

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040323\
 Data File : VX034933.D
 Acq On : 03 Apr 2023 15:33
 Operator : JC/MD
 Sample : 02080-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-5

Quant Time: Apr 03 21:38:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

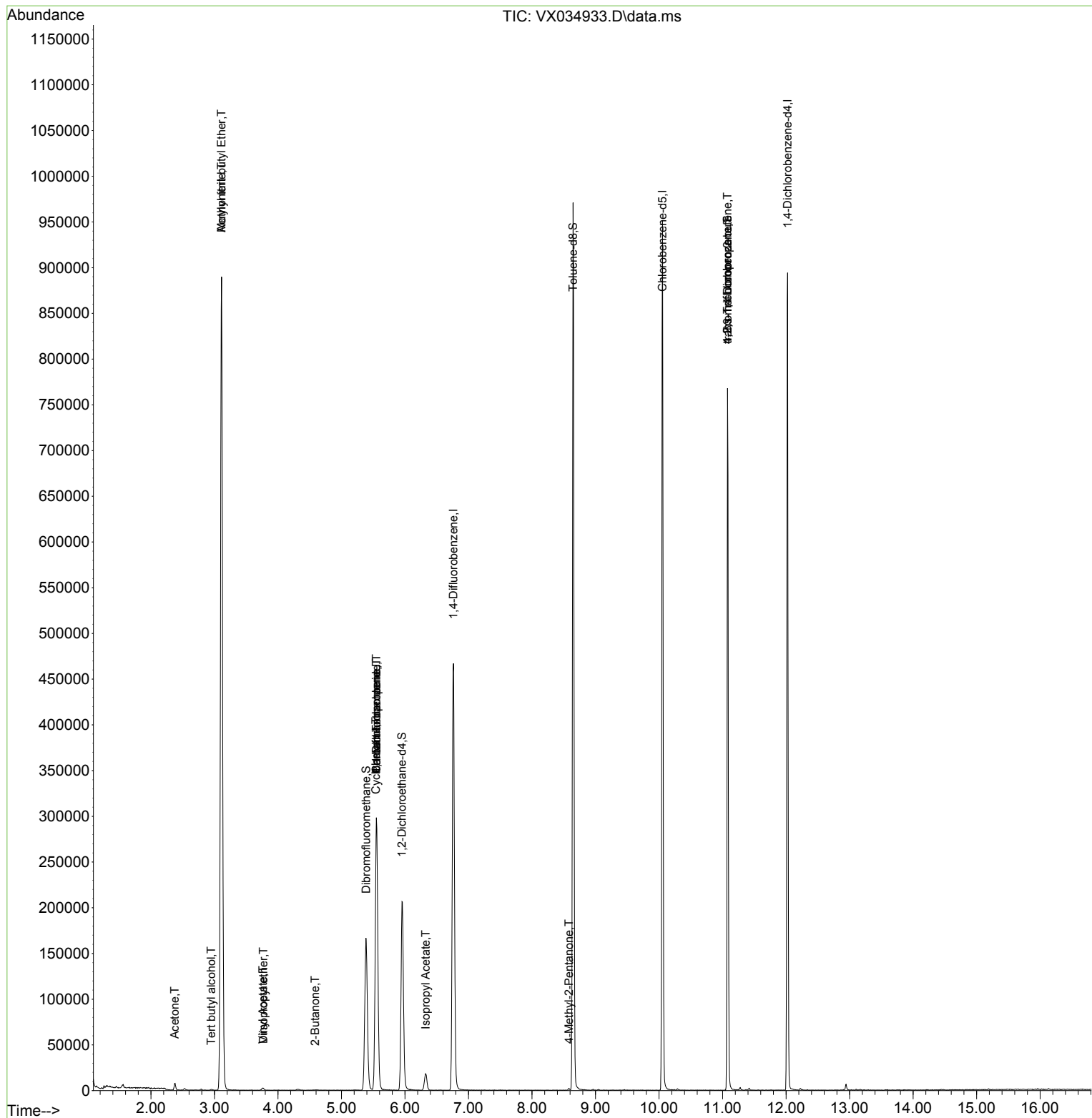
Internal Standards						
1) Pentafluorobenzene	5.550	168	265740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	459884	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	203441	50.058	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.120%	
35) Dibromofluoromethane	5.385	113	143760	47.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.520%	
50) Toluene-d8	8.647	98	552732	49.231	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.460%	
62) 4-Bromofluorobenzene	11.079	95	207808	47.830	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	897	1.258	ug/l #	73
15) Acrylonitrile	3.111	53	10385	6.470	ug/l #	27
16) Acetone	2.373	43	8136	4.928	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	951043	94.157	ug/l	99
22) Diisopropyl ether	3.769	45	2870	0.266	ug/l #	75
23) Vinyl Acetate	3.763	43	1597	0.208	ug/l #	72
25) 2-Butanone	4.586	43	714	0.297	ug/l #	51
31) Cyclohexane	5.544	56	6575	1.329	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	23333	5.178	ug/l #	50
38) Carbon Tetrachloride	5.550	117	28823	6.784	ug/l #	16
43) Isopropyl Acetate	6.324	43	6983	0.886	ug/l #	22
51) 4-Methyl-2-Pentanone	8.580	43	1432	0.307	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	110673	30.243	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	110673	90.636	ug/l #	8

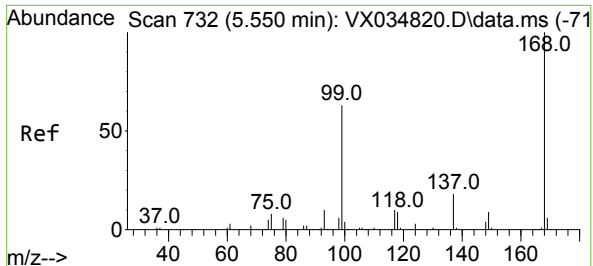
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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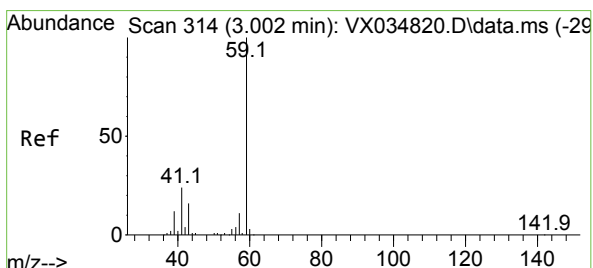
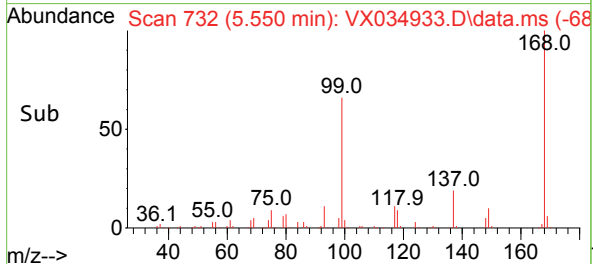
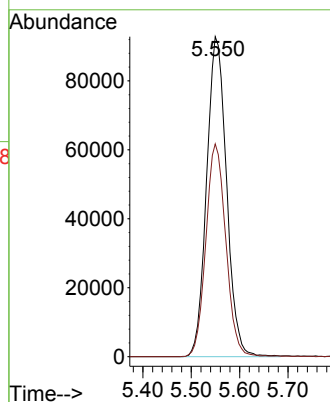
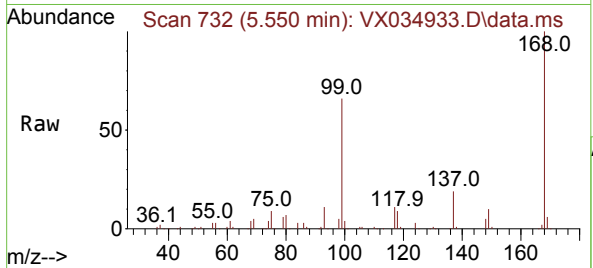




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

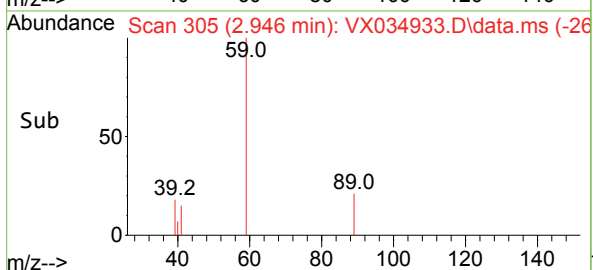
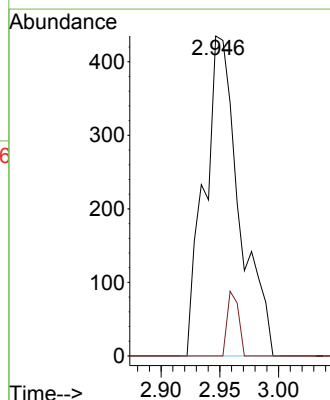
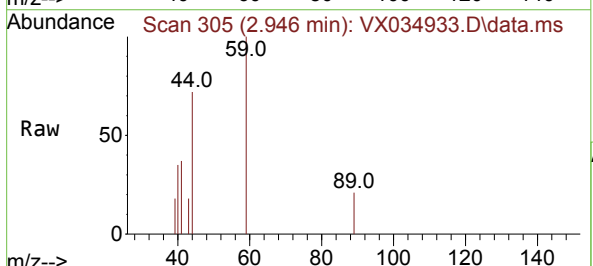
Instrument :
MSVOA_X
ClientSampleId :
T-5

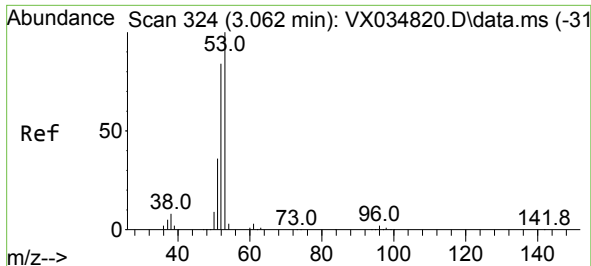
Tgt Ion:168 Resp: 265740
Ion Ratio Lower Upper
168 100
99 66.5 45.7 68.5



#11
Tert butyl alcohol
Concen: 1.258 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.055 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#15

Acrylonitrile

Concen: 6.470 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX034933.D

Acq: 03 Apr 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

T-5

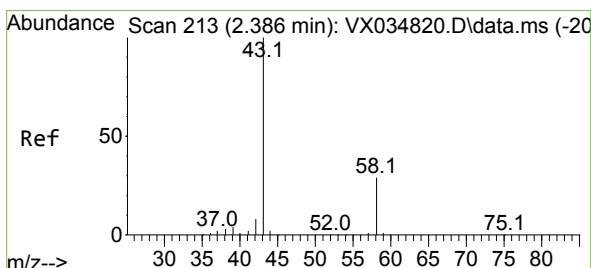
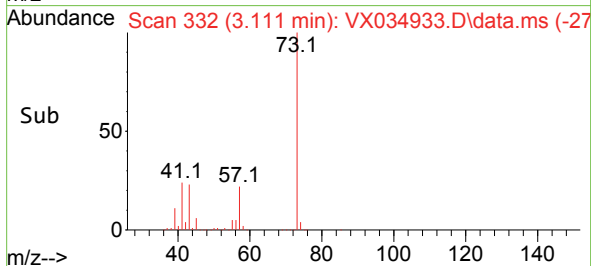
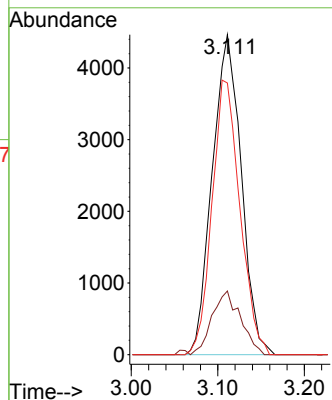
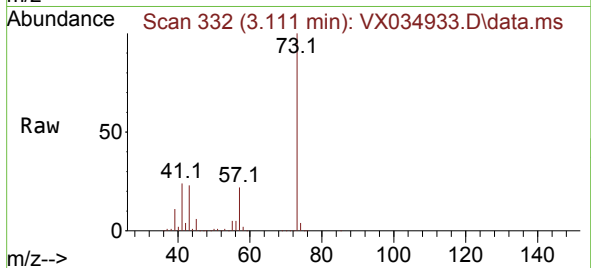
Tgt Ion: 53 Resp: 10385

Ion Ratio Lower Upper

53 100

52 19.6 66.2 99.2#

51 82.5 28.3 42.5#



#16

Acetone

Concen: 4.928 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.012 min

Lab File: VX034933.D

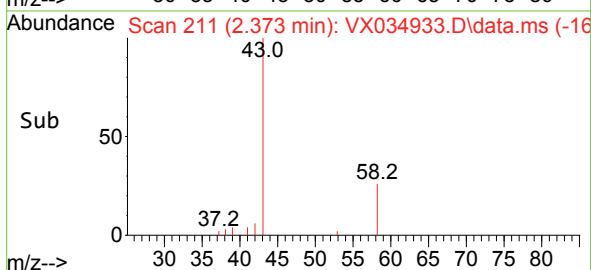
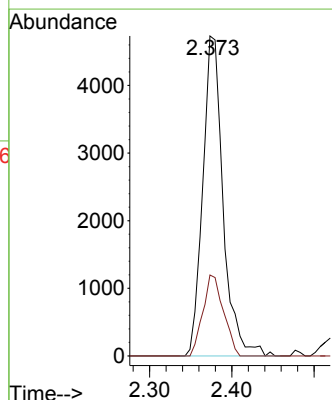
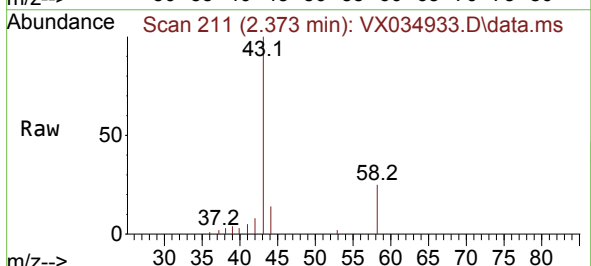
Acq: 03 Apr 2023 15:33

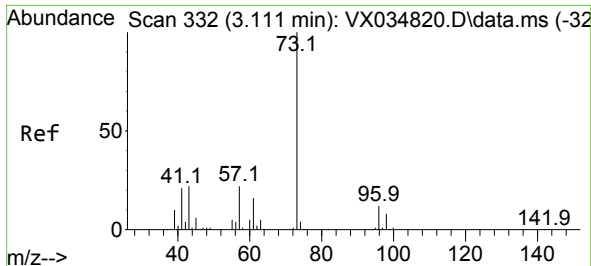
Tgt Ion: 43 Resp: 8136

Ion Ratio Lower Upper

43 100

58 25.3 24.7 37.1

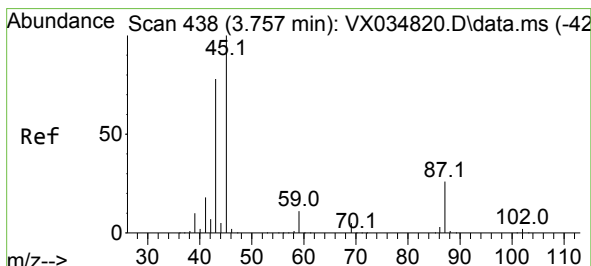
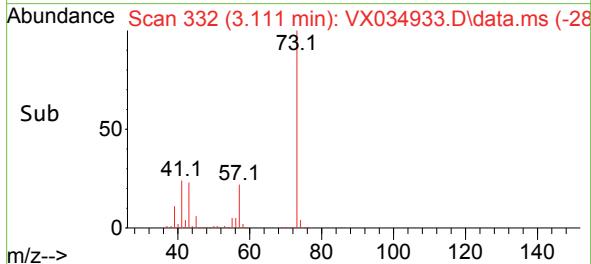
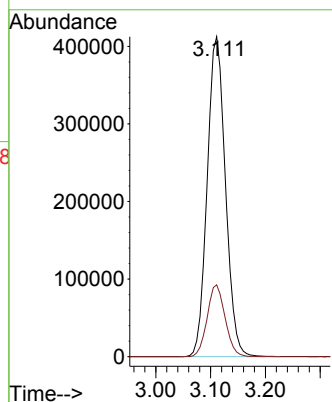
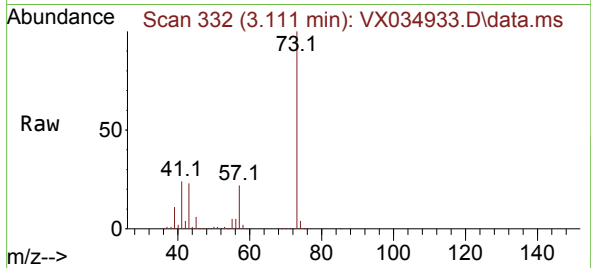




#19
Methyl tert-butyl Ether
Concen: 94.157 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

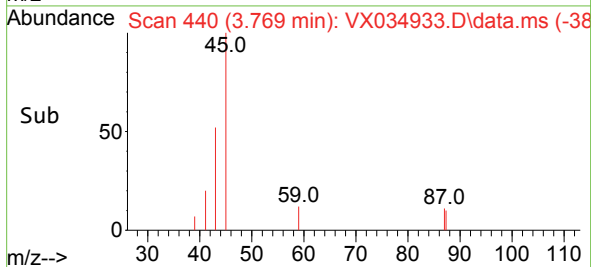
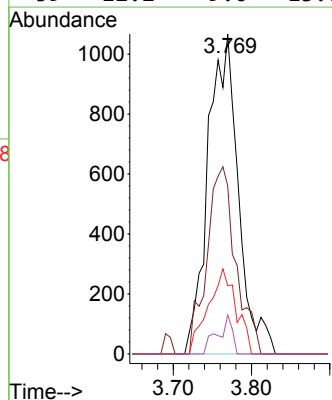
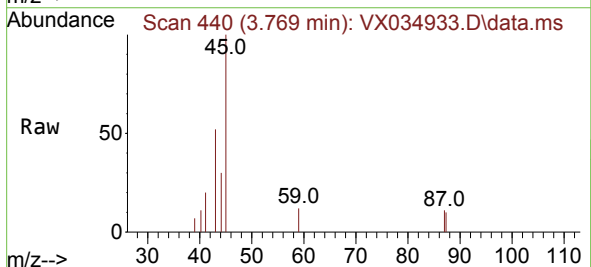
Instrument :
MSVOA_X
ClientSampleId :
T-5

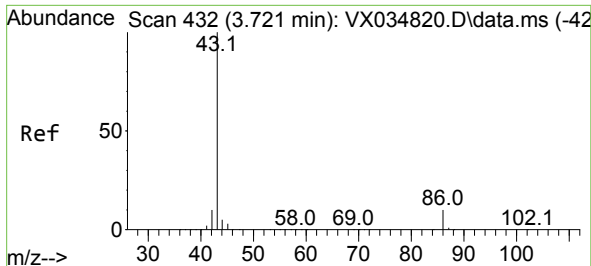
Tgt Ion: 73 Resp: 951043
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7



#22
Diisopropyl ether
Concen: 0.266 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.012 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion: 45 Resp: 2870
Ion Ratio Lower Upper
45 100
43 52.5 65.4 98.2#
87 21.4 20.6 31.0
59 12.2 9.0 13.6

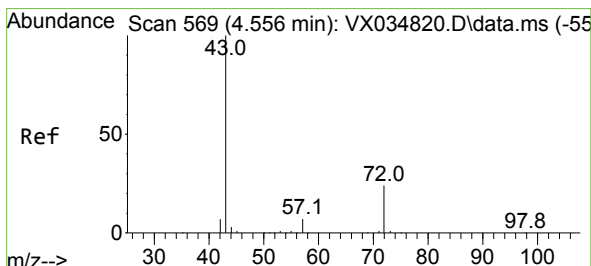
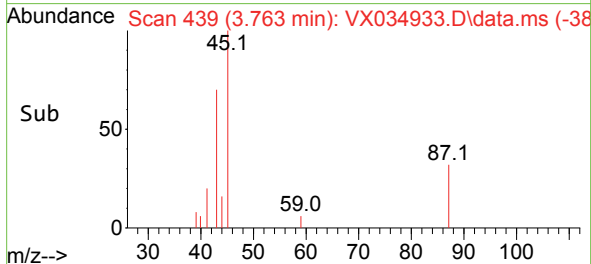
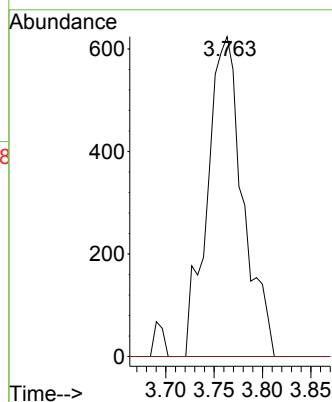
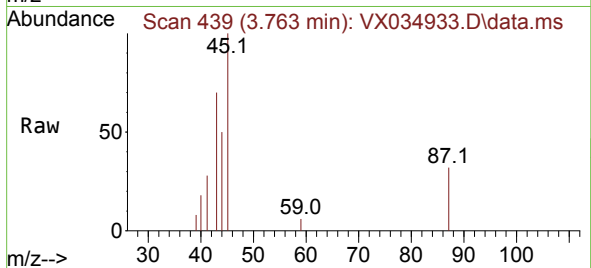




#23
 Vinyl Acetate
 Concen: 0.208 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.042 min
 Lab File: VX034933.D
 Acq: 03 Apr 2023 15:33

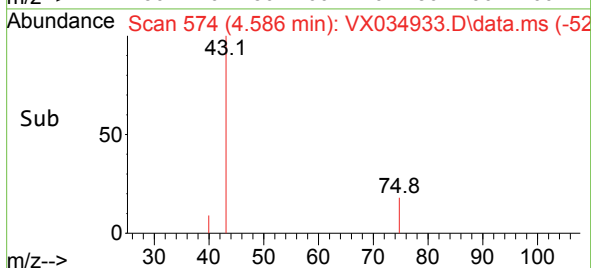
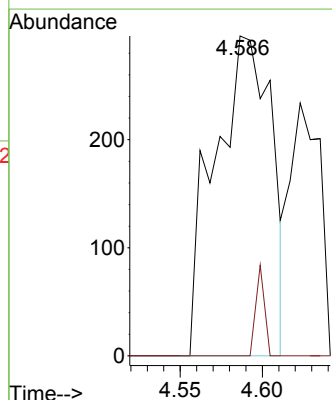
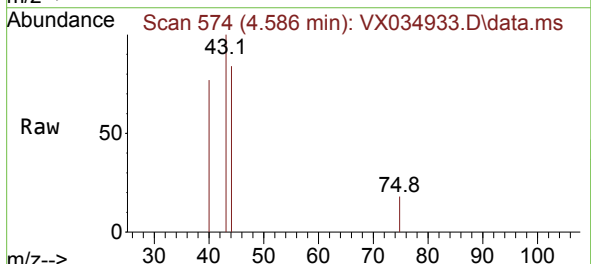
Instrument :
 MSVOA_X
 ClientSampleId :
 T-5

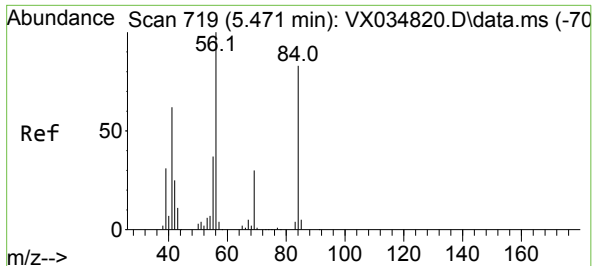
Tgt Ion: 43 Resp: 1597
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#25
 2-Butanone
 Concen: 0.297 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.030 min
 Lab File: VX034933.D
 Acq: 03 Apr 2023 15:33

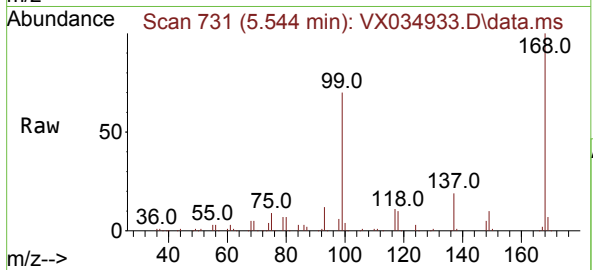
Tgt Ion: 43 Resp: 714
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.3 28.9#



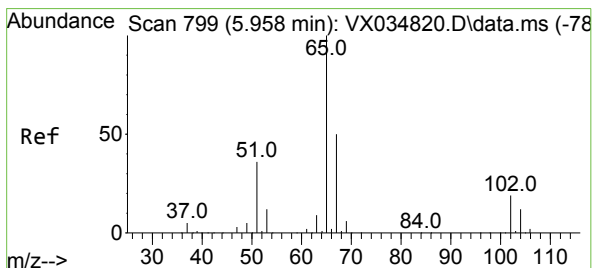
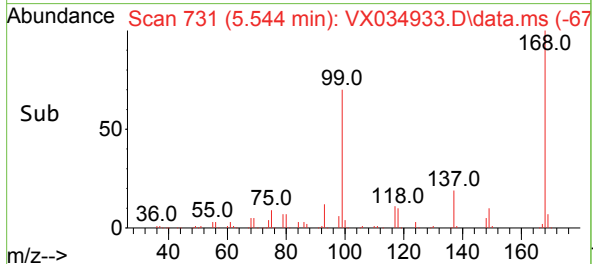
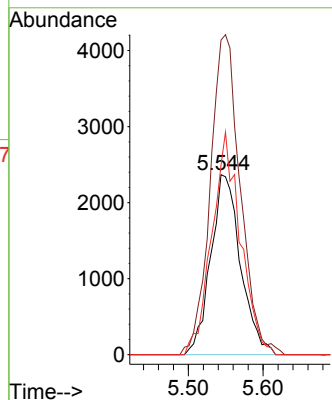


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Instrument :
MSVOA_X
ClientSampleId :
T-5

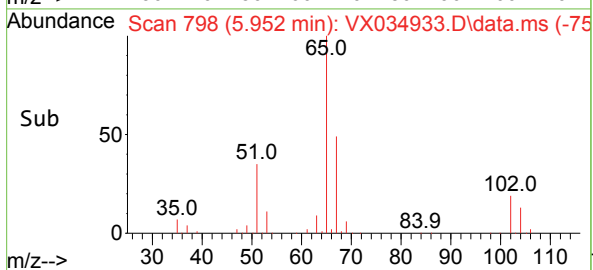
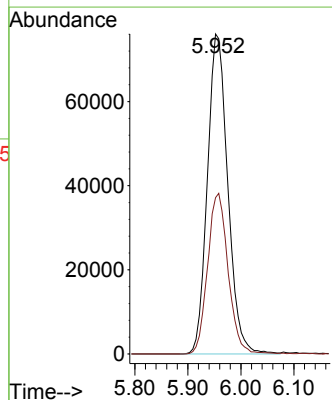
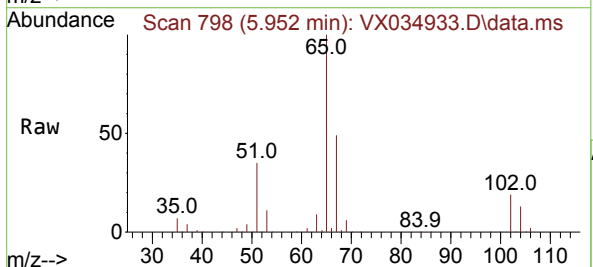


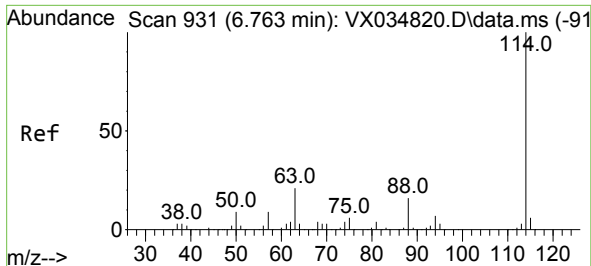
Tgt Ion: 56 Resp: 6575
Ion Ratio Lower Upper
56 100
69 174.7 23.7 35.5#
84 105.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 50.058 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion: 65 Resp: 203441
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX034933.D

Acq: 03 Apr 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

T-5

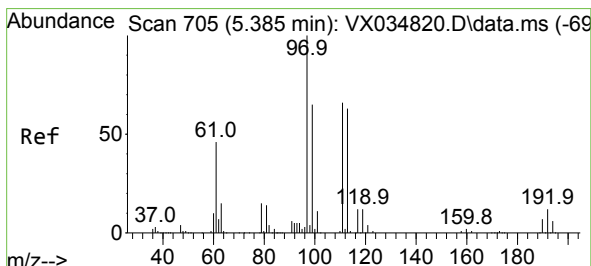
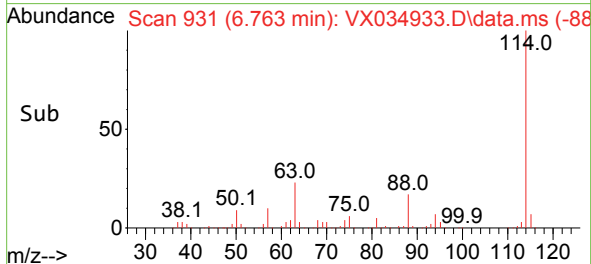
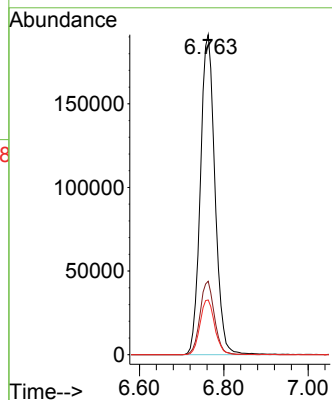
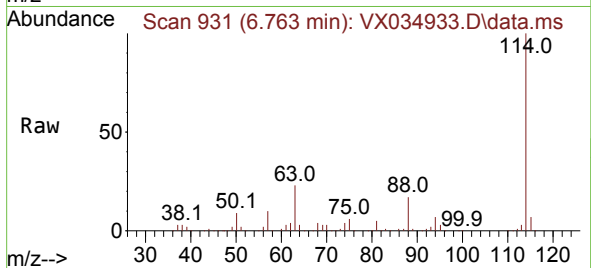
Tgt Ion:114 Resp: 459884

Ion Ratio Lower Upper

114 100

63 22.9 0.0 42.2

88 17.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.262 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX034933.D

Acq: 03 Apr 2023 15:33

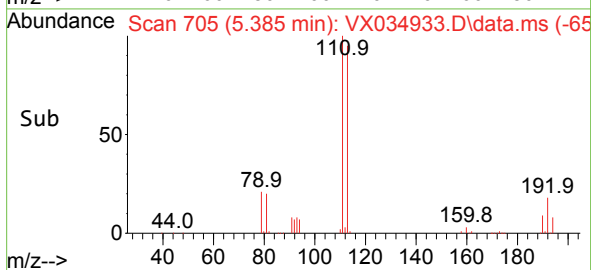
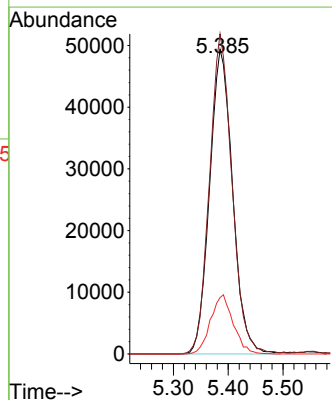
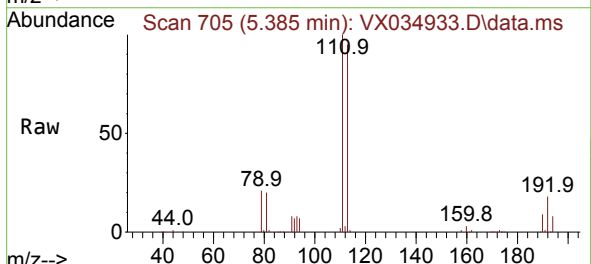
Tgt Ion:113 Resp: 143760

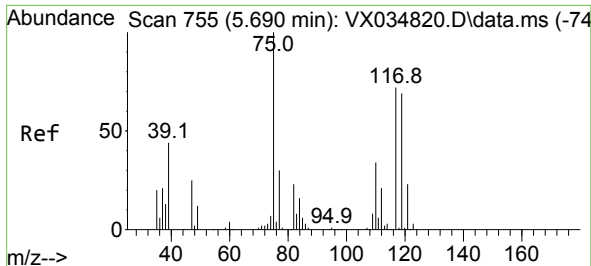
Ion Ratio Lower Upper

113 100

111 102.9 83.7 125.5

192 19.1 15.4 23.2

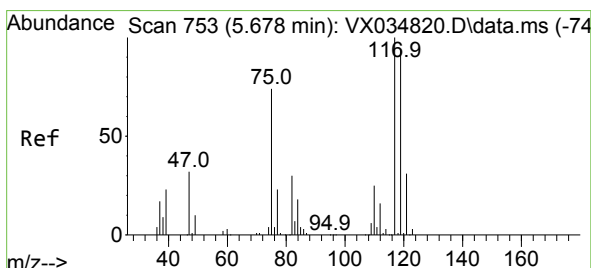
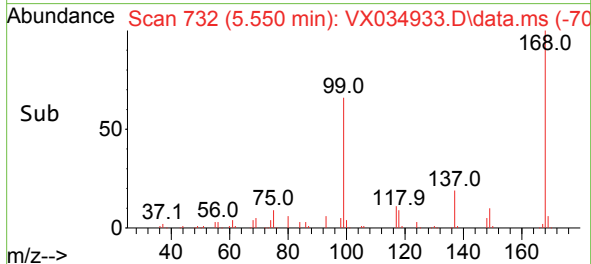
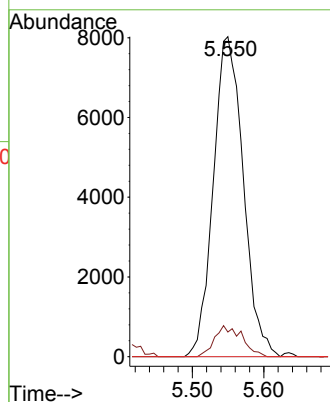
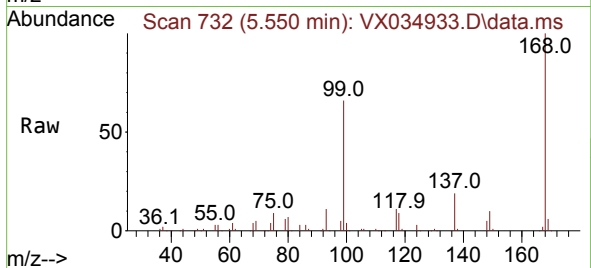




#36
1,1-Dichloropropene
Concen: 5.178 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

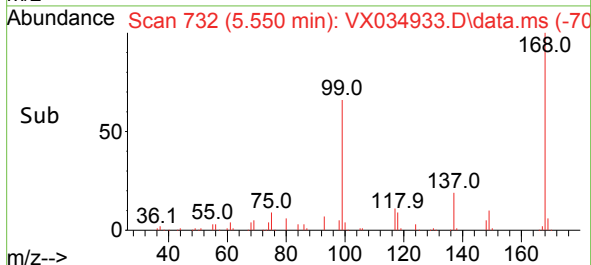
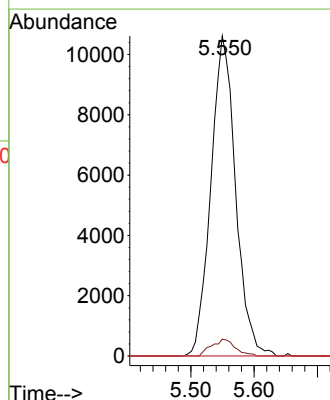
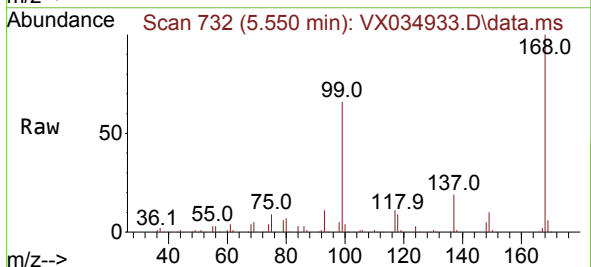
Instrument :
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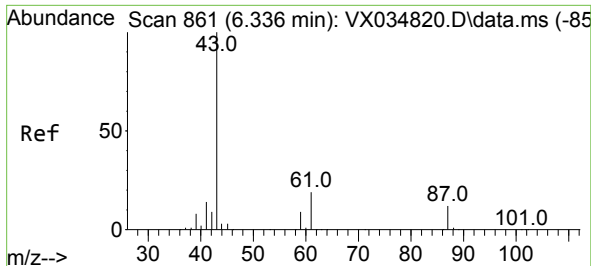
Tgt Ion: 75 Resp: 23333
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.784 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion: 117 Resp: 28823
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#

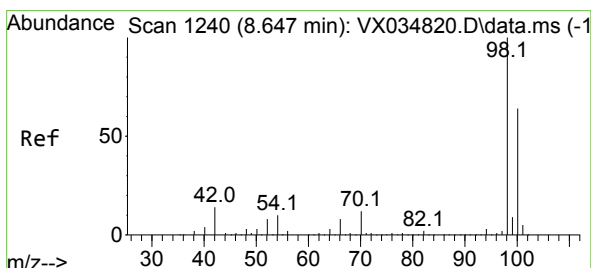
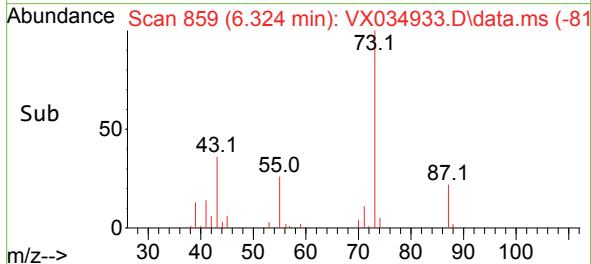
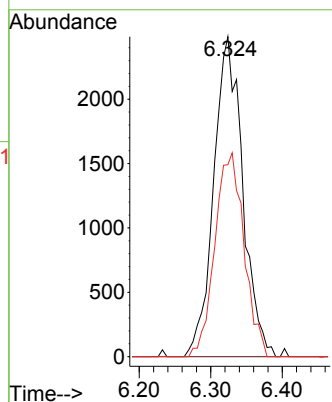
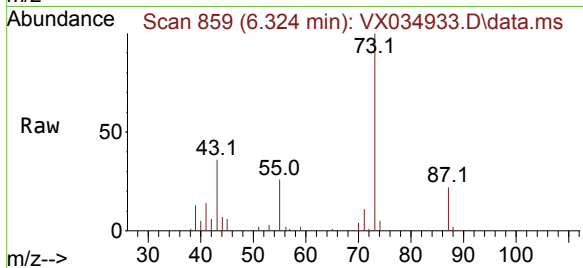




#43
Isopropyl Acetate
Concen: 0.886 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

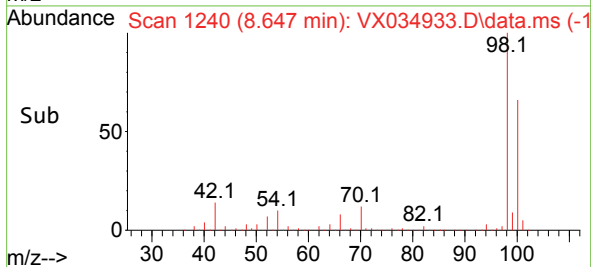
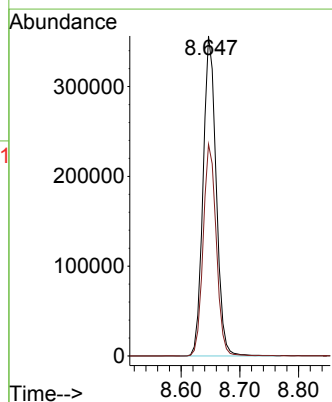
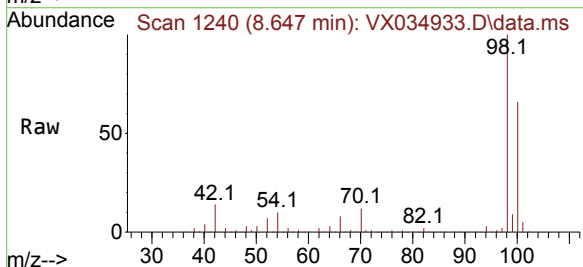
Instrument :
MSVOA_X
ClientSampleId :
T-5

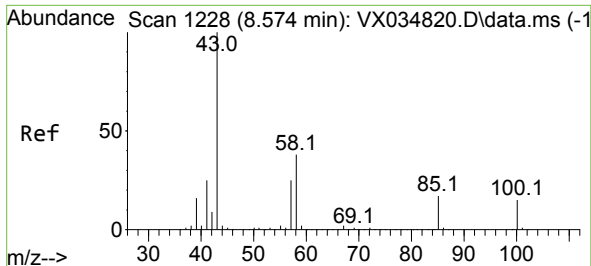
Tgt Ion: 43 Resp: 6983
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 64.0 9.8 14.8#



#50
Toluene-d8
Concen: 49.231 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion: 98 Resp: 552732
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.307 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX034933.D

Acq: 03 Apr 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

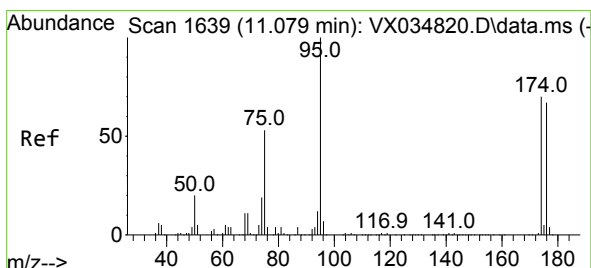
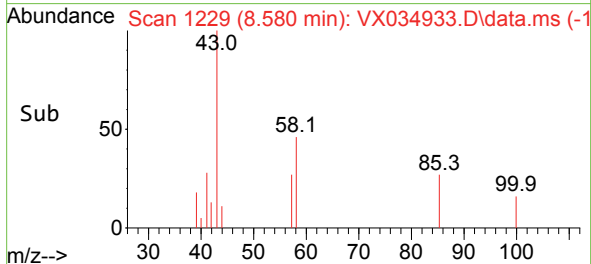
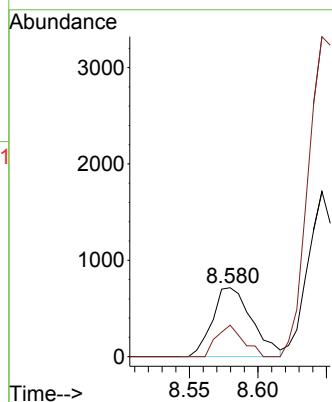
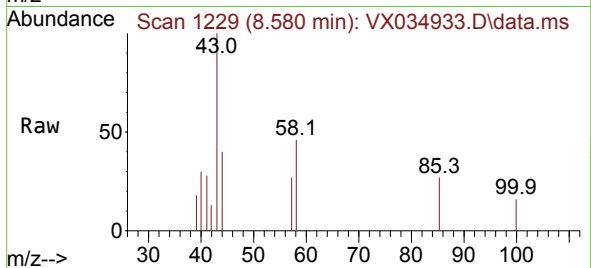
T-5

Tgt Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

58 30.8 30.6 46.0



#62

4-Bromofluorobenzene

Concen: 47.830 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034933.D

Acq: 03 Apr 2023 15:33

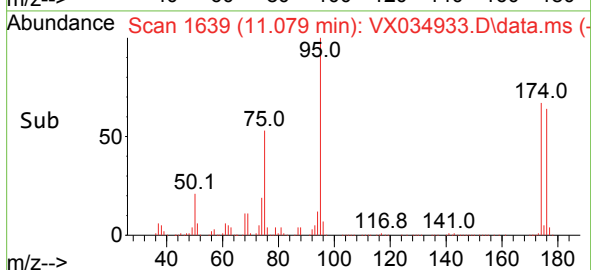
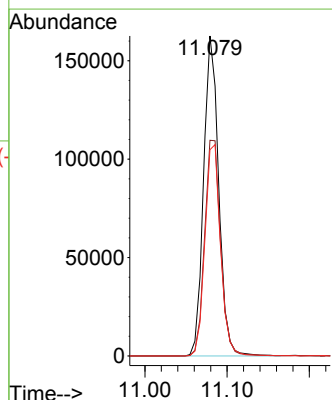
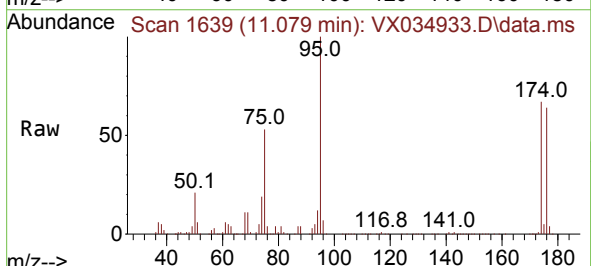
Tgt Ion: 95 Resp: 207808

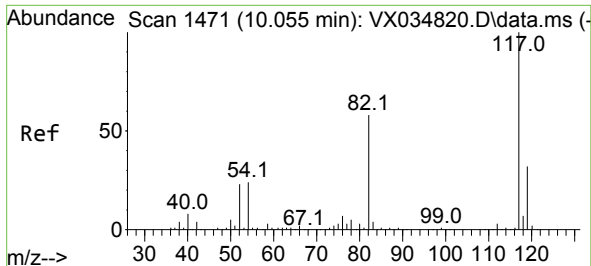
Ion Ratio Lower Upper

95 100

174 71.3 0.0 147.4

176 68.4 0.0 140.6

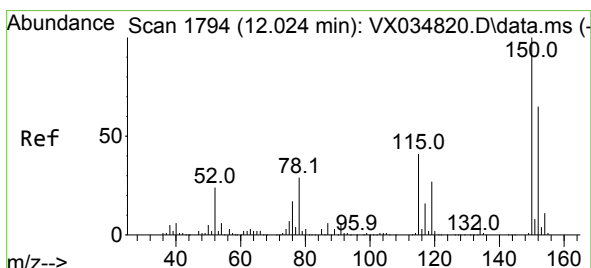
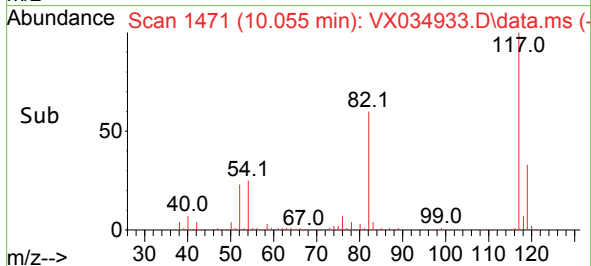
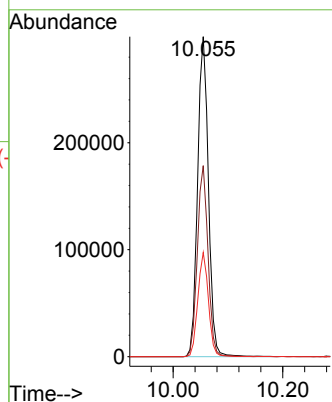
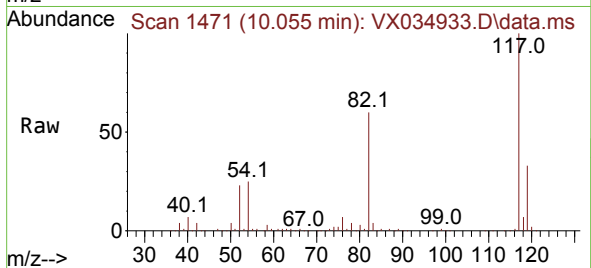




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

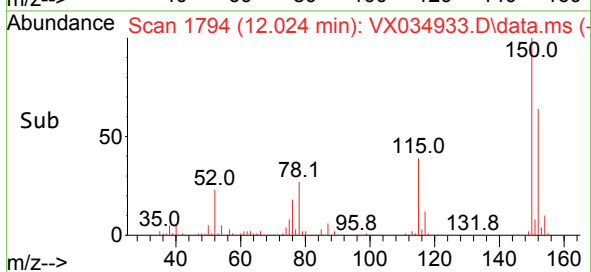
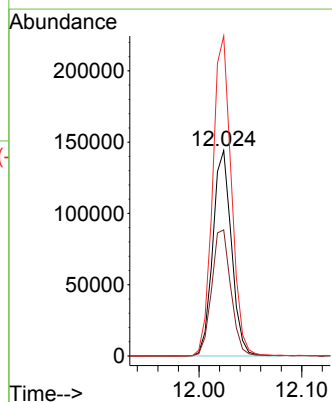
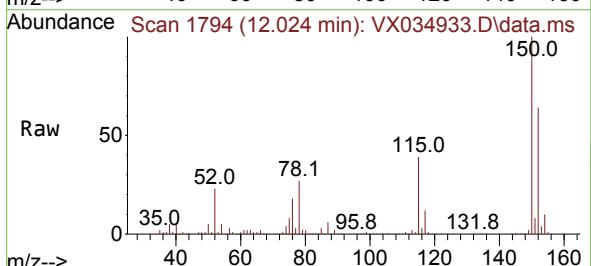
Instrument :
MSVOA_X
ClientSampleId :
T-5

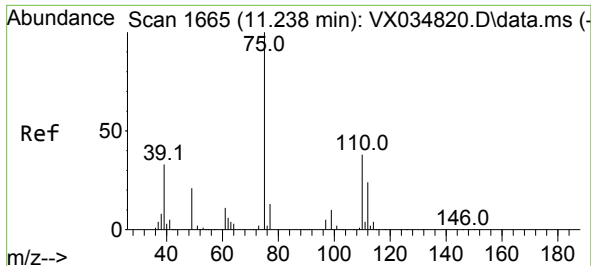
Tgt Ion:117 Resp: 411510
Ion Ratio Lower Upper
117 100
82 59.7 45.0 67.4
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion:152 Resp: 181617
Ion Ratio Lower Upper
152 100
115 63.3 45.0 135.0
150 156.3 0.0 352.4

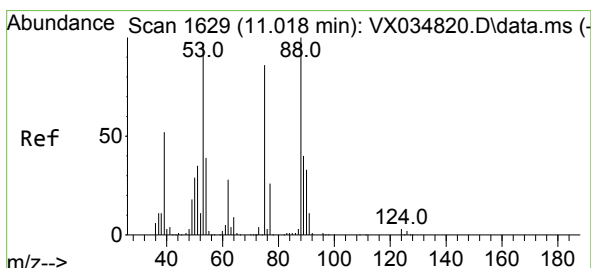
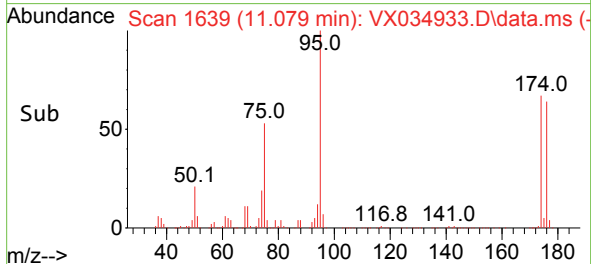
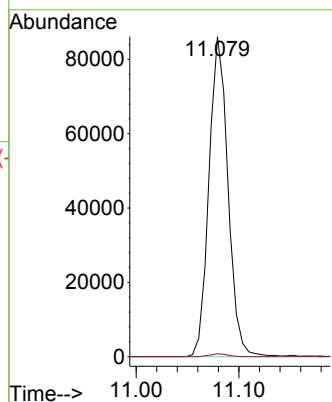
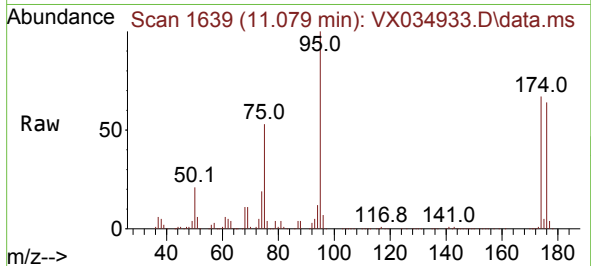




#76
1,2,3-Trichloropropane
Concen: 30.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Instrument :
MSVOA_X
ClientSampleId :
T-5

Tgt Ion: 75 Resp: 110673
Ion Ratio Lower Upper
75 100
77 0.8 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034933.D
Acq: 03 Apr 2023 15:33

Tgt Ion: 75 Resp: 110673
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

