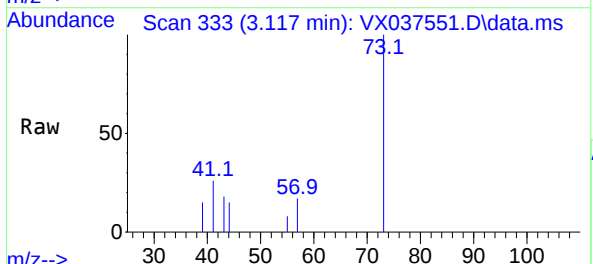
Instrument :
MSVOA_X
ClientSampleId :
MW11

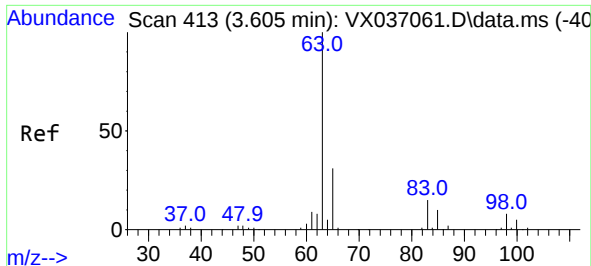
Tgt Ion: 43 Resp: 2457
Ion Ratio Lower Upper
43 100
58 38.3 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.456 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 73 Resp: 2312
Ion Ratio Lower Upper
73 100
57 17.0 17.3 25.9#

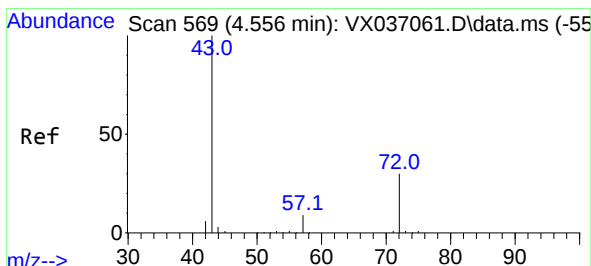
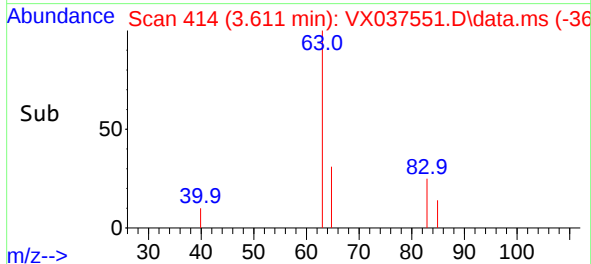
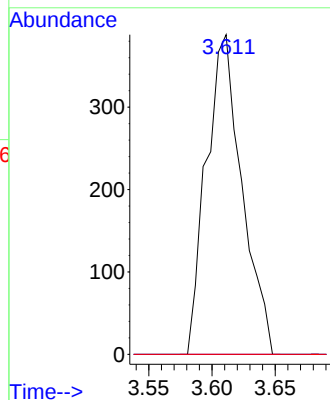
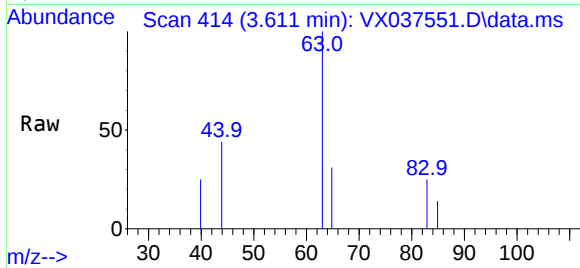




#24
1,1-Dichloroethane
Concen: 0.285 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

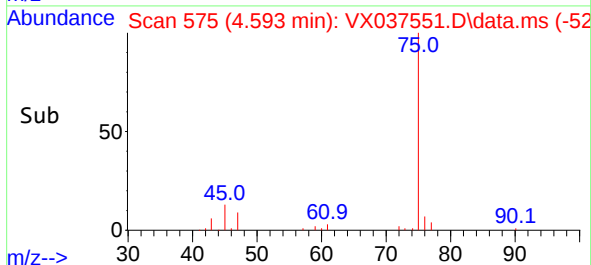
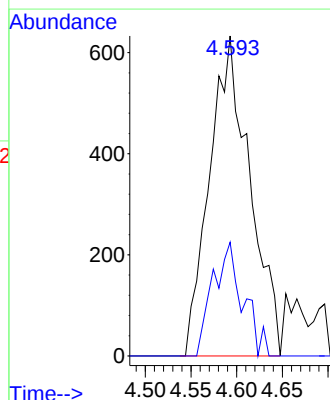
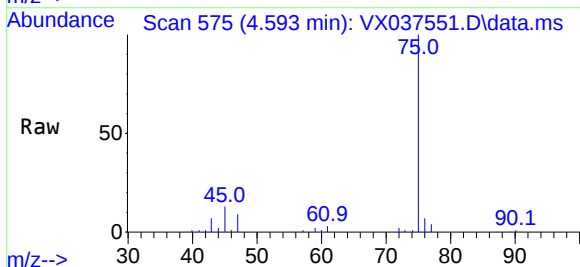
Instrument :
MSVOA_X
ClientSampleId :
MW11

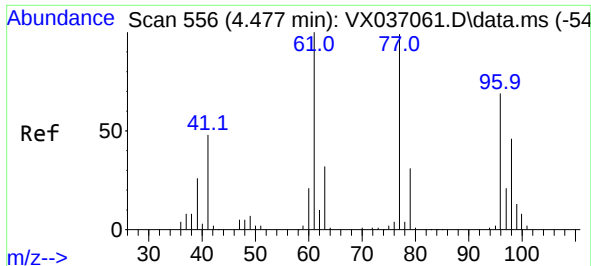
Tgt Ion: 63 Resp: 760
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 1.757 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
72 35.5 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 0.572 ug/l

RT: 4.587 min Scan# 5

Delta R.T. 0.110 min

Lab File: VX037551.D

Acq: 06 Sep 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

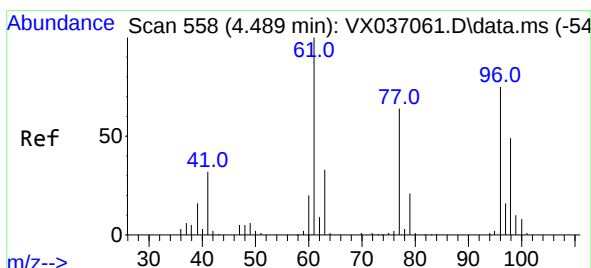
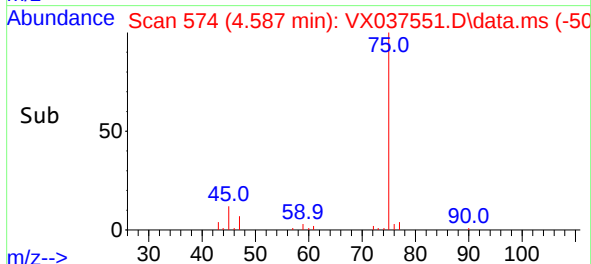
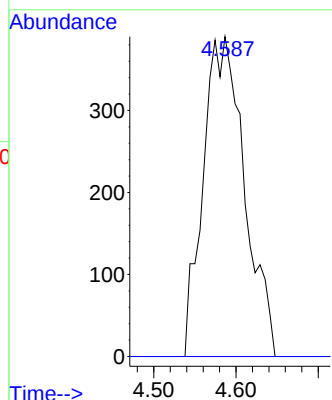
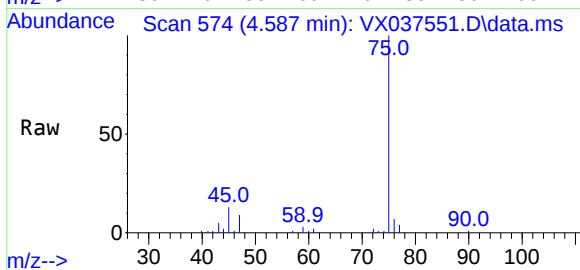
MW11

Tgt Ion: 77 Resp: 1361

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#27

cis-1,2-Dichloroethene

Concen: 1.100 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX037551.D

Acq: 06 Sep 2023 13:46

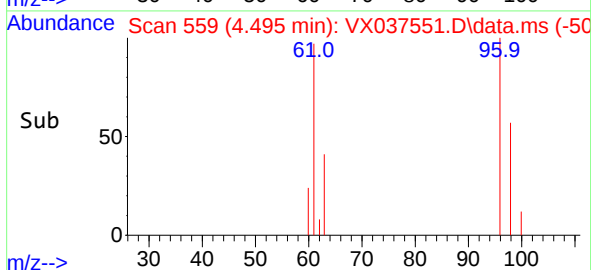
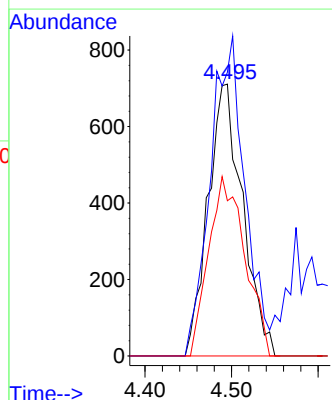
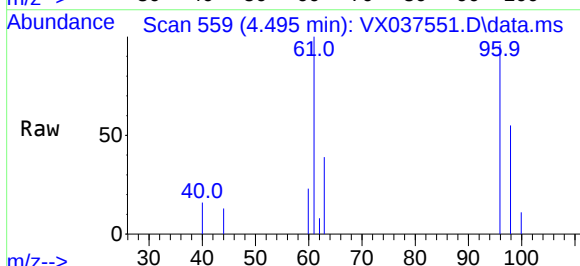
Tgt Ion: 96 Resp: 1972

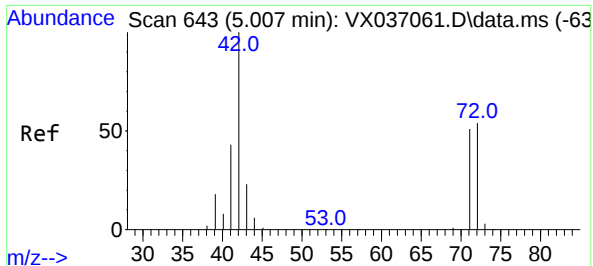
Ion Ratio Lower Upper

96 100

61 117.8 0.0 312.2

98 69.4 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.853 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX037551.D

Acq: 06 Sep 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

MW11

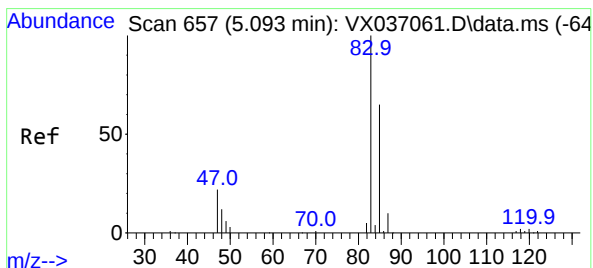
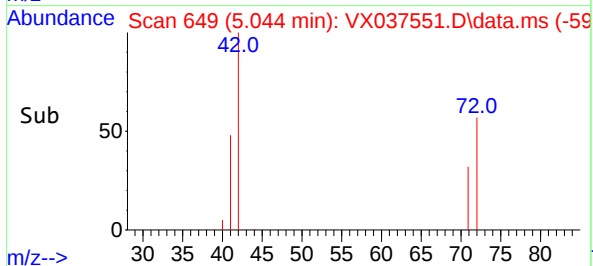
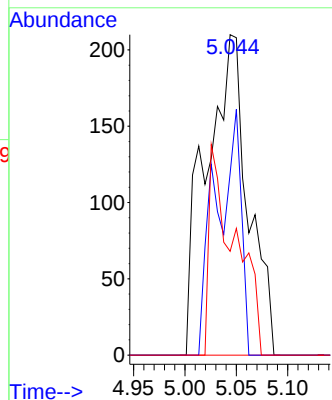
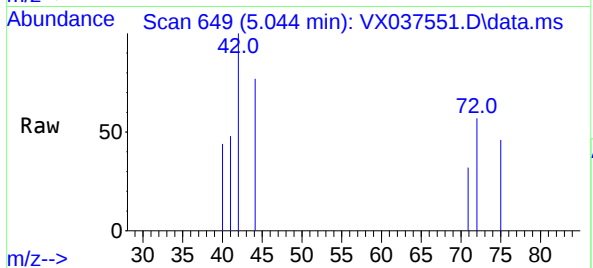
Tgt Ion: 42 Resp: 600

Ion Ratio Lower Upper

42 100

72 22.2 34.2 51.4#

71 0.0 32.2 48.2#



#30

Chloroform

Concen: 0.889 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037551.D

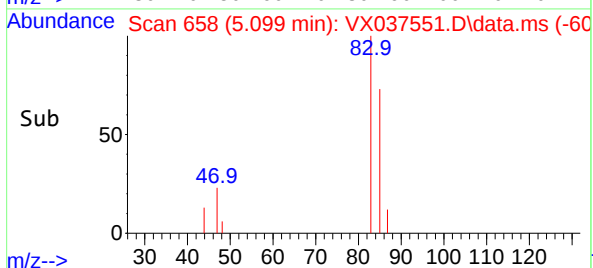
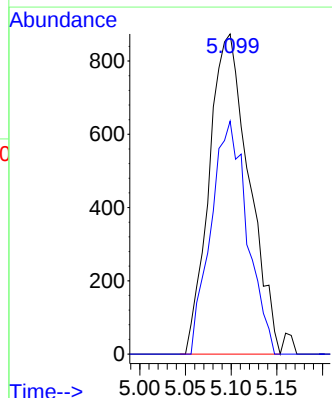
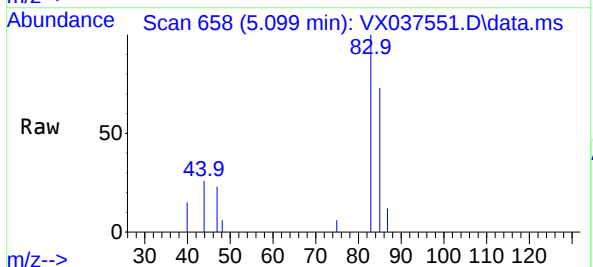
Acq: 06 Sep 2023 13:46

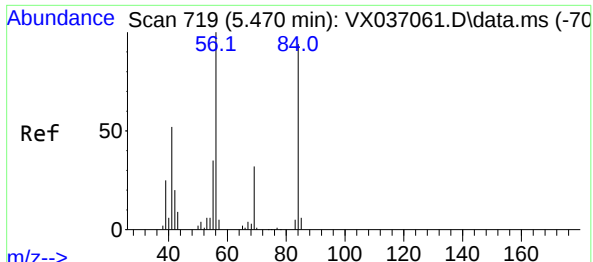
Tgt Ion: 83 Resp: 2657

Ion Ratio Lower Upper

83 100

85 72.8 50.3 75.5

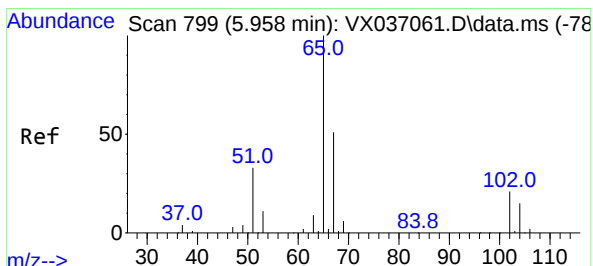
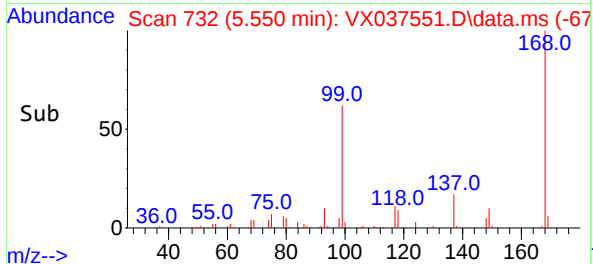
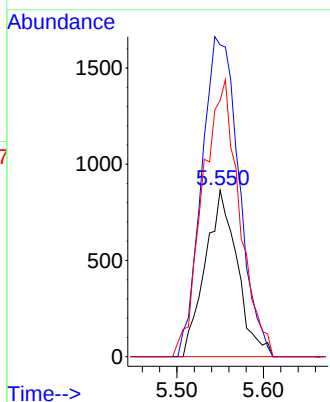
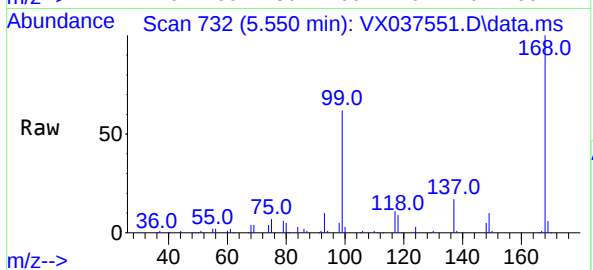




#31
Cyclohexane
Concen: 1.056 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

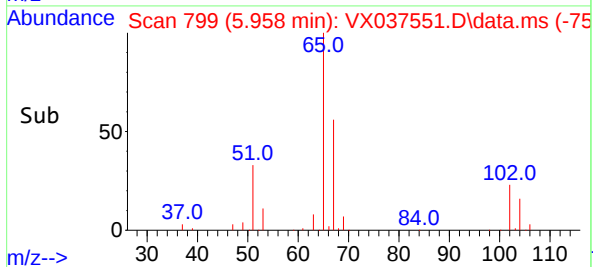
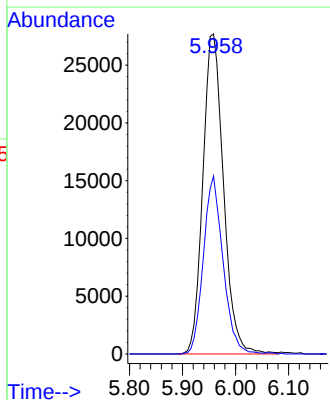
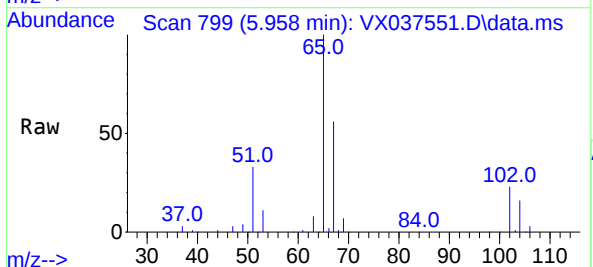
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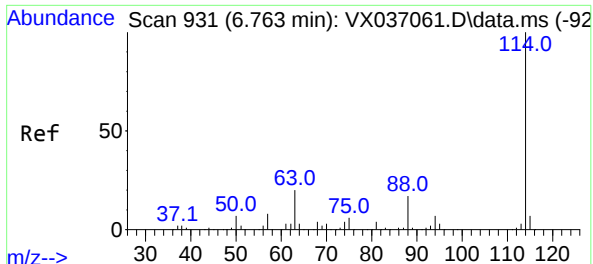
Tgt Ion: 56 Resp: 2223
Ion Ratio Lower Upper
56 100
69 187.4 23.4 35.2#
84 153.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 40.000 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 65 Resp: 74923
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

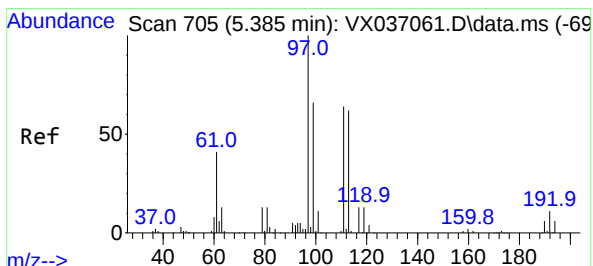
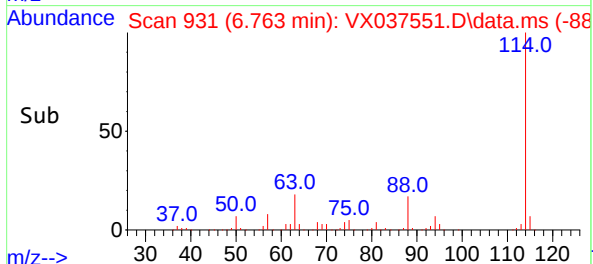
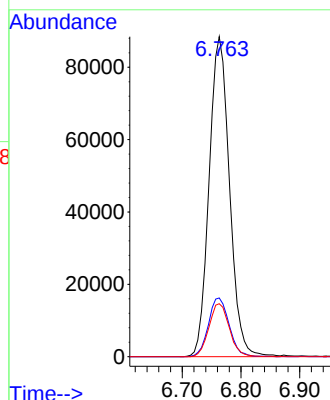
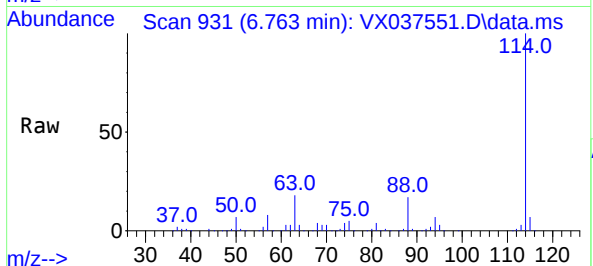




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

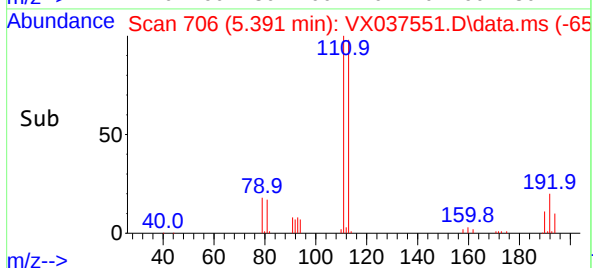
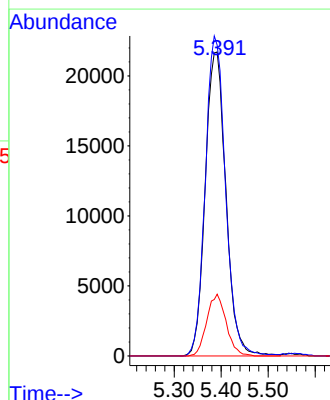
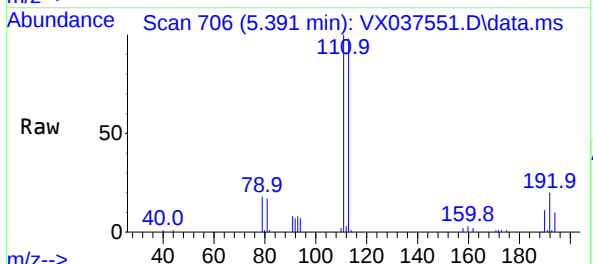
Instrument :
MSVOA_X
ClientSampleId :
MW11

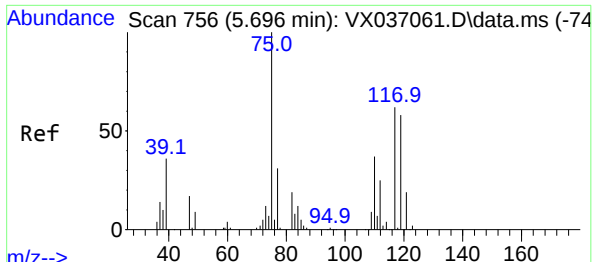
Tgt Ion:114 Resp: 213287
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.912 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion:113 Resp: 66265
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 19.1 13.3 19.9

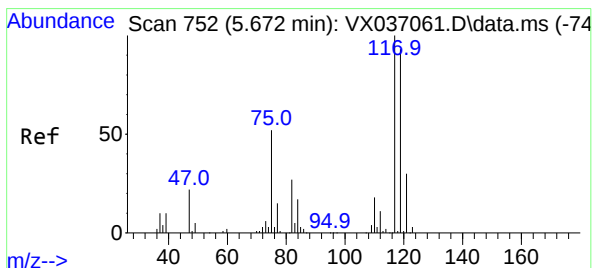
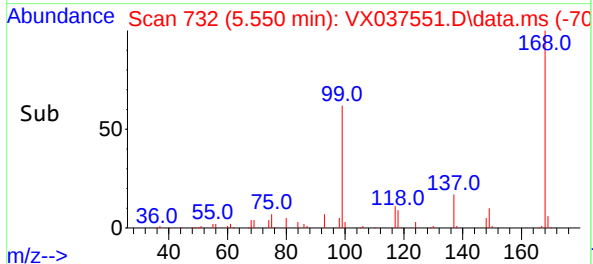
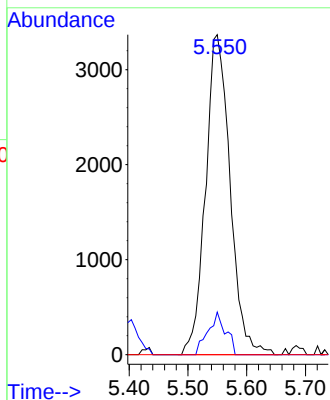
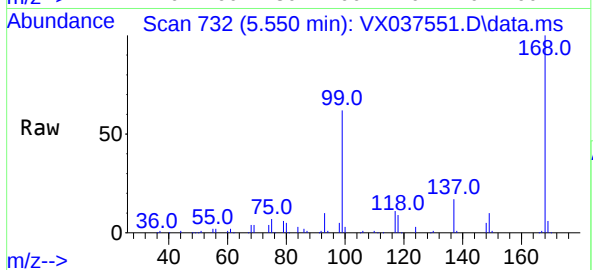




#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

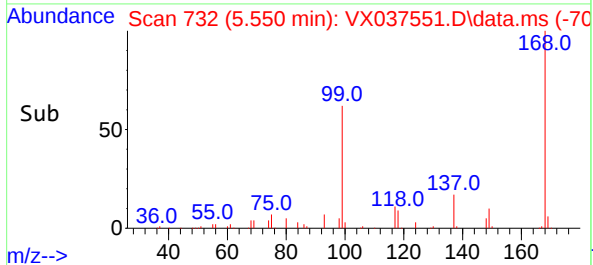
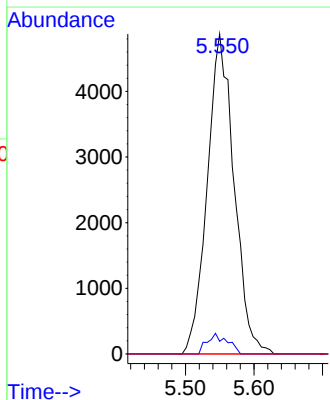
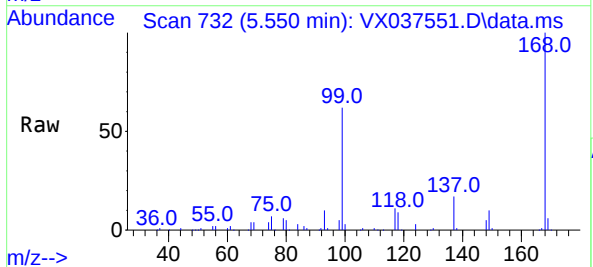
Instrument :
MSVOA_X
ClientSampleId :
MW11

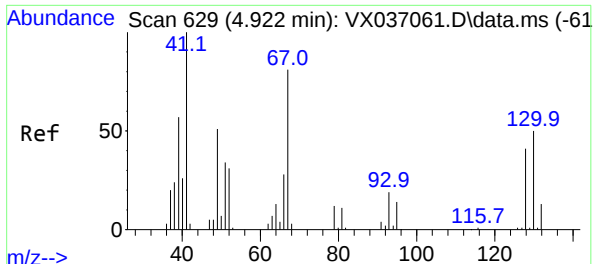
Tgt Ion: 75 Resp: 9783
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 117 Resp: 13265
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#

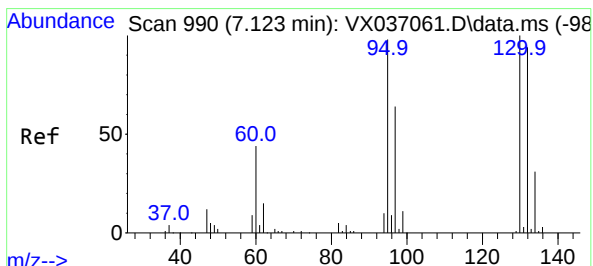
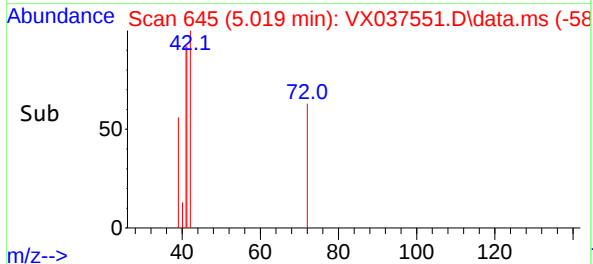
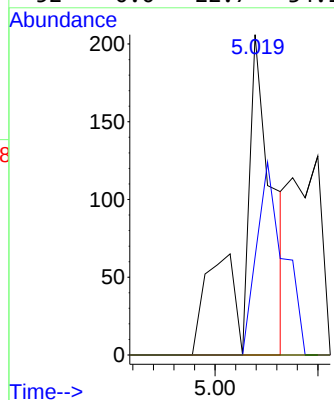
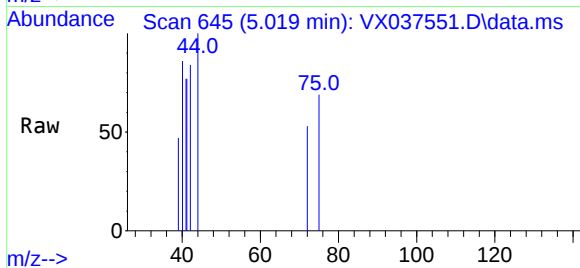




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 5.019 min Scan# 641
Delta R.T. 0.098 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

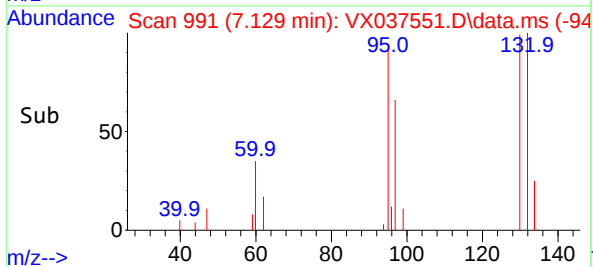
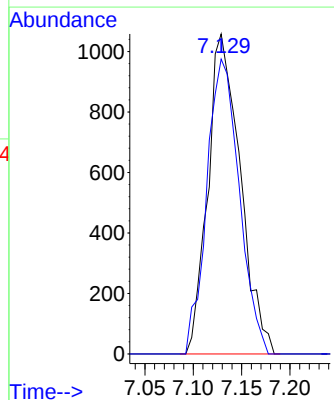
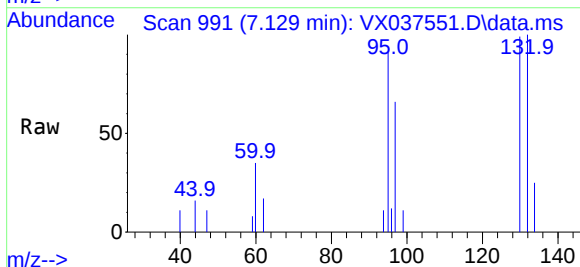
Instrument :
MSVOA_X
ClientSampleId :
MW11

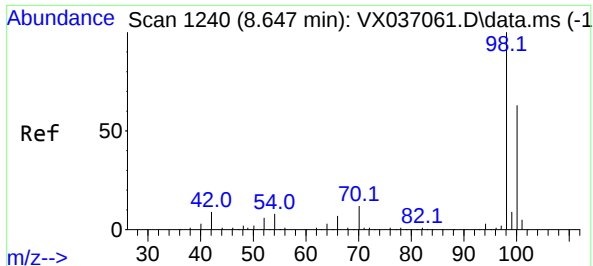
Tgt Ion: 41	Resp: 218
Ion Ratio	Lower Upper
41 100	
39 51.8	45.2 67.8
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#44
Trichloroethene
Concen: 1.509 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion:130	Resp:	2462	
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	204.4

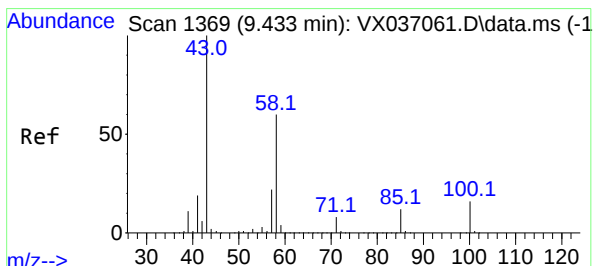
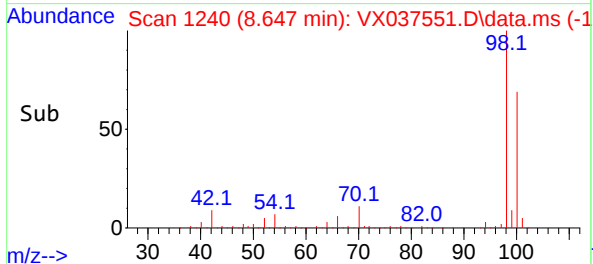
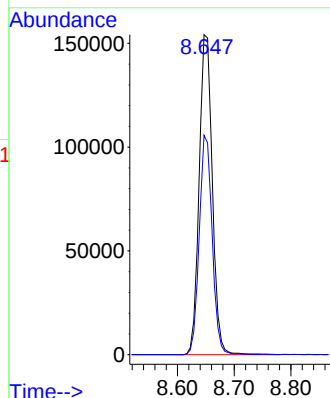
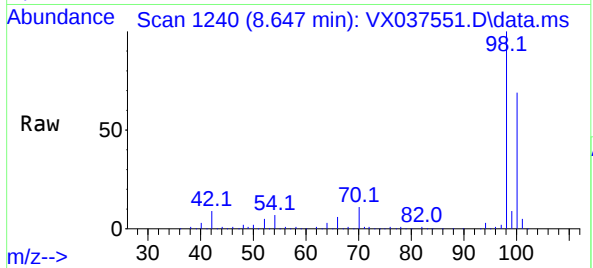




#50
Toluene-d8
Concen: 48.485 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

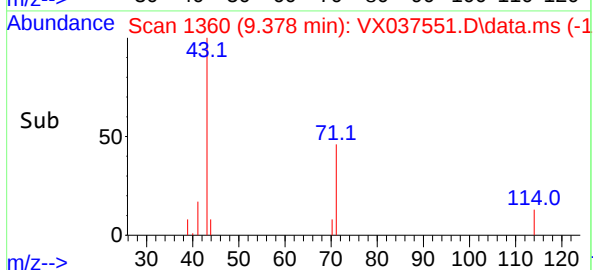
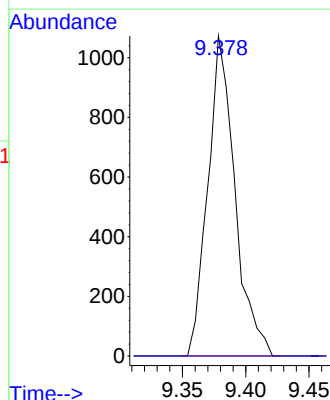
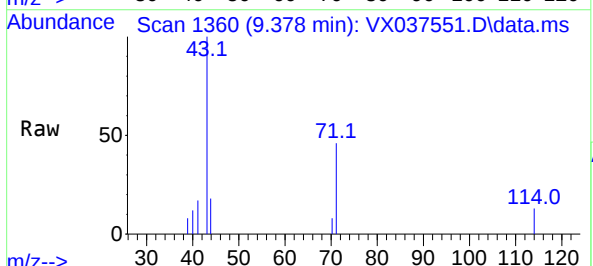
Instrument :
MSVOA_X
ClientSampleId :
MW11

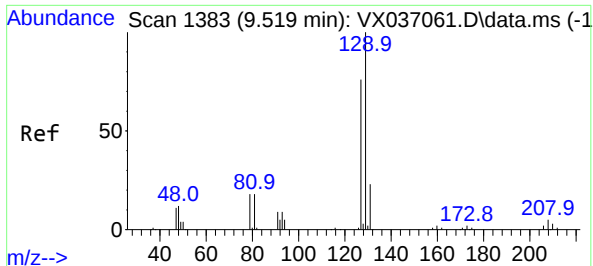
Tgt Ion: 98 Resp: 248428
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7



#59
2-Hexanone
Concen: 1.061 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

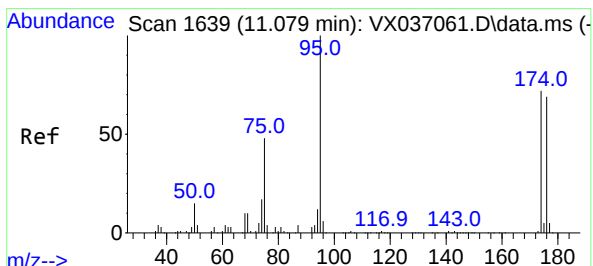
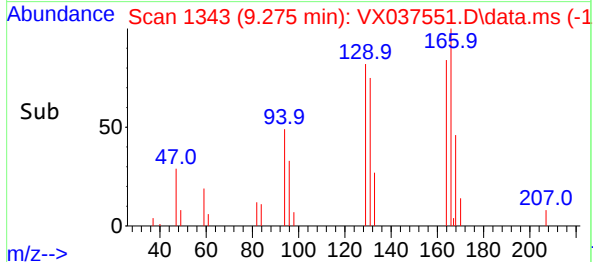
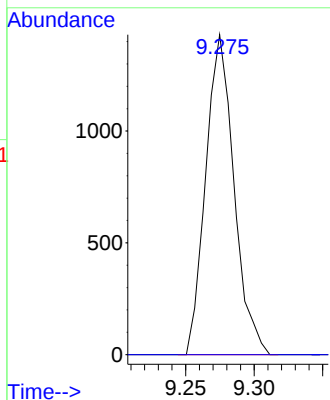
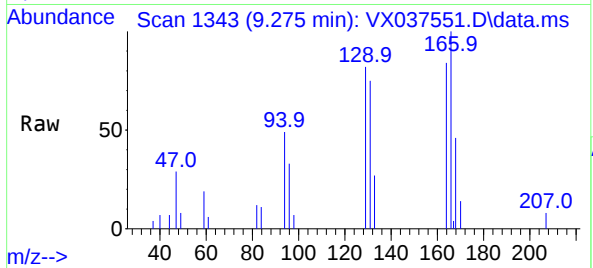




#60
Dibromochloromethane
Concen: 1.246 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

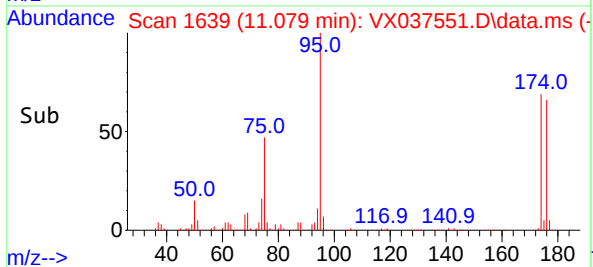
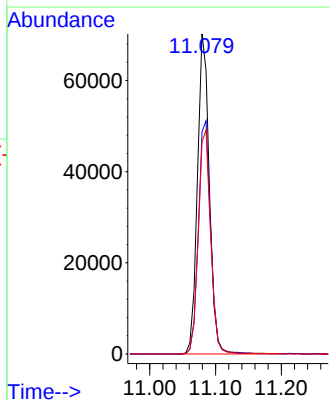
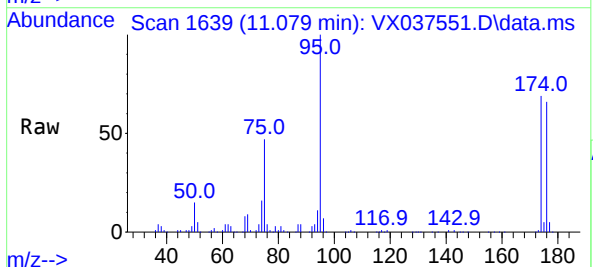
Instrument :
MSVOA_X
ClientSampleId :
MW11

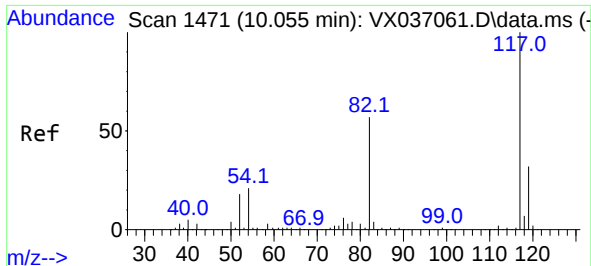
Tgt Ion:129 Resp: 2054
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.879 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 95 Resp: 88355
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 72.3 0.0 131.0

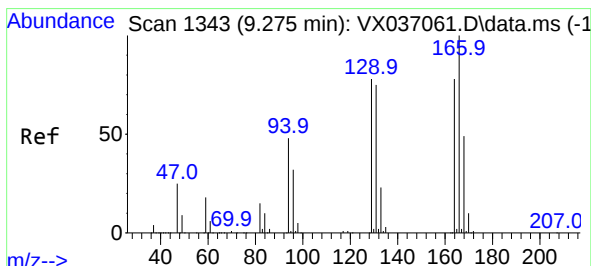
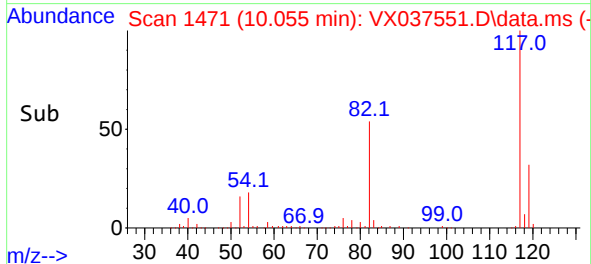
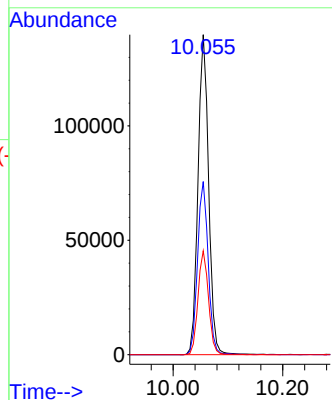
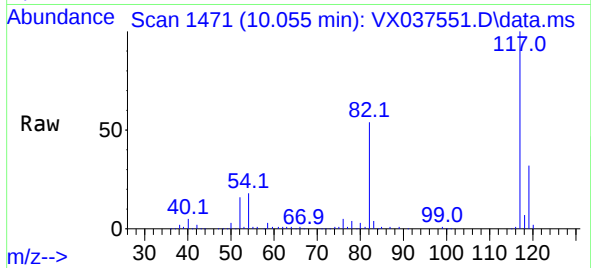




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

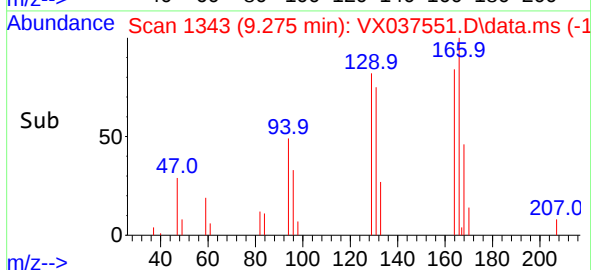
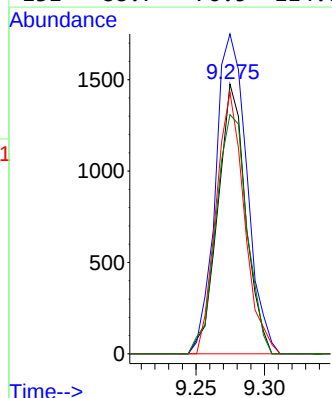
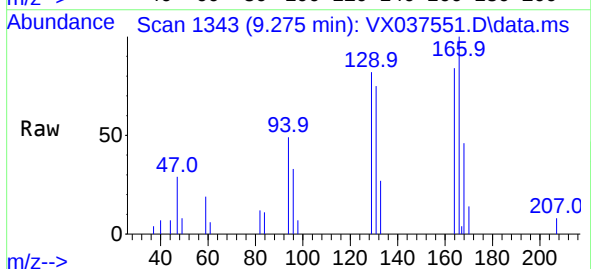
Instrument :
MSVOA_X
ClientSampleId :
MW11

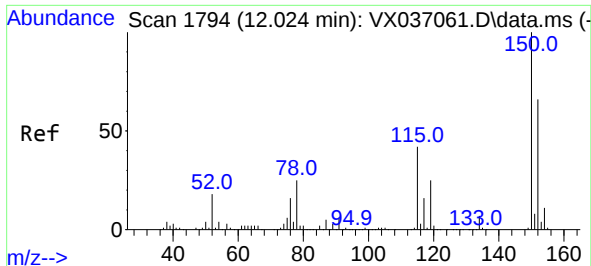
Tgt Ion:117 Resp: 188934
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 1.516 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion:164 Resp: 2089
Ion Ratio Lower Upper
164 100
166 118.6 102.7 154.1
129 97.0 80.4 120.6
131 88.7 76.5 114.7

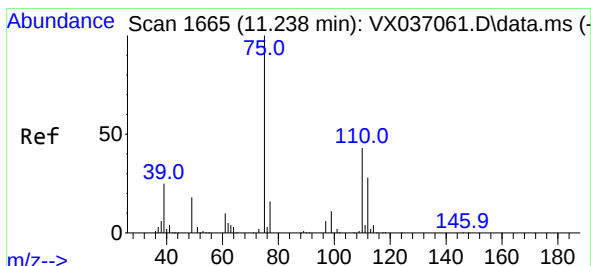
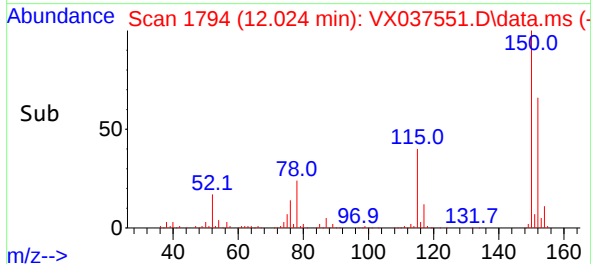
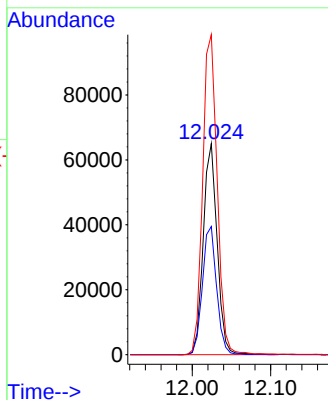
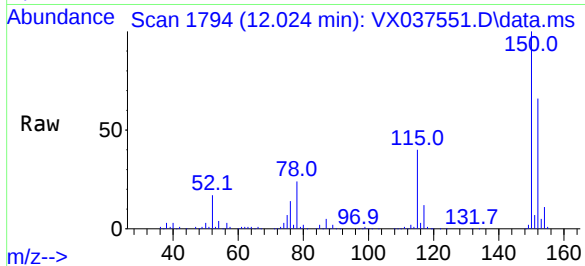




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

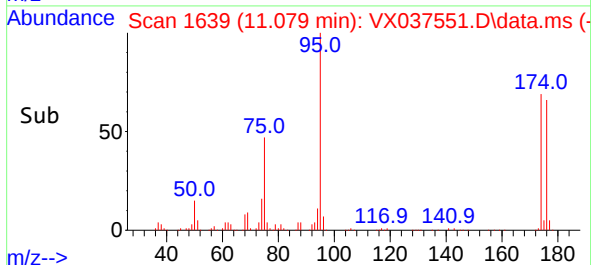
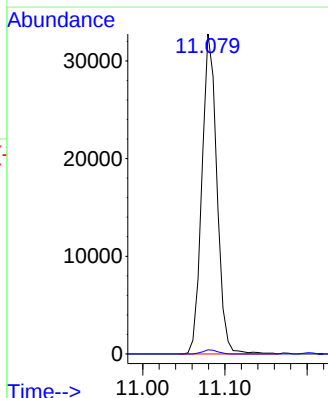
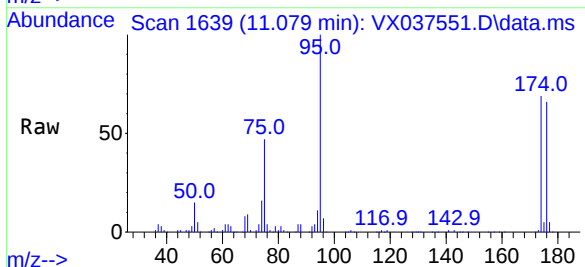
Instrument :
MSVOA_X
ClientSampleId :
MW11

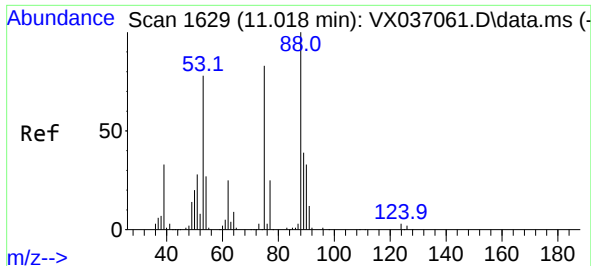
Tgt Ion:152 Resp: 79998
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 158.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 75 Resp: 41565
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

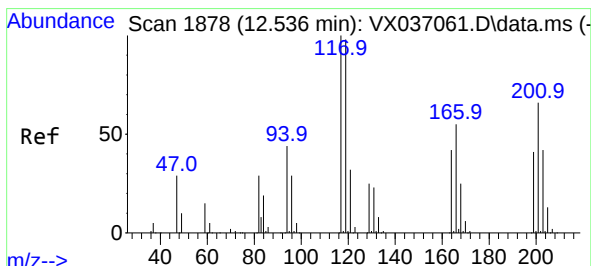
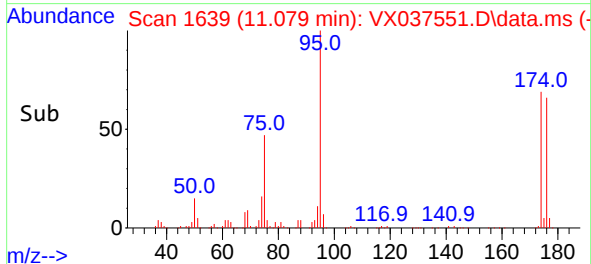
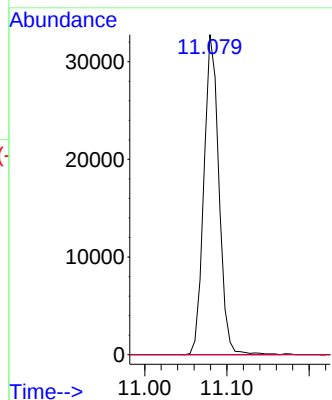
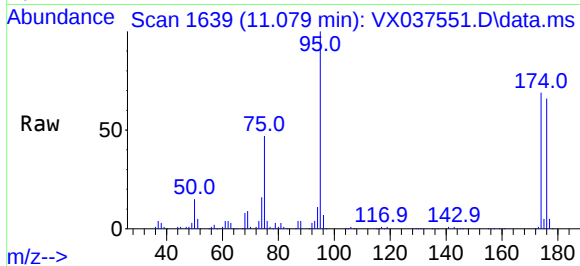




#81
trans-1,4-Dichloro-2-butene
Concen: 68.142 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

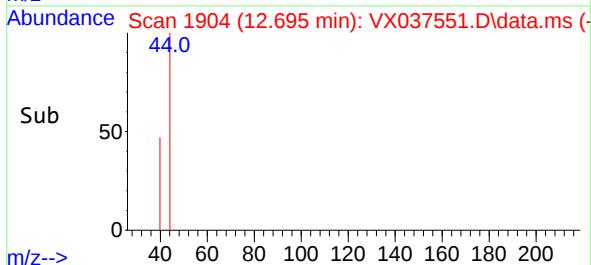
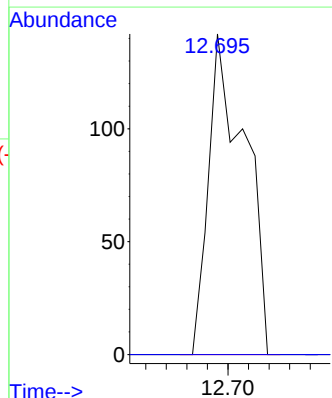
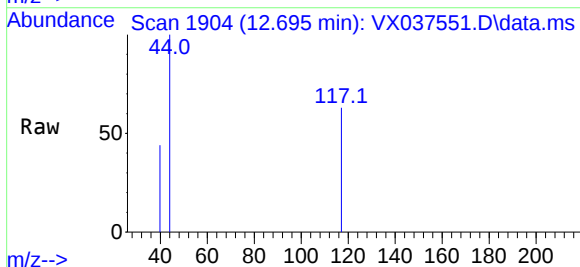
Instrument :
MSVOA_X
ClientSampleId :
MW11

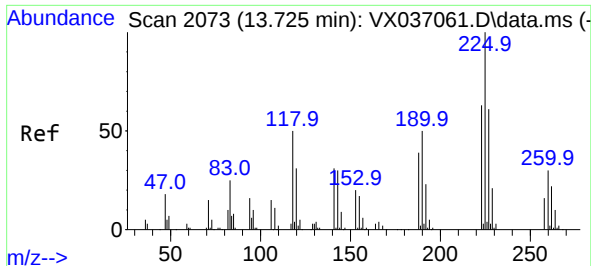
Tgt Ion: 75 Resp: 41565
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.225 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.159 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion: 117 Resp: 175
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

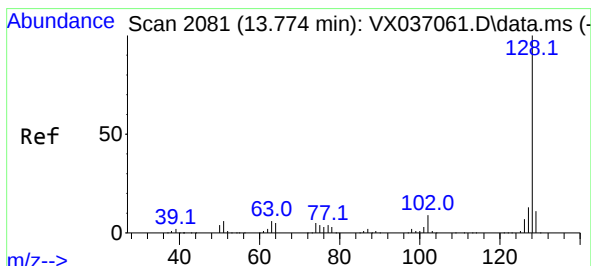
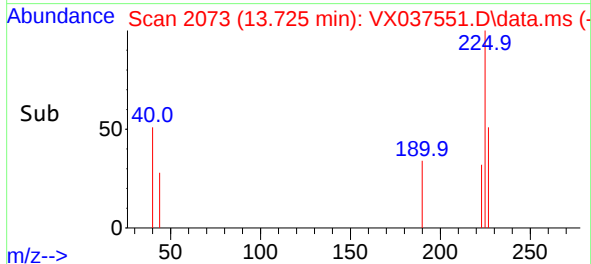
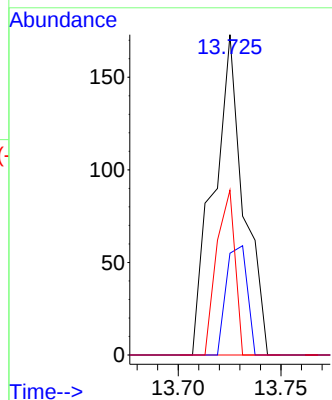
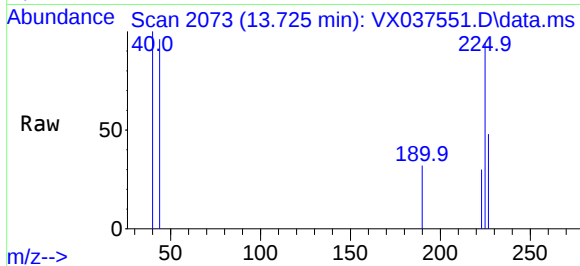




#94
Hexachlorobutadiene
Concen: 0.299 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Instrument :
MSVOA_X
ClientSampleId :
MW11

Tgt Ion:	225	Resp:	176
Ion	Ratio	Lower	Upper
225	100		
223	23.9	31.1	93.2#
227	31.3	32.5	97.5#



#95
Naphthalene
Concen: 0.244 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037551.D
Acq: 06 Sep 2023 13:46

Tgt Ion:	128	Resp:	1630
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.3	15.5#
129	7.9	8.8	13.2#

