

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034437.D
 Acq On : 13 Mar 2023 16:59
 Operator : JC/MD
 Sample : 01879-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 02:27:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

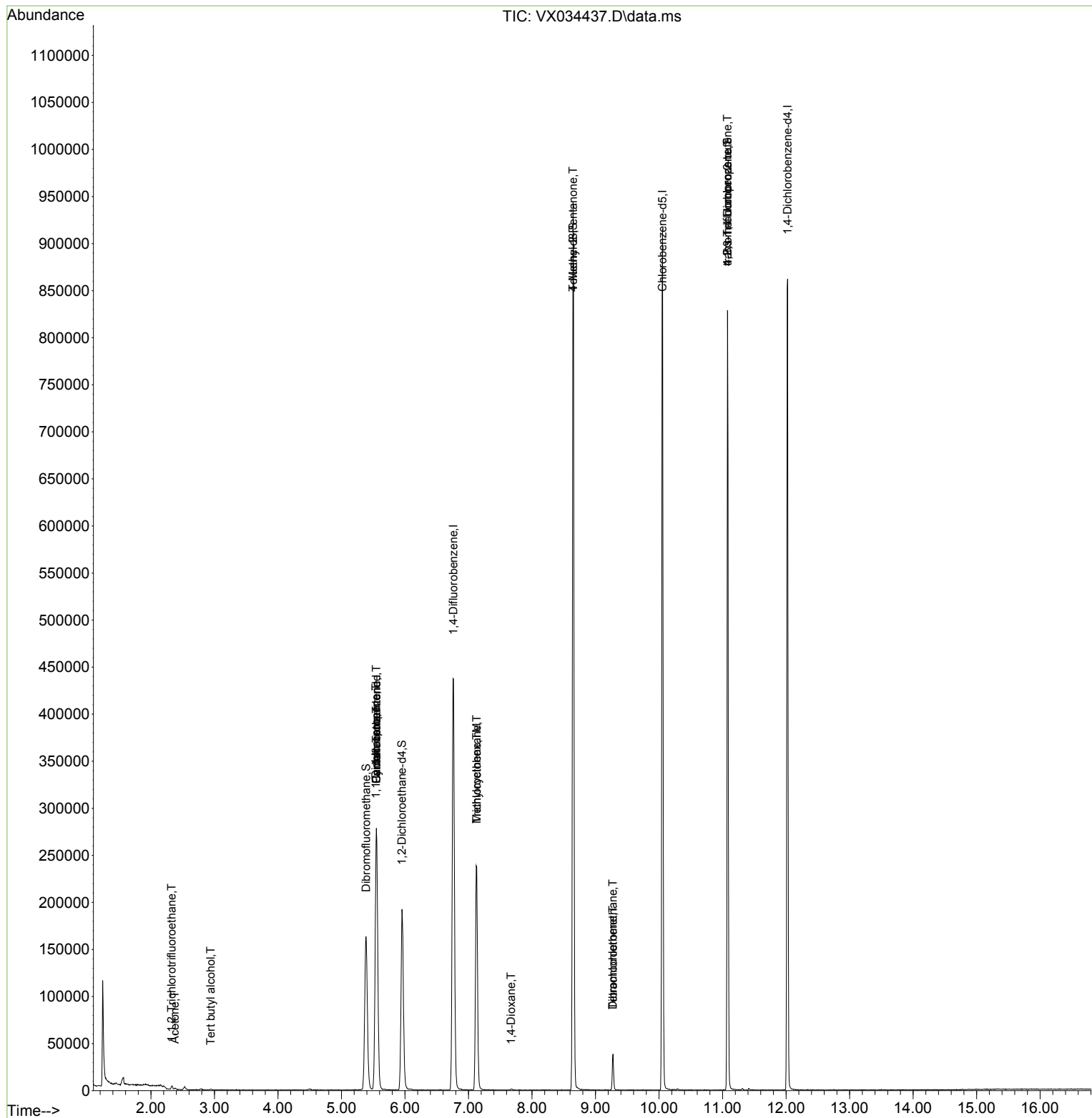
Internal Standards						
1) Pentafluorobenzene	5.550	168	264490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453640	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	175731	45.671	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.340%
35) Dibromofluoromethane	5.385	113	142192	47.474	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.940%
50) Toluene-d8	8.647	98	548296	49.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.080%
62) 4-Bromofluorobenzene	11.079	95	209135	46.307	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	356	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.325	101	1271	0.432	ug/l #	91
11) Tert butyl alcohol	2.941	59	382	0.477	ug/l #	73
16) Acetone	2.374	43	1401	0.773	ug/l	91
31) Cyclohexane	5.550	56	5697	1.056	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	21694	4.716	ug/l #	50
38) Carbon Tetrachloride	5.550	117	26990	5.898	ug/l #	16
39) Methylcyclohexane	7.129	83	1214	0.221	ug/l #	1
44) Trichloroethene	7.129	130	94336	26.979	ug/l	98
49) 1,4-Dioxane	7.671	88	1070	12.441	ug/l #	85
51) 4-Methyl-2-Pentanone	8.647	43	2620	0.530	ug/l #	1
60) Dibromochloromethane	9.275	129	5967	1.721	ug/l #	10
64) Tetrachloroethene	9.275	164	6571	2.409	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	105854	25.467	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	105854	68.897	ug/l #	8

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

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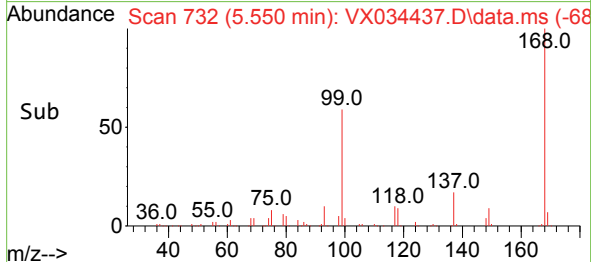
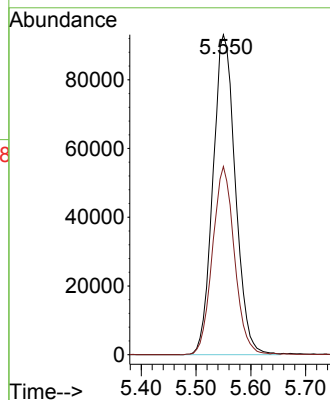
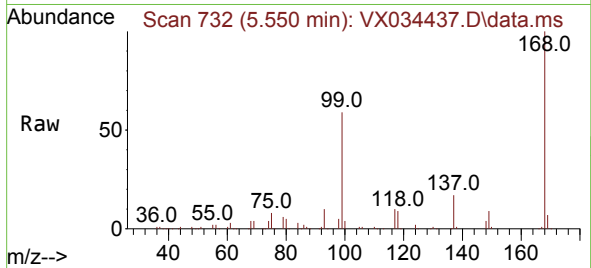




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

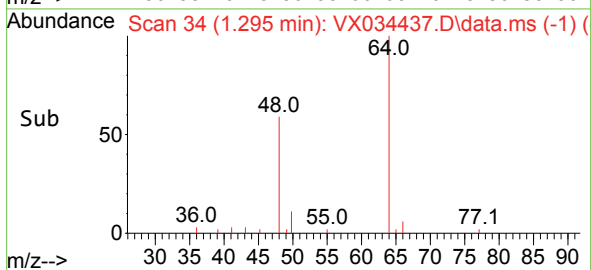
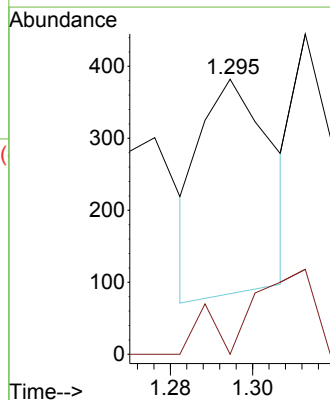
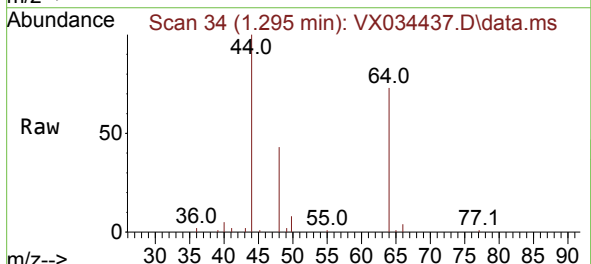
Instrument :
MSVOA_X
ClientSampleId :

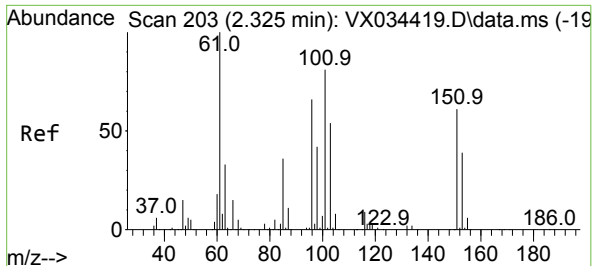
Tgt Ion:168 Resp: 264490
Ion Ratio Lower Upper
168 100
99 58.8 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

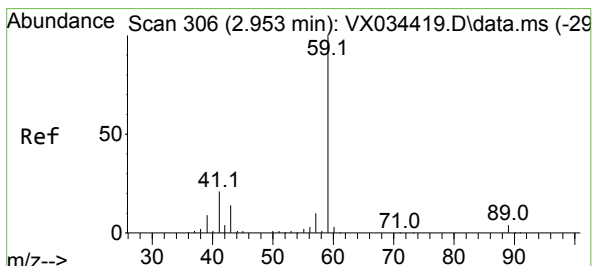
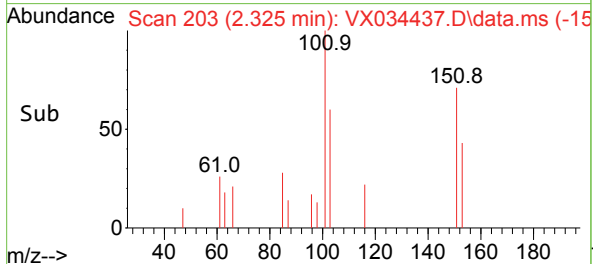
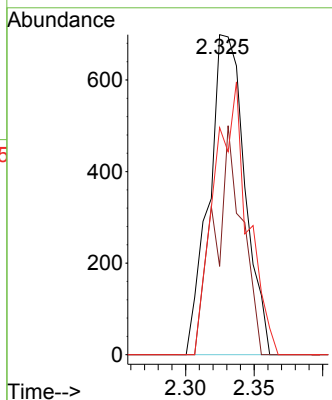
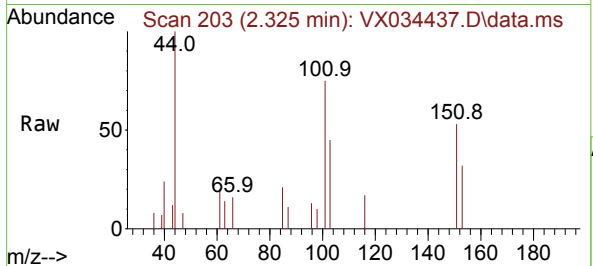




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.432 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

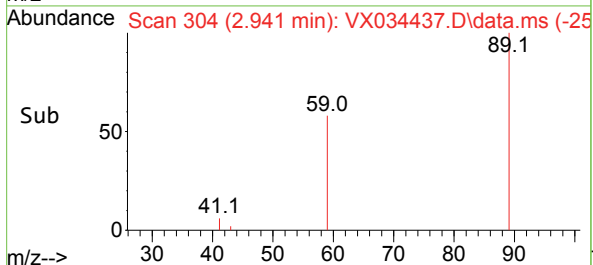
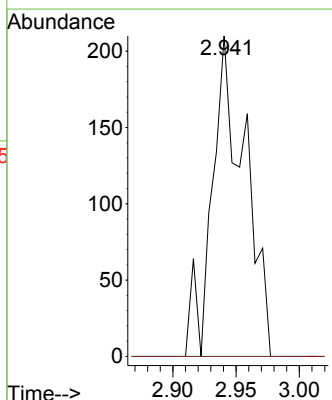
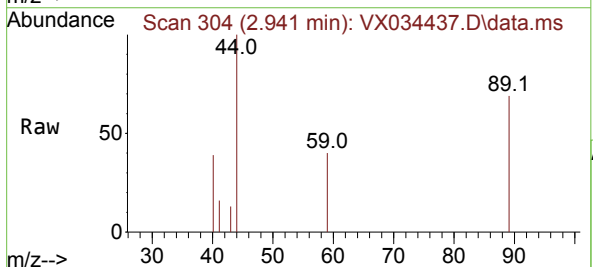
Instrument :
MSVOA_X
ClientSampleId :

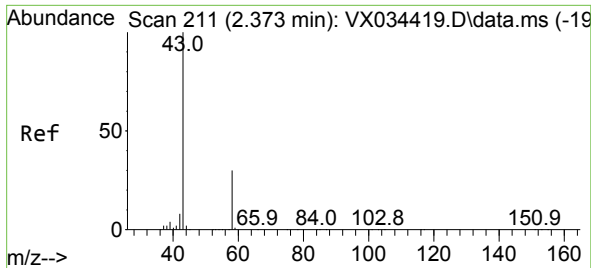
Tgt Ion:101 Resp: 1271
Ion Ratio Lower Upper
101 100
85 55.3 35.4 53.2#
151 79.4 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.477 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

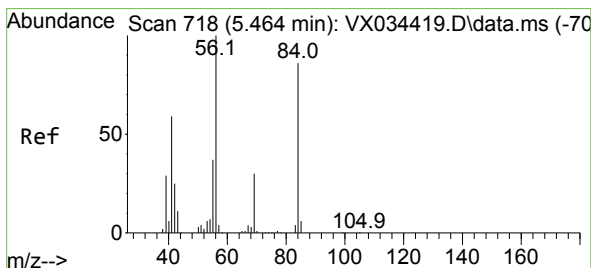
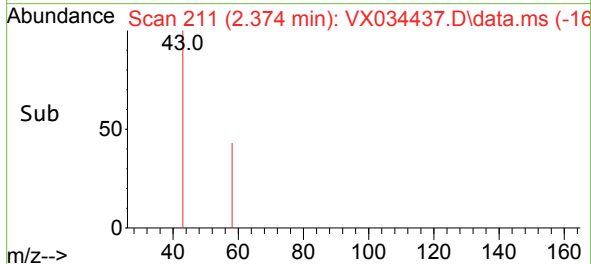
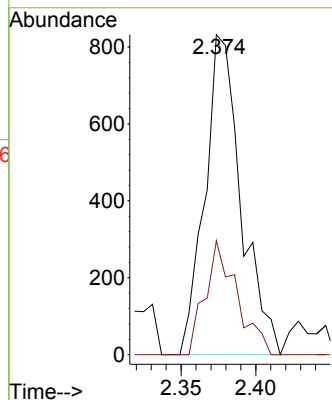
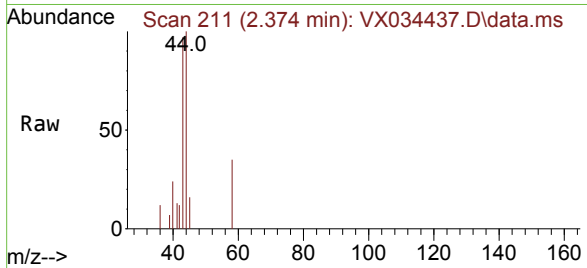




#16
Acetone
Concen: 0.773 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

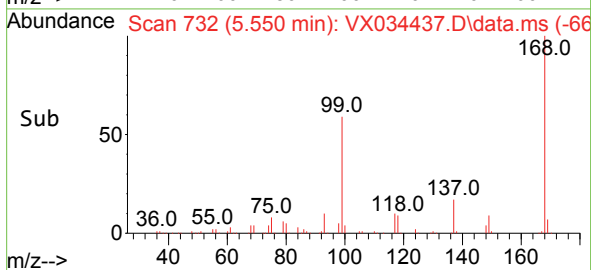
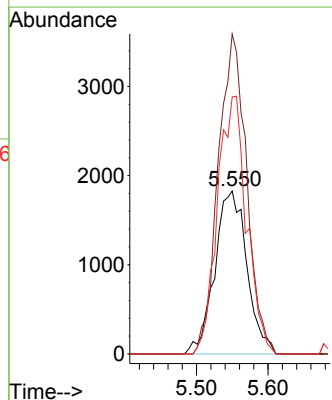
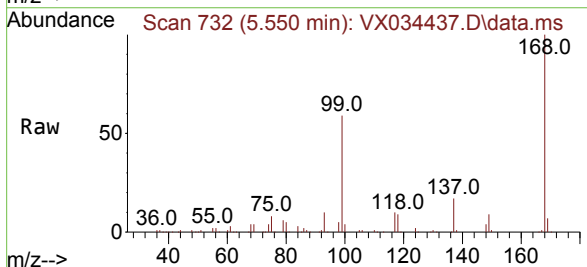
Instrument :
MSVOA_X
ClientSampleId :

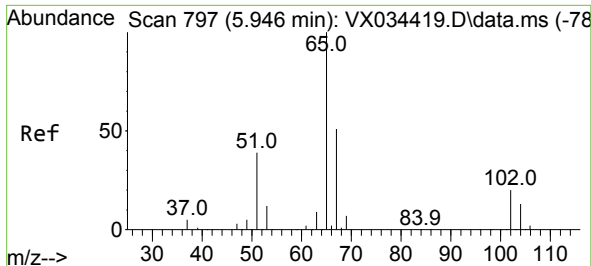
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 35.6 24.7 37.1



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion: 56 Resp: 5697
Ion Ratio Lower Upper
56 100
69 196.4 23.7 35.5#
84 157.9 68.5 102.7#

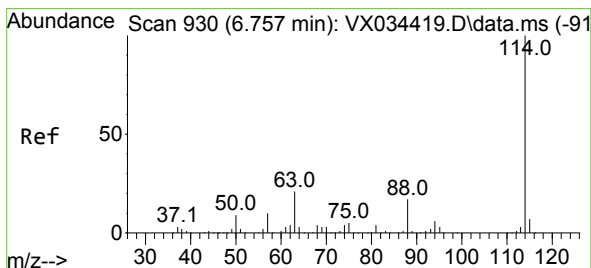
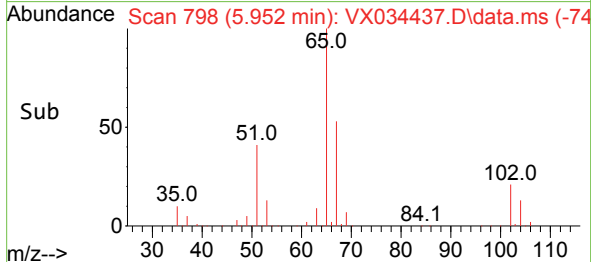
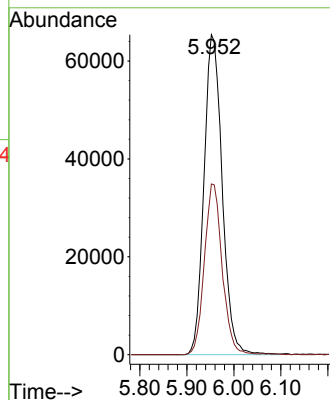
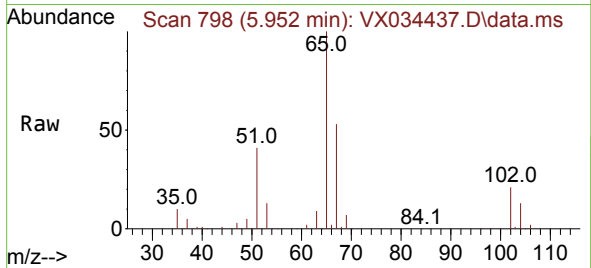




#33
1,2-Dichloroethane-d4
Concen: 45.671 ug/l
RT: 5.952 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

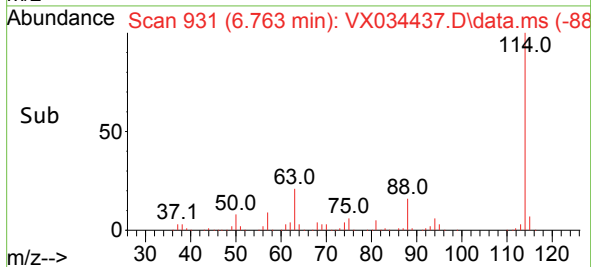
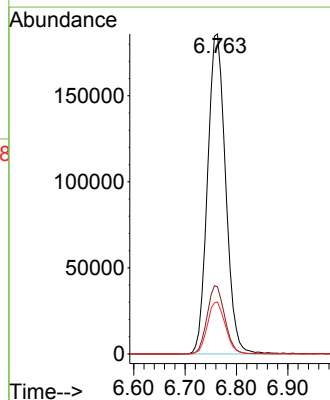
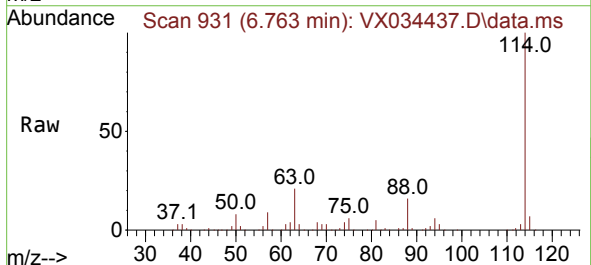
Instrument :
MSVOA_X
ClientSampleId :

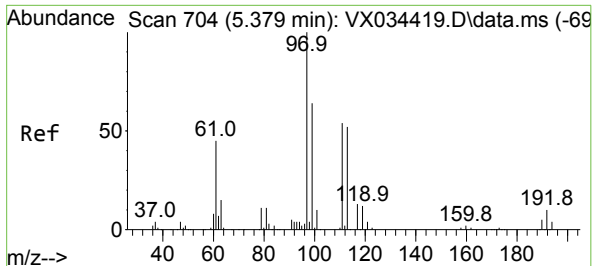
Tgt Ion: 65 Resp: 175731
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion:114 Resp: 453640
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.2
88 16.3 0.0 33.2

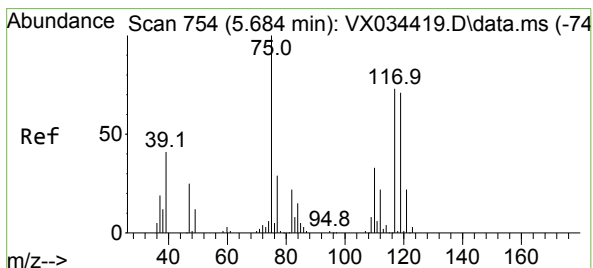
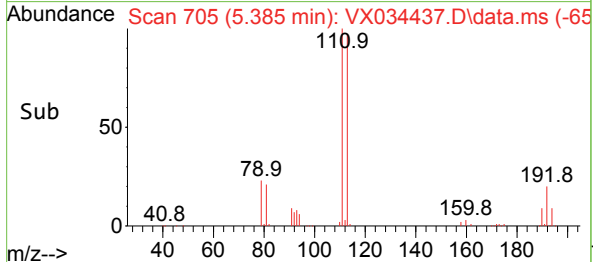
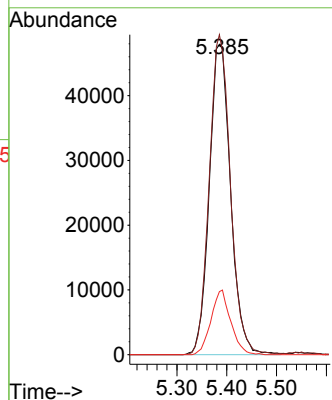
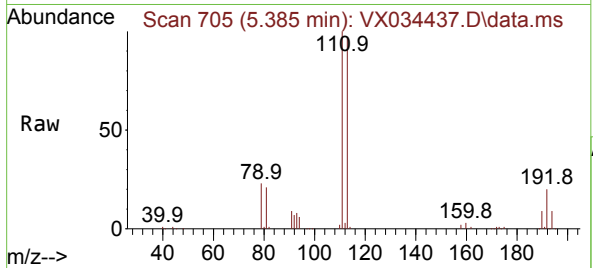




#35
Dibromofluoromethane
Concen: 47.474 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

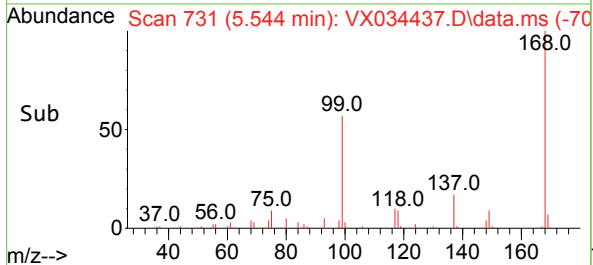
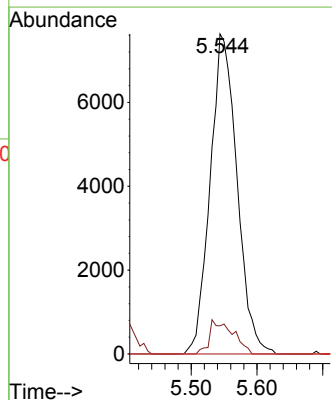
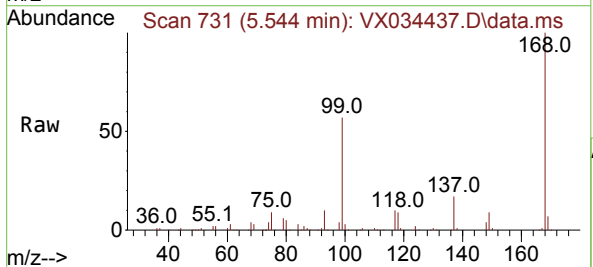
Instrument :
MSVOA_X
ClientSampleId :

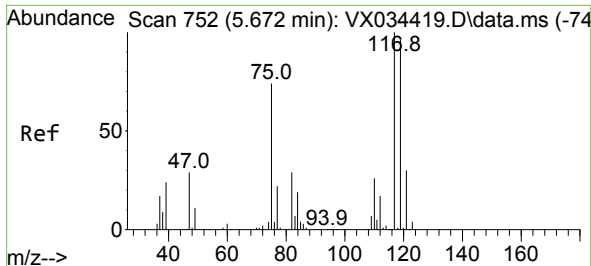
Tgt Ion:113 Resp: 142192
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 19.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

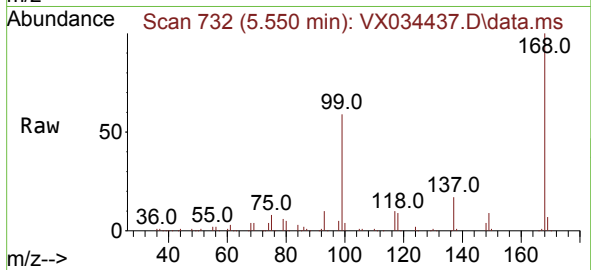
Tgt Ion: 75 Resp: 21694
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



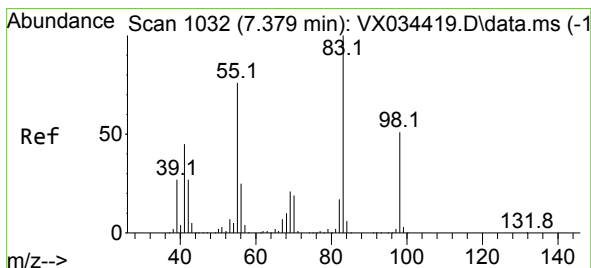
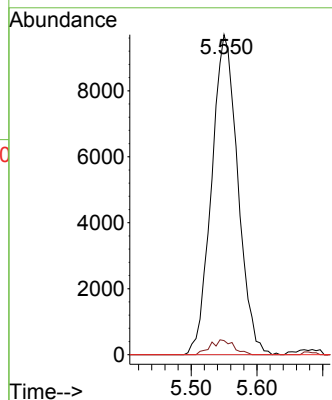
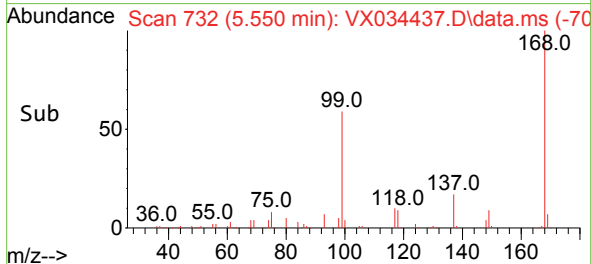


#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Instrument :
MSVOA_X
ClientSampleId :

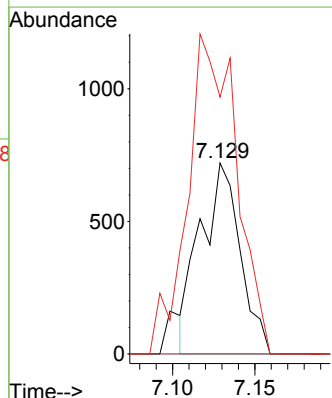
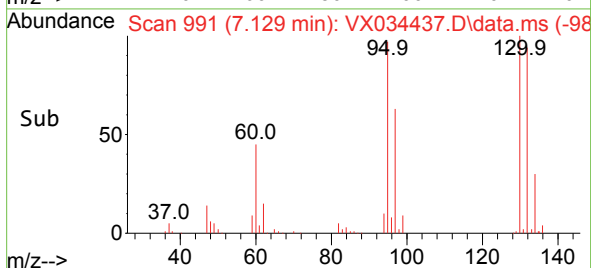
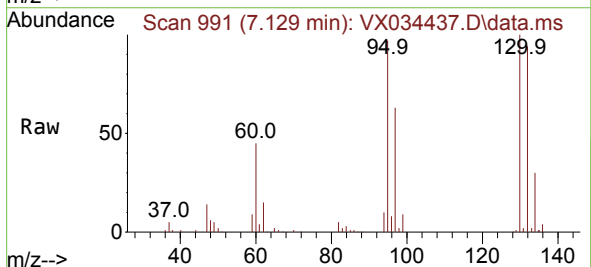


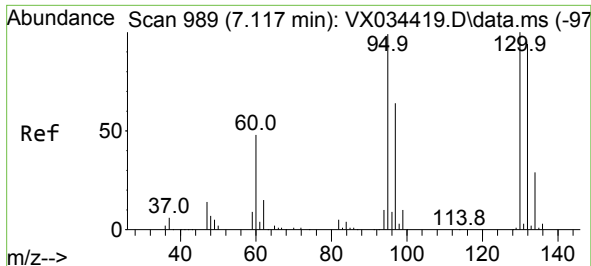
Tgt Ion:117 Resp: 26990
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.221 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion: 83 Resp: 1214
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 134.6 40.4 60.6#

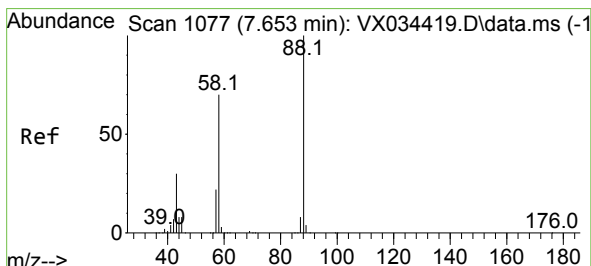
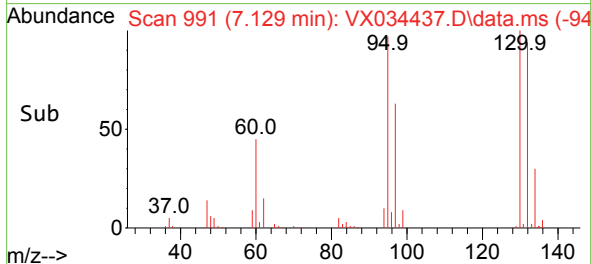
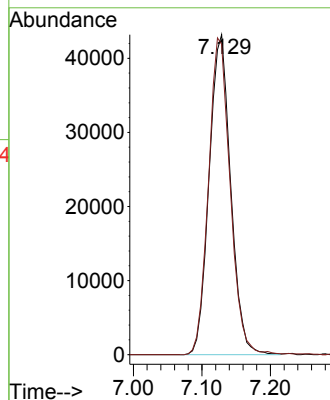
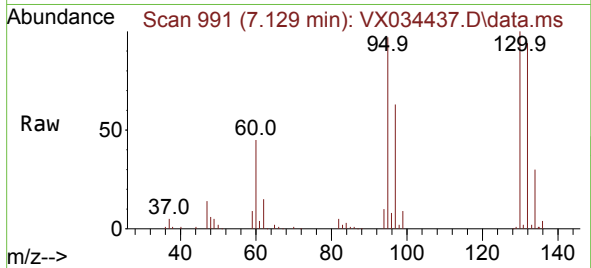




#44
Trichloroethene
Concen: 26.979 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.012 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

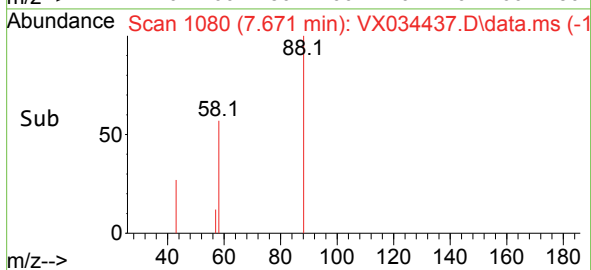
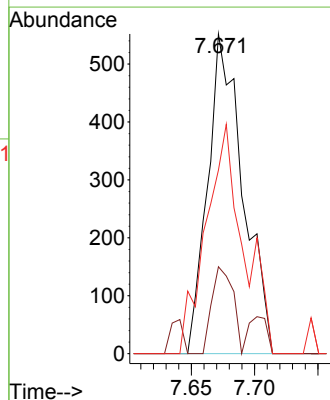
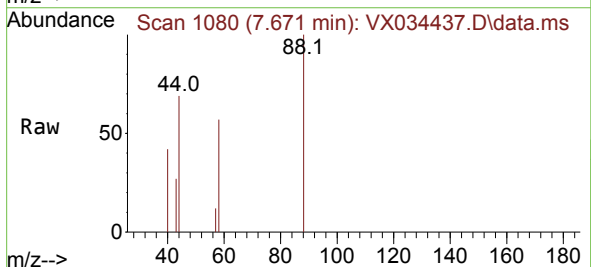
Instrument :
MSVOA_X
ClientSampleId :

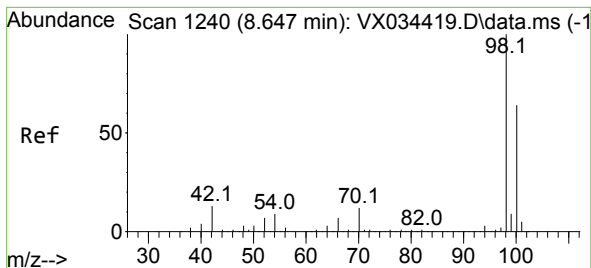
Tgt Ion:130 Resp: 94336
Ion Ratio Lower Upper
130 100
95 97.0 0.0 198.4



#49
1,4-Dioxane
Concen: 12.441 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion: 88 Resp: 1070
Ion Ratio Lower Upper
88 100
43 16.2 27.7 41.5#
58 76.4 56.8 85.2





#50

Toluene-d8

Concen: 49.038 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034437.D

Acq: 13 Mar 2023 16:59

Instrument :

MSVOA_X

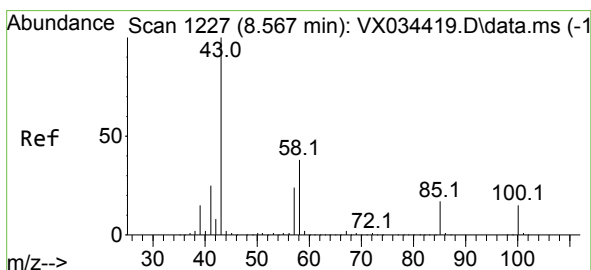
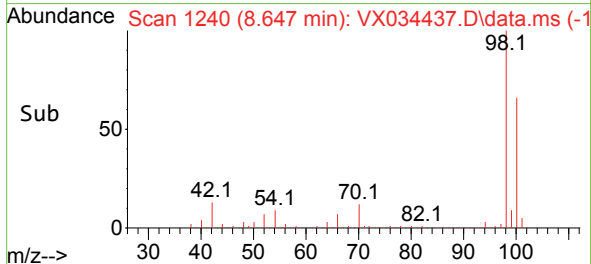
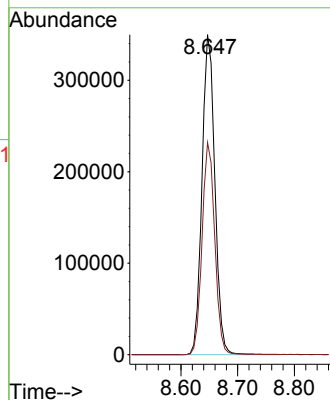
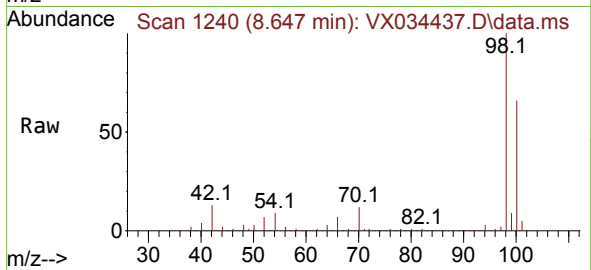
ClientSampleId :

Tgt Ion: 98 Resp: 548296

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.530 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.079 min

Lab File: VX034437.D

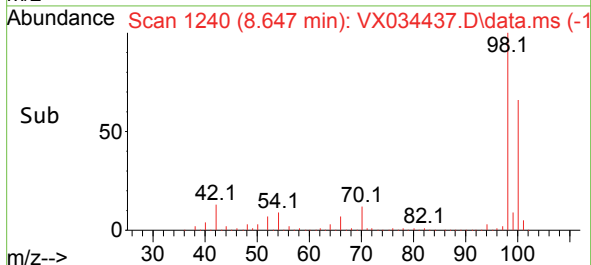
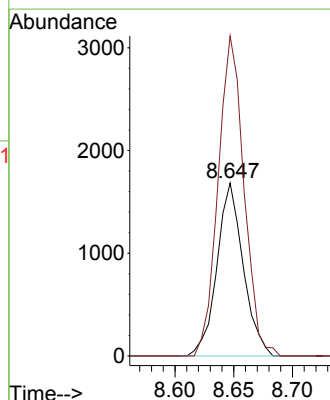
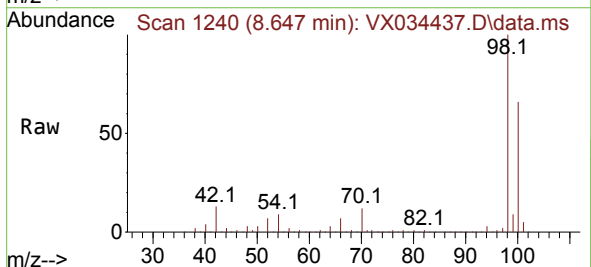
Acq: 13 Mar 2023 16:59

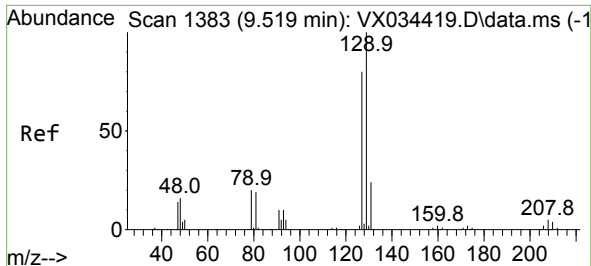
Tgt Ion: 43 Resp: 2620

Ion Ratio Lower Upper

43 100

58 182.0 30.6 46.0#

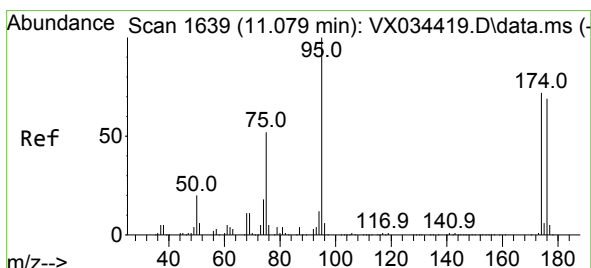
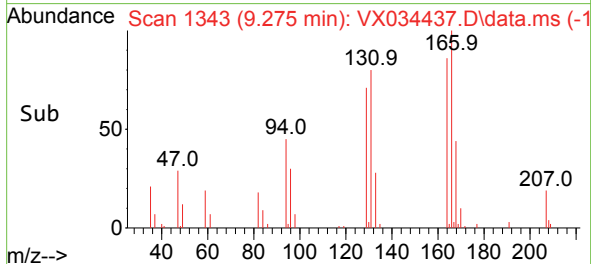
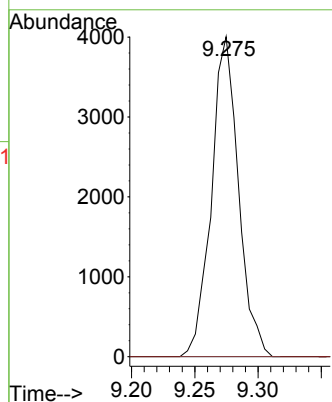
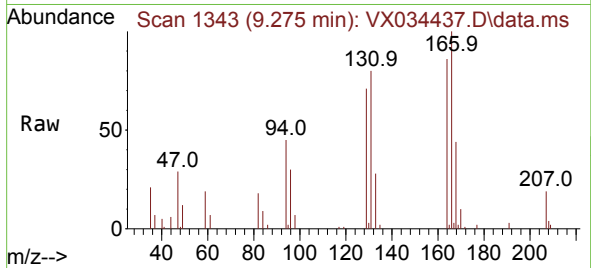




#60
Dibromochloromethane
Concen: 1.721 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

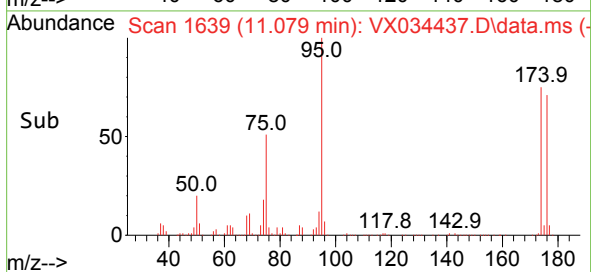
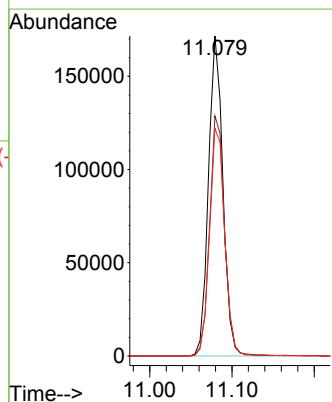
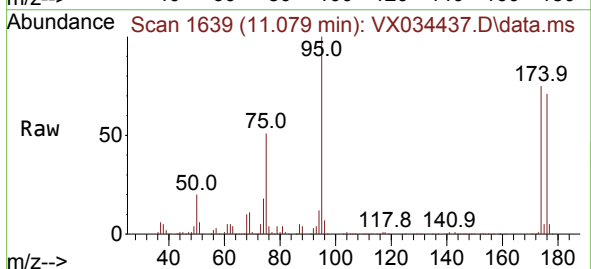
Instrument :
MSVOA_X
ClientSampleId :

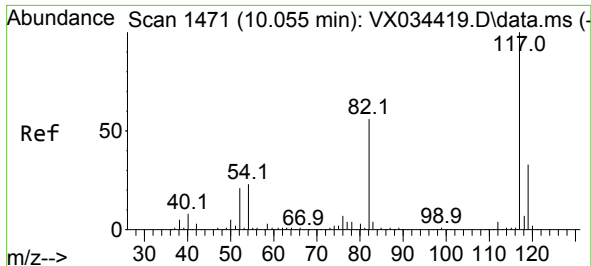
Tgt Ion:129 Resp: 5967
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion: 95 Resp: 209135
Ion Ratio Lower Upper
95 100
174 77.4 0.0 147.4
176 74.7 0.0 140.6

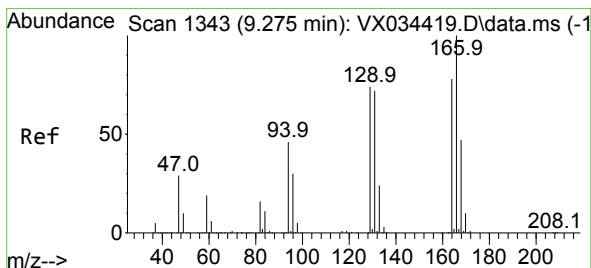
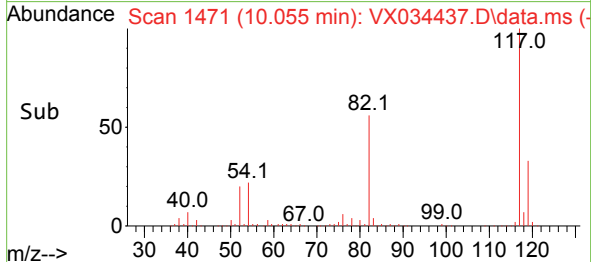
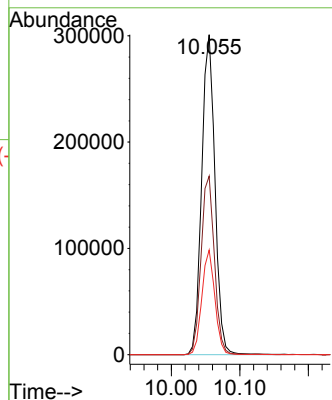
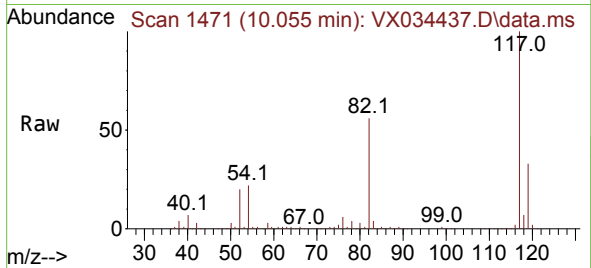




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

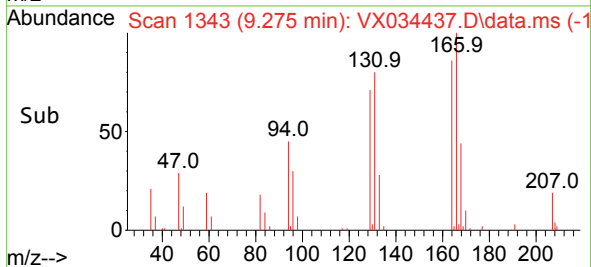
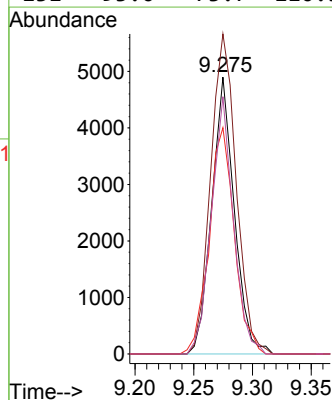
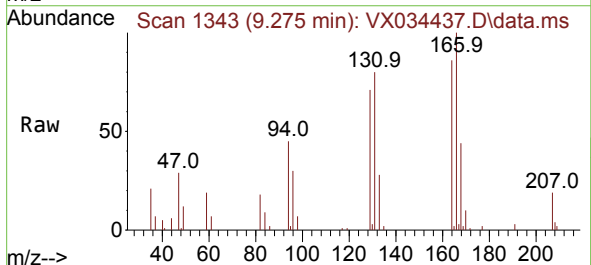
Instrument :
MSVOA_X
ClientSampleId :

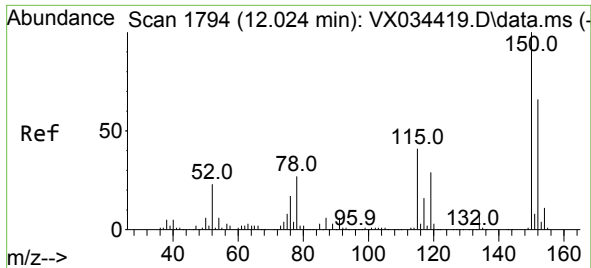
Tgt Ion:117 Resp: 406014
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 2.409 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034437.D
Acq: 13 Mar 2023 16:59

Tgt Ion:164 Resp: 6571
Ion Ratio Lower Upper
164 100
166 115.6 102.7 154.1
129 81.8 75.6 113.4
131 93.0 73.7 110.5

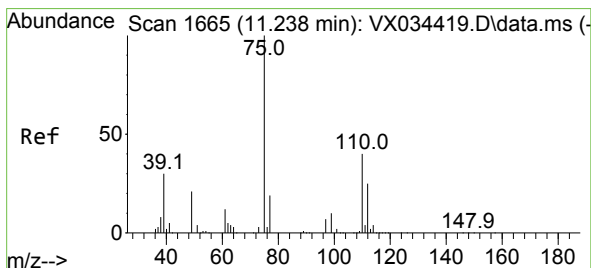
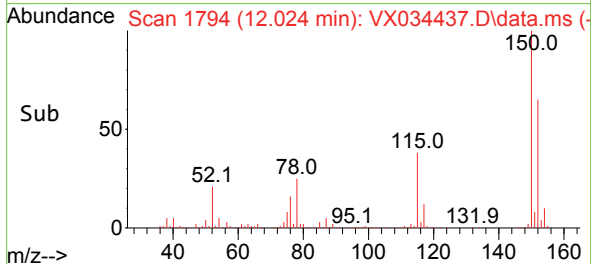
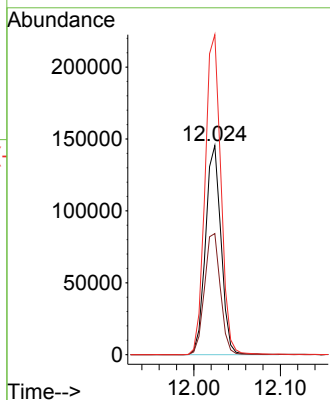
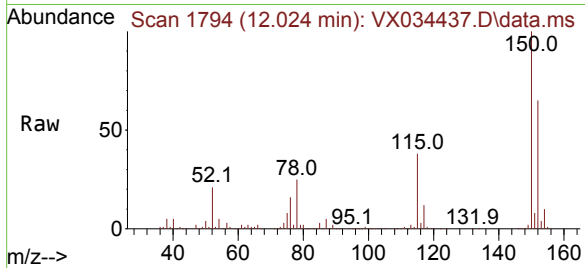




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034437.D
 Acq: 13 Mar 2023 16:59

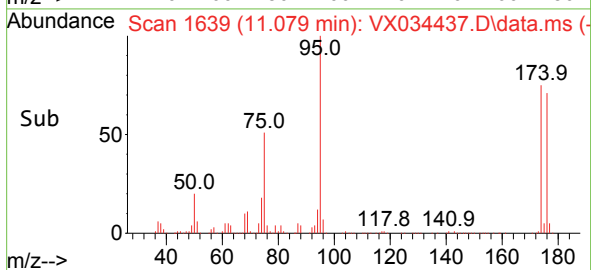
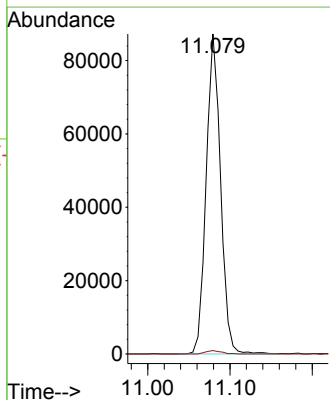
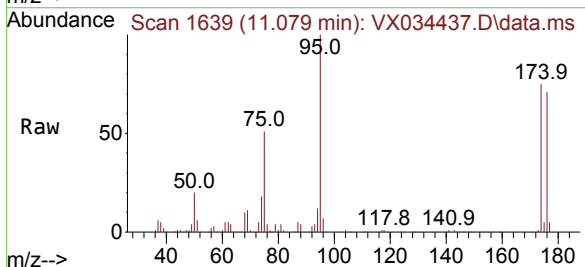
Instrument :
 MSVOA_X
 ClientSampleId :

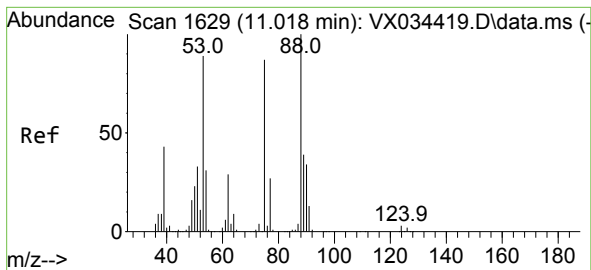
Tgt Ion:152 Resp: 181021
 Ion Ratio Lower Upper
 152 100
 115 59.5 45.0 135.0
 150 156.4 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 25.467 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034437.D
 Acq: 13 Mar 2023 16:59

Tgt Ion: 75 Resp: 105854
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.897 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034437.D
 Acq: 13 Mar 2023 16:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 105854
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

