

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091423\
 Data File : VX037730.D
 Acq On : 14 Sep 2023 15:50
 Operator : JC/MD
 Sample : 04408-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 01:34:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

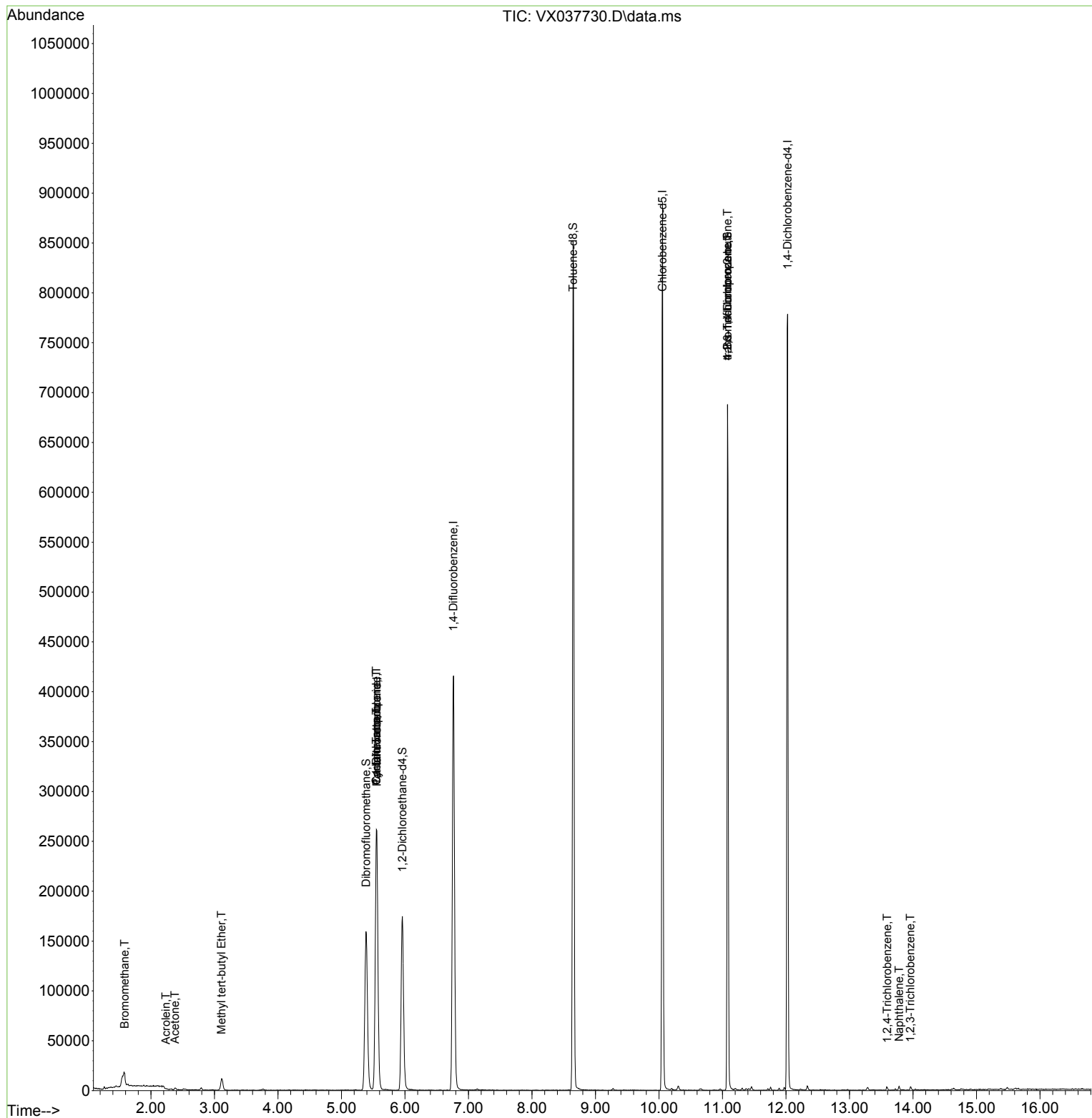
Internal Standards						
1) Pentafluorobenzene	5.556	168	254739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	436879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167525	40.647	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	81.300%	
35) Dibromofluoromethane	5.385	113	140148	45.258	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	90.520%	
50) Toluene-d8	8.647	98	523333	44.811	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	89.620%#	
62) 4-Bromofluorobenzene	11.079	95	181436	43.062	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	86.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	690	0.230	ug/l #	39
11) Tert butyl alcohol	2.965	59	205	Below Cal	#	78
13) Acrolein	2.233	56	342	0.508	ug/l #	40
16) Acetone	2.380	43	2007	1.204	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	13268	1.282	ug/l	97
20) Methylene Chloride	2.788	84	810	Below Cal	#	83
31) Cyclohexane	5.550	56	5685	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19414	4.609	ug/l #	51
38) Carbon Tetrachloride	5.550	117	25856	6.008	ug/l #	13
76) 1,2,3-Trichloropropane	11.079	75	91371	24.733	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	91371	75.180	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	1068	0.313	ug/l	95
95) Naphthalene	13.780	128	2998	0.243	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	1244	0.355	ug/l	84

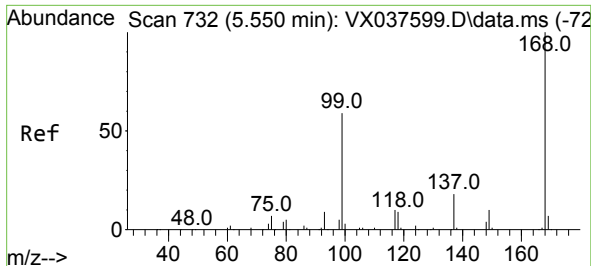
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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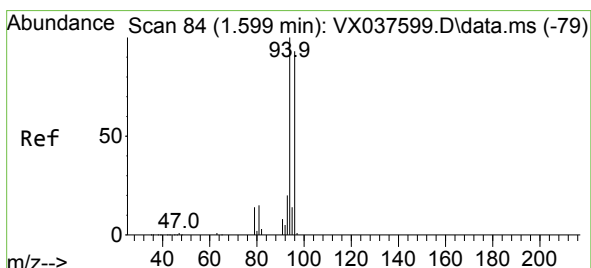
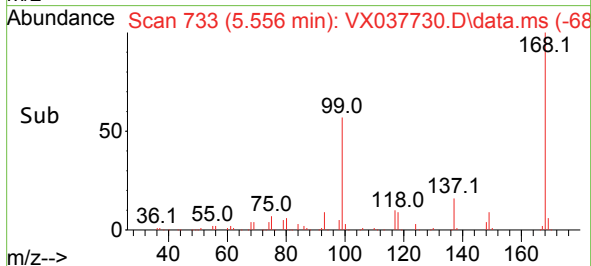
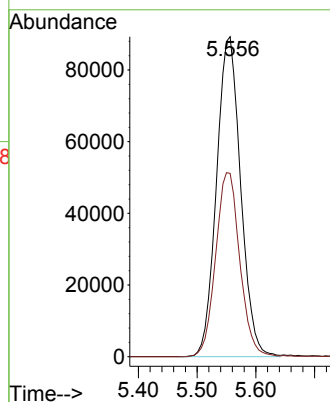
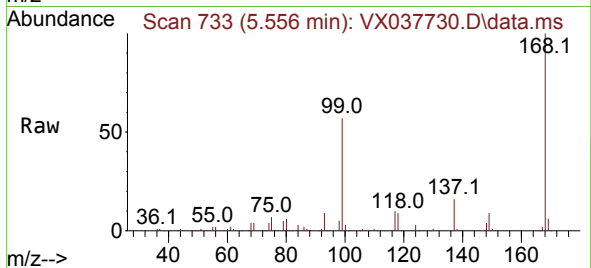




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

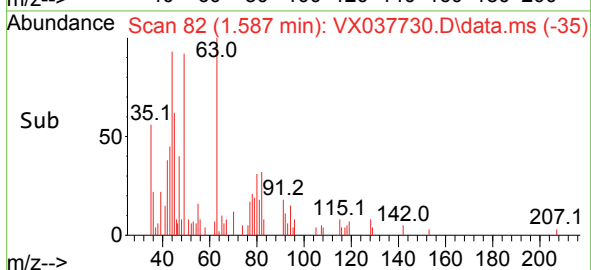
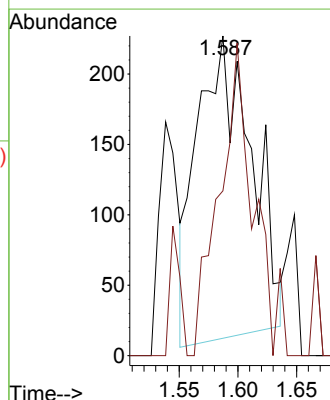
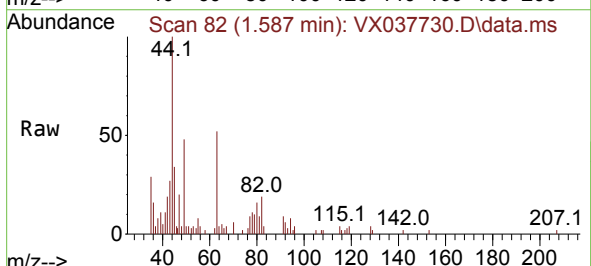
Instrument :
MSVOA_X
ClientSampleId :

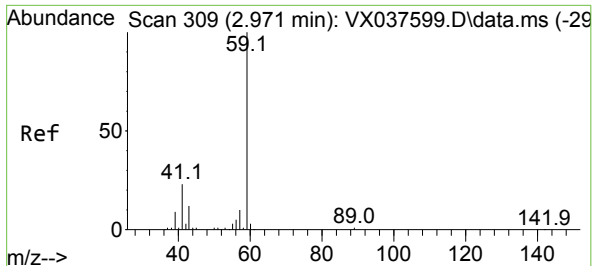
Tgt Ion:168 Resp: 254739
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Tgt Ion: 94 Resp: 690
Ion Ratio Lower Upper
94 100
96 34.9 74.6 111.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

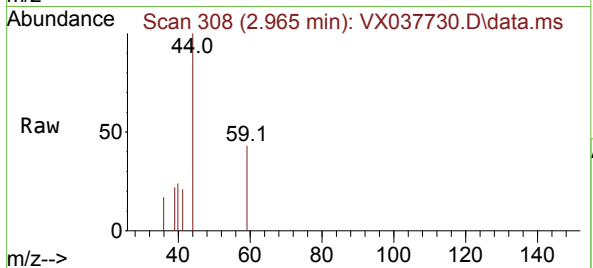
Lab File: VX037730.D

Acq: 14 Sep 2023 15:50

Instrument :

MSVOA_X

ClientSampleId :

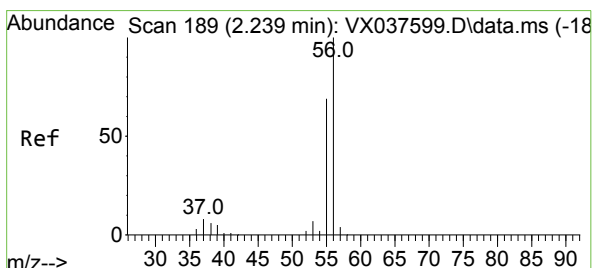
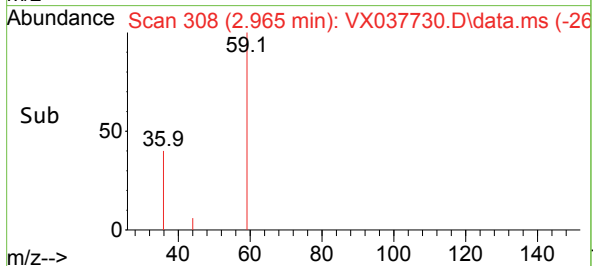
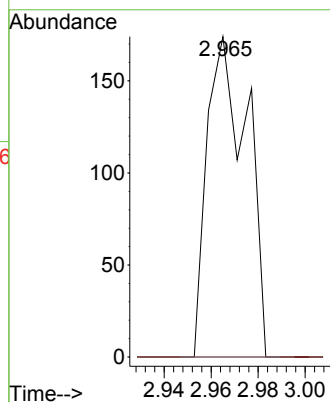


Tgt Ion: 59 Resp: 205

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.508 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037730.D

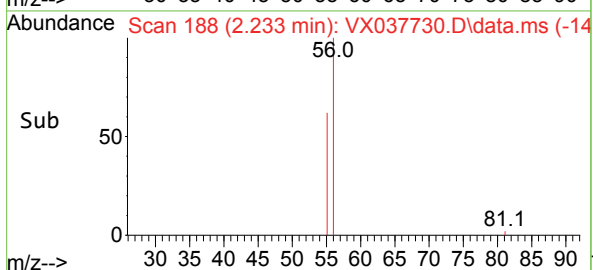
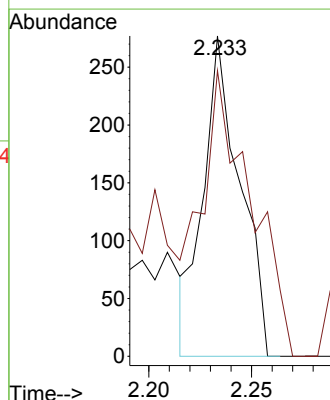
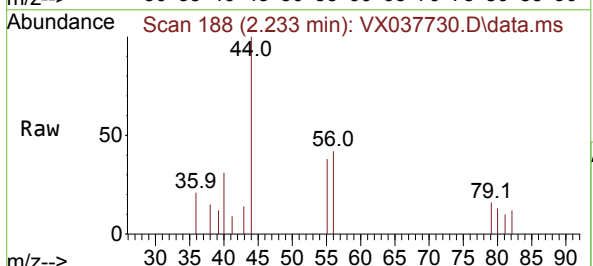
Acq: 14 Sep 2023 15:50

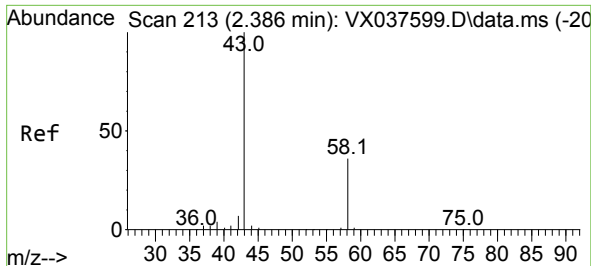
Tgt Ion: 56 Resp: 342

Ion Ratio Lower Upper

56 100

55 120.8 57.1 85.7#

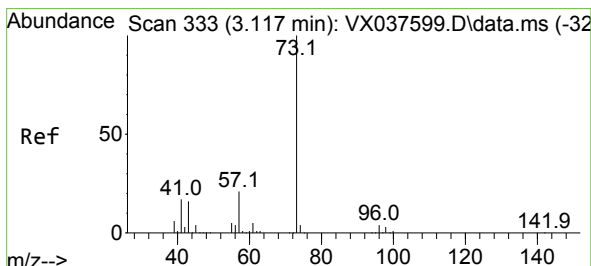
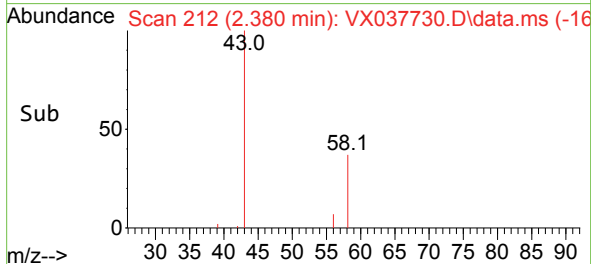
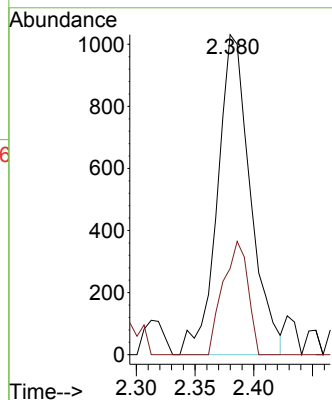
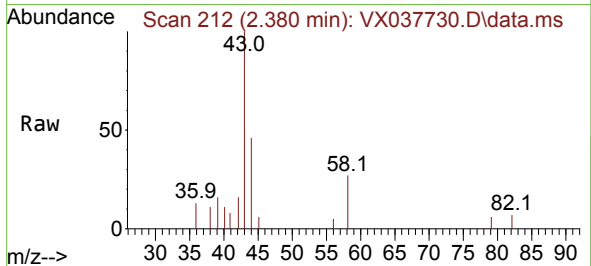




#16
Acetone
Concen: 1.204 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

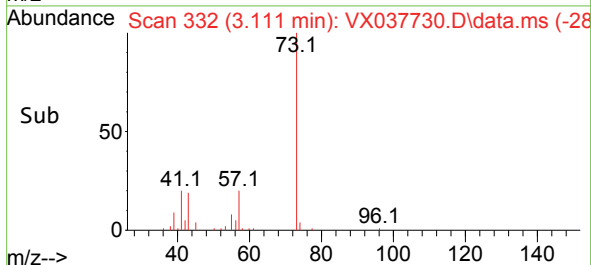
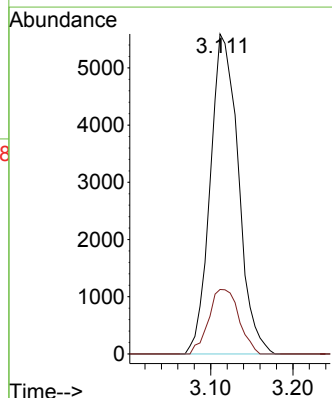
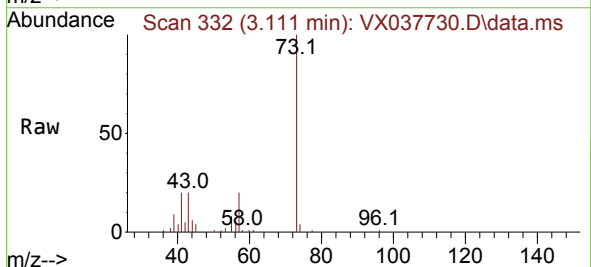
Instrument :
MSVOA_X
ClientSampleId :

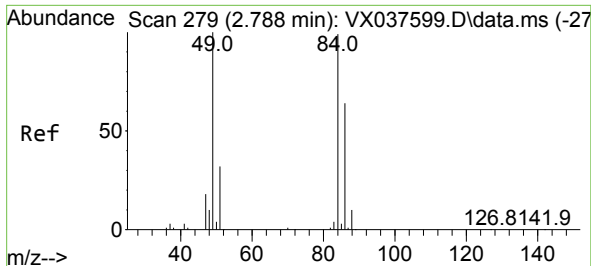
Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 1.282 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

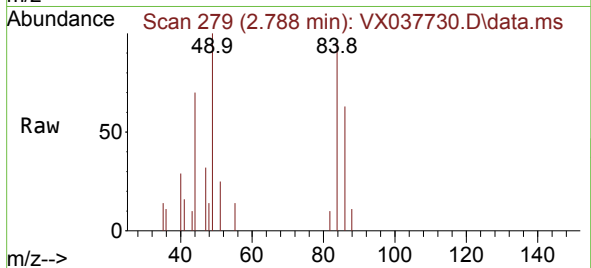
Tgt Ion: 73 Resp: 13268
Ion Ratio Lower Upper
73 100
57 20.1 17.3 25.9



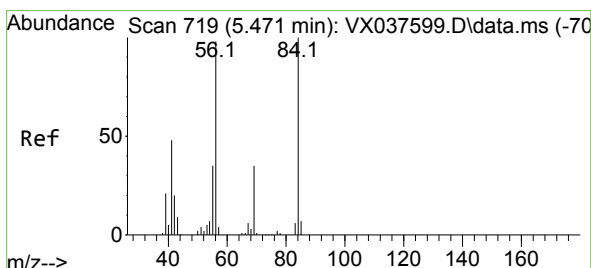
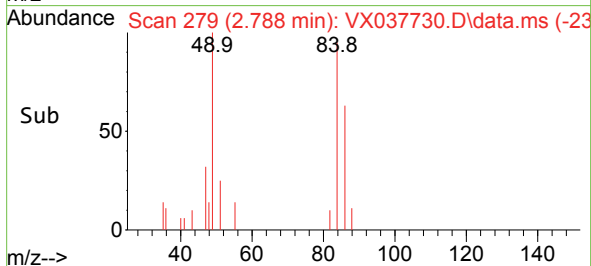
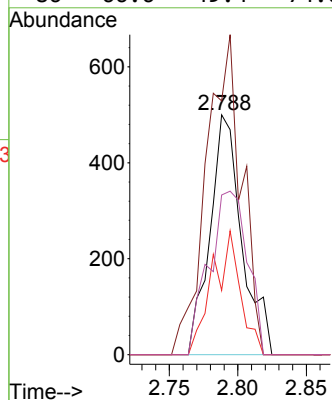


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Instrument :
MSVOA_X
ClientSampleId :

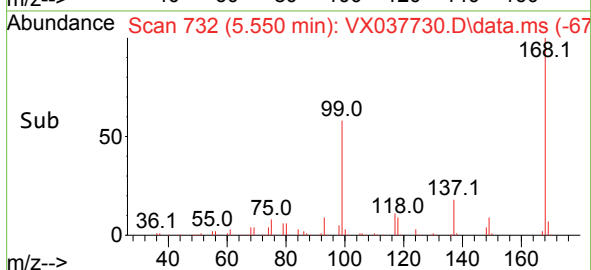
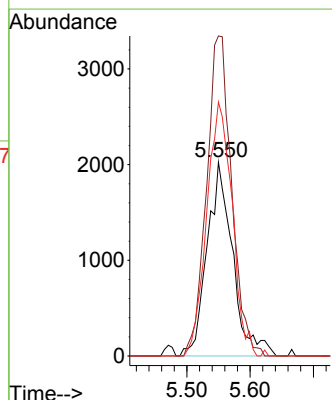
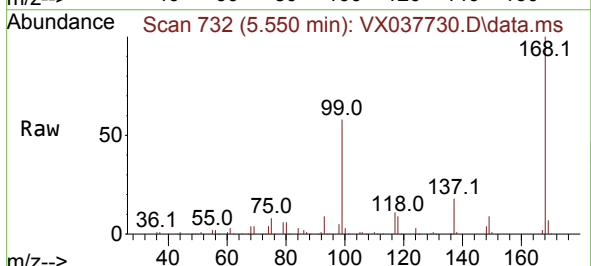


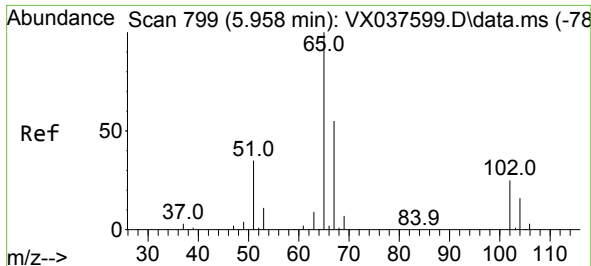
Tgt Ion:	84	Resp:	810
Ion	Ratio	Lower	Upper
84	100		
49	105.8	103.6	155.4
51	26.8	33.8	50.6#
86	66.6	49.4	74.0



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Tgt Ion:	56	Resp:	5685
Ion	Ratio	Lower	Upper
56	100		
69	165.2	23.4	35.2#
84	131.1	65.9	98.9#

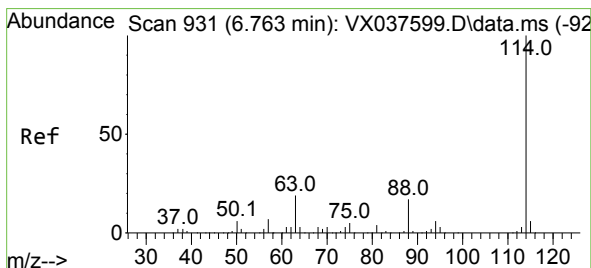
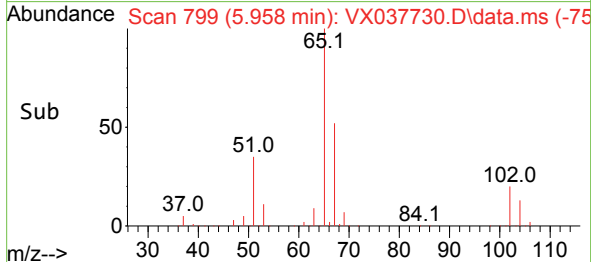
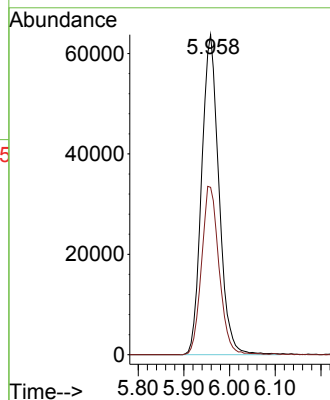
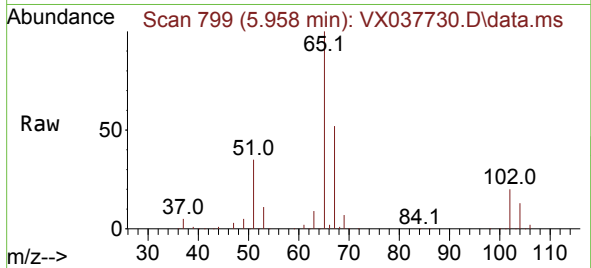




#33
 1,2-Dichloroethane-d4
 Concen: 40.647 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX037730.D
 Acq: 14 Sep 2023 15:50

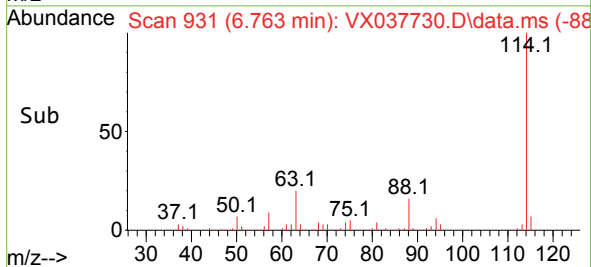
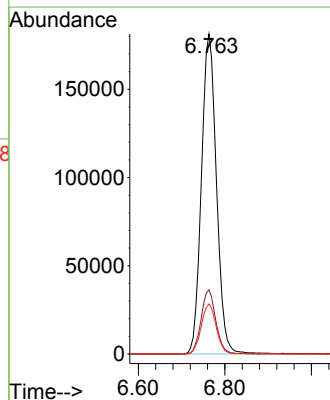
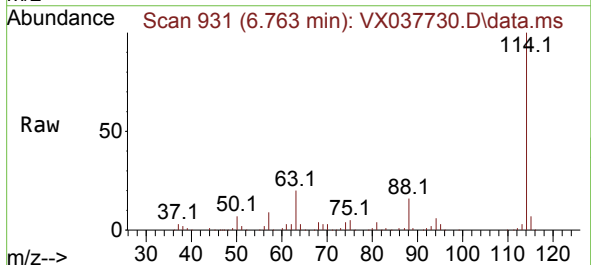
Instrument :
 MSVOA_X
 ClientSampleId :

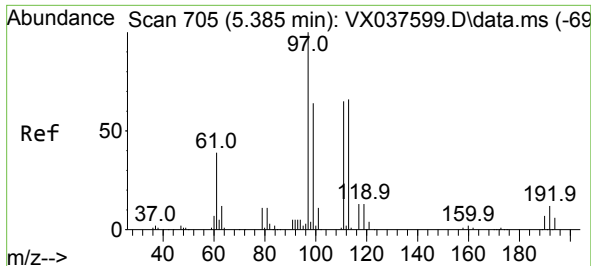
Tgt Ion: 65 Resp: 167525
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX037730.D
 Acq: 14 Sep 2023 15:50

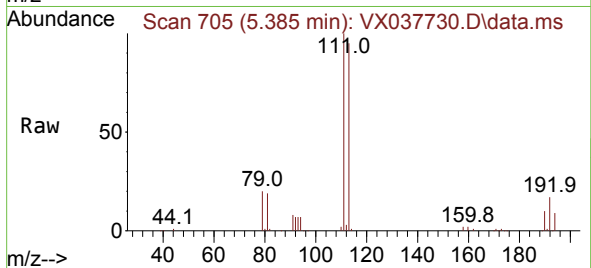
Tgt Ion: 114 Resp: 436879
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 45.0
 88 15.6 0.0 36.6



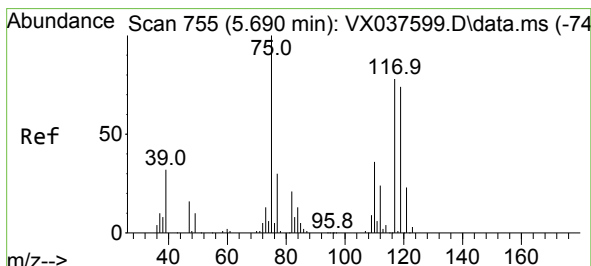
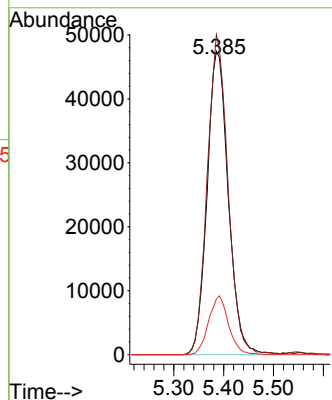
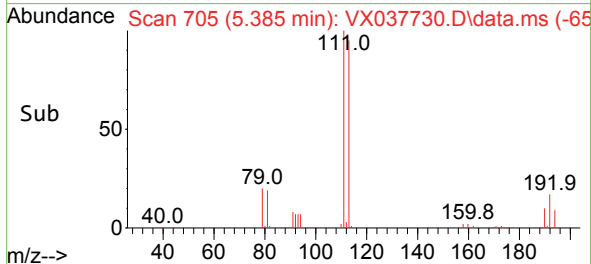


#35
Dibromofluoromethane
Concen: 45.258 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Instrument :
MSVOA_X
ClientSampleId :

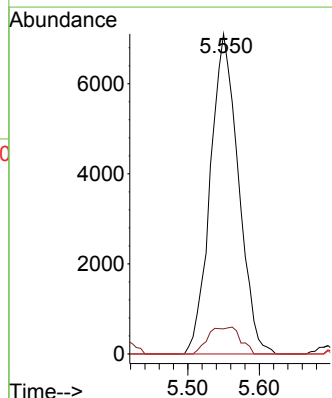
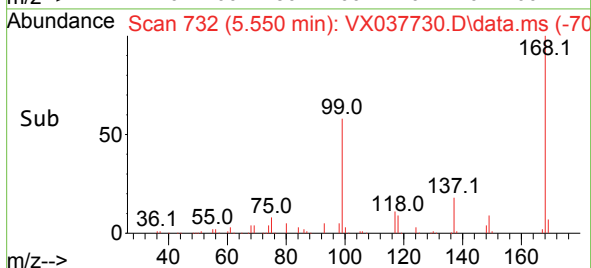
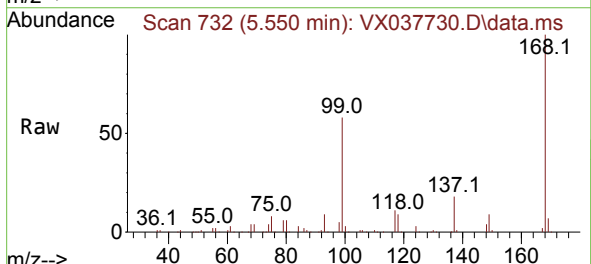


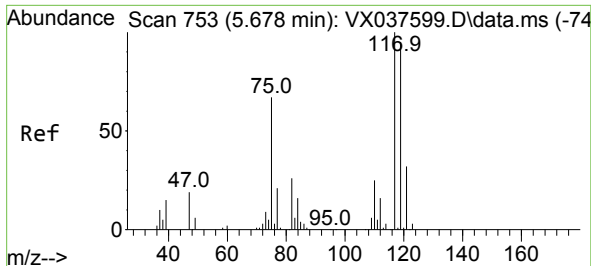
Tgt Ion:113 Resp: 140148
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

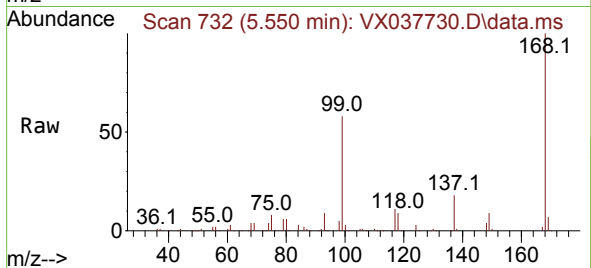
Tgt Ion: 75 Resp: 19414
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



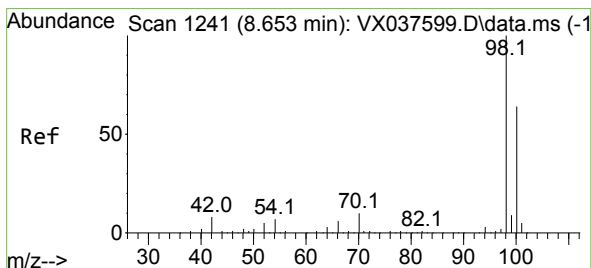
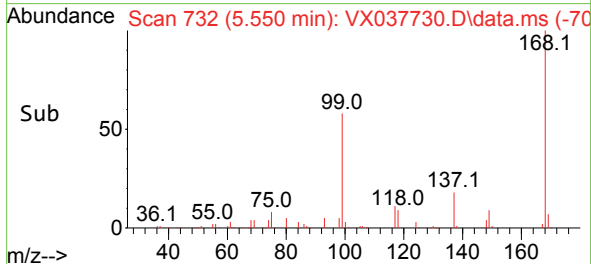
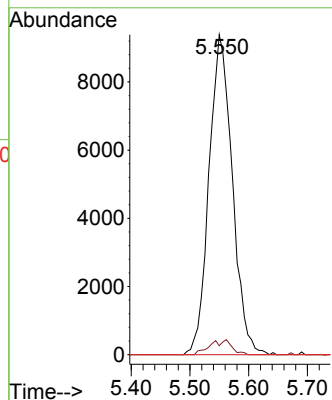


#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Instrument :
MSVOA_X
ClientSampleId :

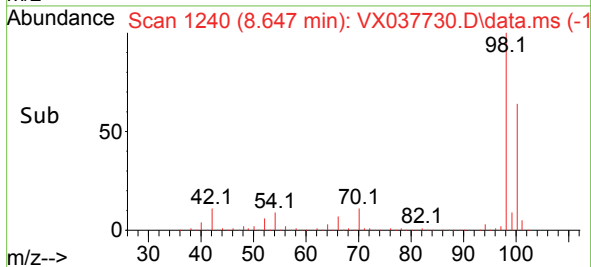
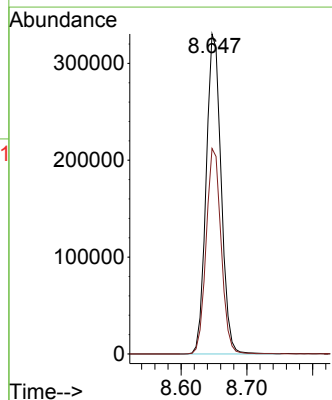
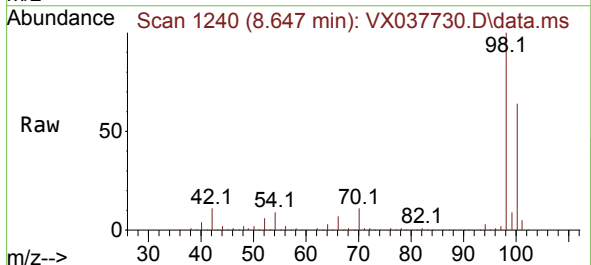


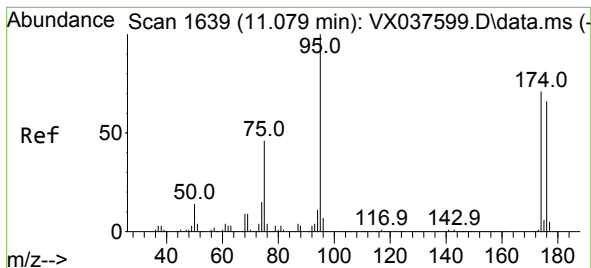
Tgt Ion:117 Resp: 25856
Ion Ratio Lower Upper
117 100
119 2.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.811 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Tgt Ion: 98 Resp: 523333
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

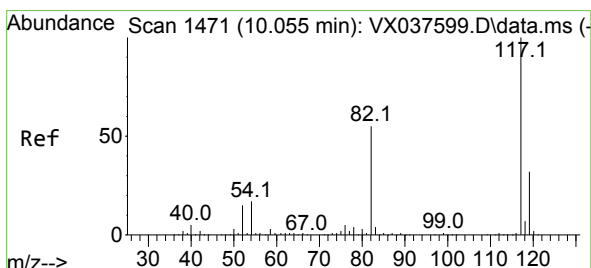
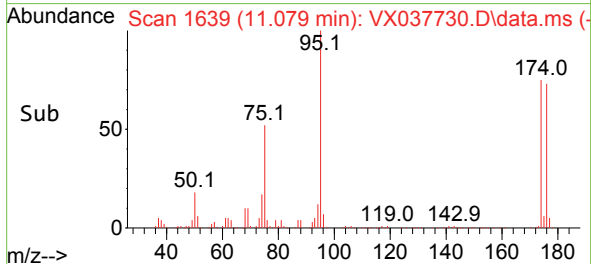
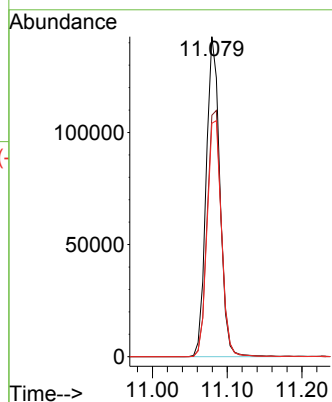
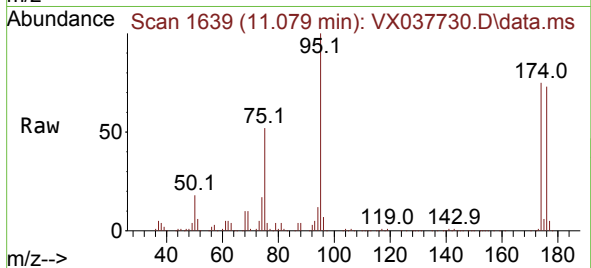




#62
4-Bromofluorobenzene
Concen: 43.062 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

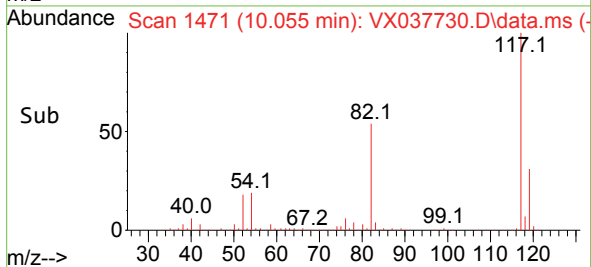
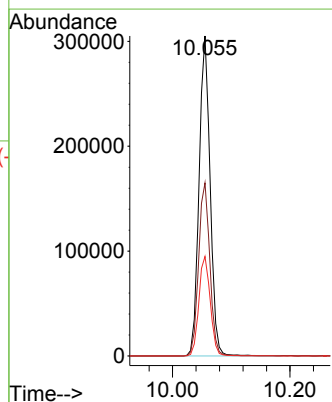
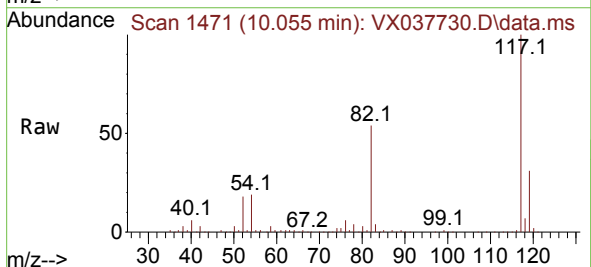
Instrument :
MSVOA_X
ClientSampleId :

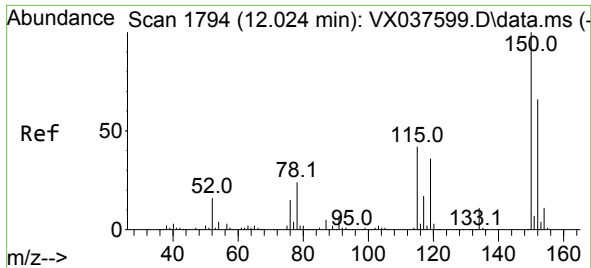
Tgt Ion: 95 Resp: 181436
Ion Ratio Lower Upper
95 100
174 80.0 0.0 135.6
176 77.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Tgt Ion: 117 Resp: 399161
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 31.1 25.5 38.3

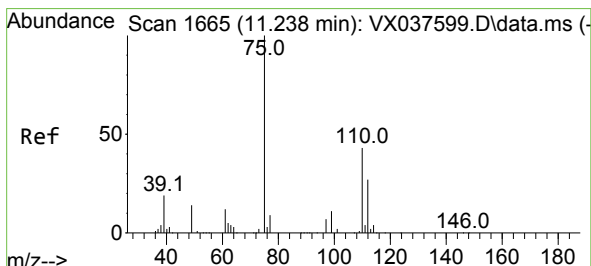
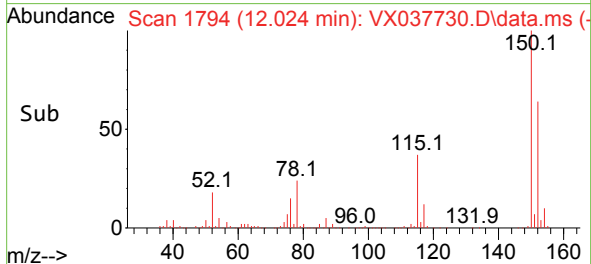
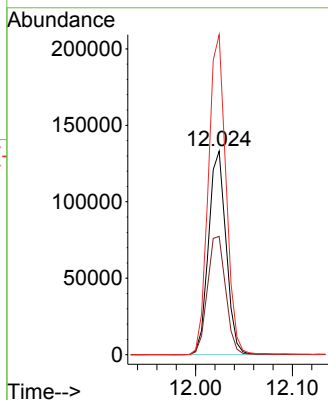
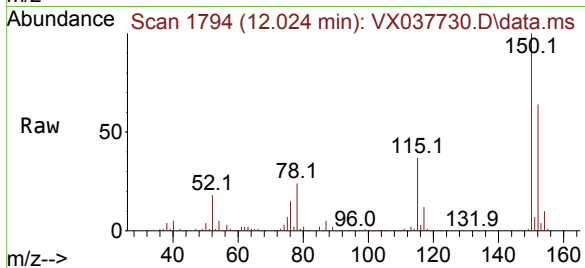




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037730.D
 Acq: 14 Sep 2023 15:50

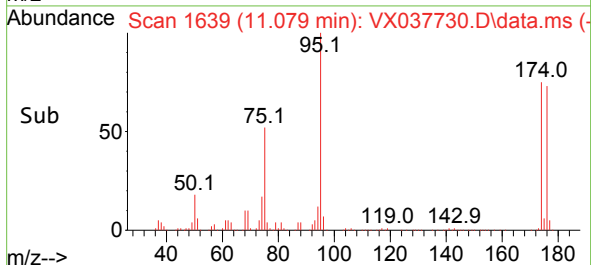
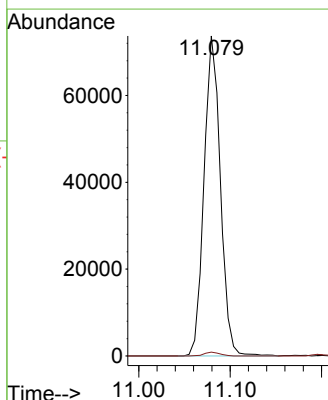
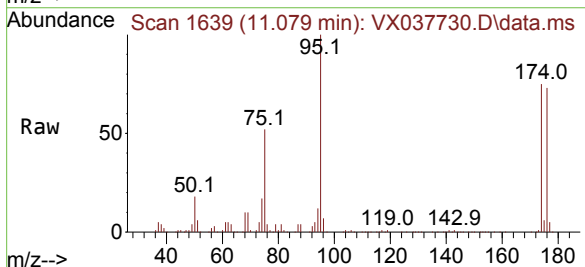
Instrument :
 MSVOA_X
 ClientSampleId :

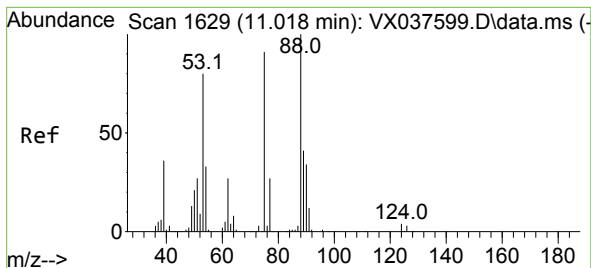
Tgt Ion:152 Resp: 168043
 Ion Ratio Lower Upper
 152 100
 115 60.7 43.3 129.9
 150 158.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.733 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037730.D
 Acq: 14 Sep 2023 15:50

Tgt Ion: 75 Resp: 91371
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

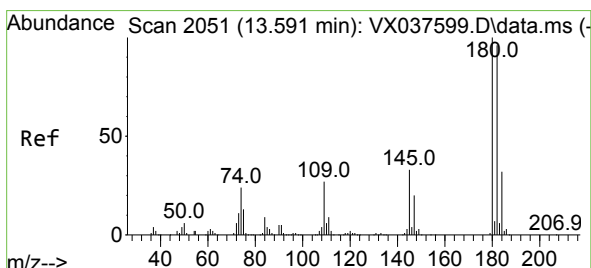
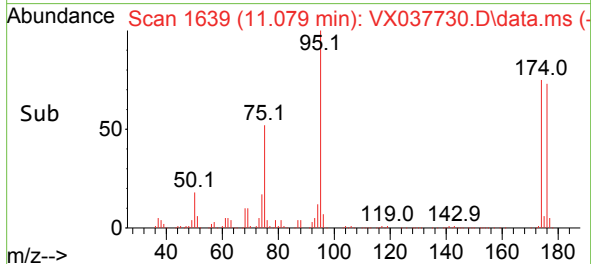
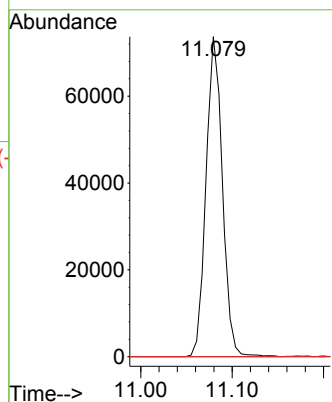
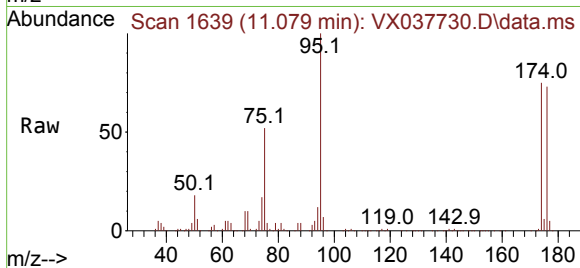




#81
trans-1,4-Dichloro-2-butene
Concen: 75.180 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

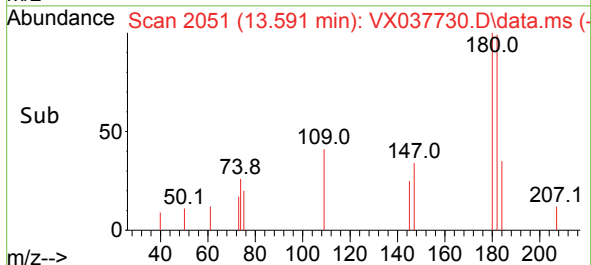
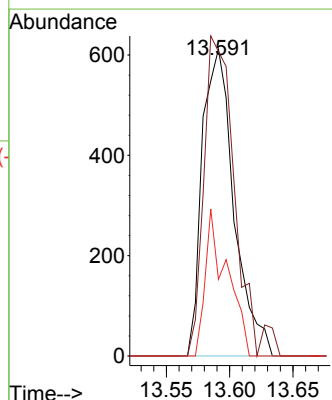
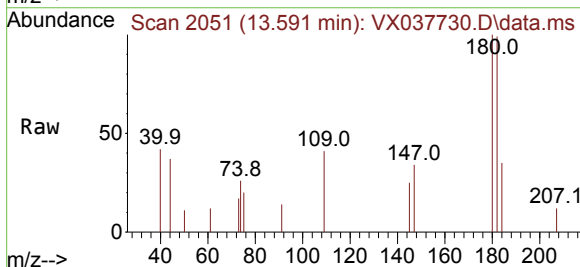
Instrument :
MSVOA_X
ClientSampleId :

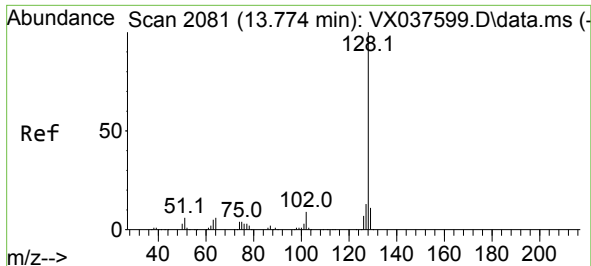
Tgt Ion: 75 Resp: 91371
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.313 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Tgt Ion:180 Resp: 1068
Ion Ratio Lower Upper
180 100
182 101.6 48.3 144.8
145 33.1 18.0 54.0

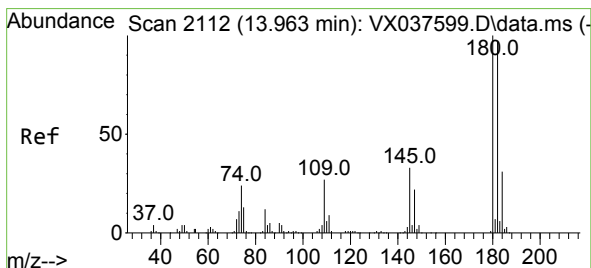
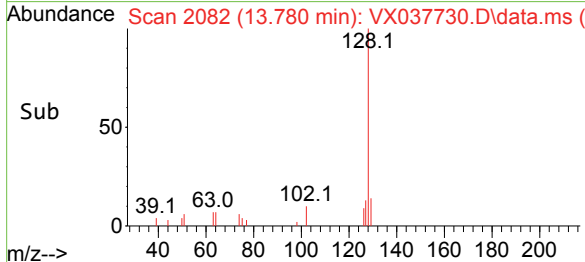
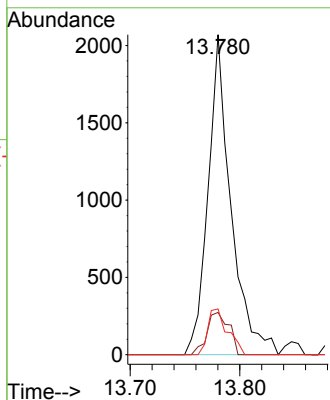
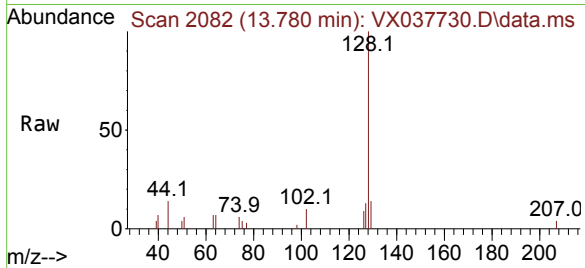




#95
Naphthalene
Concen: 0.243 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128	Resp:	2998
Ion Ratio	Lower	Upper
128	100	
127	12.7	10.3 15.5
129	12.4	8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.355 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX037730.D
Acq: 14 Sep 2023 15:50

Tgt Ion:180	Resp:	1244
Ion Ratio	Lower	Upper
180	100	
182	75.5	46.9 140.6
145	30.1	17.8 53.5

