

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037552.D
 Acq On : 06 Sep 2023 14:11
 Operator : JC/MD
 Sample : 04220-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW1R

Quant Time: Sep 06 22:46:01 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

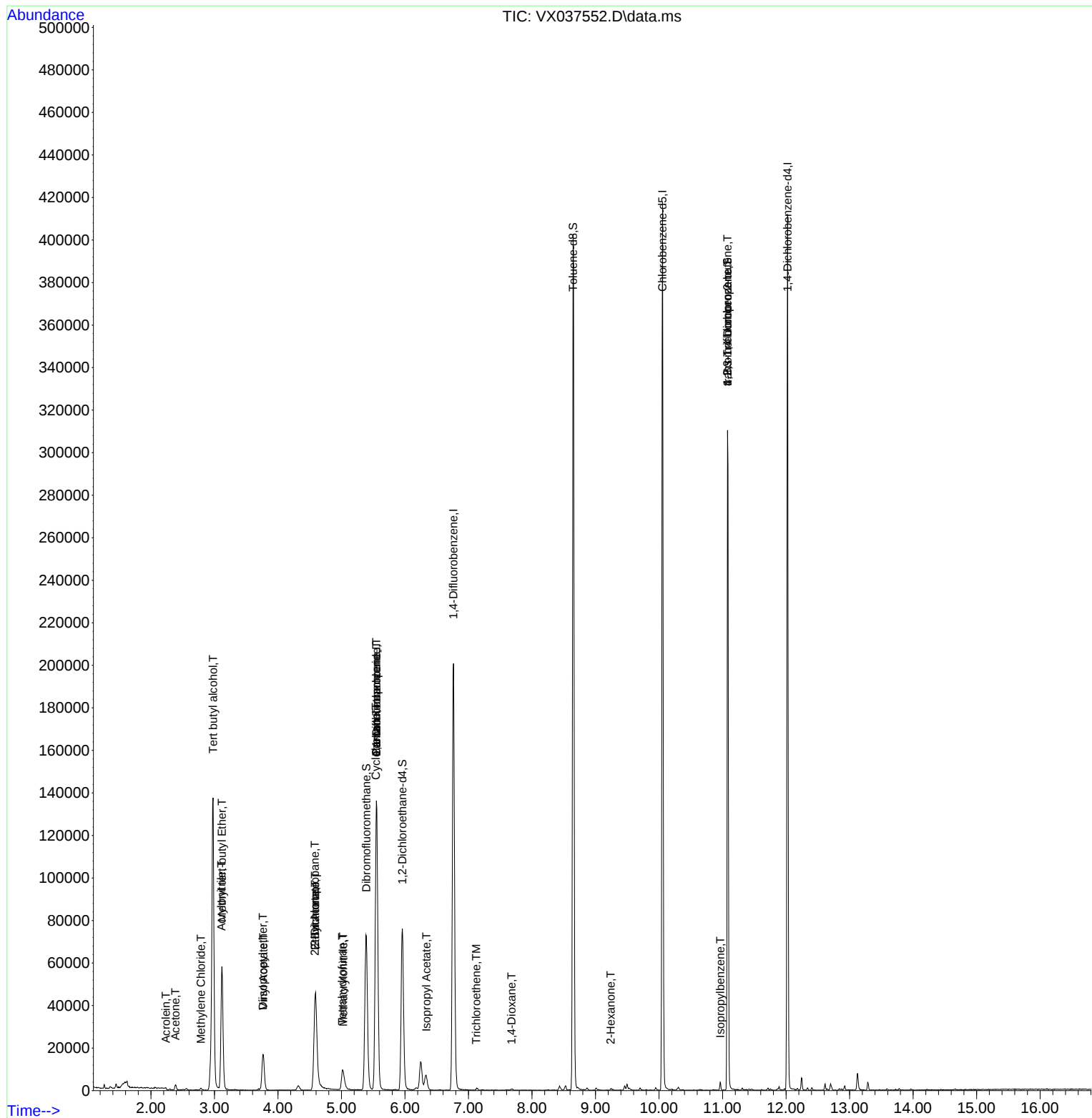
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	132754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75409	39.401	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	78.800%		
35) Dibromofluoromethane	5.391	113	66193	45.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.960%		
50) Toluene-d8	8.647	98	254949	48.824	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.640%		
62) 4-Bromofluorobenzene	11.079	95	92292	44.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	174302	388.240	ug/l #	93
13) Acrolein	2.233	56	110	0.322	ug/l #	21
15) Acrylonitrile	3.111	53	677	0.845	ug/l #	23
16) Acetone	2.386	43	2699	3.605	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	68990	13.311	ug/l	96
20) Methylene Chloride	2.788	84	501	0.299	ug/l #	79
22) Diisopropyl ether	3.764	45	18309	4.218	ug/l #	67
23) Vinyl Acetate	3.770	43	9069	2.727	ug/l #	73
25) 2-Butanone	4.587	43	3171	2.813	ug/l #	82
26) 2,2-Dichloropropane	4.580	77	4031	1.658	ug/l #	54
29) Tetrahydrofuran	5.013	42	9033	12.564	ug/l #	83
31) Cyclohexane	5.544	56	2347	1.091	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9904	4.843	ug/l #	50
37) Ethyl Acetate	4.587	43	3171	1.518	ug/l #	5
38) Carbon Tetrachloride	5.550	117	13824	6.222	ug/l #	15
41) Methacrylonitrile	5.026	41	5187	4.776	ug/l #	47
43) Isopropyl Acetate	6.336	43	2669	0.805	ug/l #	12
44) Trichloroethene	7.123	130	405	0.243	ug/l	75
49) 1,4-Dioxane	7.678	88	350	8.034	ug/l #	48
59) 2-Hexanone	9.238	43	566	0.369	ug/l	67
73) Isopropylbenzene	10.963	105	2104	0.338	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	43896	24.046	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43896	67.160	ug/l #	5

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

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MW1R

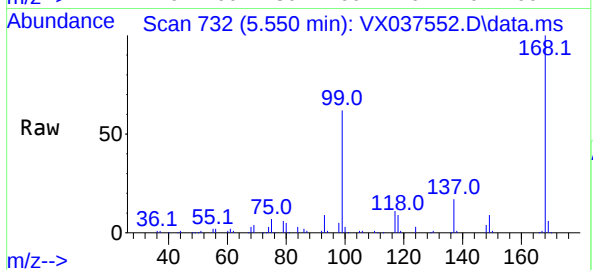
Quant Time: Sep 06 22:46:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



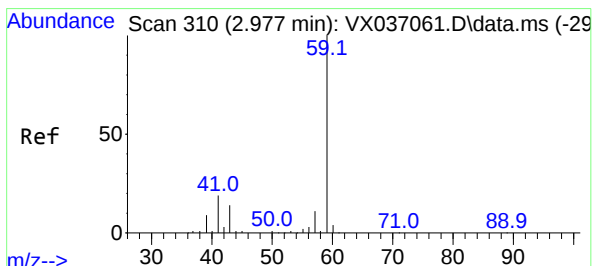
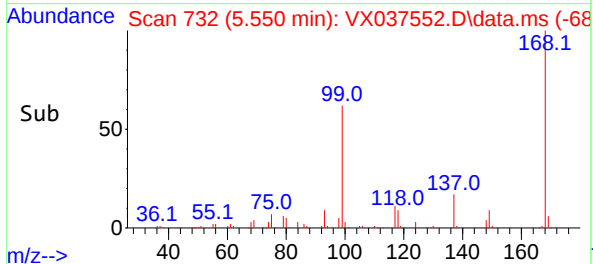
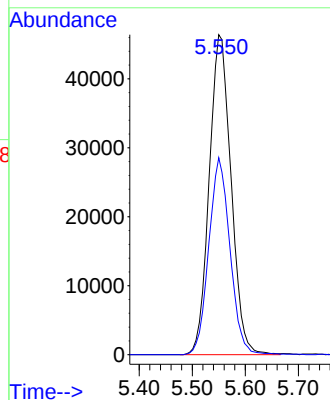


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
MW1R

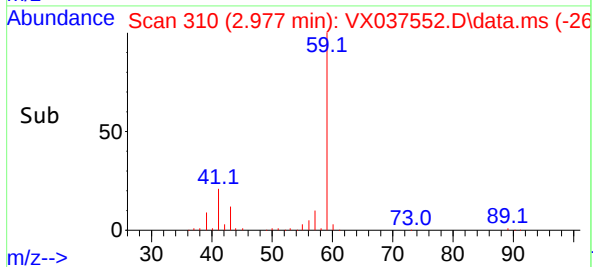
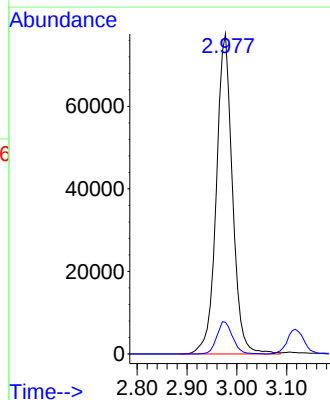
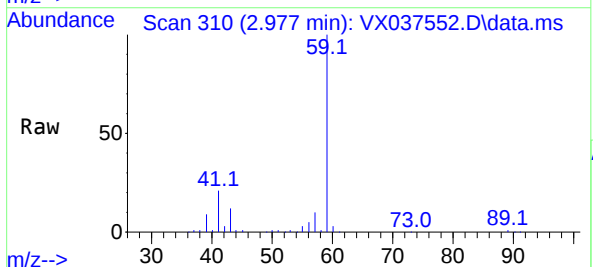


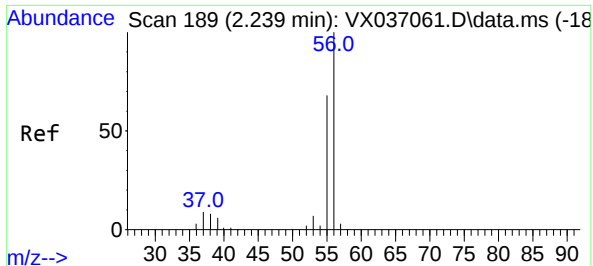
Tgt Ion:168 Resp: 132754
Ion Ratio Lower Upper
168 100
99 61.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 388.240 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 59 Resp: 174302
Ion Ratio Lower Upper
59 100
57 9.9 6.0 9.0#

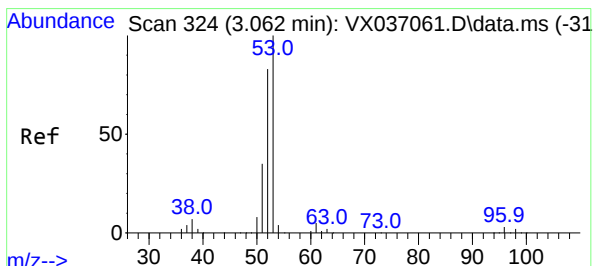
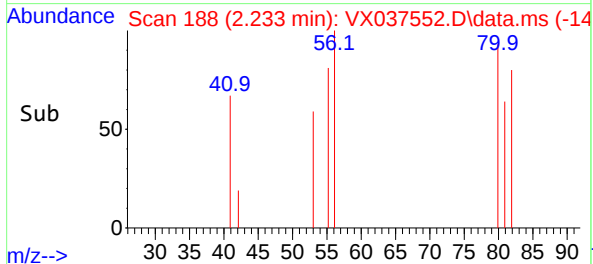
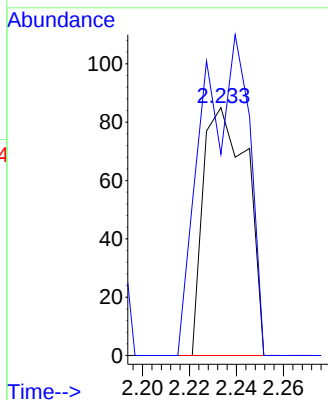
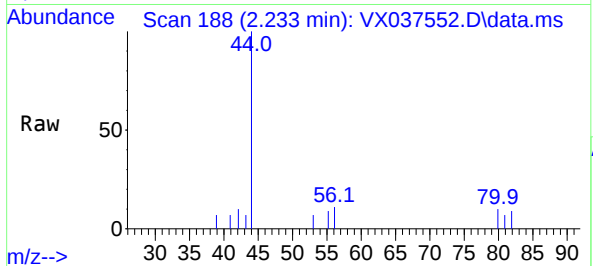




#13
Acrolein
Concen: 0.322 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

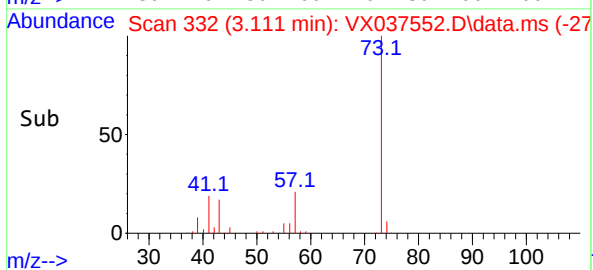
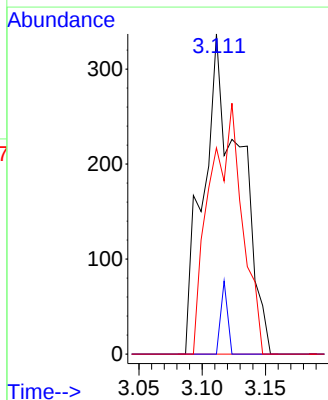
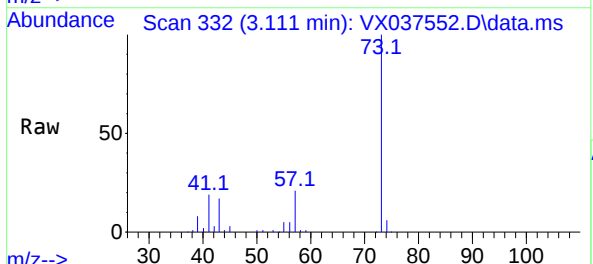
Instrument :
MSVOA_X
ClientSampleId :
MW1R

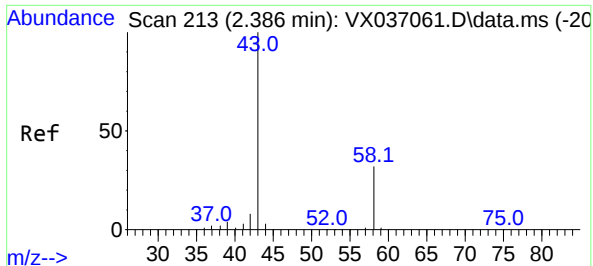
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 137.3 57.1 85.7#



#15
Acrylonitrile
Concen: 0.845 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.049 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 53 Resp: 677
Ion Ratio Lower Upper
53 100
52 4.1 66.0 99.0#
51 69.6 29.8 44.6#

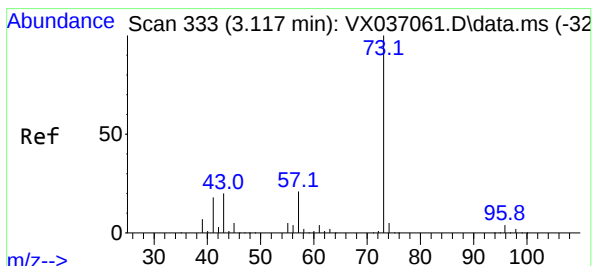
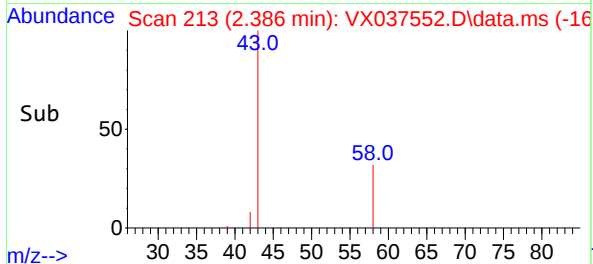
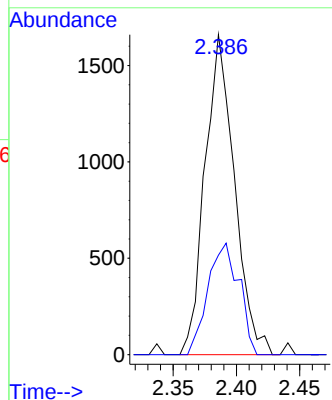
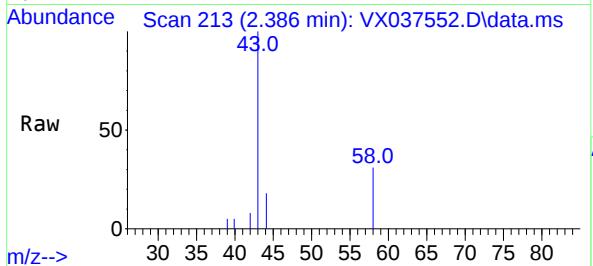




#16
Acetone
Concen: 3.605 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

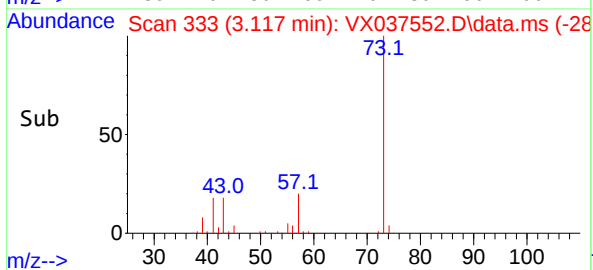
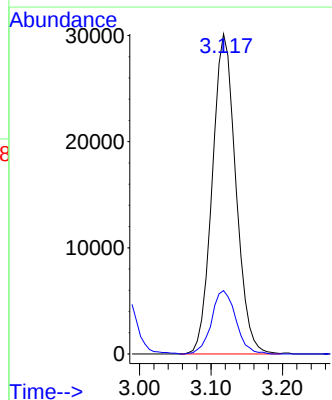
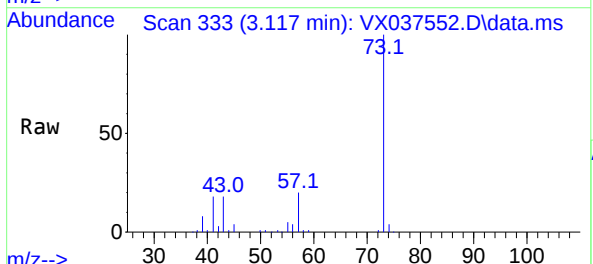
Instrument :
MSVOA_X
ClientSampleId :
MW1R

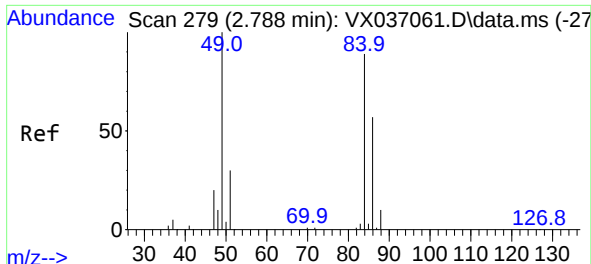
Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 13.311 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 73 Resp: 68990
Ion Ratio Lower Upper
73 100
57 19.8 17.3 25.9



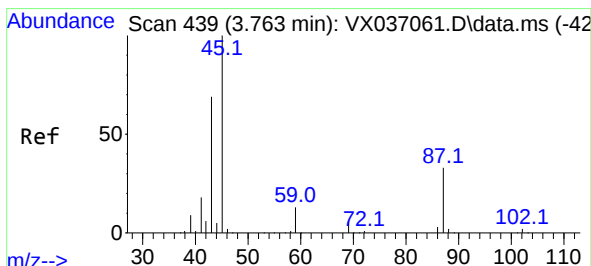
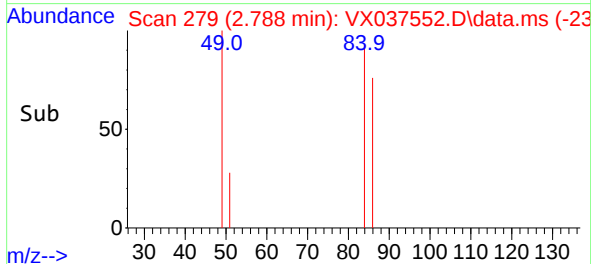
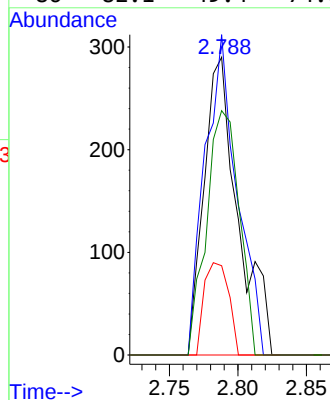
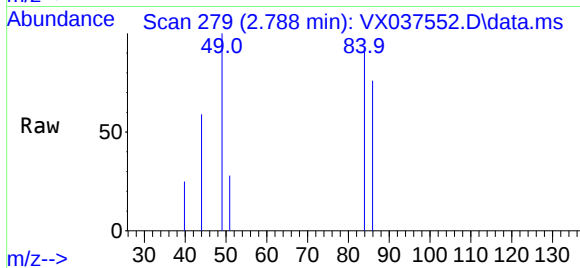


#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
MW1R

Tgt Ion: 84 Resp: 501

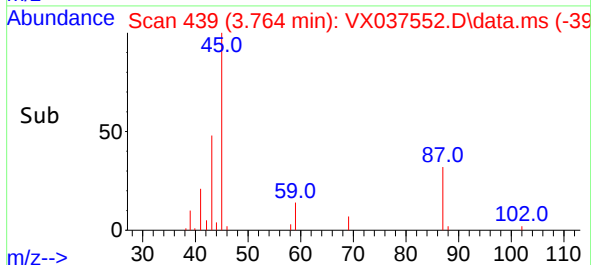
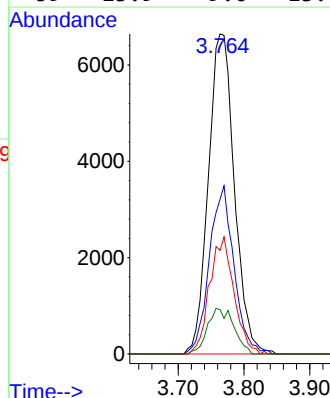
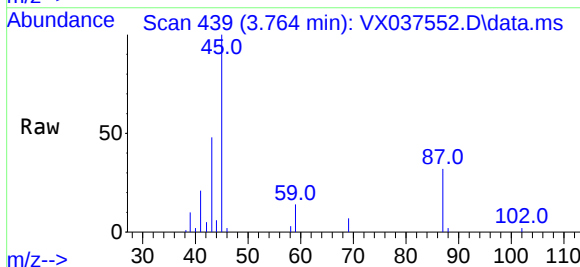
Ion	Ratio	Lower	Upper
84	100		
49	107.6	103.6	155.4
51	30.0	33.8	50.6#
86	82.1	49.4	74.0#

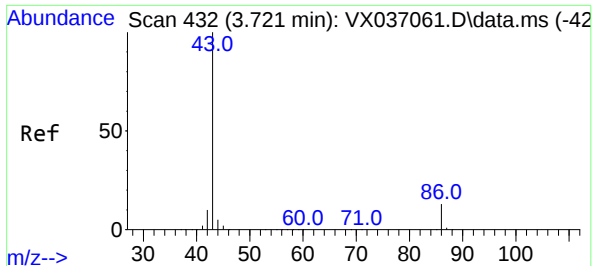


#22
Diisopropyl ether
Concen: 4.218 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 45 Resp: 18309

Ion	Ratio	Lower	Upper
45	100		
43	48.3	69.7	104.5#
87	32.3	20.8	31.2#
59	13.9	9.0	13.4#

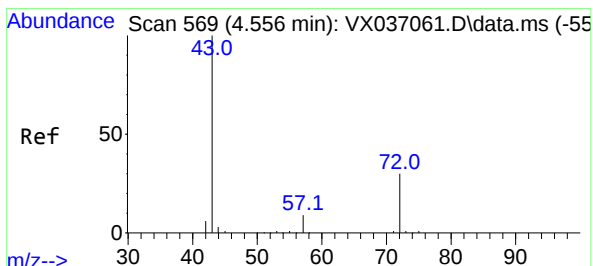
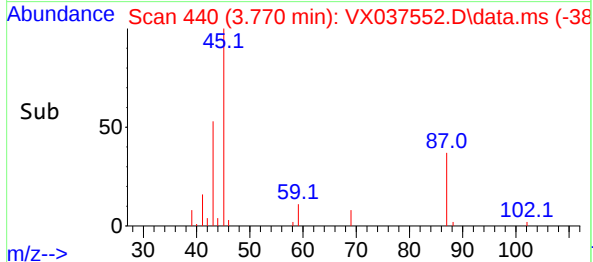
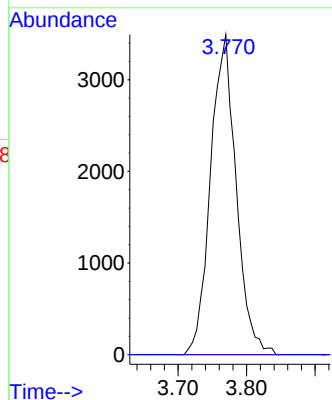
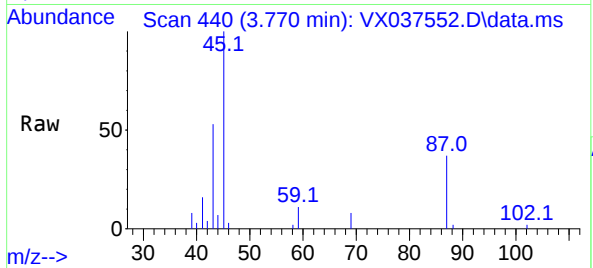




#23
Vinyl Acetate
Concen: 2.727 ug/l
RT: 3.770 min Scan# 44
Delta R.T. 0.049 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

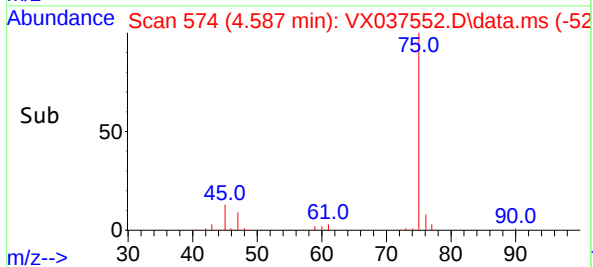
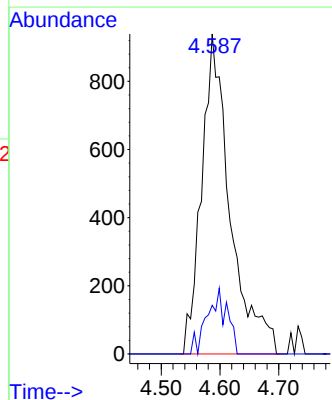
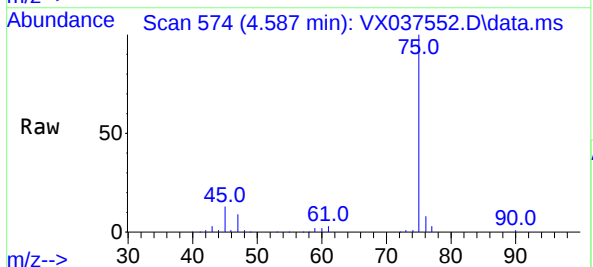
Instrument :
MSVOA_X
ClientSampleId :
MW1R

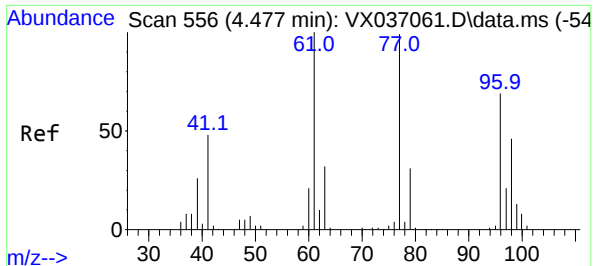
Tgt Ion: 43 Resp: 9069
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#



#25
2-Butanone
Concen: 2.813 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 43 Resp: 3171
Ion Ratio Lower Upper
43 100
72 15.2 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 1.658 ug/l

RT: 4.580 min Scan# 5

Delta R.T. 0.104 min

Lab File: VX037552.D

Acq: 06 Sep 2023 14:11

Instrument :

MSVOA_X

ClientSampleId :

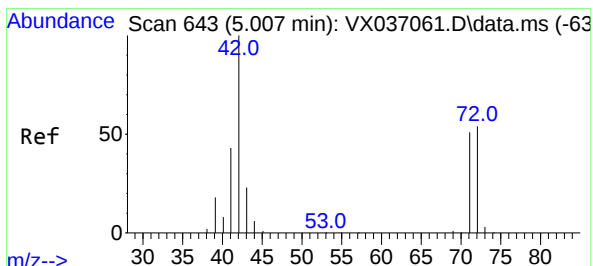
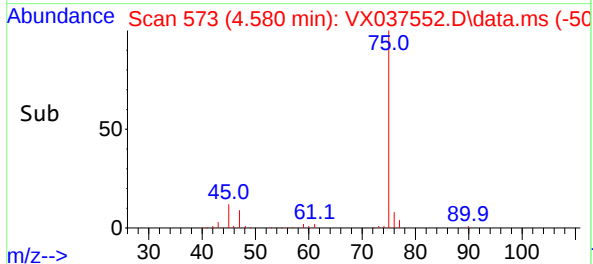
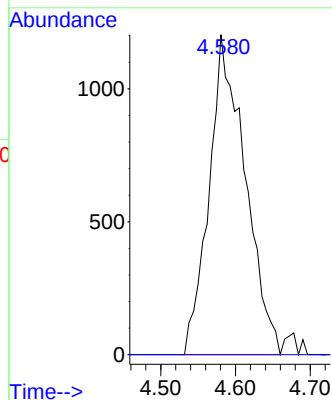
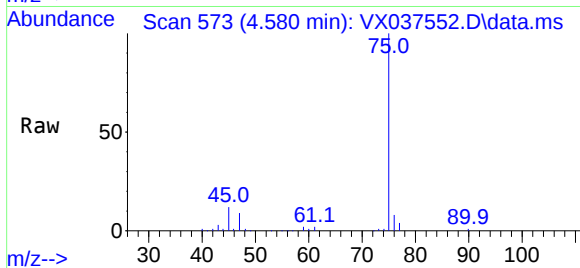
MW1R

Tgt Ion: 77 Resp: 4031

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 12.564 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX037552.D

Acq: 06 Sep 2023 14:11

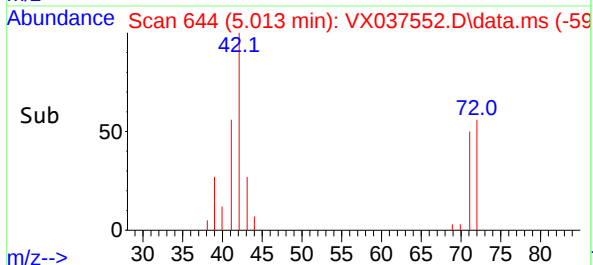
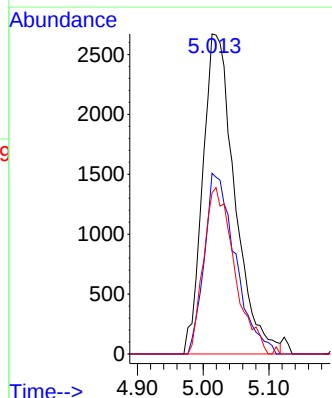
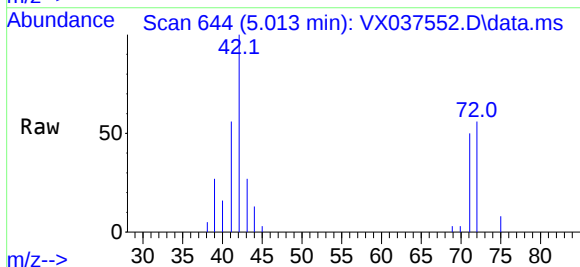
Tgt Ion: 42 Resp: 9033

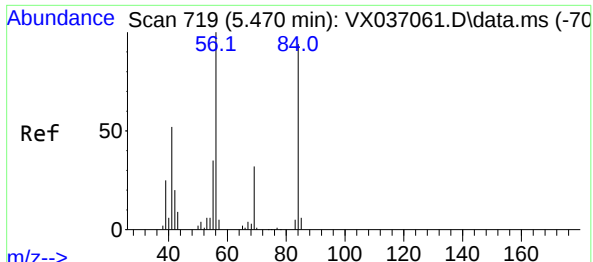
Ion Ratio Lower Upper

42 100

72 54.8 34.2 51.4#

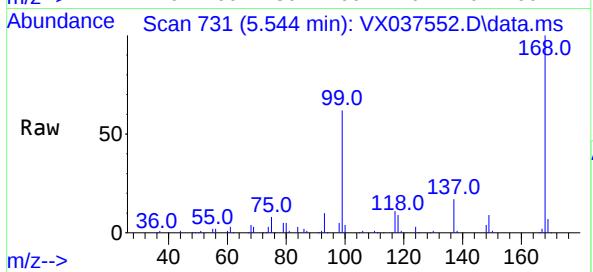
71 50.1 32.2 48.2#



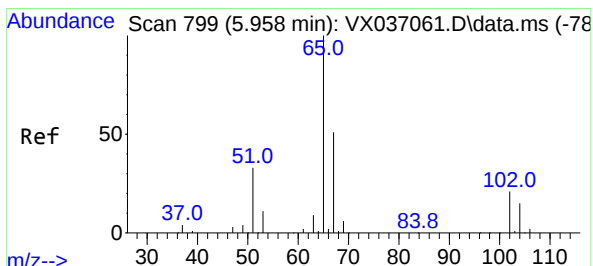
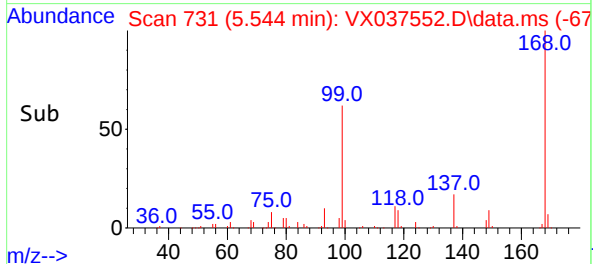
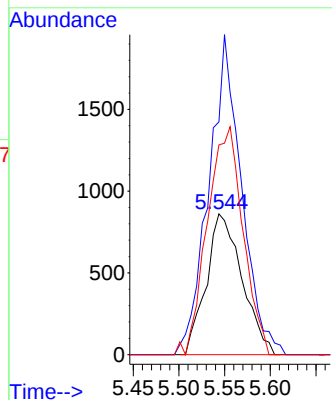


#31
Cyclohexane
Concen: 1.091 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
MW1R

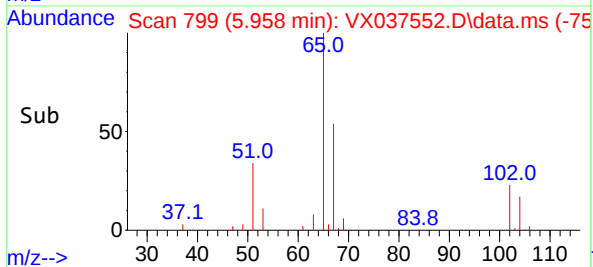
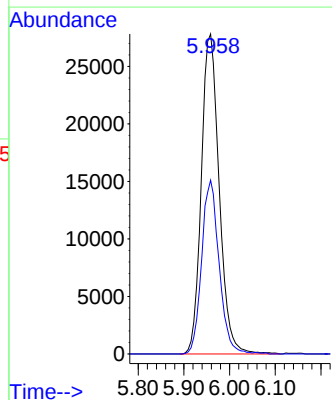
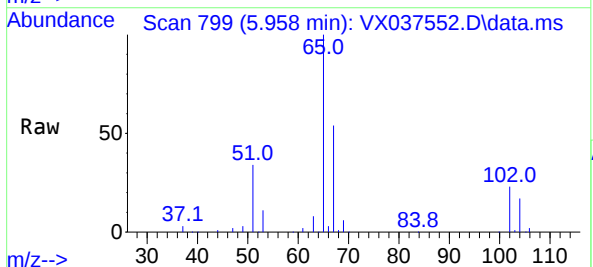


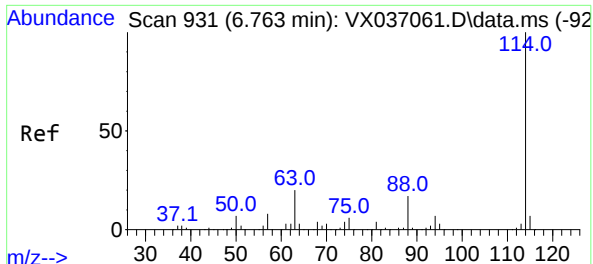
Tgt Ion: 56 Resp: 2347
Ion Ratio Lower Upper
56 100
69 158.7 23.4 35.2#
84 149.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.401 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 65 Resp: 75409
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

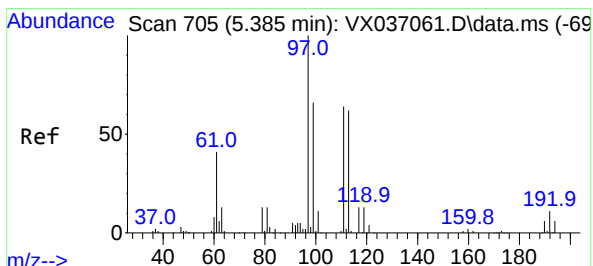
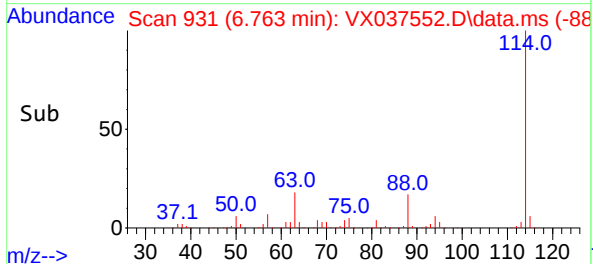
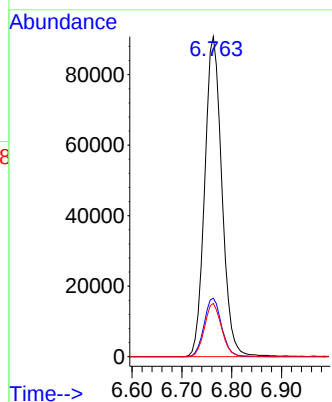
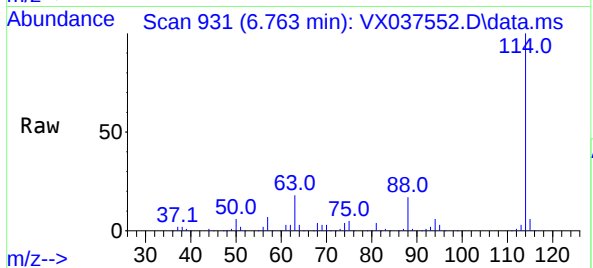




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

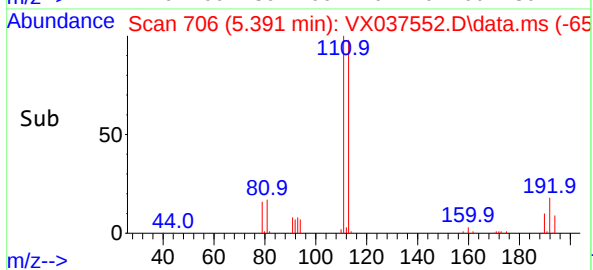
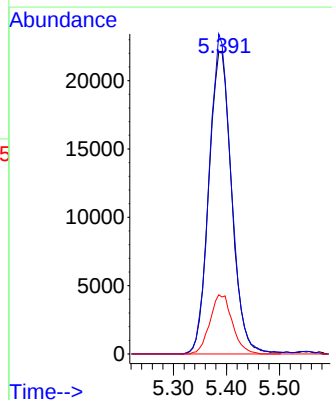
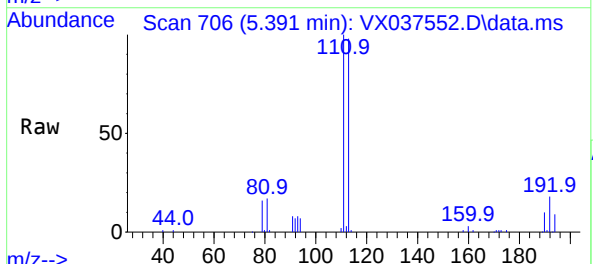
Instrument :
MSVOA_X
ClientSampleId :
MW1R

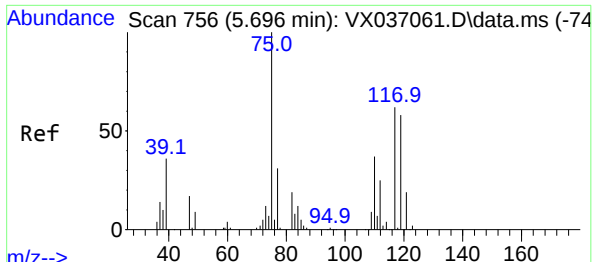
Tgt Ion:114 Resp: 217365
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.981 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion:113 Resp: 66193
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 19.2 13.3 19.9

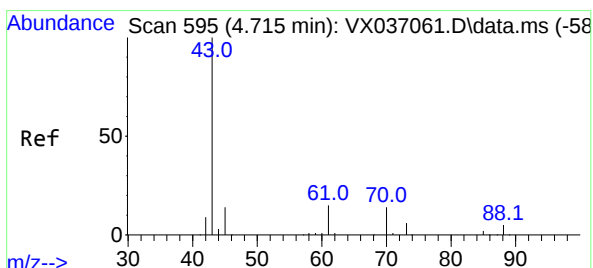
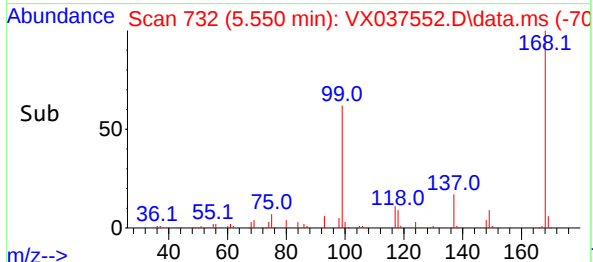
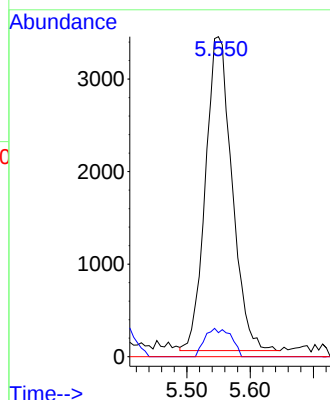
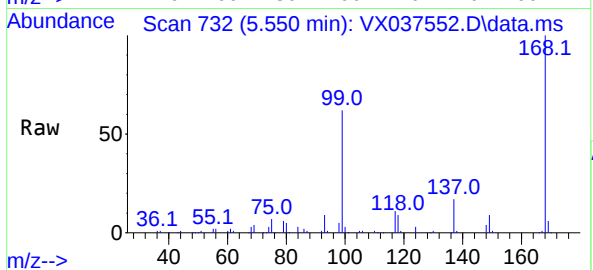




#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX037552.D
 Acq: 06 Sep 2023 14:11

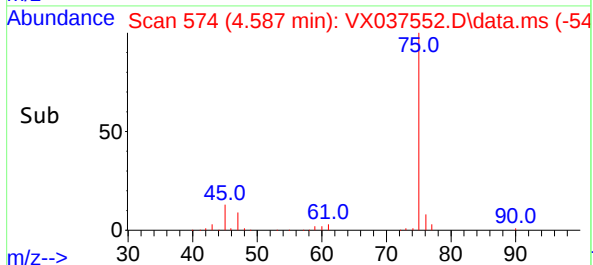
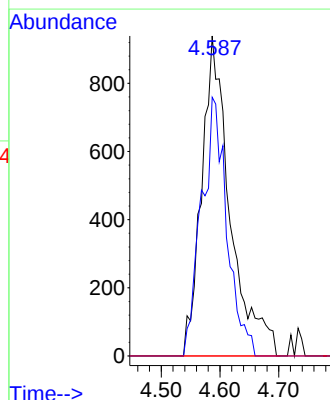
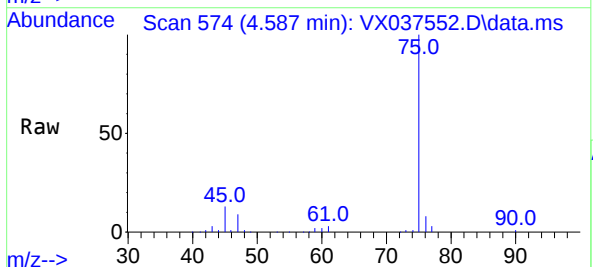
Instrument :
 MSVOA_X
 ClientSampleId :
 MW1R

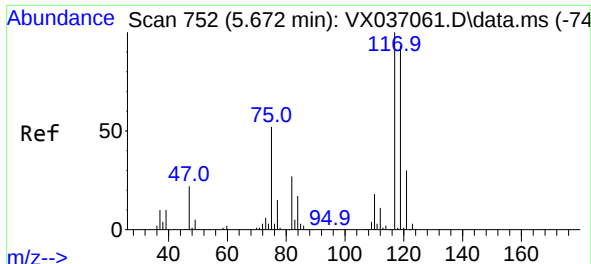
Tgt Ion: 75 Resp: 9904
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.518 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. -0.128 min
 Lab File: VX037552.D
 Acq: 06 Sep 2023 14:11

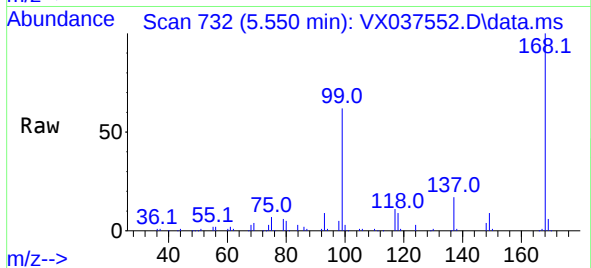
Tgt Ion: 43 Resp: 3171
 Ion Ratio Lower Upper
 43 100
 61 72.1 10.6 16.0#
 70 0.0 8.3 12.5#



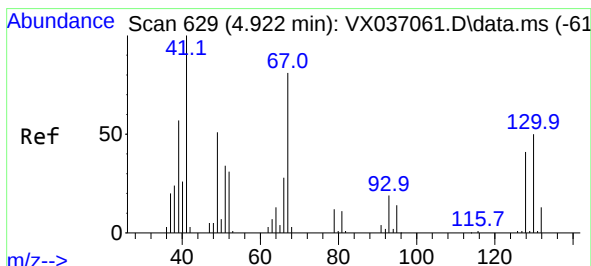
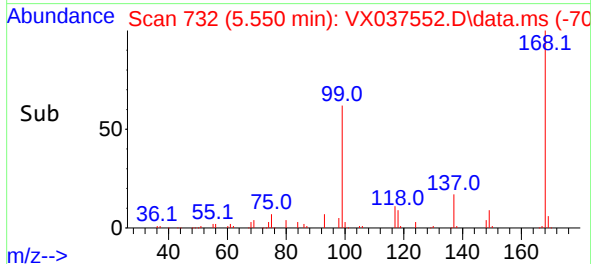
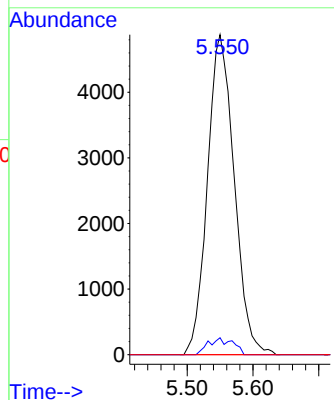


#38
Carbon Tetrachloride
Concen: 6.222 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
MW1R

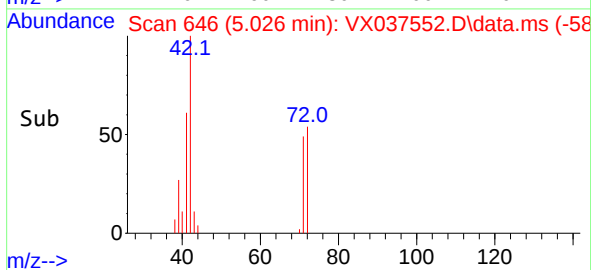
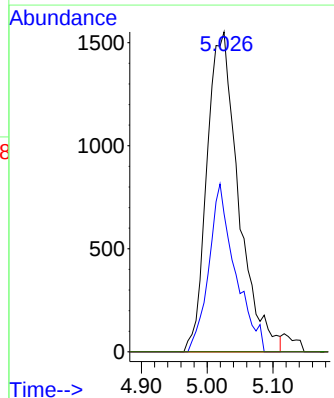
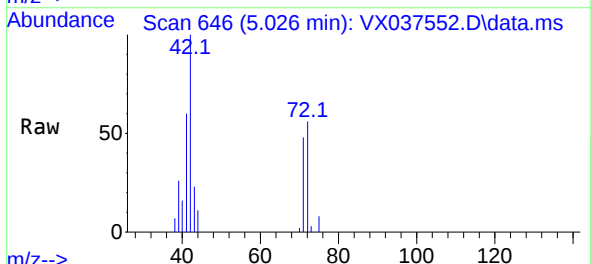


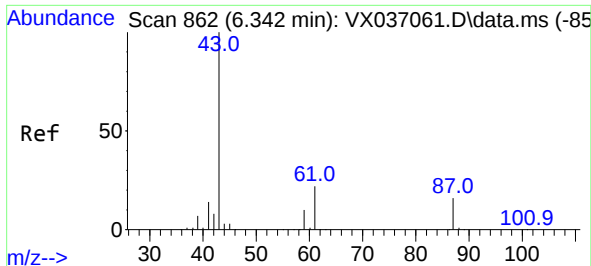
Tgt Ion:117 Resp: 13824
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 4.776 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 41 Resp: 5187
Ion Ratio Lower Upper
41 100
39 43.7 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

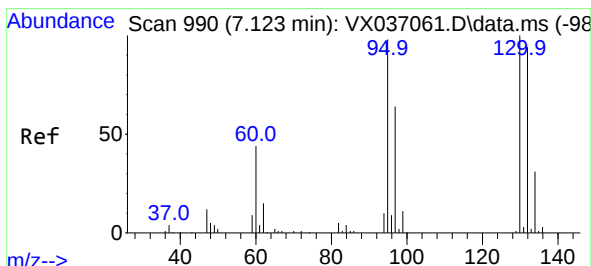
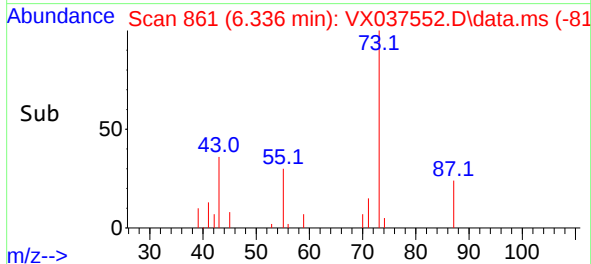
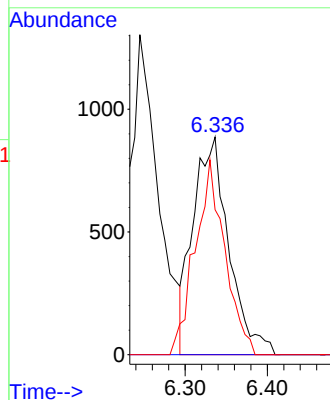
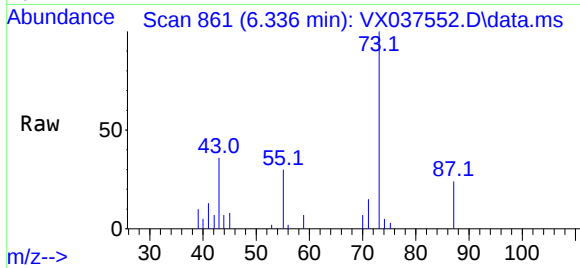




#43
Isopropyl Acetate
Concen: 0.805 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

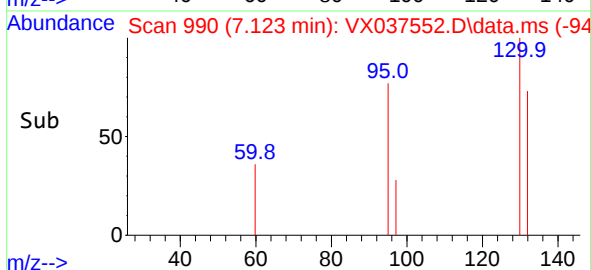
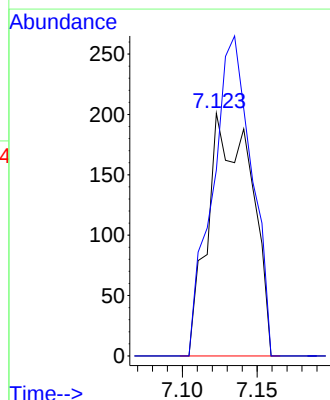
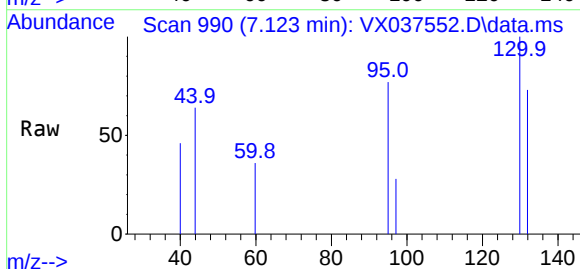
Instrument :
MSVOA_X
ClientSampleId :
MW1R

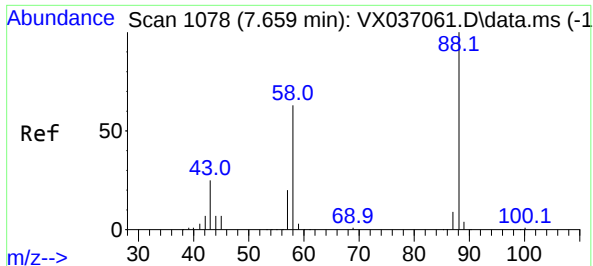
Tgt Ion: 43 Resp: 2669
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 74.4 9.8 14.6#



#44
Trichloroethene
Concen: 0.243 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion:130 Resp: 405
Ion Ratio Lower Upper
130 100
95 76.6 0.0 204.4





#49

1,4-Dioxane

Concen: 8.034 ug/l

RT: 7.678 min Scan# 1078

Delta R.T. 0.018 min

Lab File: VX037552.D

Acq: 06 Sep 2023 14:11

Instrument :

MSVOA_X

ClientSampleId :

MW1R

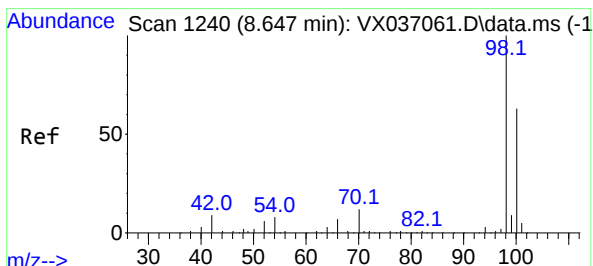
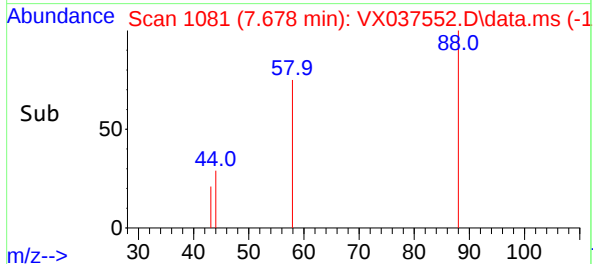
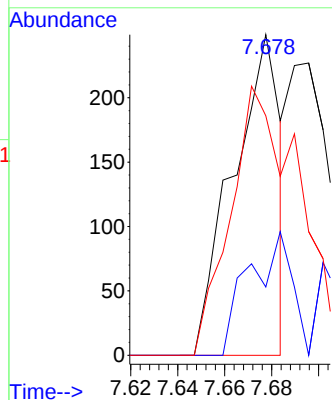
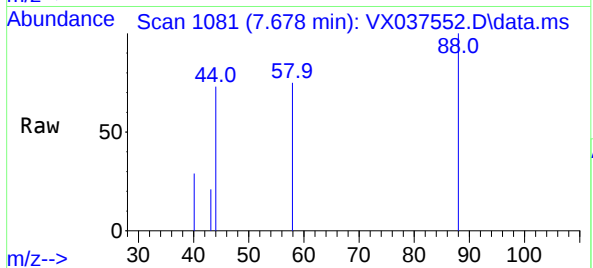
Tgt Ion: 88 Resp: 350

Ion Ratio Lower Upper

88 100

43 34.9 0.0 0.0#

58 119.1 60.1 90.1#



#50

Toluene-d8

Concen: 48.824 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037552.D

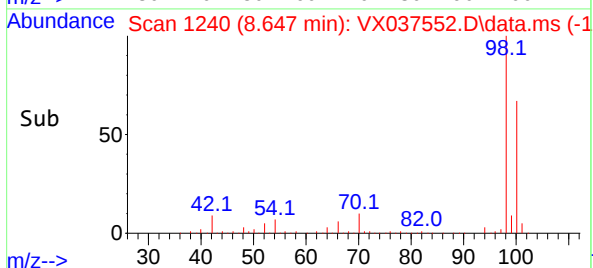
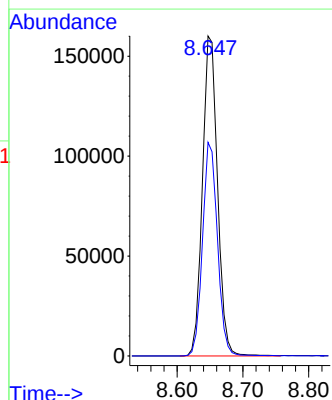
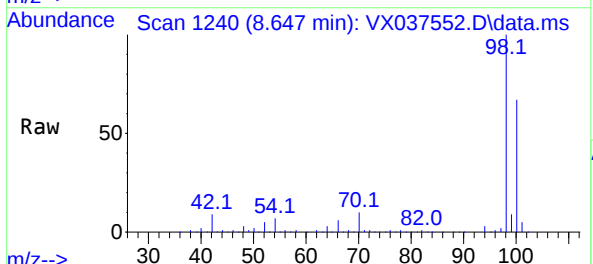
Acq: 06 Sep 2023 14:11

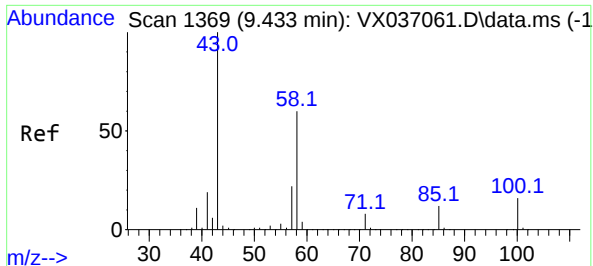
Tgt Ion: 98 Resp: 254949

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7





#59

2-Hexanone

Concen: 0.369 ug/l

RT: 9.238 min Scan# 11

Delta R.T. -0.195 min

Lab File: VX037552.D

Acq: 06 Sep 2023 14:11

Instrument :

MSVOA_X

ClientSampleId :

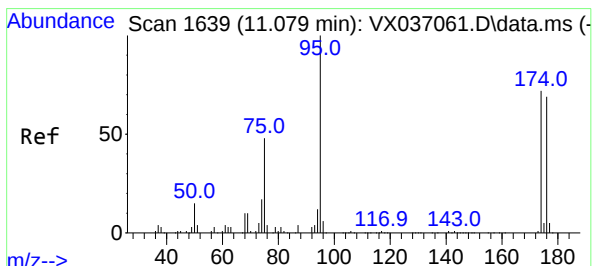
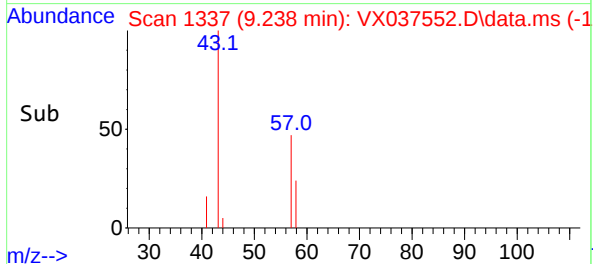
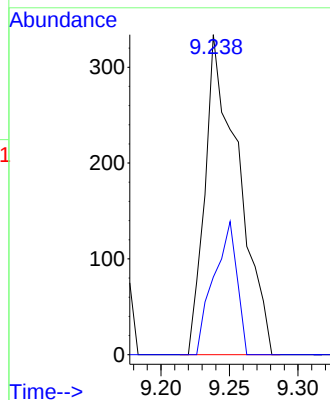
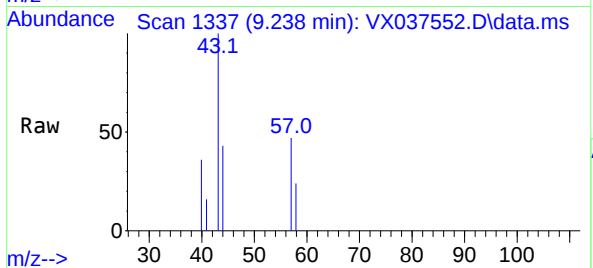
MW1R

Tgt Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

58 28.8 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 44.974 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037552.D

Acq: 06 Sep 2023 14:11

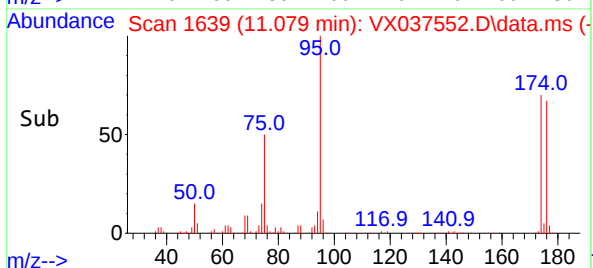
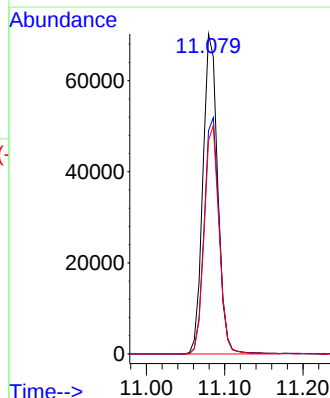
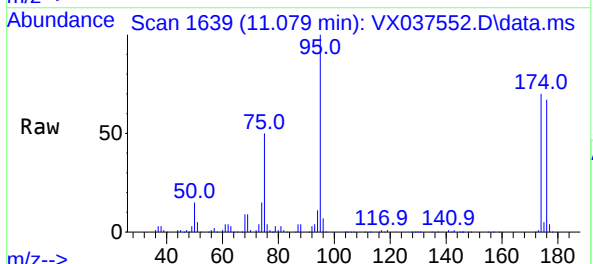
Tgt Ion: 95 Resp: 92292

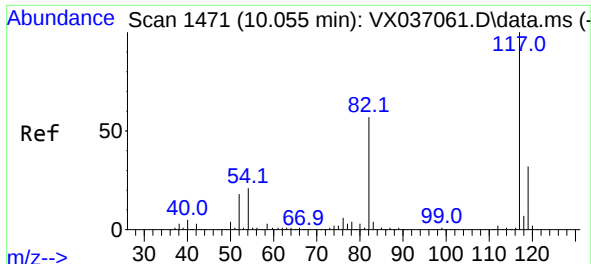
Ion Ratio Lower Upper

95 100

174 75.1 0.0 135.6

176 71.6 0.0 131.0

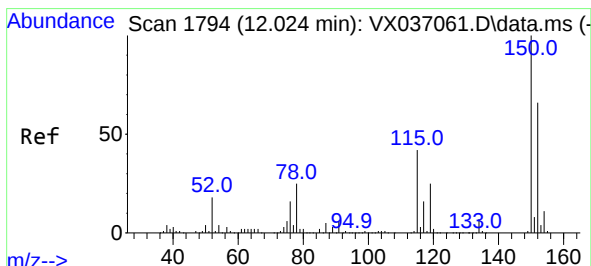
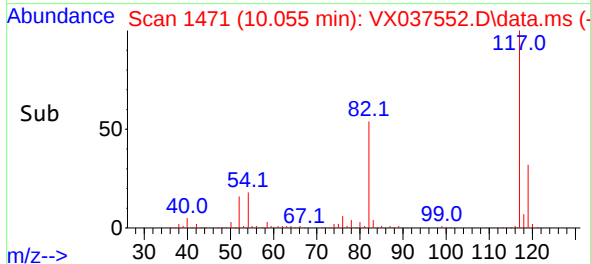
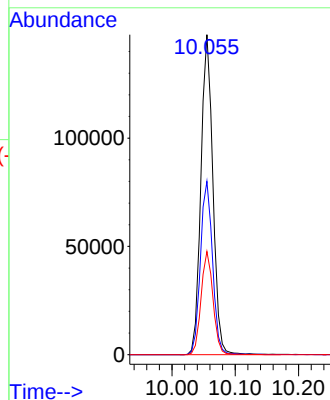
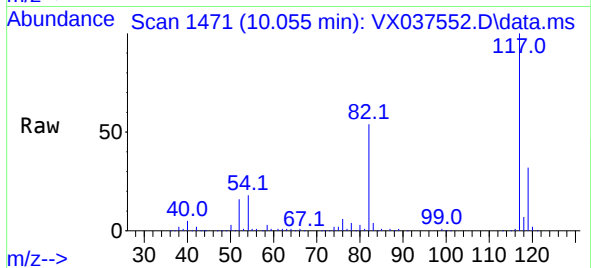




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

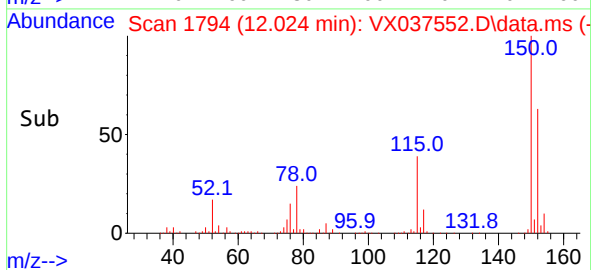
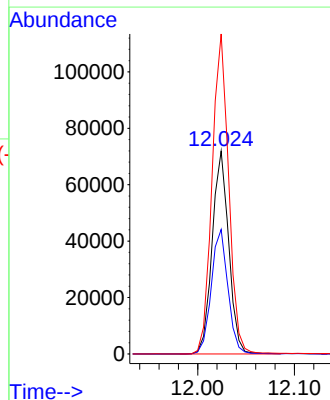
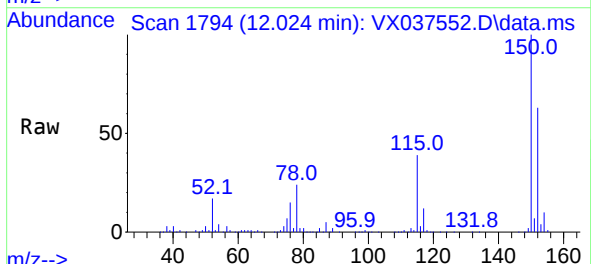
Instrument :
MSVOA_X
ClientSampleId :
MW1R

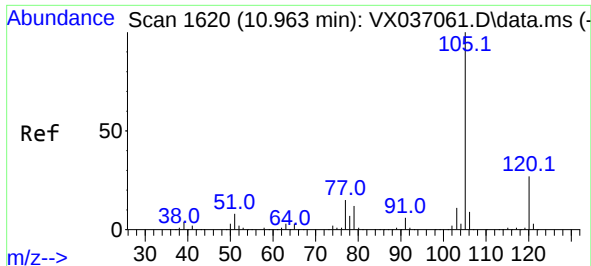
Tgt Ion:117 Resp: 195141
Ion Ratio Lower Upper
117 100
82 54.2 46.2 69.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion:152 Resp: 85719
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 158.7 0.0 345.0

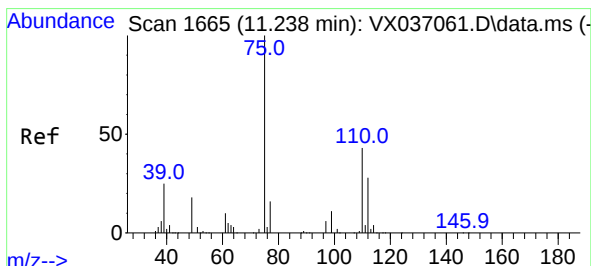
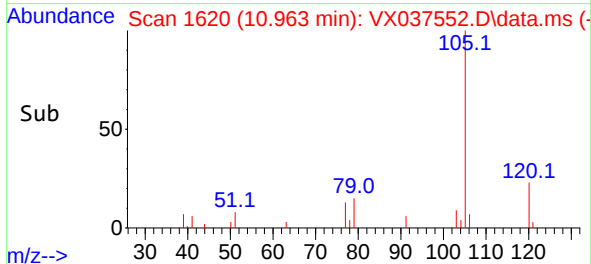
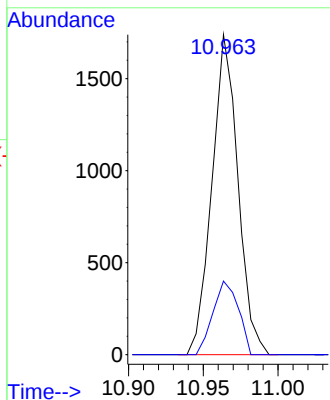
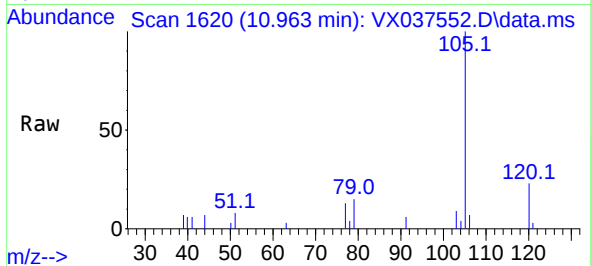




#73
Isopropylbenzene
Concen: 0.338 ug/l
RT: 10.963 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

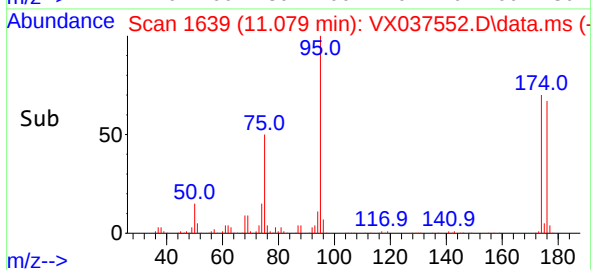
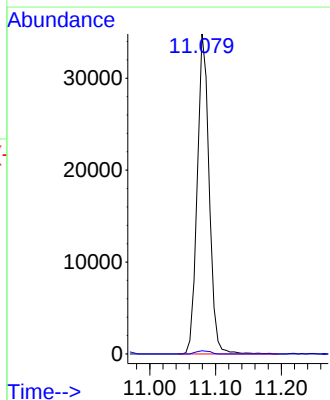
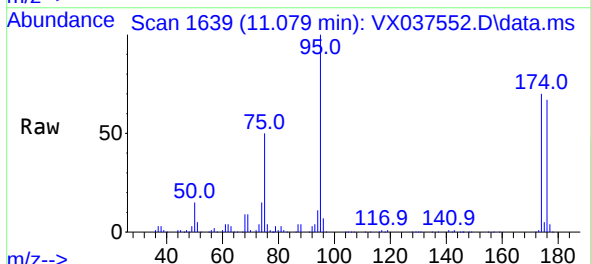
Instrument :
MSVOA_X
ClientSampleId :
MW1R

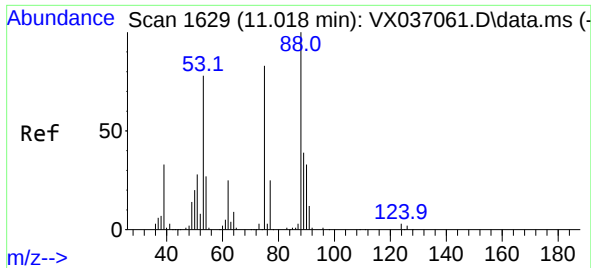
Tgt Ion:105 Resp: 2104
Ion Ratio Lower Upper
105 100
120 22.4 12.9 38.6



#76
1,2,3-Trichloropropane
Concen: 24.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Tgt Ion: 75 Resp: 43896
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.160 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037552.D
Acq: 06 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
MW1R

Tgt Ion: 75 Resp: 43896
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

