

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040208.D
 Acq On : 12 Feb 2024 18:32
 Operator : JC/MD
 Sample : P1371-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T60-AOP

Quant Time: Feb 13 00:42:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

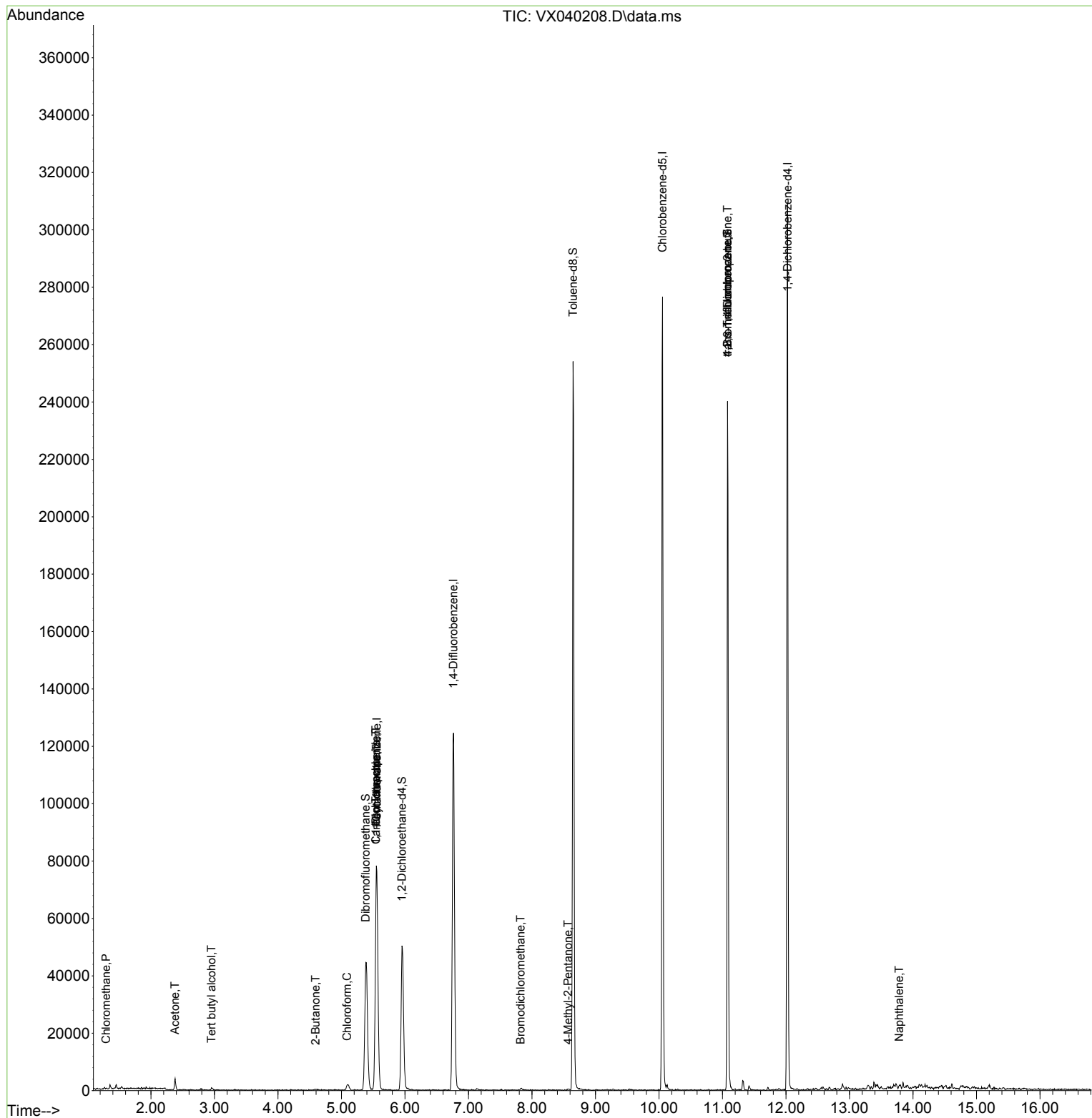
Internal Standards						
1) Pentafluorobenzene	5.556	168	74184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126075	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	49824	45.145	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.300%
35) Dibromofluoromethane	5.379	113	38963	44.254	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.500%
50) Toluene-d8	8.647	98	150249	45.620	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.240%#
62) 4-Bromofluorobenzene	11.079	95	62175	46.289	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.580%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	316	0.366	ug/l #	43
11) Tert butyl alcohol	2.953	59	913	4.247	ug/l	100
16) Acetone	2.380	43	3704	8.172	ug/l	94
20) Methylene Chloride	2.800	84	154	Below Cal	#	86
25) 2-Butanone	4.593	43	333	0.470	ug/l #	51
30) Chloroform	5.087	83	2463	1.467	ug/l	88
31) Cyclohexane	5.550	56	1669	1.268	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6088	4.936	ug/l #	48
38) Carbon Tetrachloride	5.544	117	7700	6.566	ug/l #	17
47) Bromodichloromethane	7.818	83	599	0.470	ug/l #	73
51) 4-Methyl-2-Pentanone	8.568	43	729	0.498	ug/l #	37
76) 1,2,3-Trichloropropane	11.079	75	32781	25.182	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	32781	69.244	ug/l #	5
95) Naphthalene	13.780	128	979	0.221	ug/l #	91

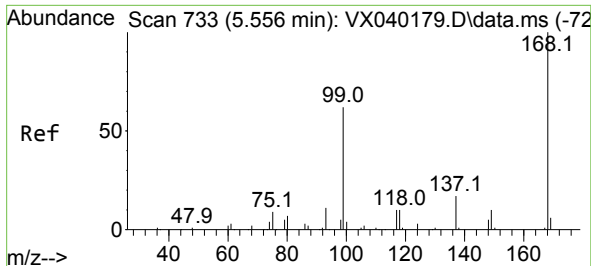
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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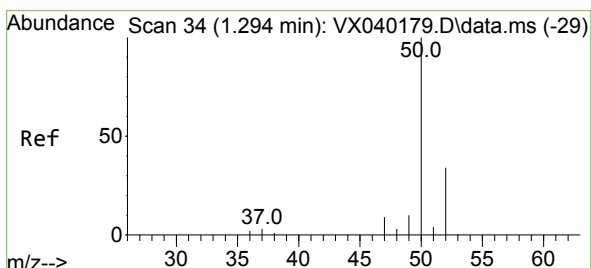
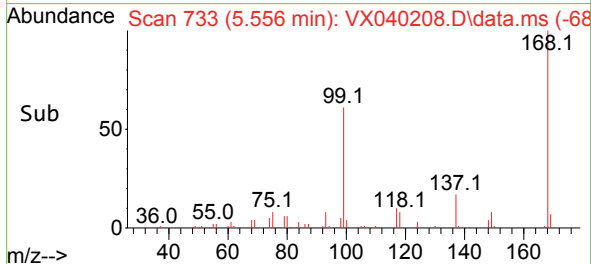
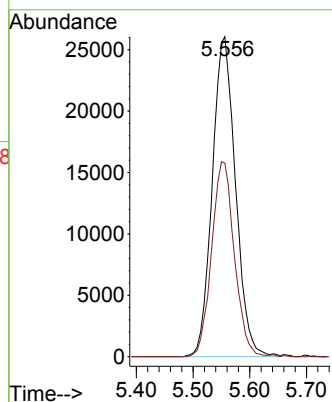
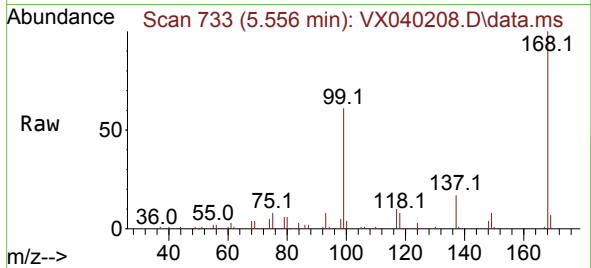




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

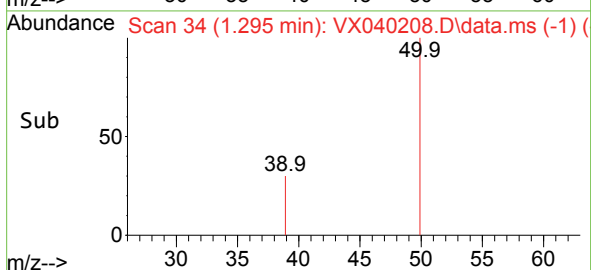
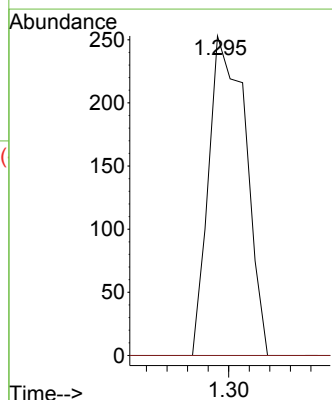
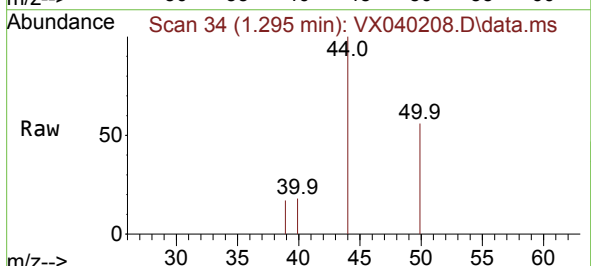
Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

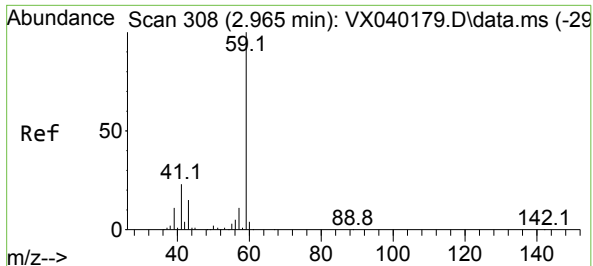
Tgt Ion:168 Resp: 74184
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#3
Chloromethane
Concen: 0.366 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

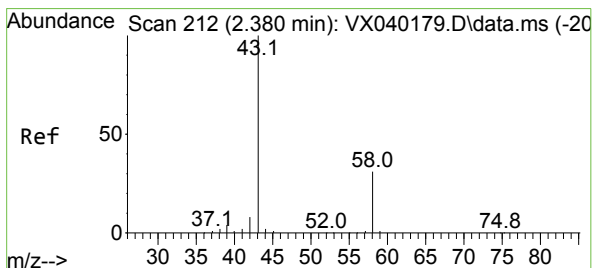
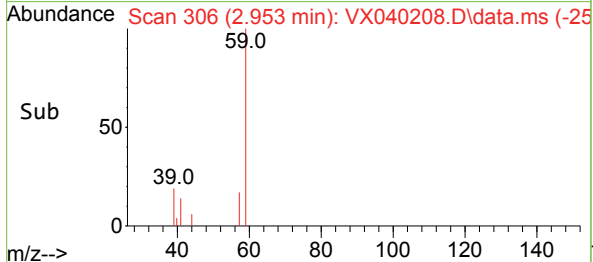
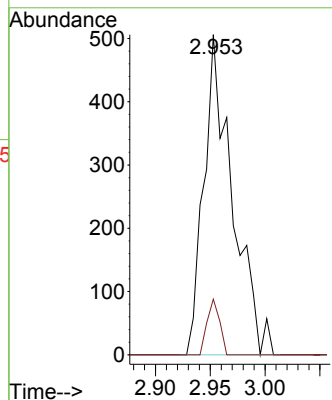
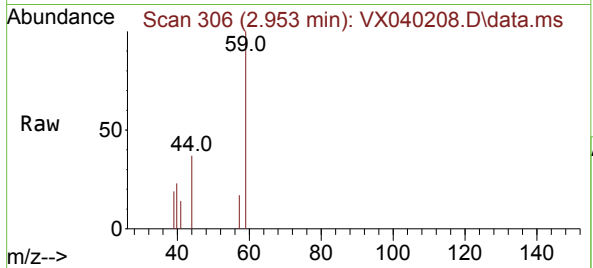




#11
Tert butyl alcohol
Concen: 4.247 ug/l
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

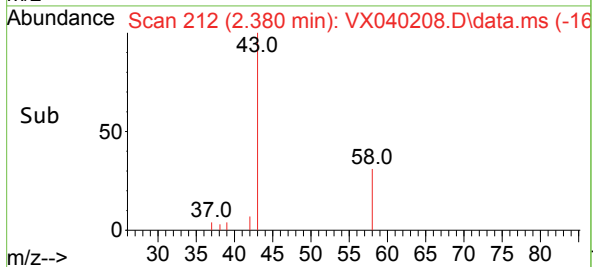
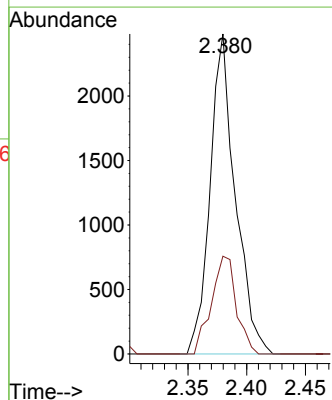
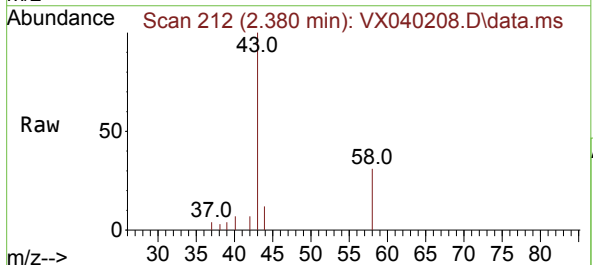
Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

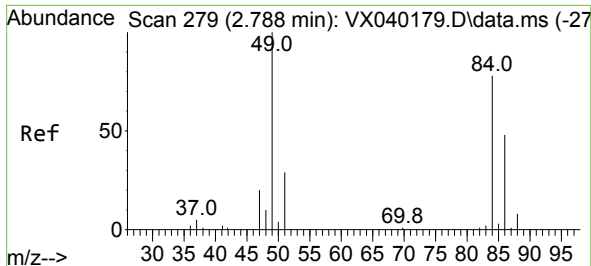
Tgt Ion: 59 Resp: 913
Ion Ratio Lower Upper
59 100
57 7.7 6.0 9.0



#16
Acetone
Concen: 8.172 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 43 Resp: 3704
Ion Ratio Lower Upper
43 100
58 30.6 21.9 32.9



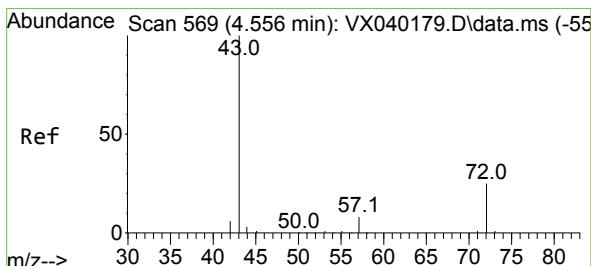
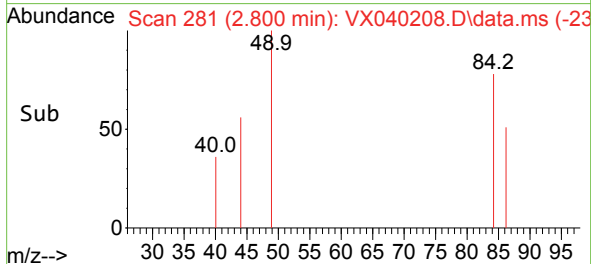
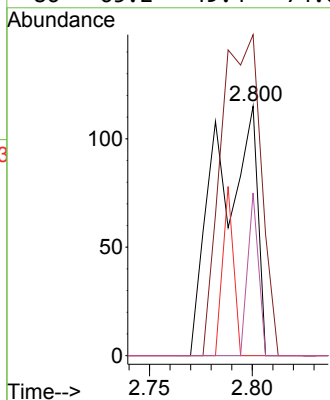
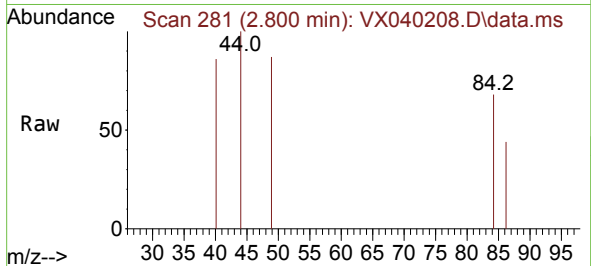


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

Tgt Ion: 84 Resp: 154

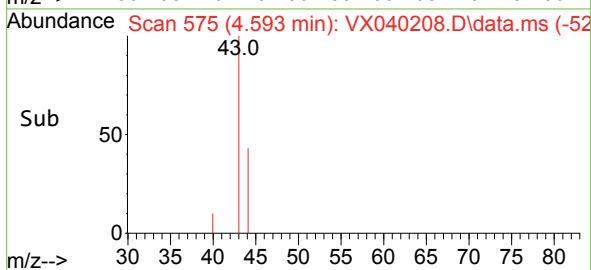
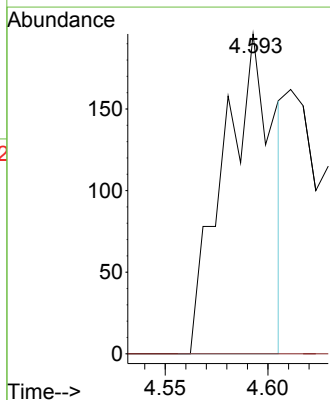
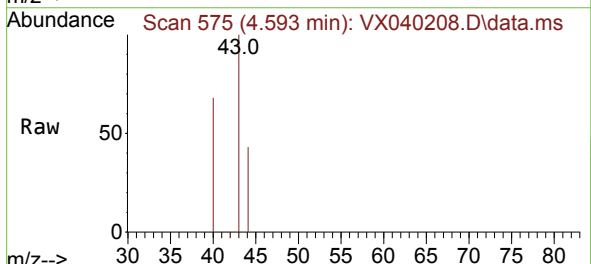
Ion	Ratio	Lower	Upper
84	100		
49	128.7	103.6	155.4
51	0.0	33.8	50.6#
86	65.2	49.4	74.0

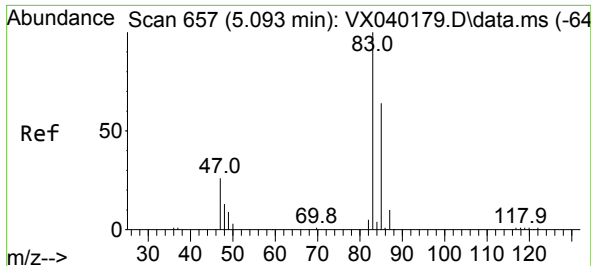


#25
2-Butanone
Concen: 0.470 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 43 Resp: 333

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

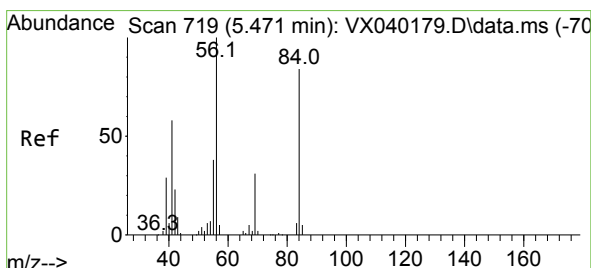
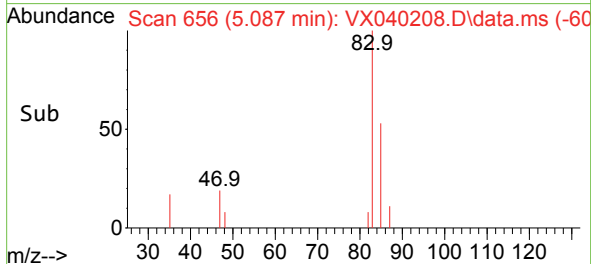
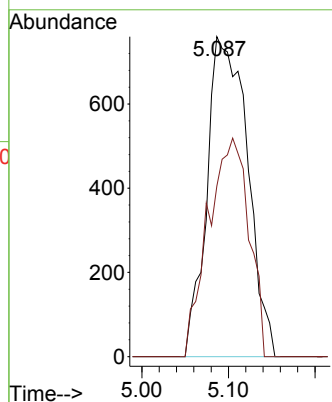
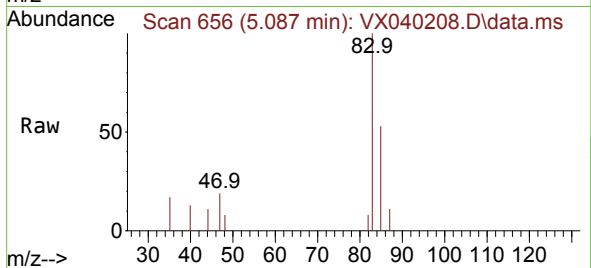




#30
Chloroform
Concen: 1.467 ug/l
RT: 5.087 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

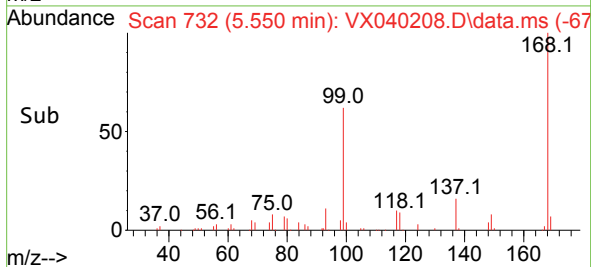
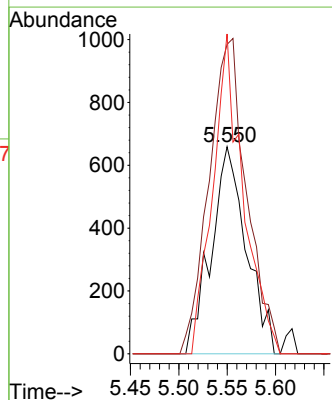
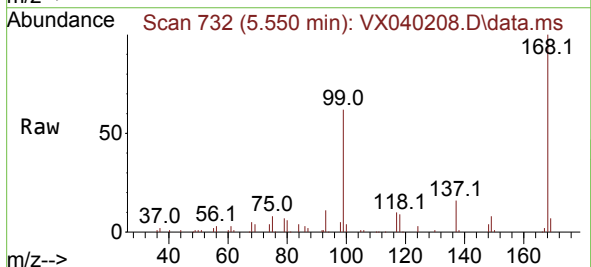
Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

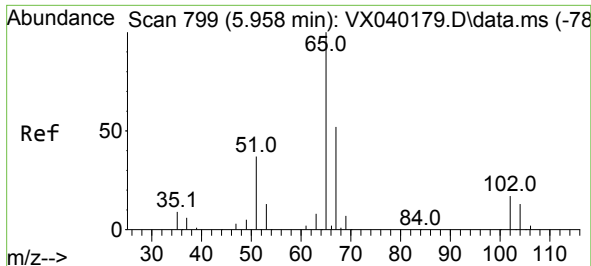
Tgt Ion: 83 Resp: 2463
Ion Ratio Lower Upper
83 100
85 53.3 50.3 75.5



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 56 Resp: 1669
Ion Ratio Lower Upper
56 100
69 149.5 23.4 35.2#
84 154.5 65.9 98.9#

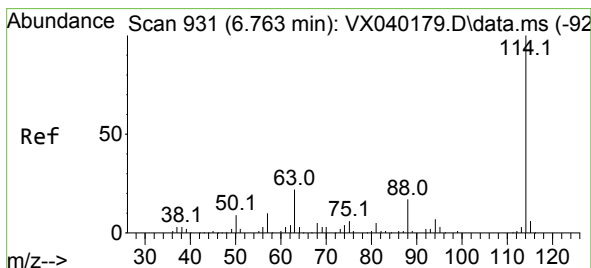
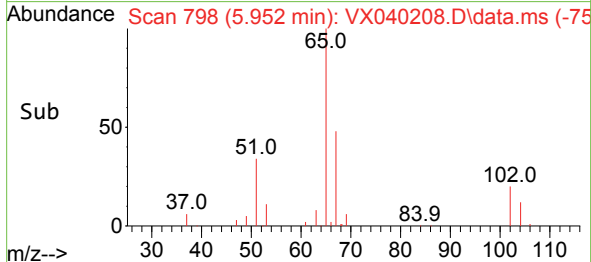
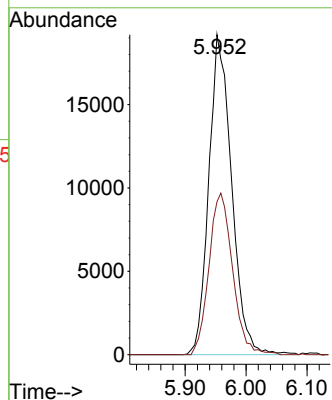
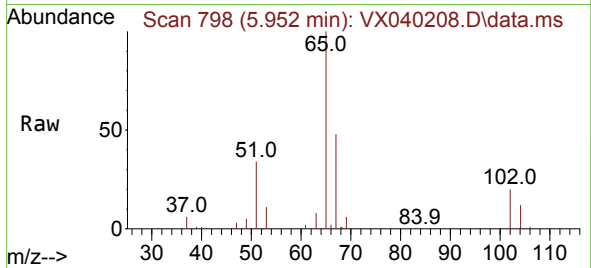




#33
 1,2-Dichloroethane-d4
 Concen: 45.145 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX040208.D
 Acq: 12 Feb 2024 18:32

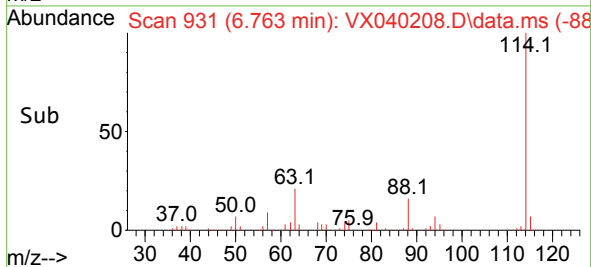
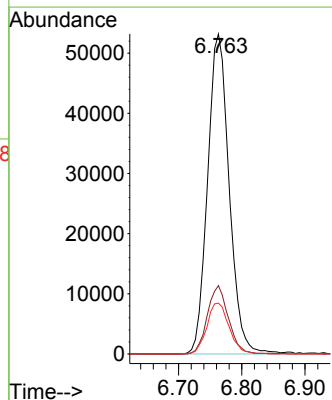
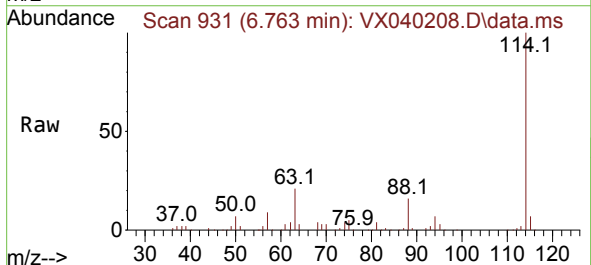
Instrument :
 MSVOA_X
 ClientSampleId :
 T60-AOP

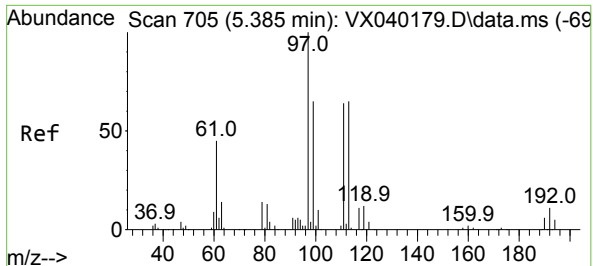
Tgt Ion: 65 Resp: 49824
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040208.D
 Acq: 12 Feb 2024 18:32

Tgt Ion: 114 Resp: 126075
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.0
 88 15.9 0.0 36.6

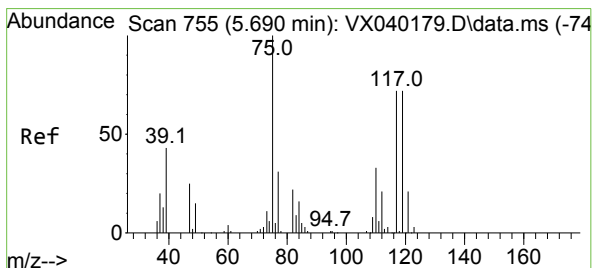
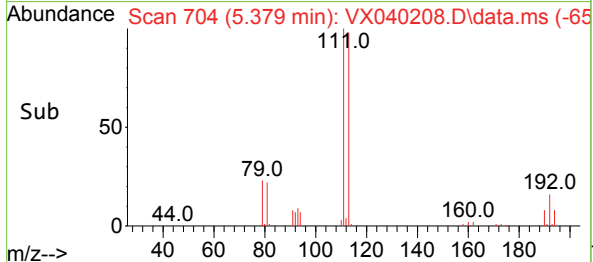
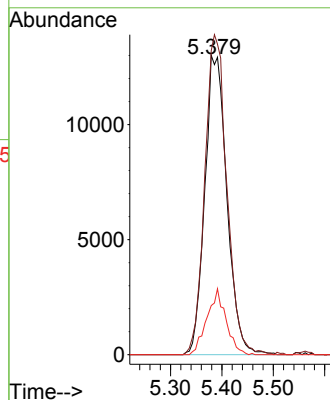
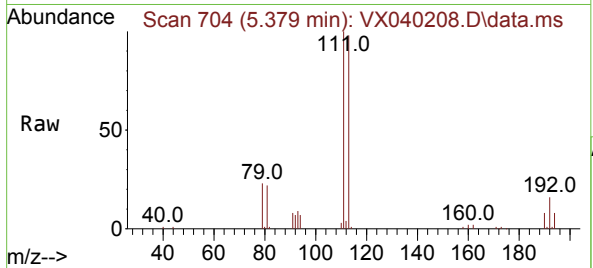




#35
Dibromofluoromethane
Concen: 44.254 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

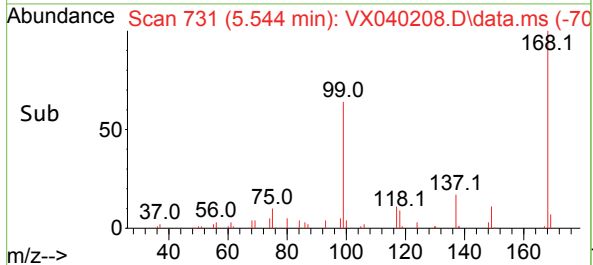
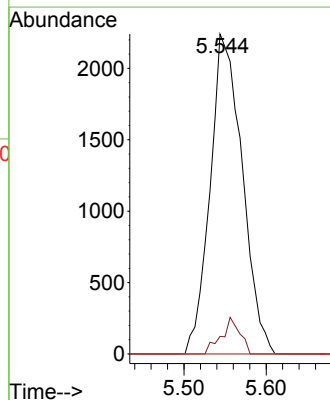
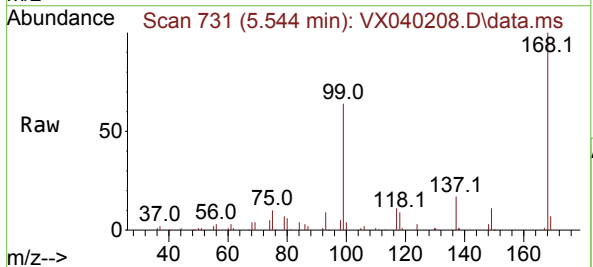
Instrument :
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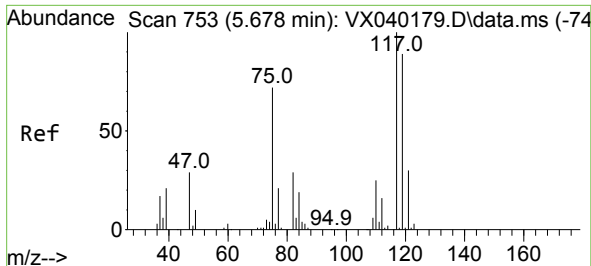
Tgt Ion:113 Resp: 38963
Ion Ratio Lower Upper
113 100
111 106.5 82.9 124.3
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

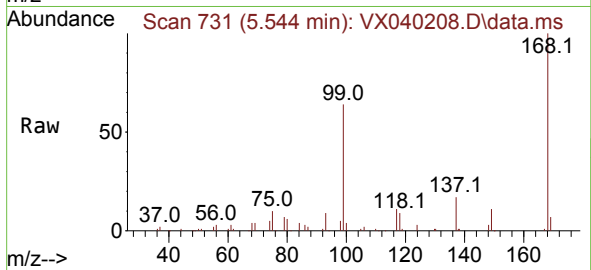
Tgt Ion: 75 Resp: 6088
Ion Ratio Lower Upper
75 100
110 6.6 17.0 50.9#
77 0.0 24.7 37.1#



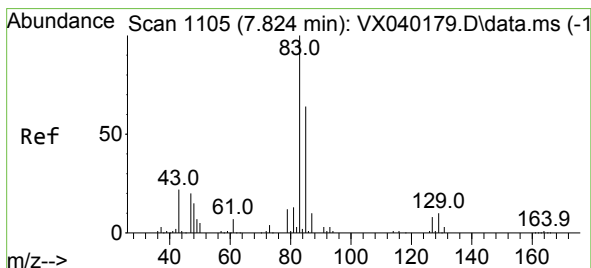
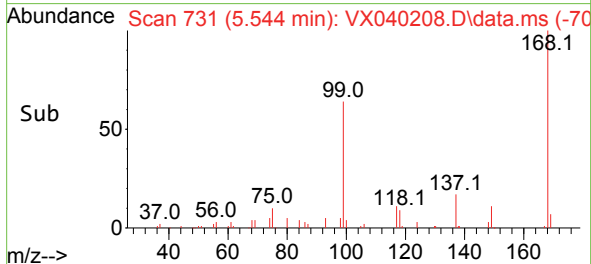
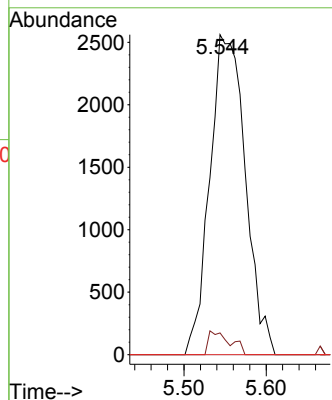


#38
Carbon Tetrachloride
Concen: 6.566 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

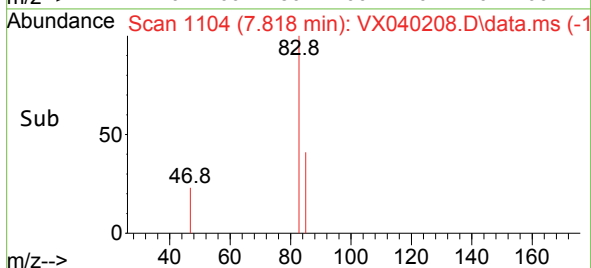
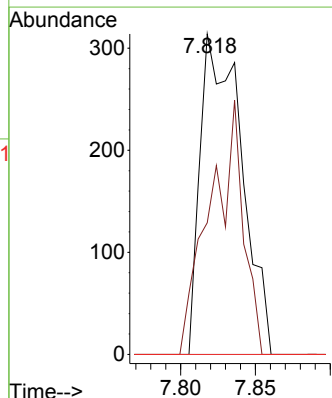
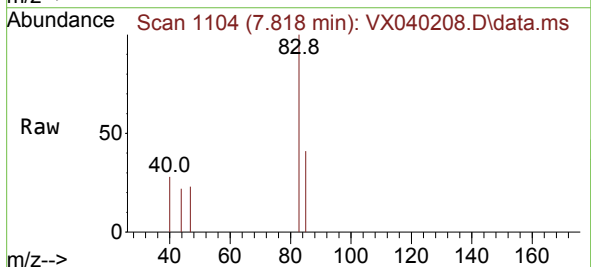


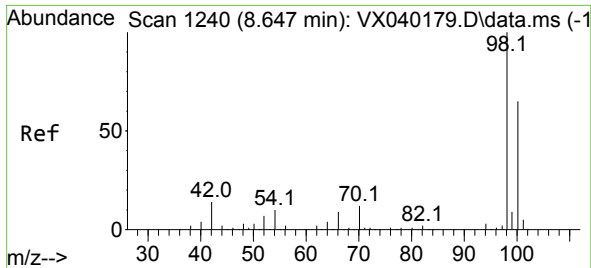
Tgt Ion:117 Resp: 7700
Ion Ratio Lower Upper
117 100
119 6.8 78.2 117.2#
121 0.0 24.4 36.6#



#47
Bromodichloromethane
Concen: 0.470 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 83 Resp: 599
Ion Ratio Lower Upper
83 100
85 41.1 49.8 74.6#
127 0.0 7.1 10.7#

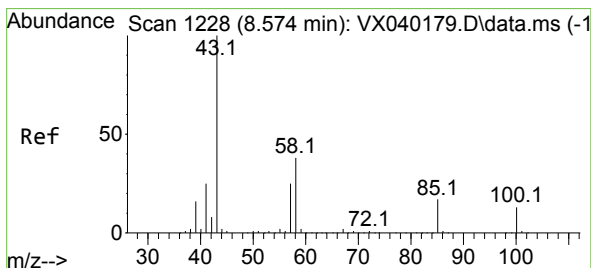
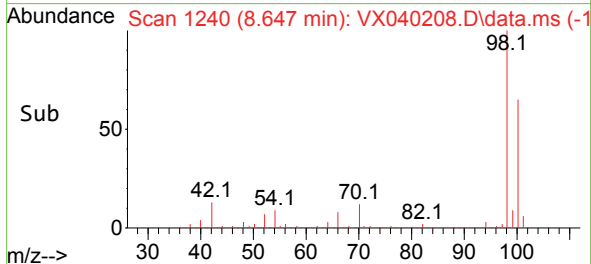
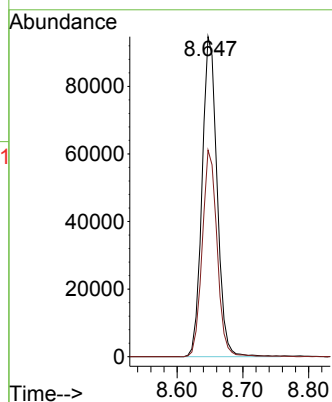
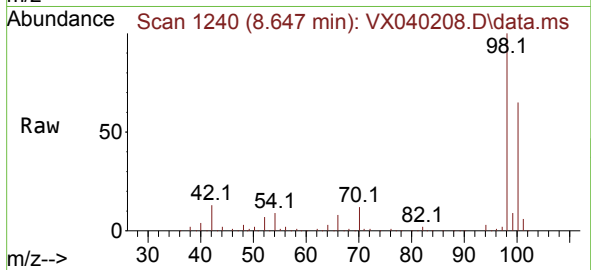




#50
Toluene-d8
Concen: 45.620 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

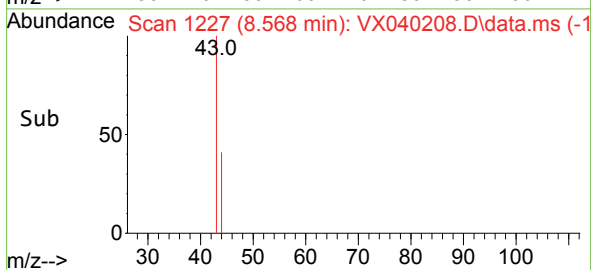
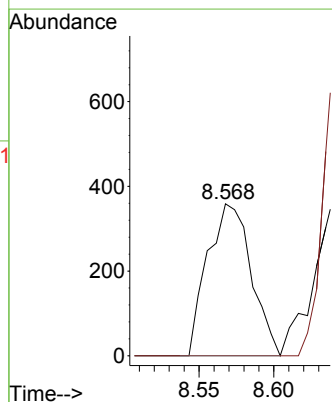
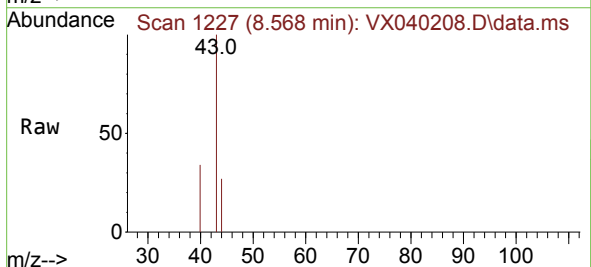
Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

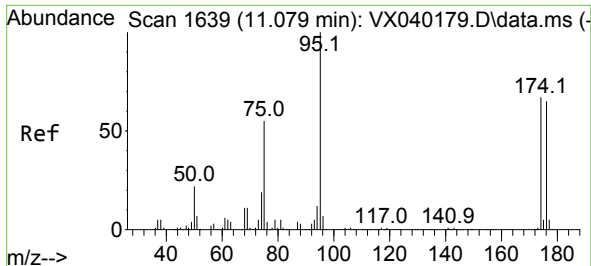
Tgt Ion: 98 Resp: 150249
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

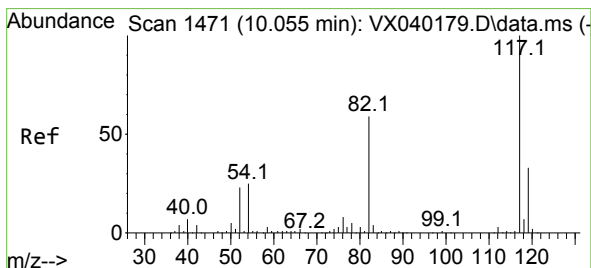
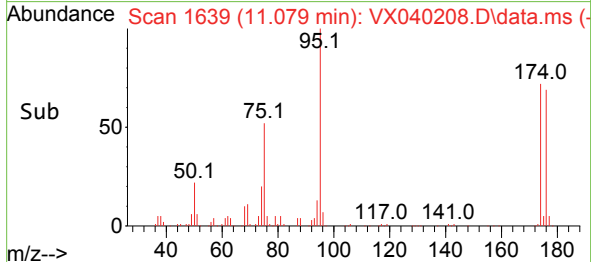
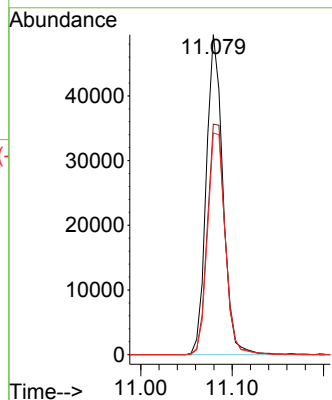
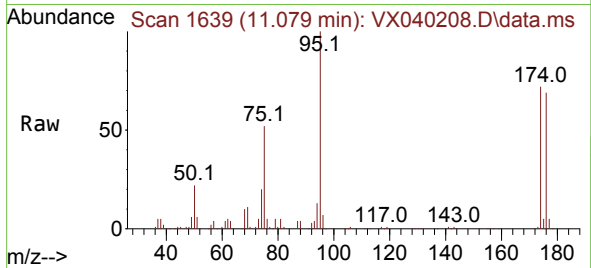




#62
4-Bromofluorobenzene
Concen: 46.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

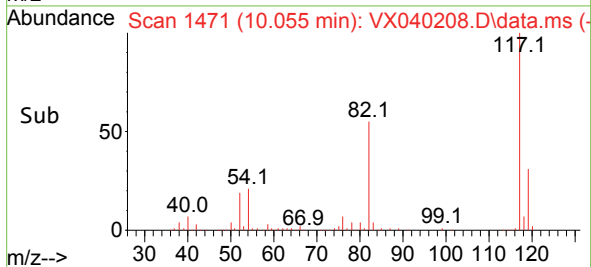
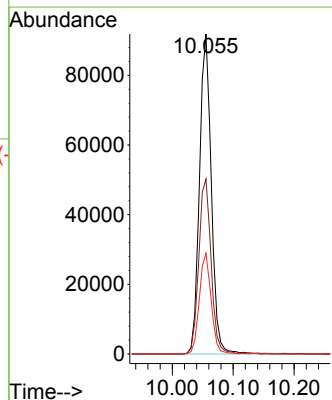
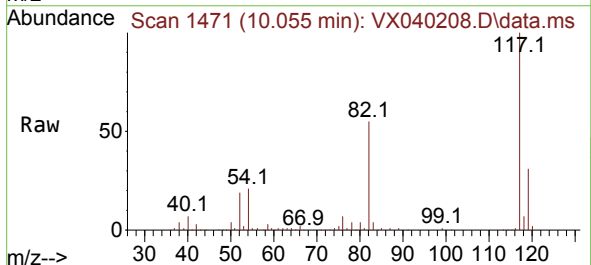
Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

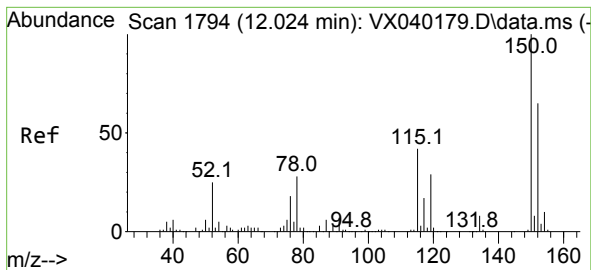
Tgt Ion: 95 Resp: 62175
Ion Ratio Lower Upper
95 100
174 77.4 0.0 135.6
176 73.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 117 Resp: 123953
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 31.5 25.5 38.3

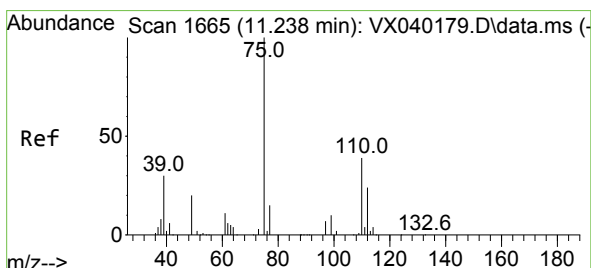
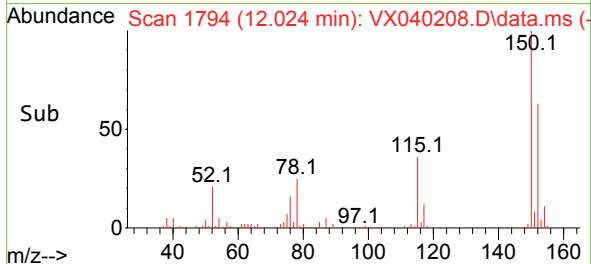
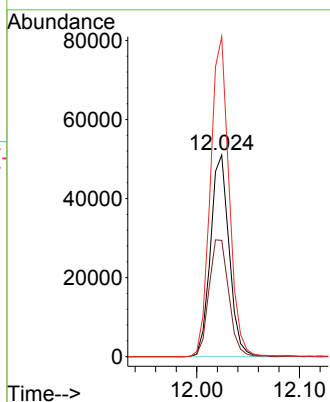
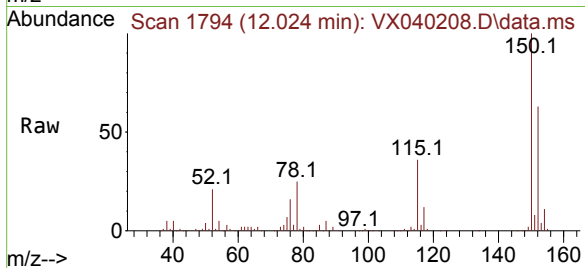




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

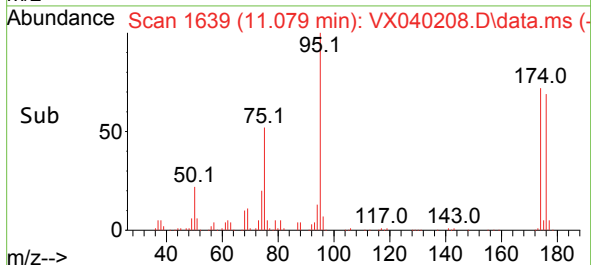
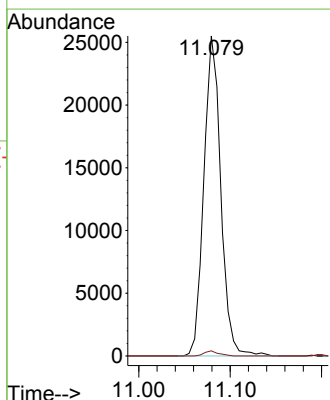
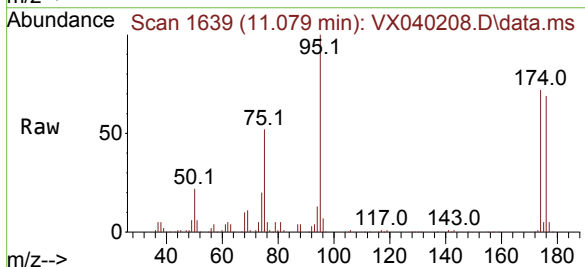
Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

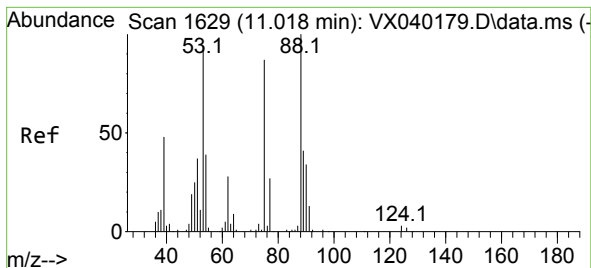
Tgt Ion:152 Resp: 64283
Ion Ratio Lower Upper
152 100
115 61.6 43.3 129.9
150 158.9 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 75 Resp: 32781
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

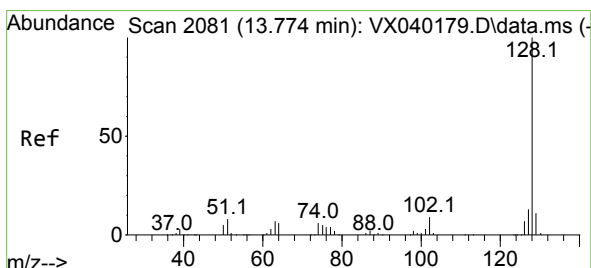
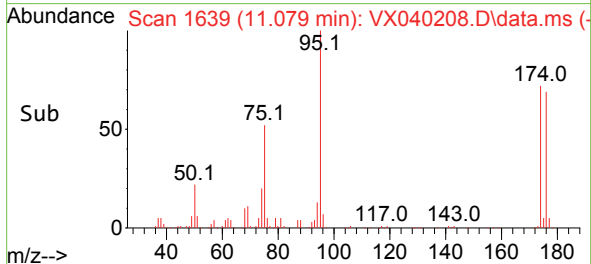
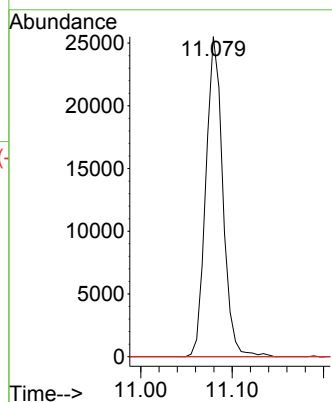
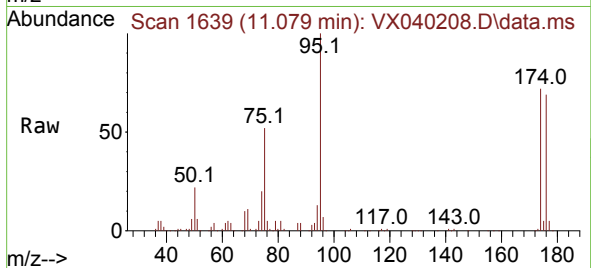




#81
trans-1,4-Dichloro-2-butene
Concen: 69.244 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
T60-AOP

Tgt Ion: 75 Resp: 32781
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.221 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040208.D
Acq: 12 Feb 2024 18:32

Tgt Ion: 128 Resp: 979
Ion Ratio Lower Upper
128 100
127 10.1 10.3 15.5#
129 15.3 8.8 13.2#

