

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081021\
 Data File : VX023636.D
 Acq On : 10 Aug 2021 16:09
 Operator : JC/MD
 Sample : M3350-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

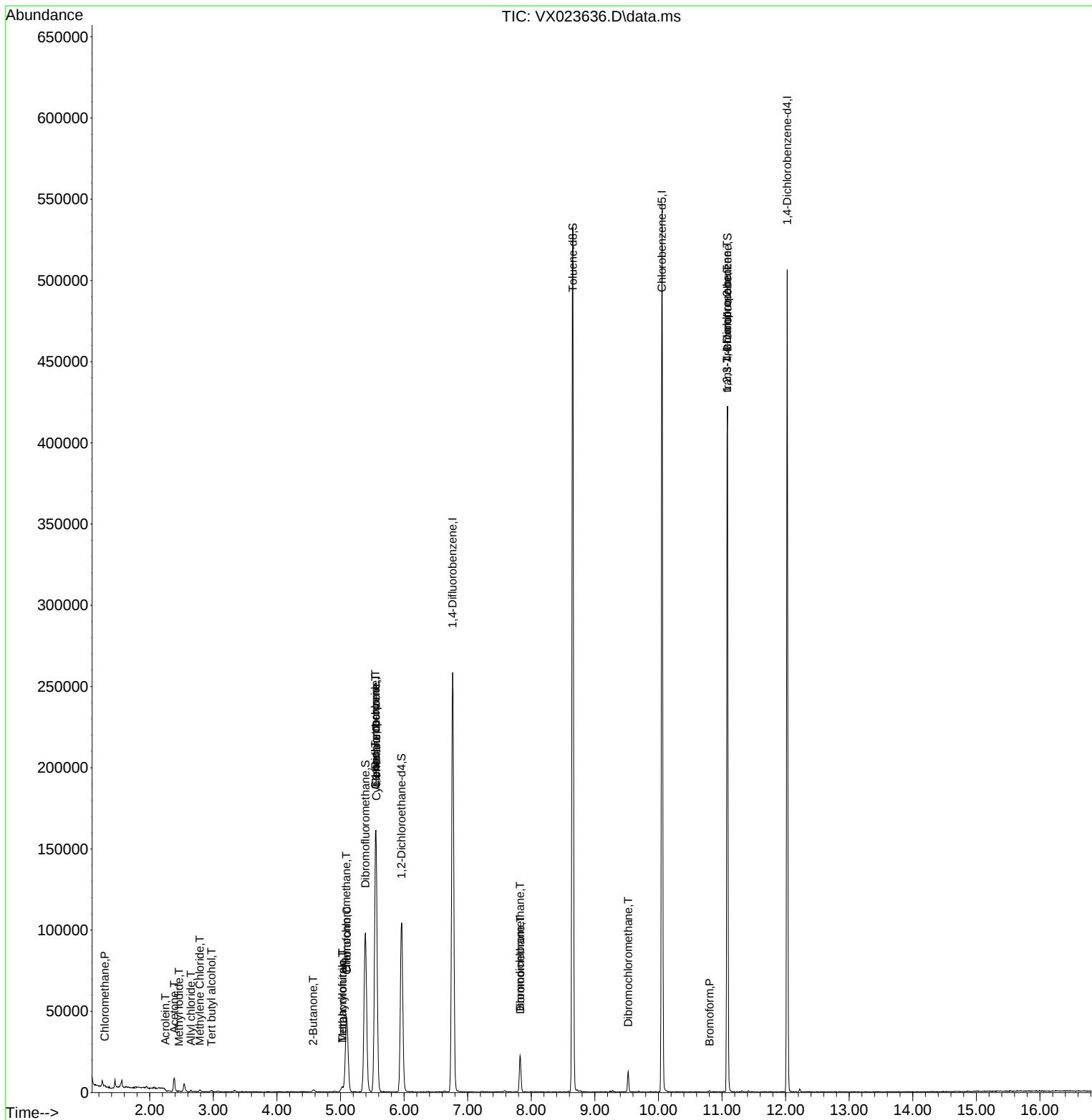
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 03:01:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.556	168		155583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114		262682	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		239766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		98577	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65		103553	53.357	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.720%	
35) Dibromofluoromethane	5.391	113		83956	51.118	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.240%	
50) Toluene-d8	8.653	98		317172	52.562	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.120%	
62) 4-Bromofluorobenzene	11.085	95		109993	53.606	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.220%	
Target Compounds							
						Qvalue	
3) Chloromethane	1.295	50		451	0.270	ug/l	95
10) Methyl Iodide	2.459	142		484	0.251	ug/l #	80
11) Tert butyl alcohol	2.971	59		712	1.606	ug/l	96
13) Acrolein	2.246	56		143	1.995	ug/l #	61
14) Allyl chloride	2.648	41		821	0.295	ug/l #	46
16) Acetone	2.386	43		9104	9.563	ug/l #	81
20) Methylene Chloride	2.788	84		555	0.300	ug/l #	88
25) 2-Butanone	4.568	43		2228	1.507	ug/l #	82
28) Bromochloromethane	5.093	49		4755	3.379	ug/l #	9
29) Tetrahydrofuran	5.032	42		2953	3.048	ug/l #	77
30) Chloroform	5.099	83		54332	17.603	ug/l	97
31) Cyclohexane	5.562	56		3278	1.140	ug/l #	12
36) 1,1-Dichloropropene	5.550	75		12132	5.106	ug/l #	51
38) Carbon Tetrachloride	5.550	117		15516	6.421	ug/l #	16
41) Methacrylonitrile	5.032	41		1779	1.125	ug/l #	34
46) Dibromomethane	7.830	93		420	0.332	ug/l #	2
47) Bromodichloromethane	7.824	83		13530	5.939	ug/l	97
60) Dibromochloromethane	9.525	129		5034	4.451	ug/l	98
71) Bromoform	10.805	173		322	3.723	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75		57083	26.315	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75		57083	70.757	ug/l #	12

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

Quant Time: Aug 11 03:01:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

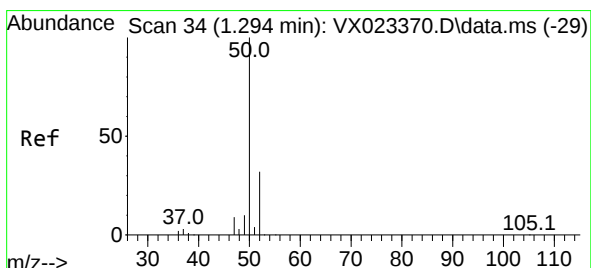
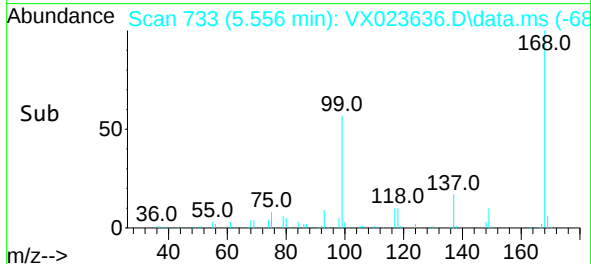
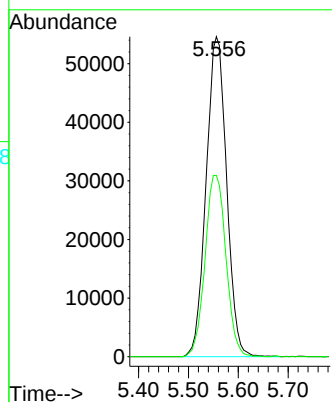
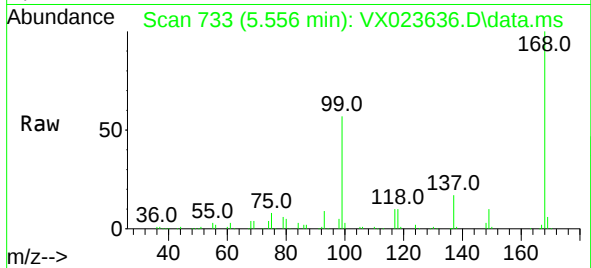




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

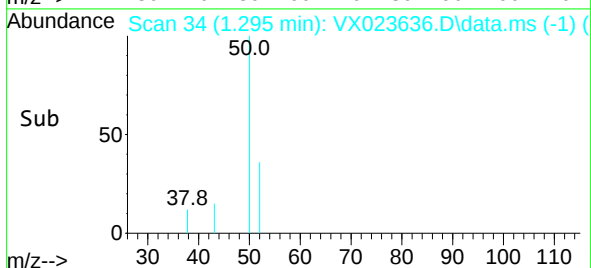
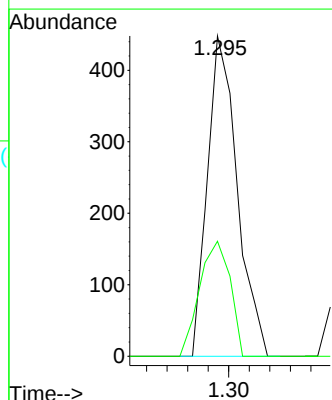
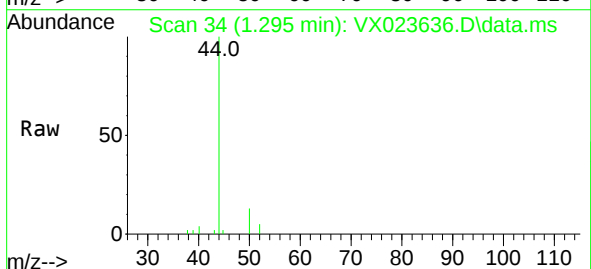
Instrument :
MSVOA_X
ClientSampled :

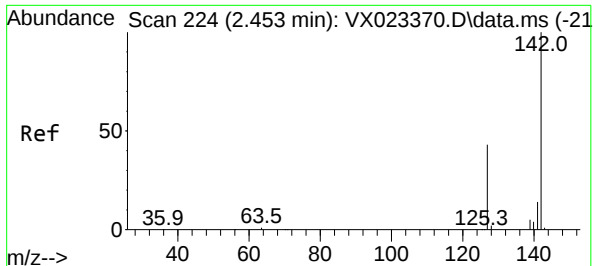
Tgt Ion:168 Resp: 155583
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#3
Chloromethane
Concen: 0.270 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

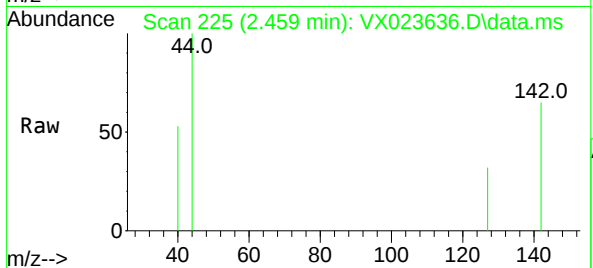
Tgt Ion: 50 Resp: 451
Ion Ratio Lower Upper
50 100
52 35.9 26.4 39.6



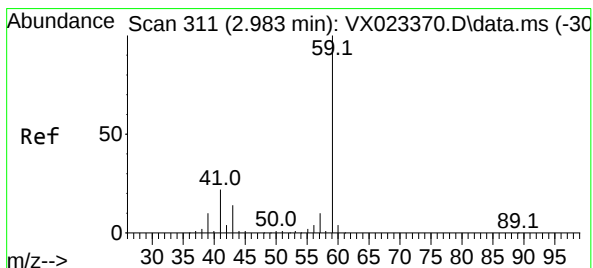
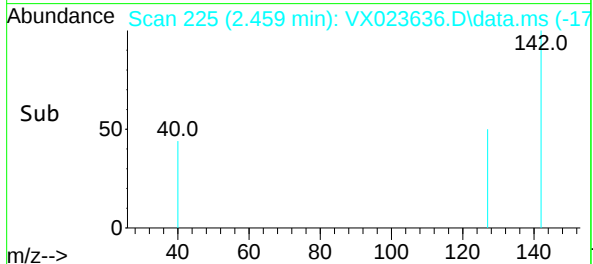
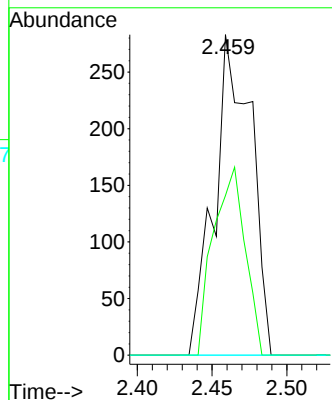


#10
Methyl Iodide
Concen: 0.251 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Instrument :
MSVOA_X
ClientSampled :

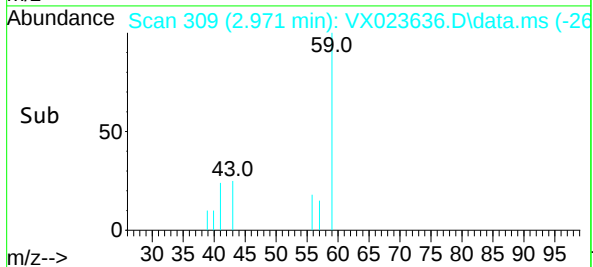
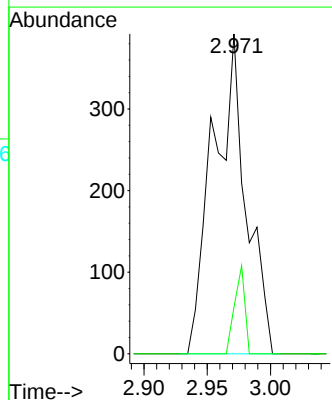
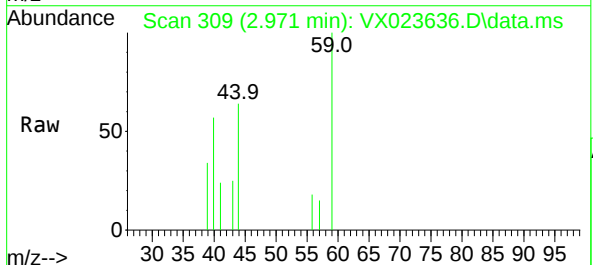


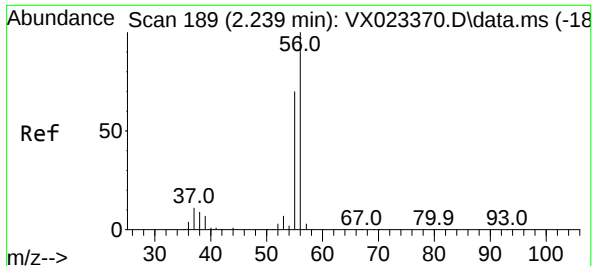
Tgt Ion:142 Resp: 484
Ion Ratio Lower Upper
142 100
127 50.6 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.606 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 59 Resp: 712
Ion Ratio Lower Upper
59 100
57 8.4 7.8 11.8

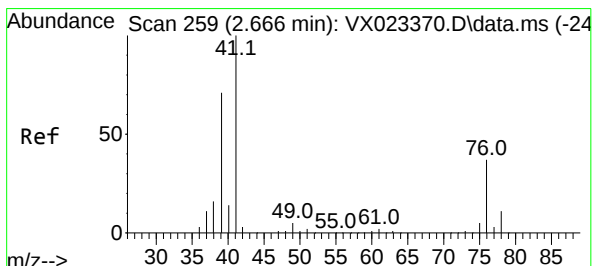
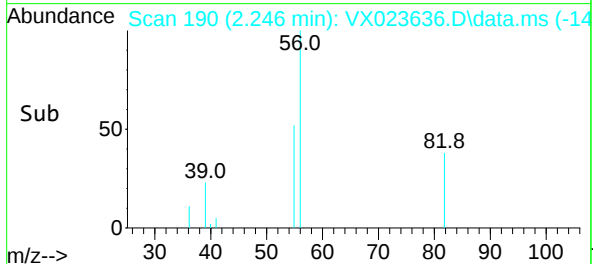
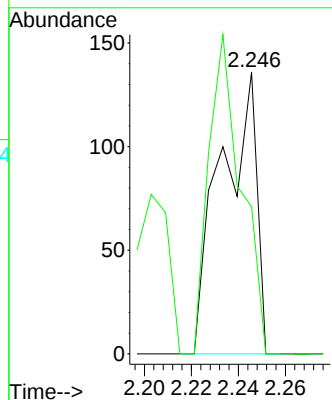
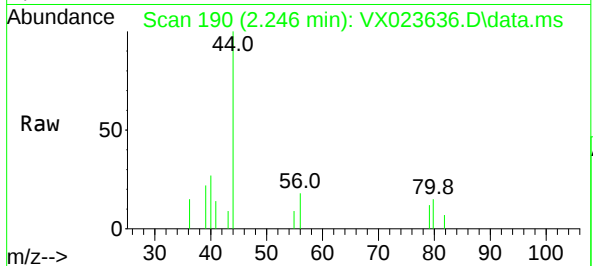




#13
Acrolein
Concen: 1.995 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

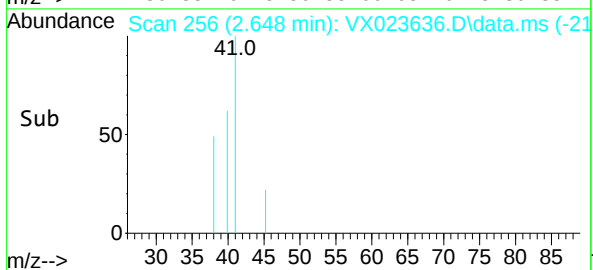
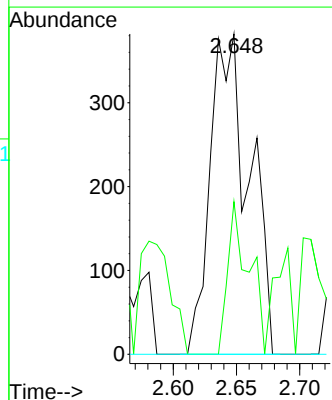
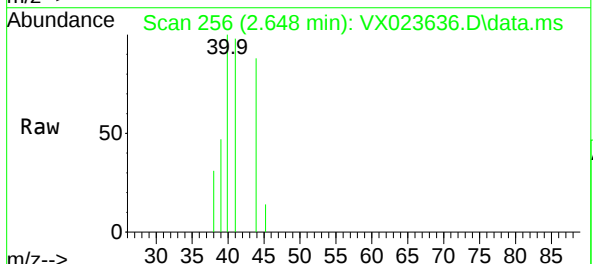
Instrument :
MSVOA_X
ClientSampled :

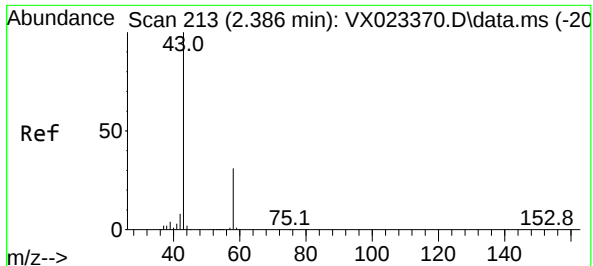
Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 102.8 56.4 84.6#



#14
Allyl chloride
Concen: 0.295 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 41 Resp: 821
Ion Ratio Lower Upper
41 100
39 25.7 51.6 77.4#
76 0.0 30.5 45.7#

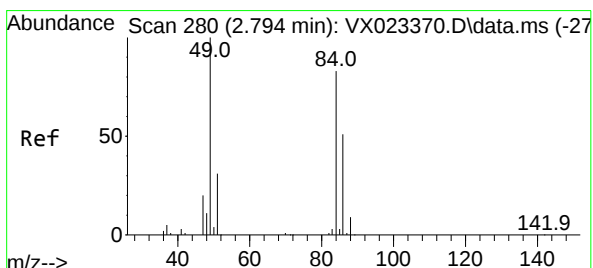
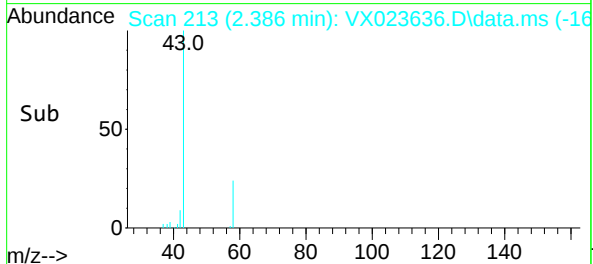
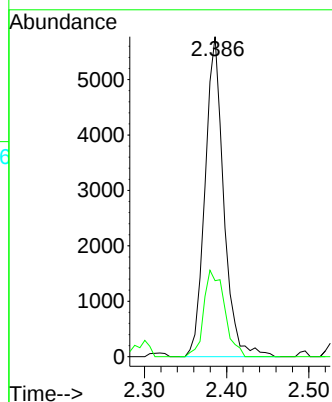
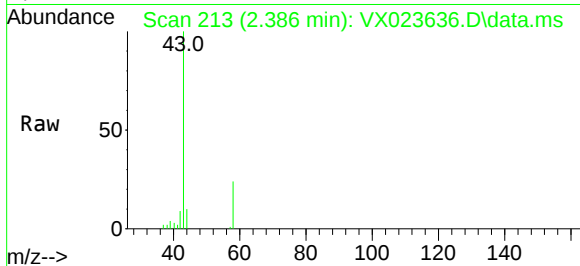




#16
Acetone
Concen: 9.563 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

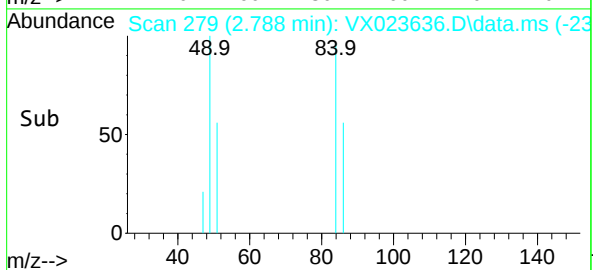
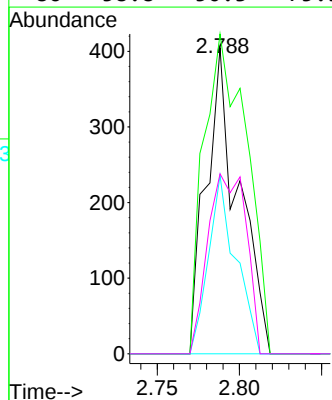
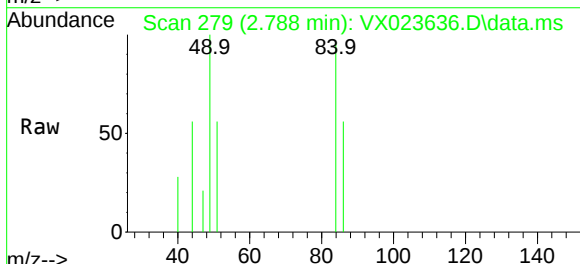
Instrument :
MSVOA_X
ClientSampled :

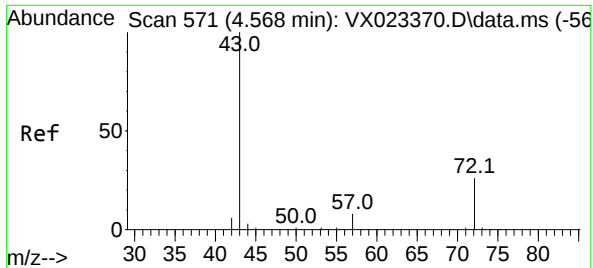
Tgt Ion: 43 Resp: 9104
Ion Ratio Lower Upper
43 100
58 23.7 27.8 41.8#



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 84 Resp: 555
Ion Ratio Lower Upper
84 100
49 104.4 88.6 132.8
51 58.3 27.0 40.6#
86 58.8 50.3 75.5

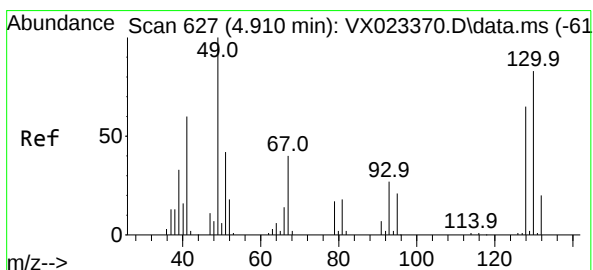
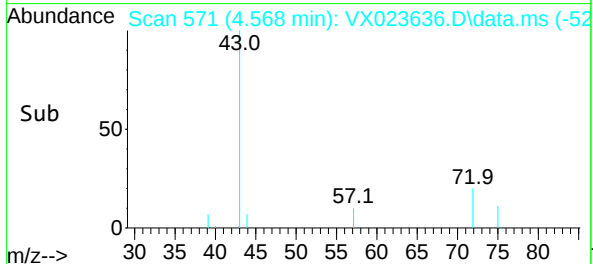
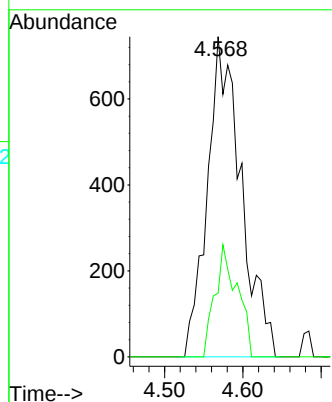
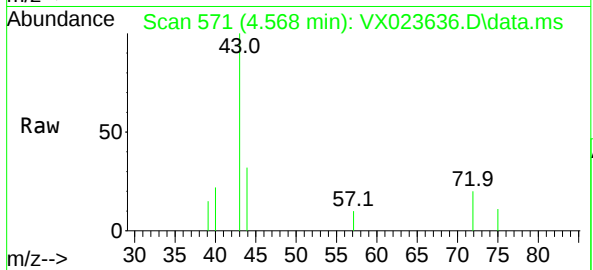




#25
2-Butanone
Concen: 1.507 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

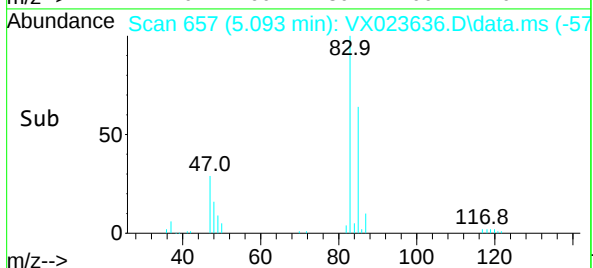
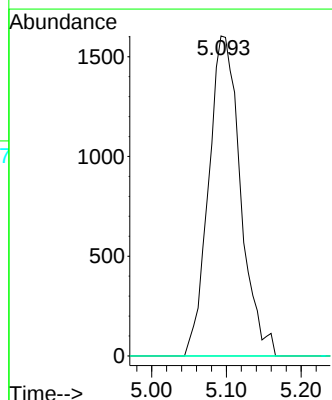
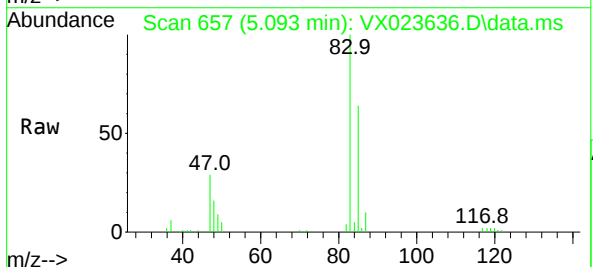
Instrument :
MSVOA_X
ClientSampled :

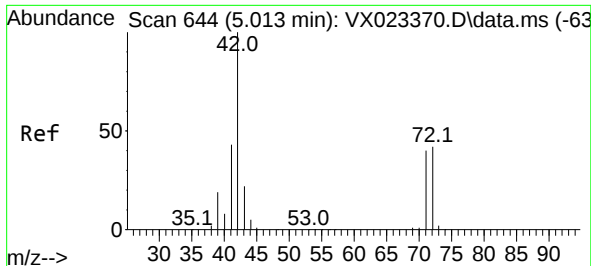
Tgt Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
72 19.9 23.7 35.5#



#28
Bromochloromethane
Concen: 3.379 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.183 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 49 Resp: 4755
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 3.048 ug/l

RT: 5.032 min Scan# 647

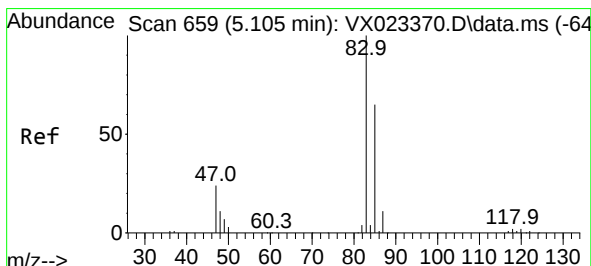
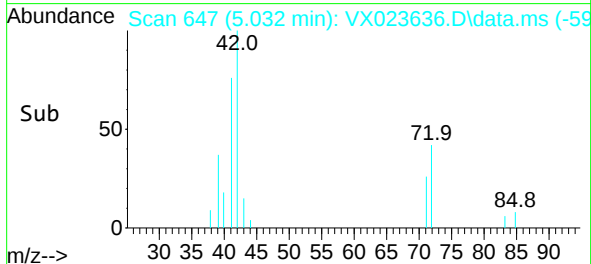
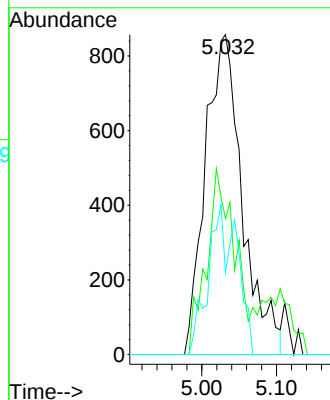
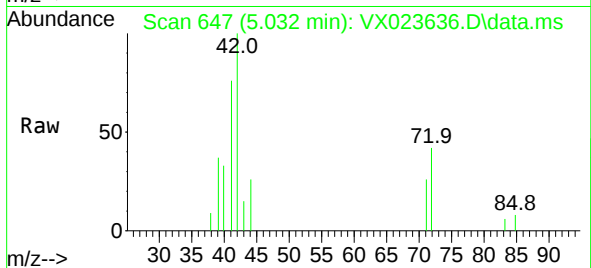
Delta R.T. 0.019 min

Lab File: VX023636.D

Acq: 10 Aug 2021 16:09

Tgt Ion:	42	Resp:	2953
Ion	Ratio	Lower	Upper
42	100		
72	46.8	41.7	62.5
71	21.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#30

Chloroform

Concen: 17.603 ug/l

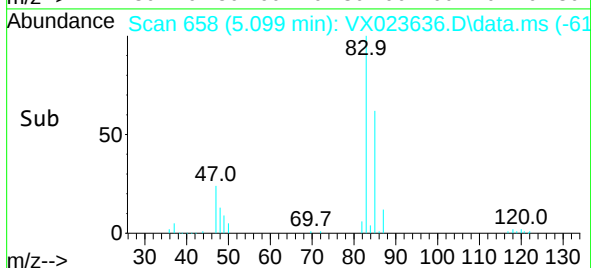
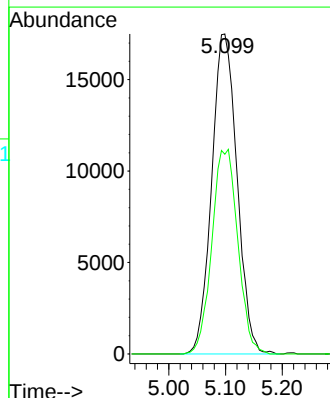
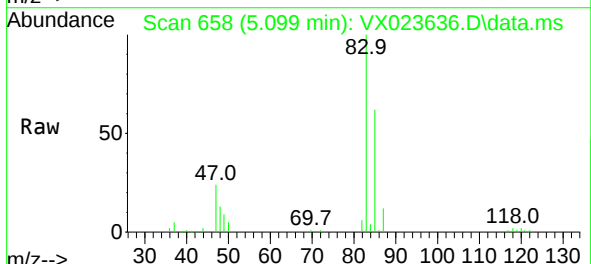
RT: 5.099 min Scan# 658

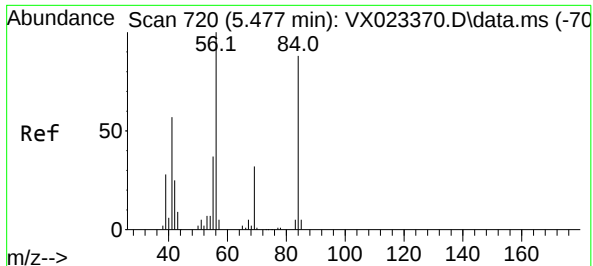
Delta R.T. -0.006 min

Lab File: VX023636.D

Acq: 10 Aug 2021 16:09

Tgt Ion:	83	Resp:	54332
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.0	78.0

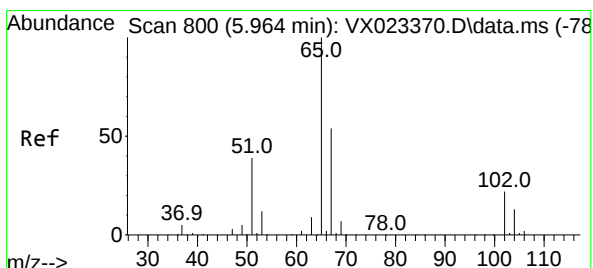
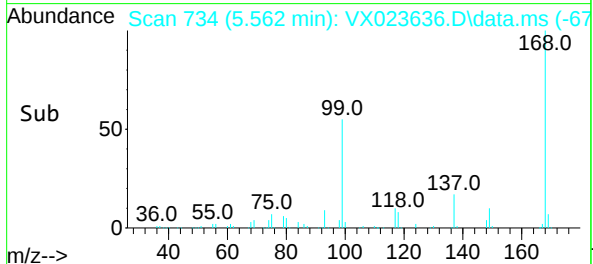
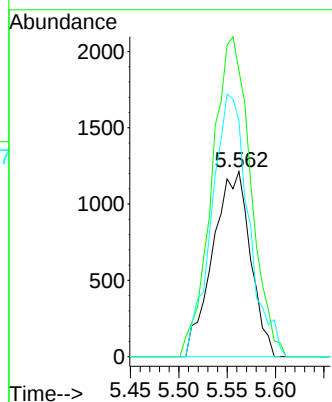
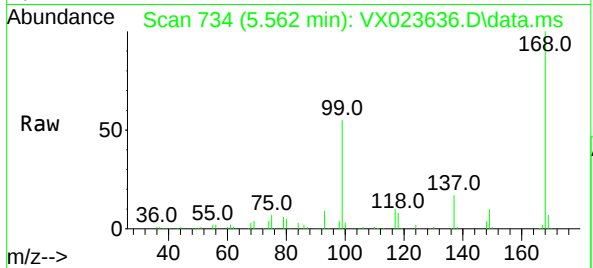




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

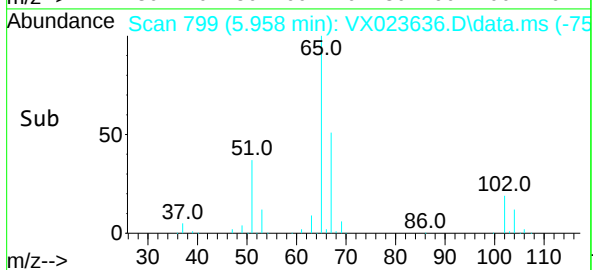
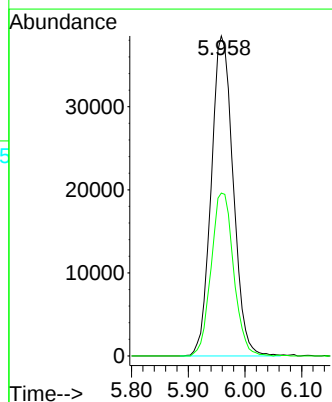
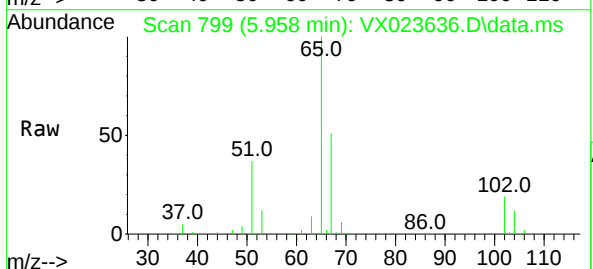
Instrument :
MSVOA_X
ClientSampleId :

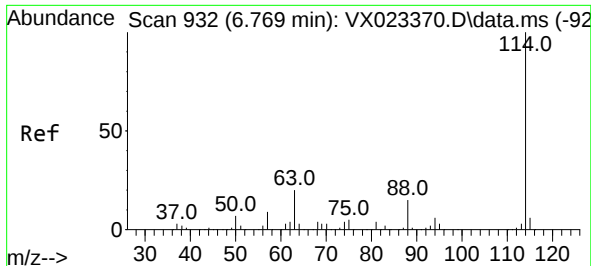
Tgt Ion: 56 Resp: 3278
Ion Ratio Lower Upper
56 100
69 154.7 25.3 37.9#
84 127.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.357 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 65 Resp: 103553
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

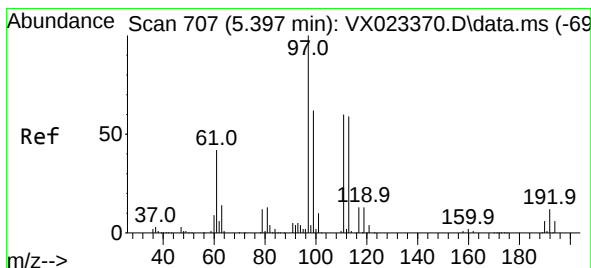
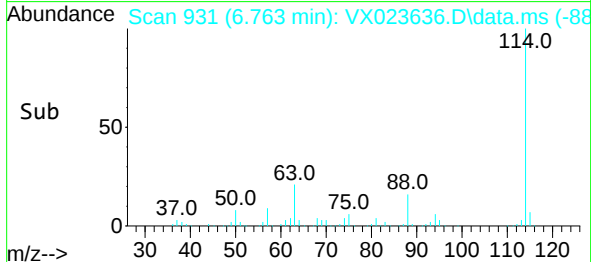
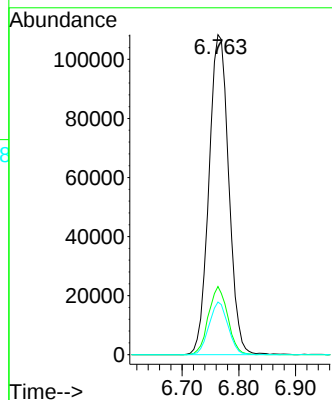
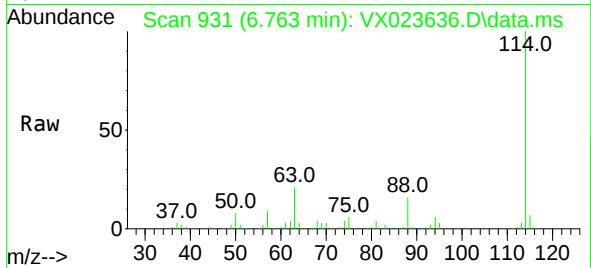




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

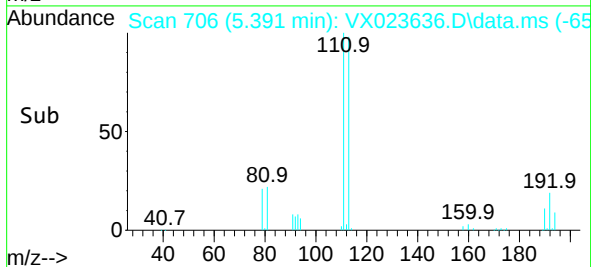
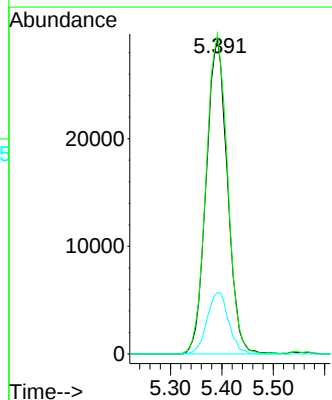
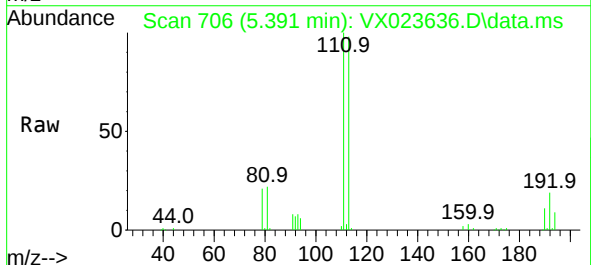
Instrument :
MSVOA_X
ClientSampled :

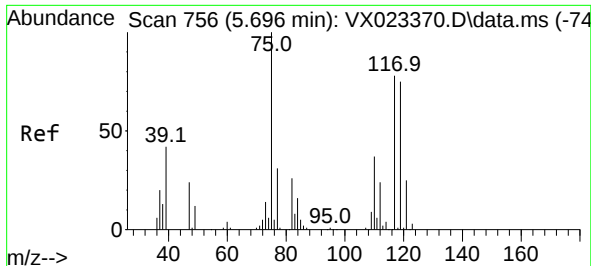
Tgt Ion:114 Resp: 262682
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.118 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion:113 Resp: 83956
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.8 16.7 25.1

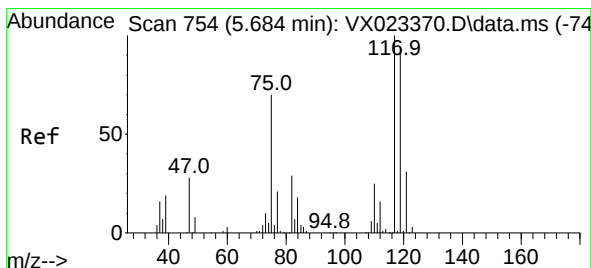
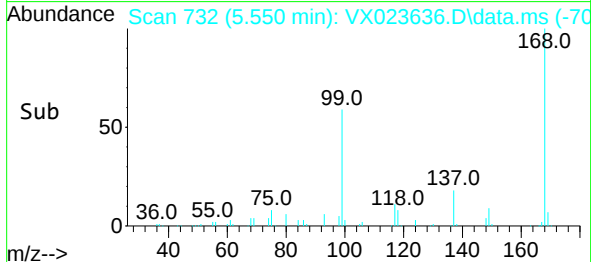
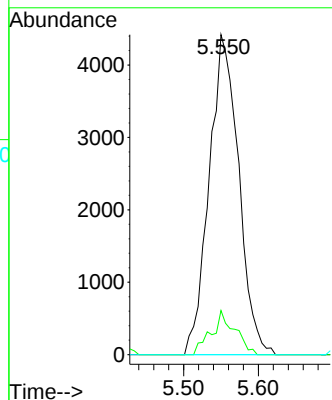
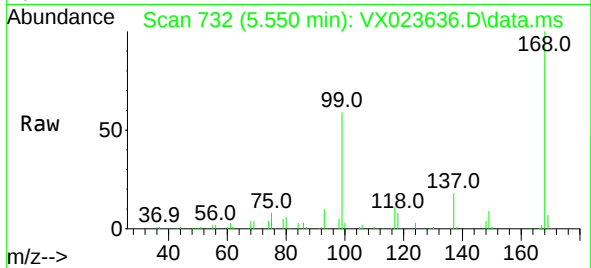




#36
1,1-Dichloropropene
Concen: 5.106 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

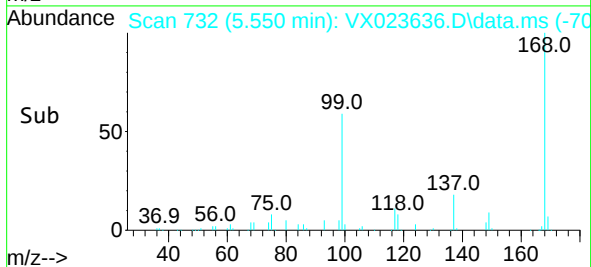
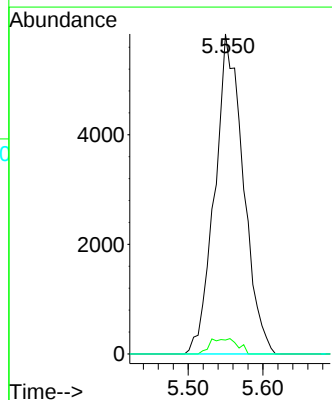
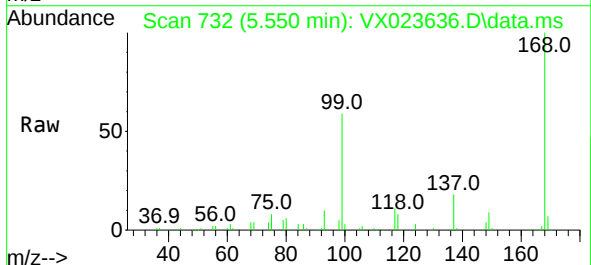
Instrument :
MSVOA_X
ClientSampled :

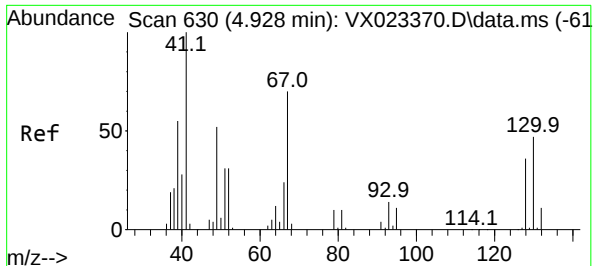
Tgt Ion: 75 Resp: 12132
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.421 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 117 Resp: 15516
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#

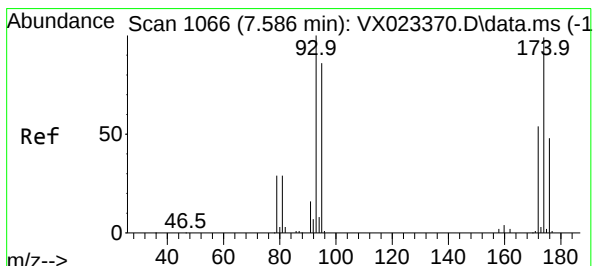
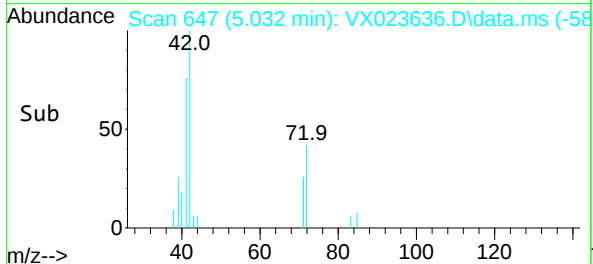
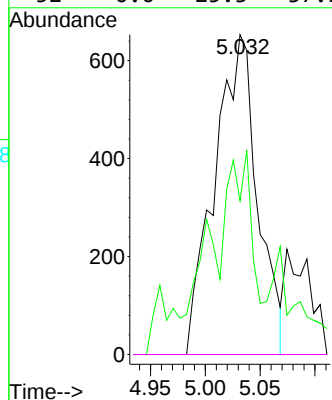
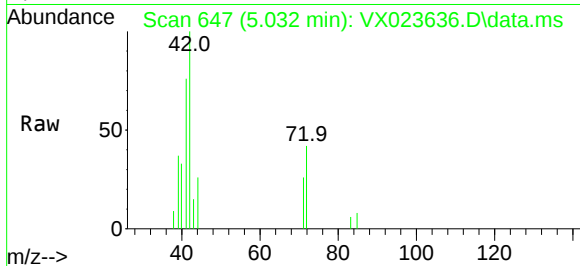




#41
Methacrylonitrile
Concen: 1.125 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

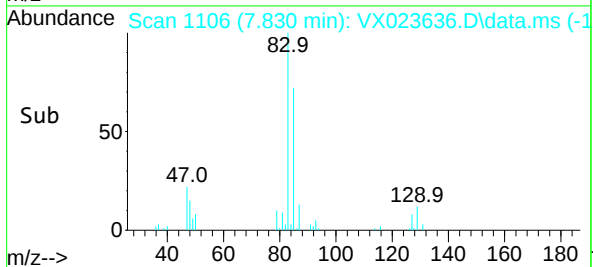
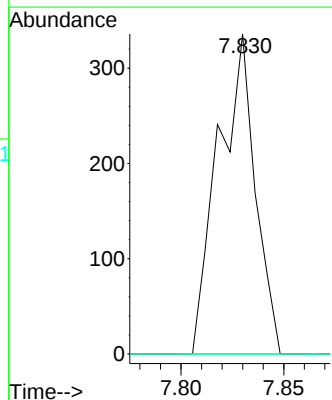
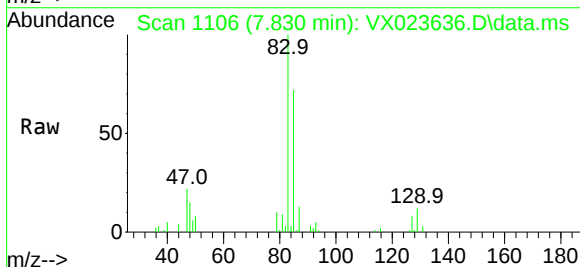
Instrument :
MSVOA_X
ClientSampled :

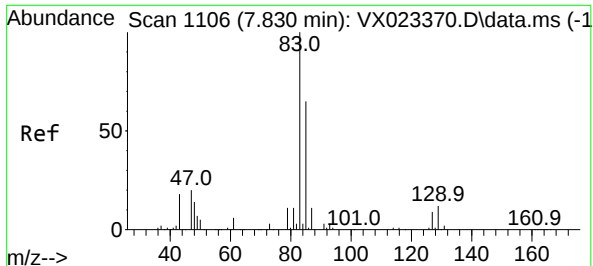
Tgt Ion: 41 Resp: 1779
Ion Ratio Lower Upper
41 100
39 30.8 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



#46
Dibromomethane
Concen: 0.332 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.244 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 93 Resp: 420
Ion Ratio Lower Upper
93 100
95 0.0 66.8 100.2#
174 0.0 83.1 124.7#





#47

Bromodichloromethane

Concen: 5.939 ug/l

RT: 7.824 min Scan# 1105

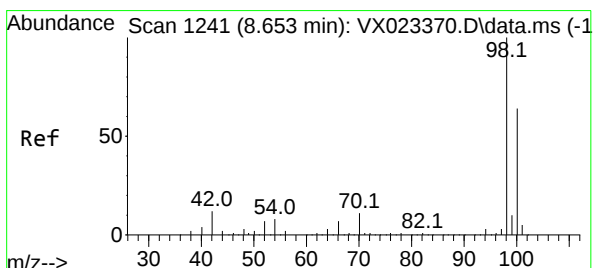
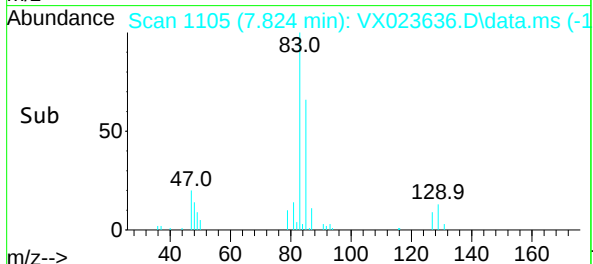
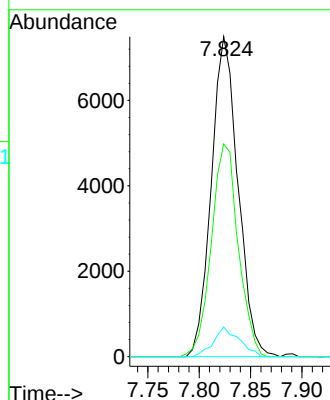
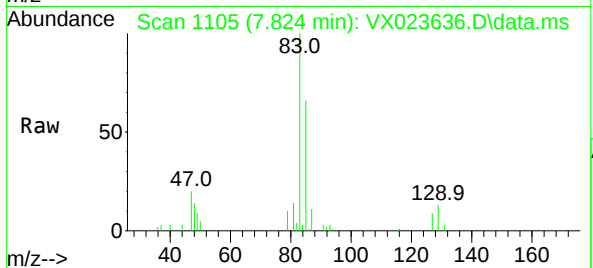
Delta R.T. -0.006 min

Lab File: VX023636.D

Acq: 10 Aug 2021 16:09

Tgt Ion:	83	Resp:	13530
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.0
127	9.3	6.8	10.2

Instrument :
MSVOA_X
ClientSampled :



#50

Toluene-d8

Concen: 52.562 ug/l

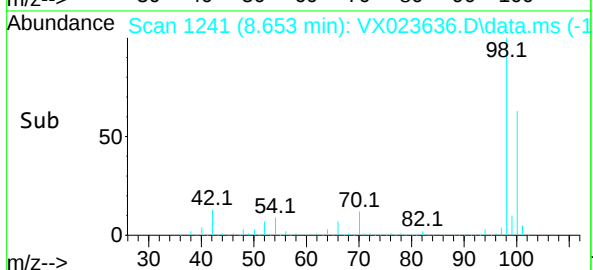
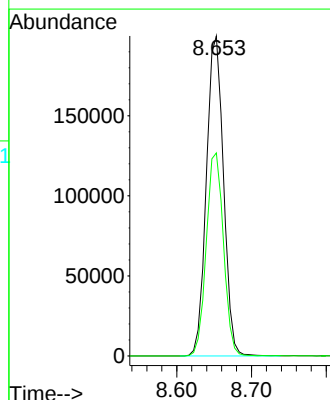
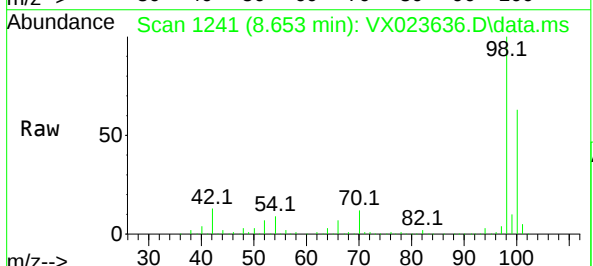
RT: 8.653 min Scan# 1241

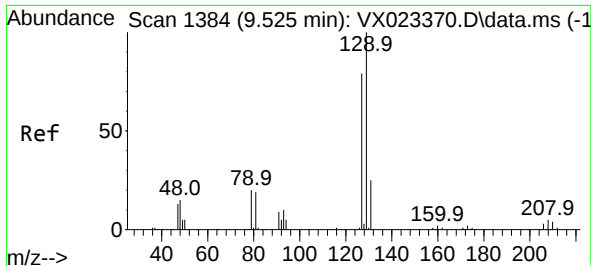
Delta R.T. -0.000 min

Lab File: VX023636.D

Acq: 10 Aug 2021 16:09

Tgt Ion:	98	Resp:	317172
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.9	77.9

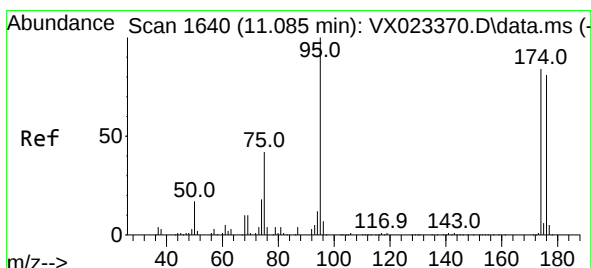
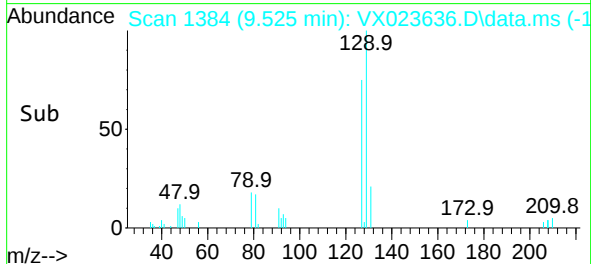
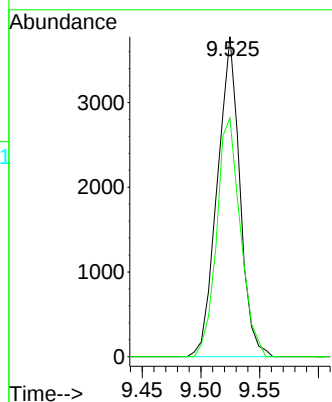
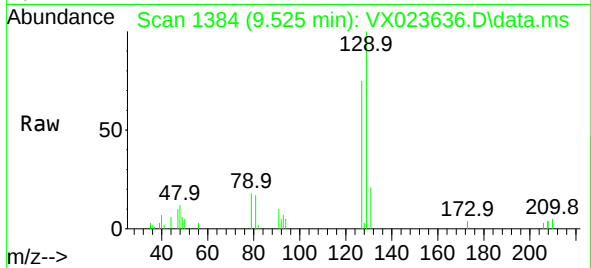




#60
Dibromochloromethane
Concen: 4.451 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

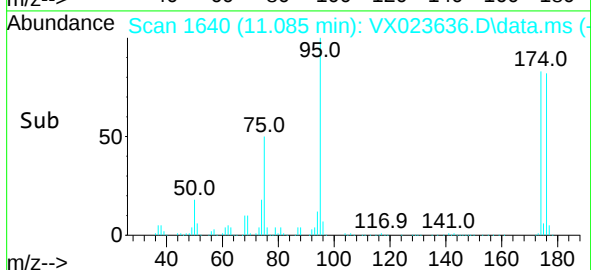
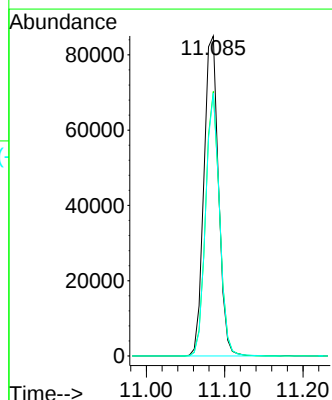
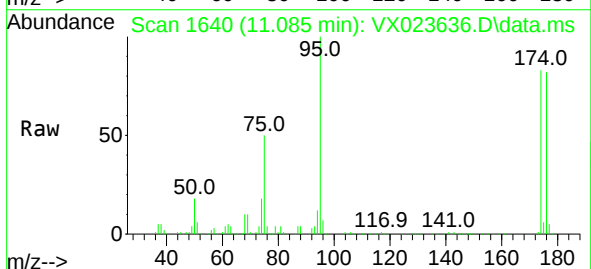
Instrument :
MSVOA_X
ClientSampled :

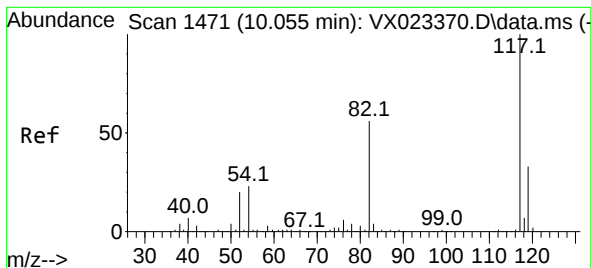
Tgt Ion:129 Resp: 5034
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 53.606 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion: 95 Resp: 109993
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 78.4 0.0 155.8

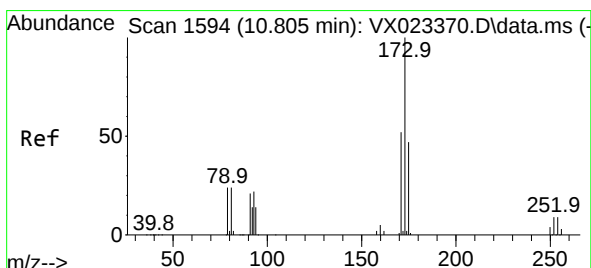
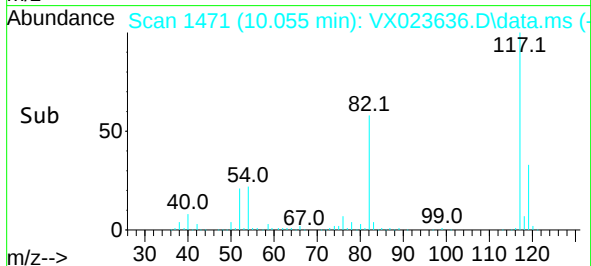
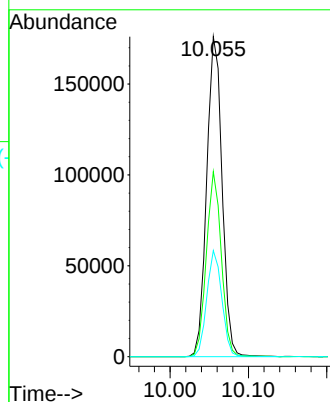
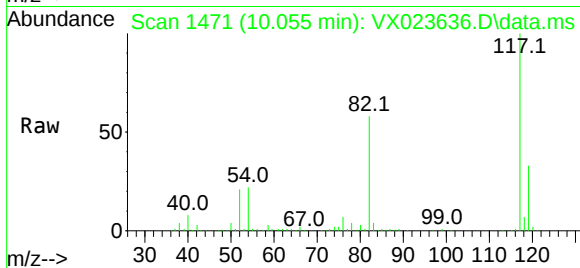




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

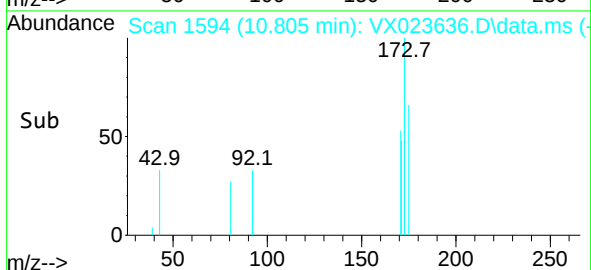
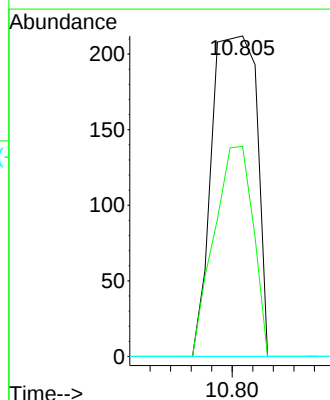
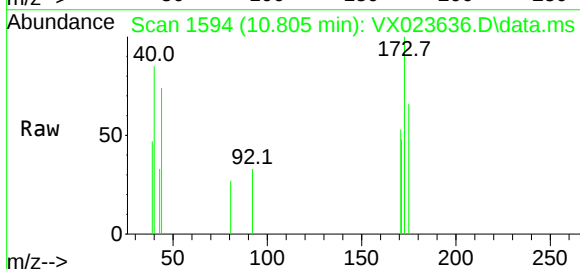
Instrument :
MSVOA_X
ClientSampled :

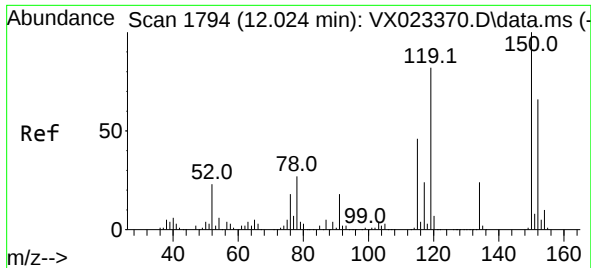
Tgt Ion:117 Resp: 239766
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 33.2 26.6 39.8



#71
Bromoform
Concen: 3.723 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VX023636.D
Acq: 10 Aug 2021 16:09

Tgt Ion:173 Resp: 322
Ion Ratio Lower Upper
173 100
175 56.8 23.9 71.8
254 0.0 0.1 0.1#

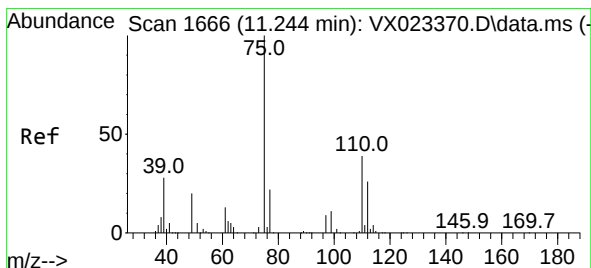
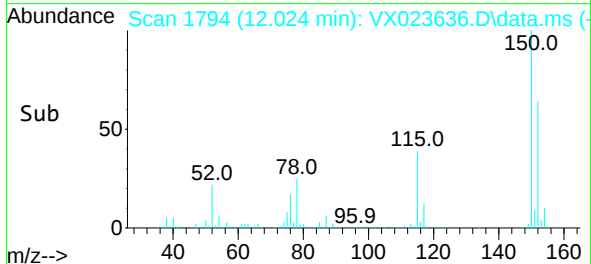
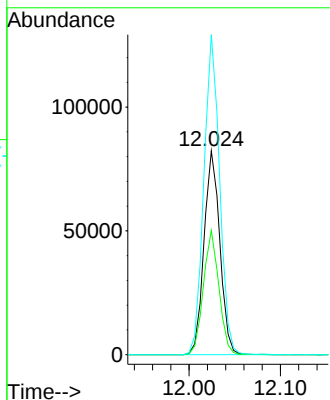
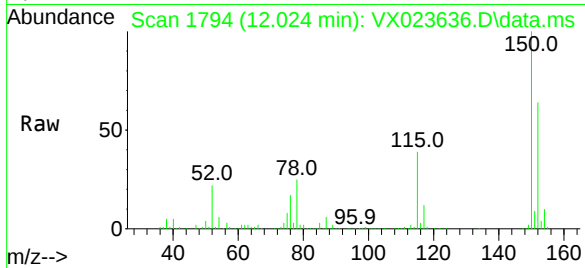




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023636.D
 Acq: 10 Aug 2021 16:09

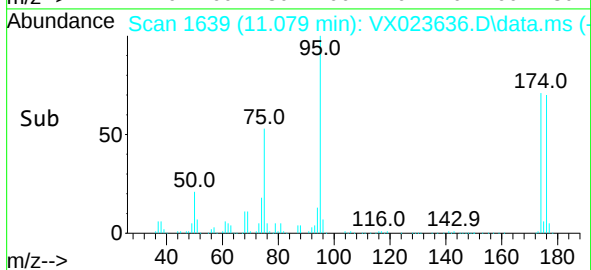
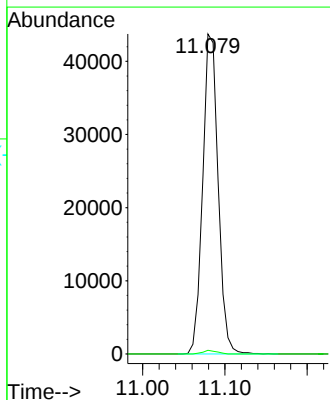
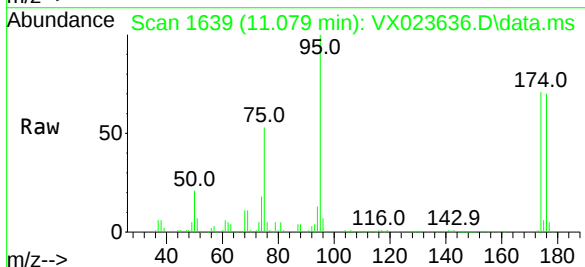
Instrument :
 MSVOA_X
 ClientSampled :

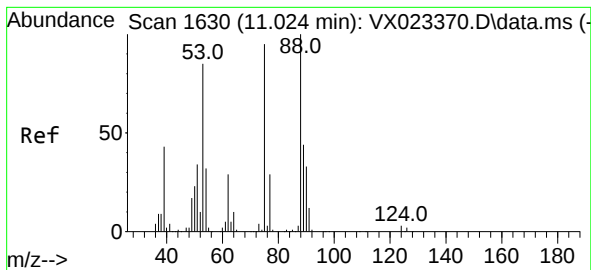
Tgt Ion:152 Resp: 98577
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 156.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.315 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX023636.D
 Acq: 10 Aug 2021 16:09

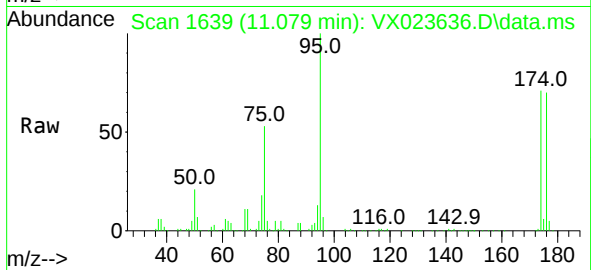
Tgt Ion: 75 Resp: 57083
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.757 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.055 min
 Lab File: VX023636.D
 Acq: 10 Aug 2021 16:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 57083
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

