

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023298.D
 Acq On : 15 Jul 2021 14:52
 Operator : JC/MD
 Sample : M3058-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 16 03:51:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

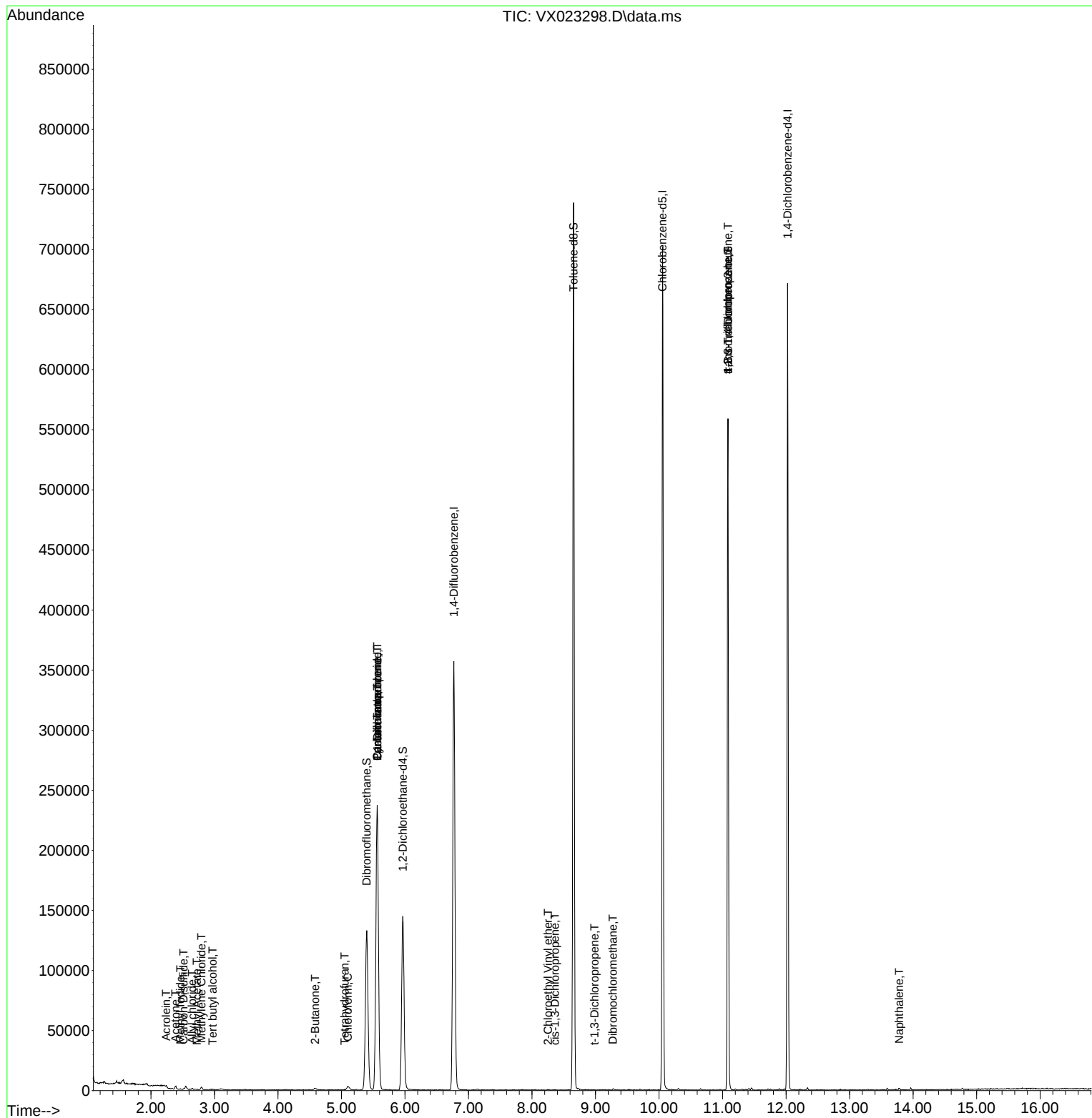
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	220629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	359606	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	148563	50.101	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.200%		
35) Dibromofluoromethane	5.397	113	113578	48.910	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.820%		
50) Toluene-d8	8.653	98	424143	48.964	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.920%		
62) 4-Bromofluorobenzene	11.085	95	151911	45.426	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 90.860%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	516	Below Cal	#	67
10) Methyl Iodide	2.465	142	538	0.206	ug/l #	63
11) Tert butyl alcohol	2.971	59	408	0.654	ug/l #	73
13) Acrolein	2.239	56	263	0.633	ug/l #	55
14) Allyl chloride	2.648	41	1362	0.399	ug/l #	57
16) Acetone	2.386	43	3068	2.615	ug/l	97
17) Carbon Disulfide	2.514	76	866	0.209	ug/l #	68
18) Methyl Acetate	2.721	43	643	0.226	ug/l #	68
20) Methylene Chloride	2.794	84	1047	0.415	ug/l	94
25) 2-Butanone	4.587	43	384	0.217	ug/l #	45
29) Tetrahydrofuran	5.050	42	239	0.210	ug/l #	27
30) Chloroform	5.099	83	3673	0.835	ug/l	84
31) Cyclohexane	5.562	56	4571	1.287	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	16570	5.169	ug/l #	50
38) Carbon Tetrachloride	5.562	117	22610	6.757	ug/l #	17
53) t-1,3-Dichloropropene	8.982	75	155	2.773	ug/l #	44
54) cis-1,3-Dichloropropene	8.360	75	41	2.182	ug/l #	36
58) 2-Chloroethyl Vinyl ether	8.251	63	145	4.757	ug/l #	45
60) Dibromochloromethane	9.275	129	150	3.162	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	77953	28.602	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	77953	77.020	ug/l #	12
95) Naphthalene	13.780	128	1401	1.411	ug/l #	94

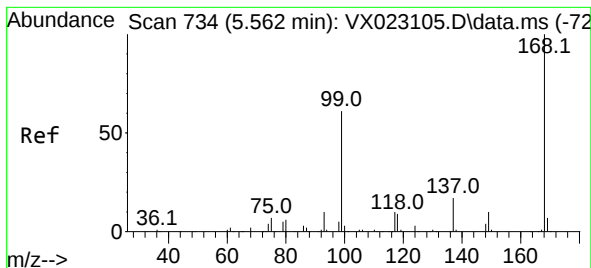
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX023298.D

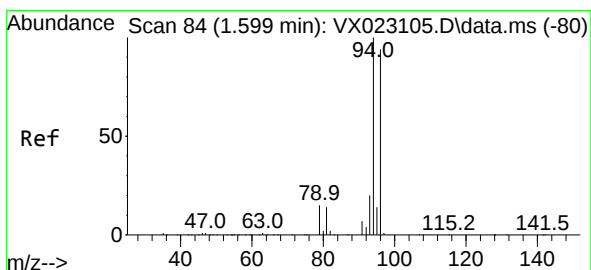
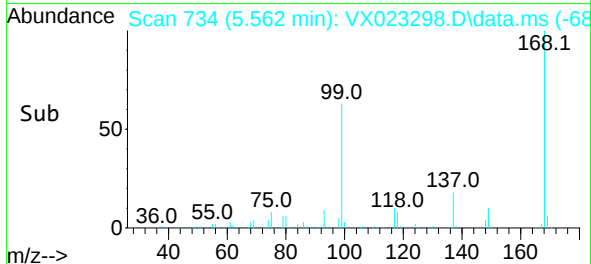
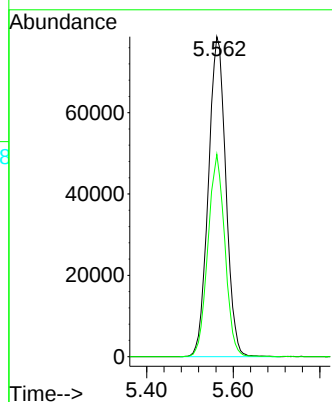
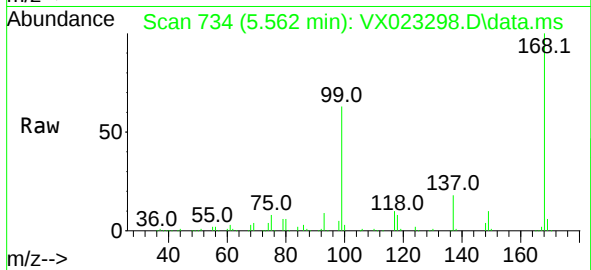
Acq: 15 Jul 2021 14:52

Tgt Ion:168 Resp: 220629

Ion Ratio Lower Upper

168 100

99 63.2 45.8 68.6



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX023298.D

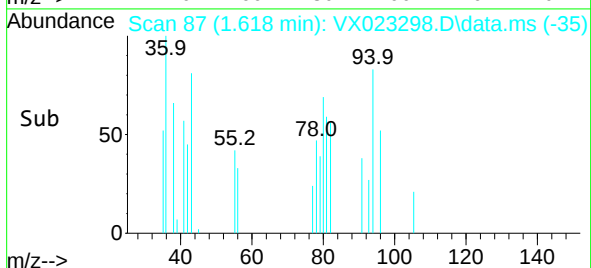
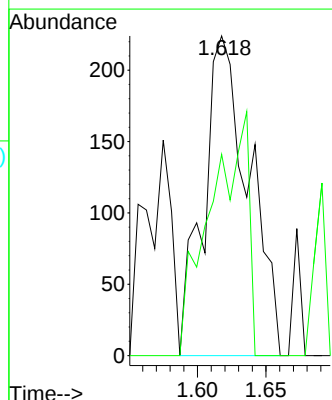
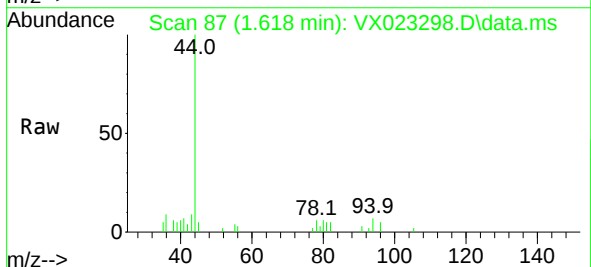
Acq: 15 Jul 2021 14:52

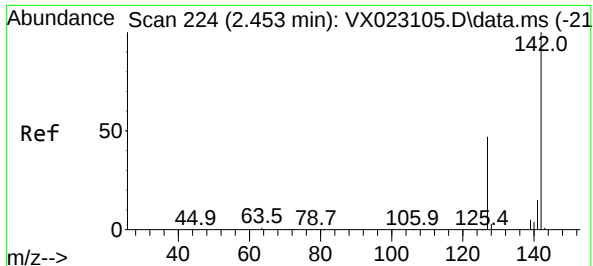
Tgt Ion: 94 Resp: 516

Ion Ratio Lower Upper

94 100

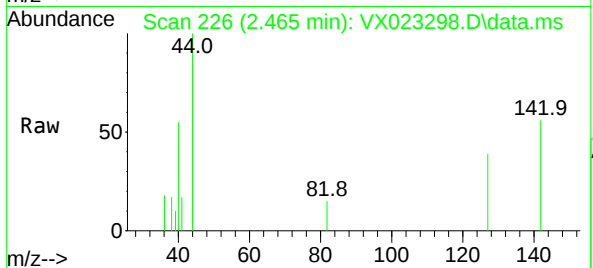
96 62.9 76.4 114.6#



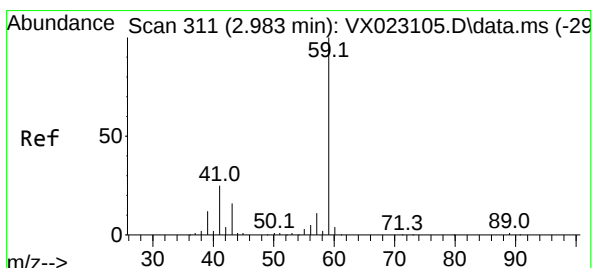
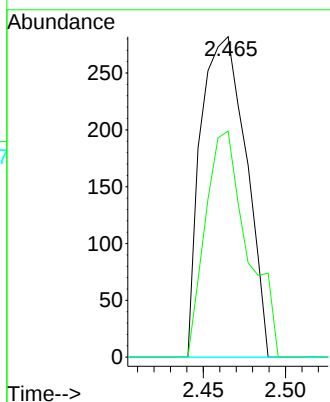
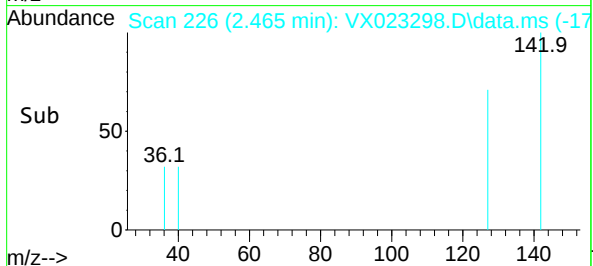


#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

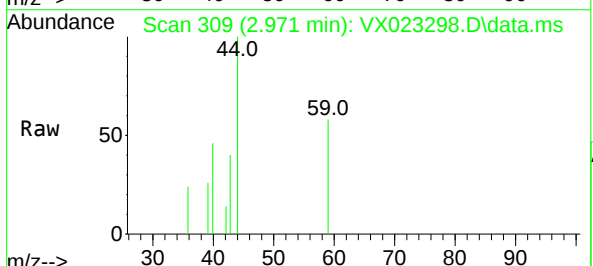
Instrument :
MSVOA_X
ClientSampleId :



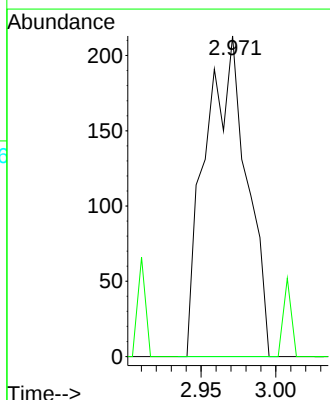
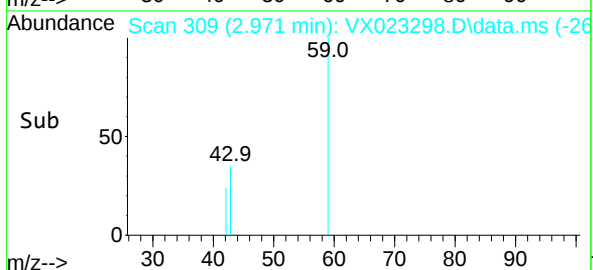
Tgt Ion:142 Resp: 538
Ion Ratio Lower Upper
142 100
127 65.6 33.3 49.9#
141 0.0 11.4 17.0#

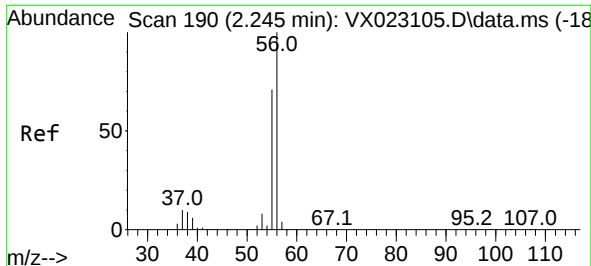


#11
Tert butyl alcohol
Concen: 0.654 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52



Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

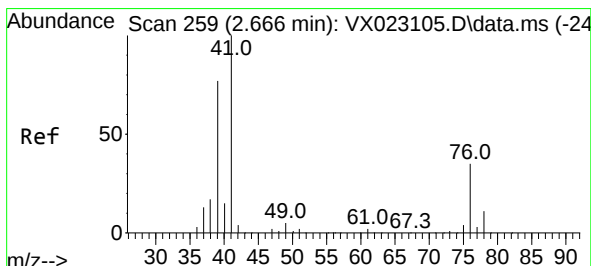
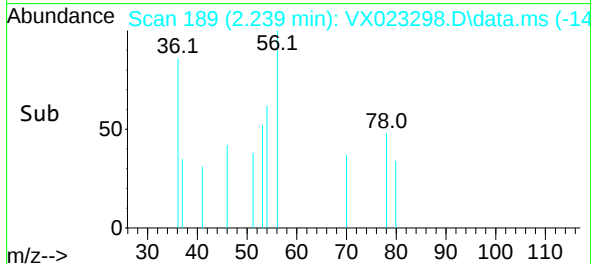
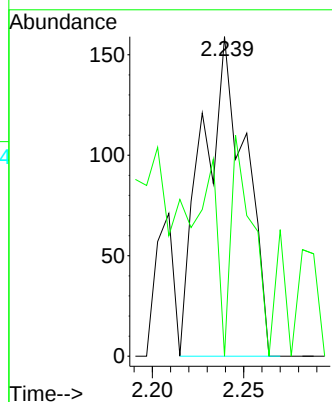
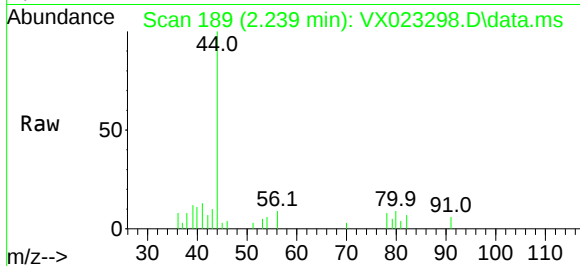




#13
Acrolein
Concen: 0.633 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

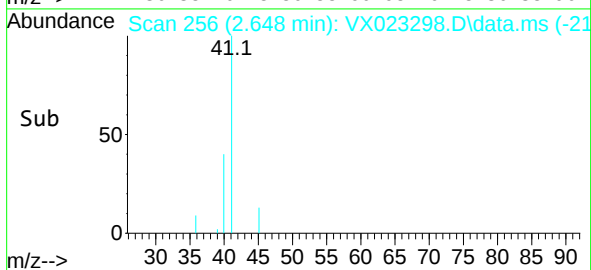
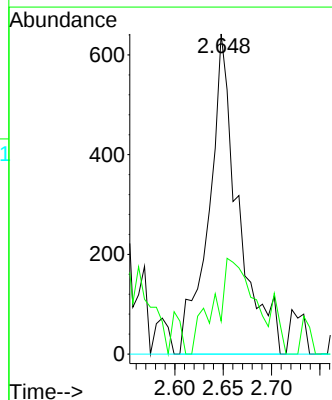
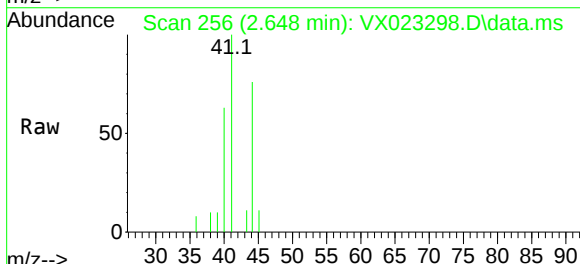
Instrument :
MSVOA_X
ClientSampled :

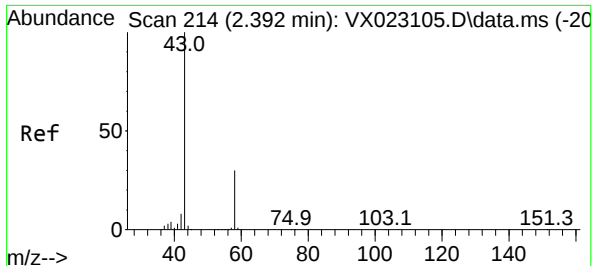
Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 33.8 56.4 84.6#



#14
Allyl chloride
Concen: 0.399 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 41 Resp: 1362
Ion Ratio Lower Upper
41 100
39 39.6 51.6 77.4#
76 0.0 30.5 45.7#

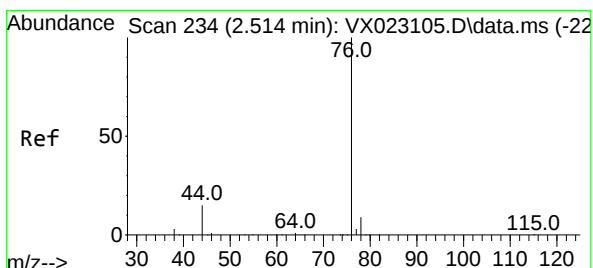
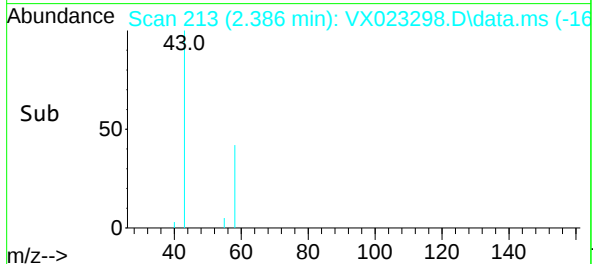
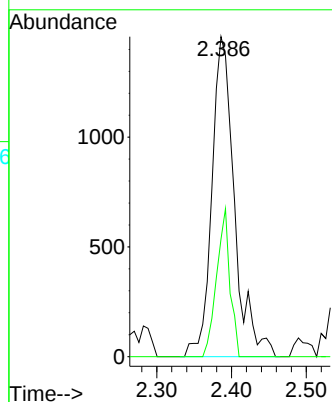
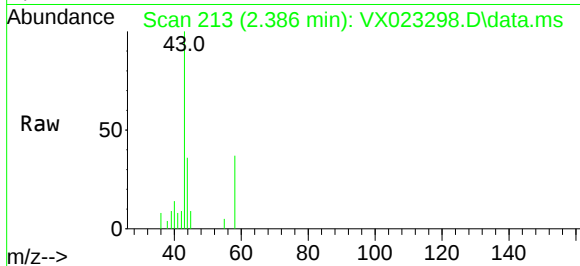




#16
Acetone
Concen: 2.615 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

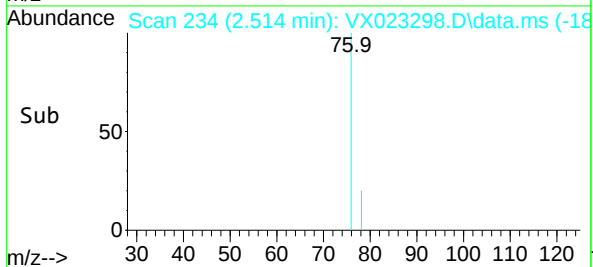
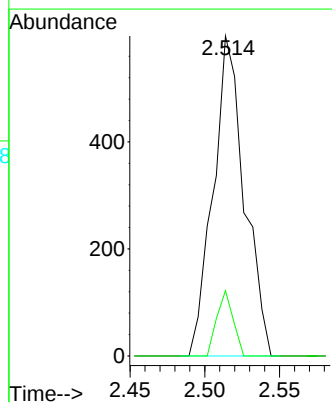
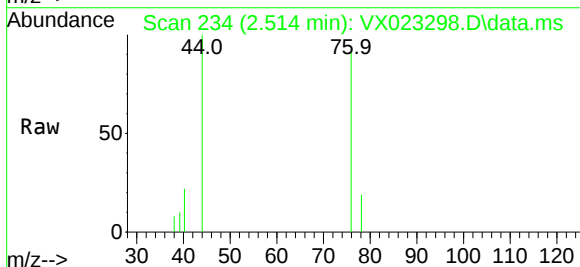
Instrument :
MSVOA_X
ClientSampled :

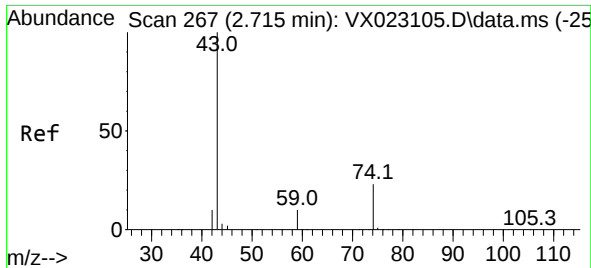
Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
58 36.8 27.8 41.8



#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 76 Resp: 866
Ion Ratio Lower Upper
76 100
78 20.4 7.2 10.8#

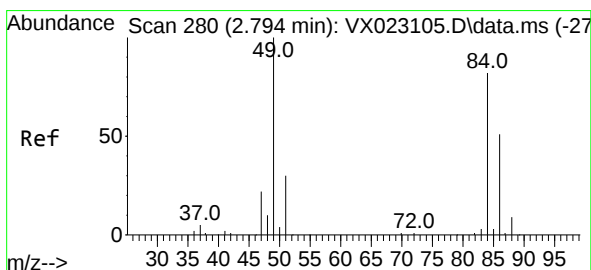
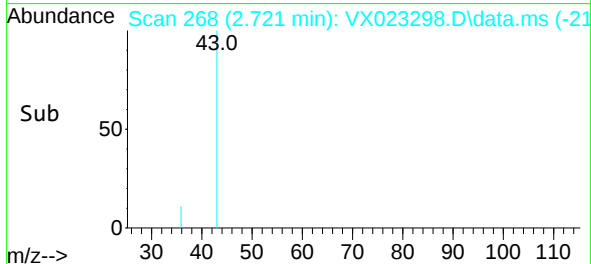
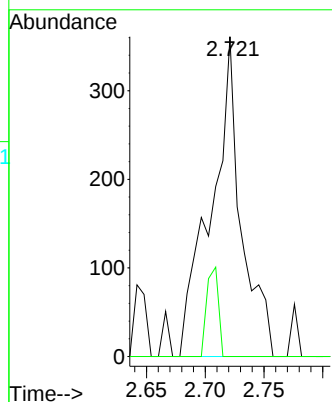
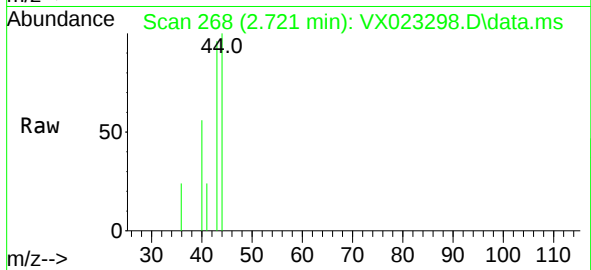




#18
Methyl Acetate
Concen: 0.226 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

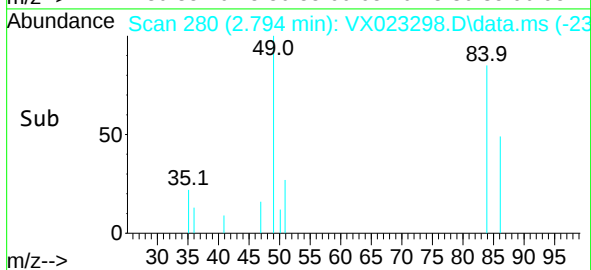
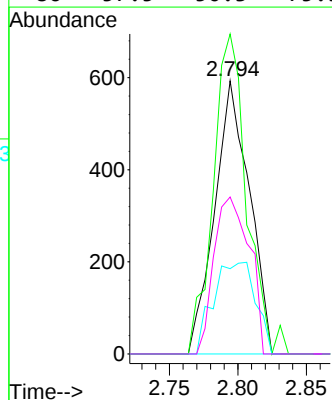
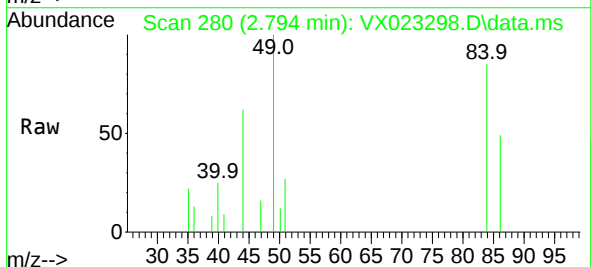
Instrument :
MSVOA_X
ClientSampled :

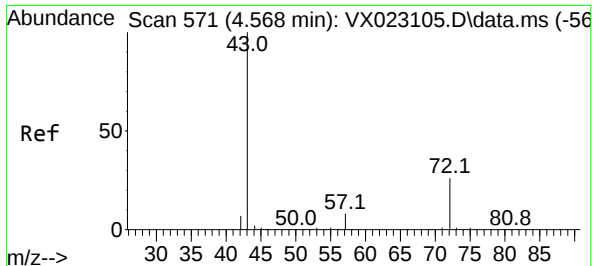
Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
74 10.7 21.9 32.9#



#20
Methylene Chloride
Concen: 0.415 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 84 Resp: 1047
Ion Ratio Lower Upper
84 100
49 117.2 88.6 132.8
51 31.2 27.0 40.6
86 57.5 50.3 75.5





#25

2-Butanone

Concen: 0.217 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

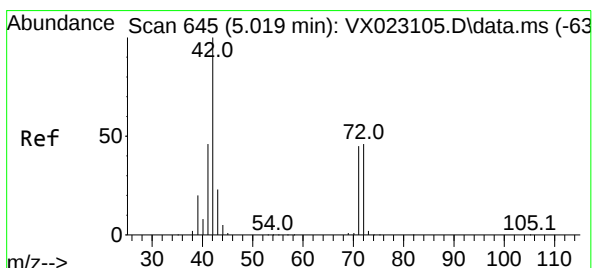
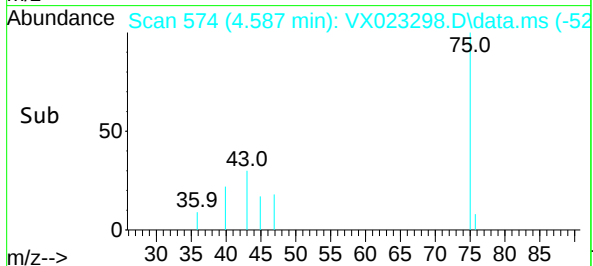
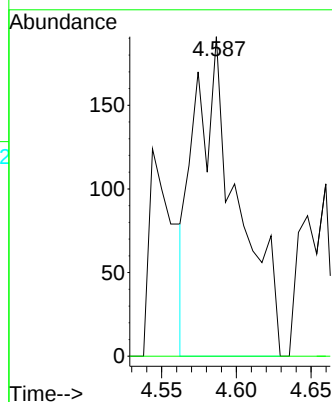
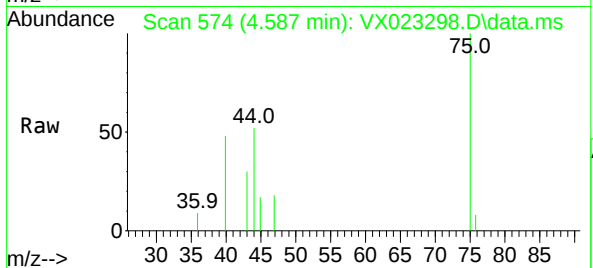
Lab File: VX023298.D

Acq: 15 Jul 2021 14:52

Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100
72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

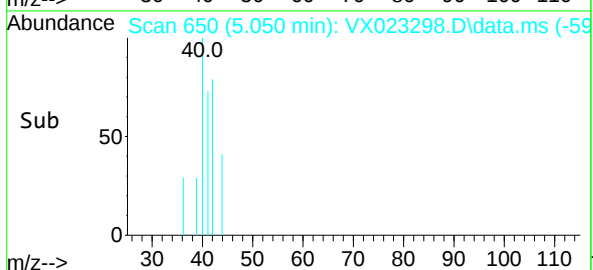
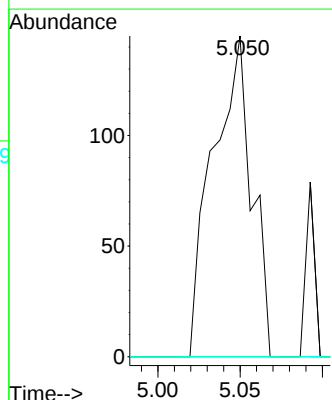
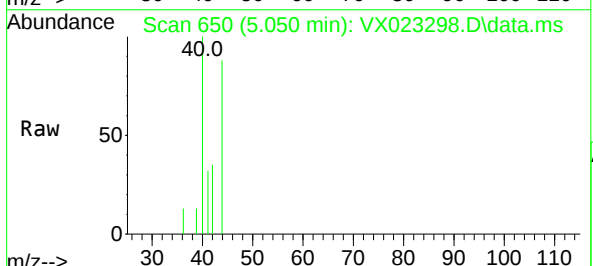
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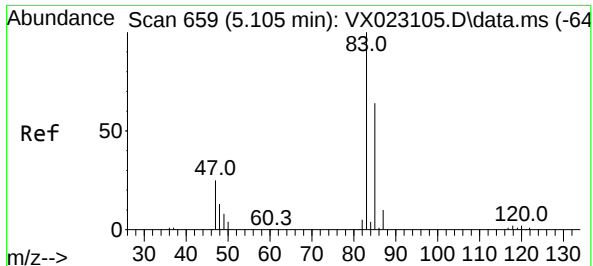
Acq: 15 Jul 2021 14:52

Tgt Ion: 42 Resp: 239

Ion Ratio Lower Upper

42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#





#30

Chloroform

Concen: 0.835 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX023298.D

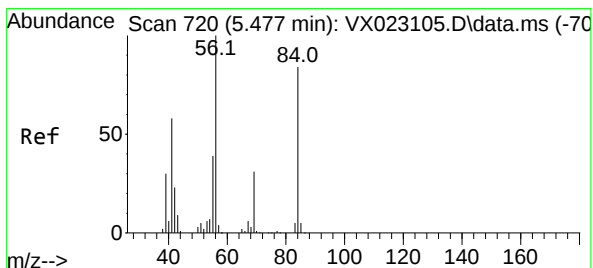
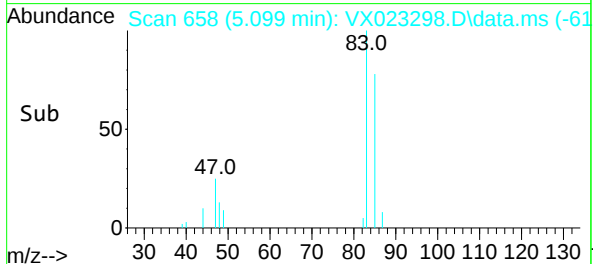
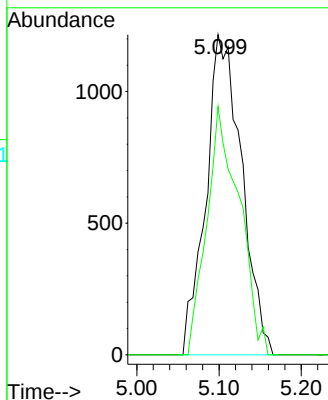
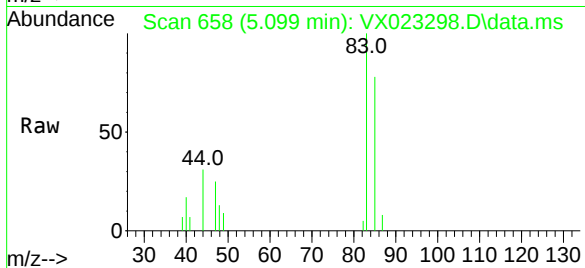
Acq: 15 Jul 2021 14:52

Tgt Ion: 83 Resp: 3673

Ion Ratio Lower Upper

83 100

85 77.5 52.0 78.0



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023298.D

Acq: 15 Jul 2021 14:52

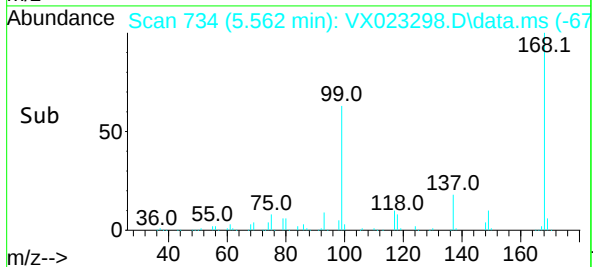
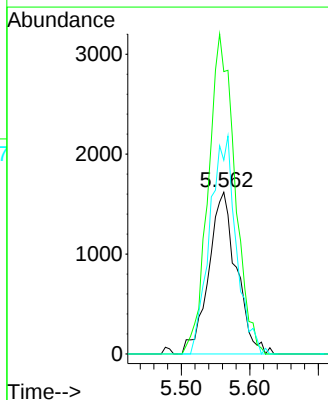
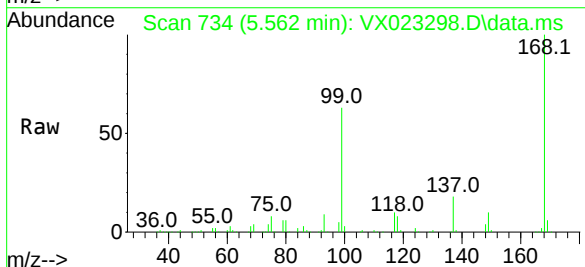
Tgt Ion: 56 Resp: 4571

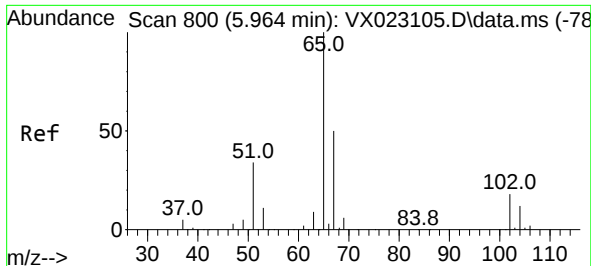
Ion Ratio Lower Upper

56 100

69 174.4 25.3 37.9#

84 119.8 71.4 107.0#

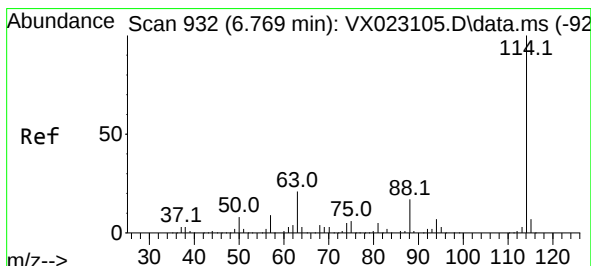
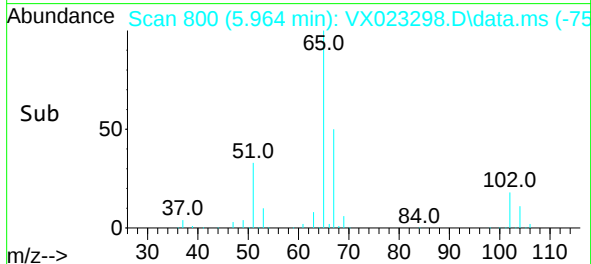
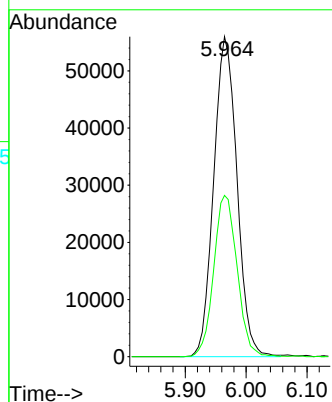
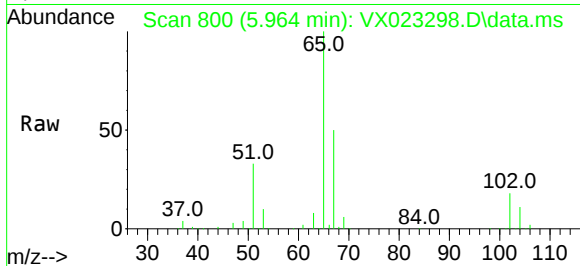




#33
 1,2-Dichloroethane-d4
 Concen: 50.101 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023298.D
 Acq: 15 Jul 2021 14:52

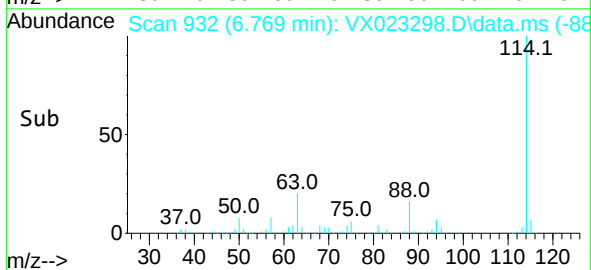
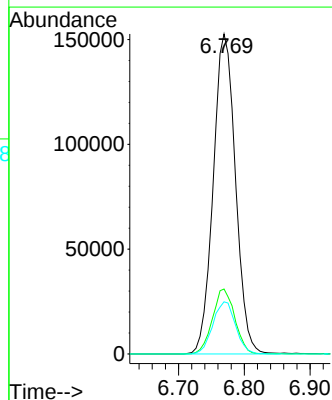
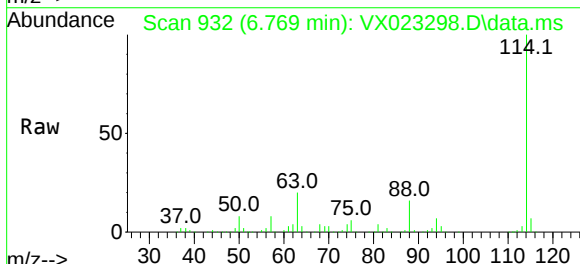
Instrument :
 MSVOA_X
 ClientSampled :

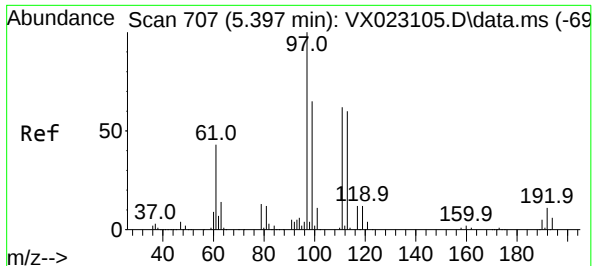
Tgt Ion: 65 Resp: 148563
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023298.D
 Acq: 15 Jul 2021 14:52

Tgt Ion: 114 Resp: 359606
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.3 0.0 32.8

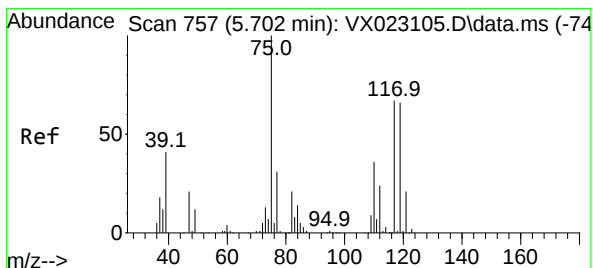
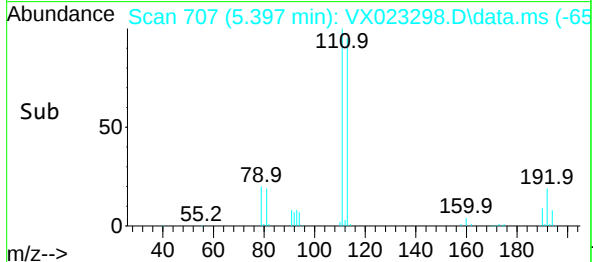
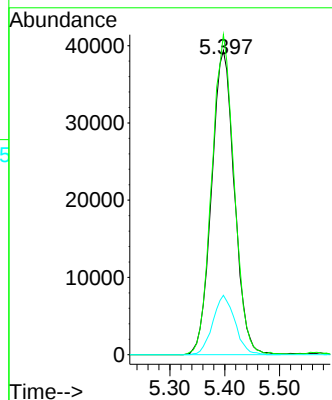
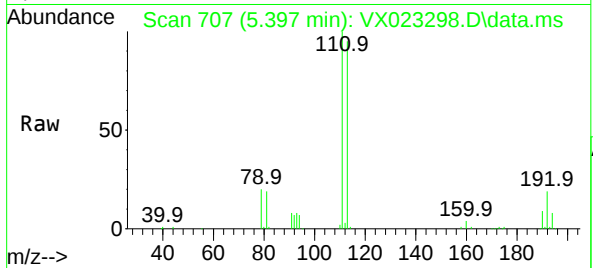




#35
Dibromofluoromethane
Concen: 48.910 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

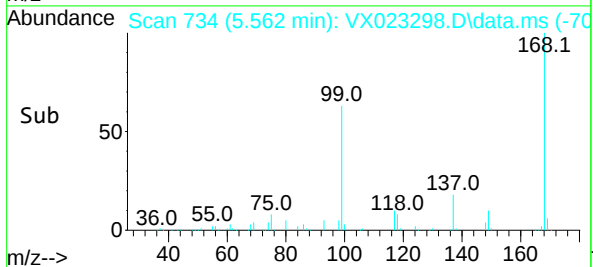
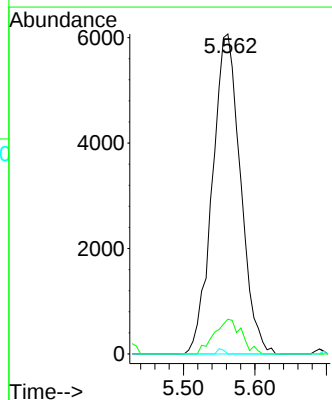
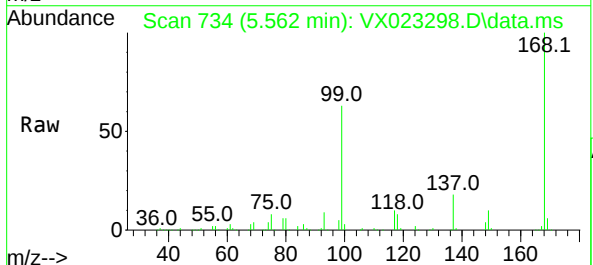
Instrument :
MSVOA_X
ClientSampled :

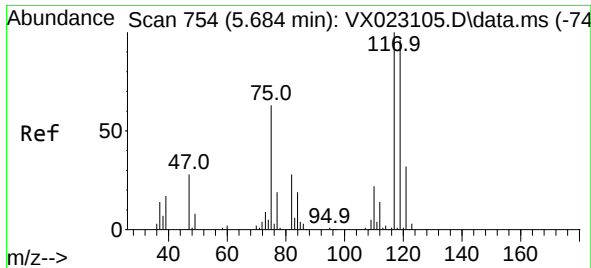
Tgt Ion:113 Resp: 113578
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.169 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

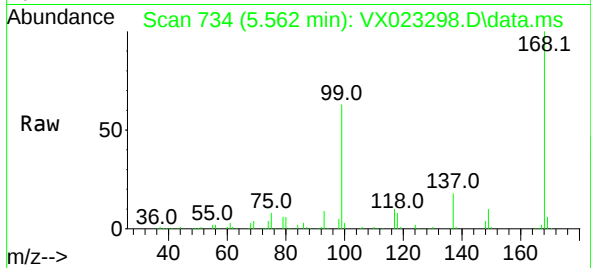
Tgt Ion: 75 Resp: 16570
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.4 25.3 37.9#



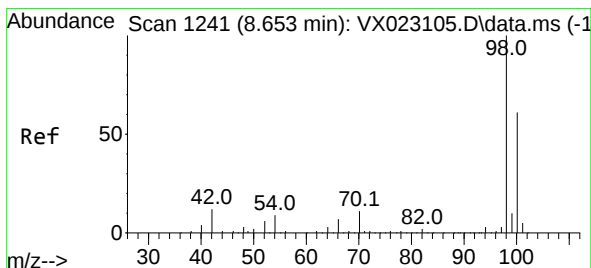
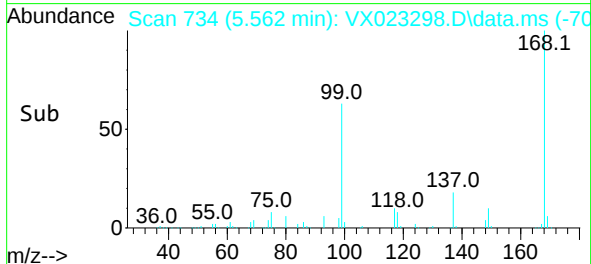
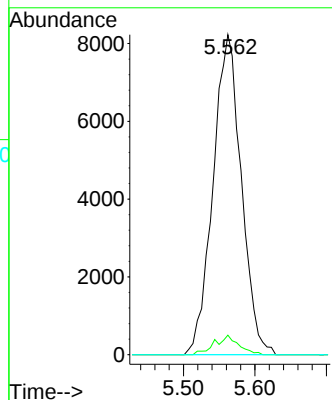


#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Instrument :
MSVOA_X
ClientSampled :

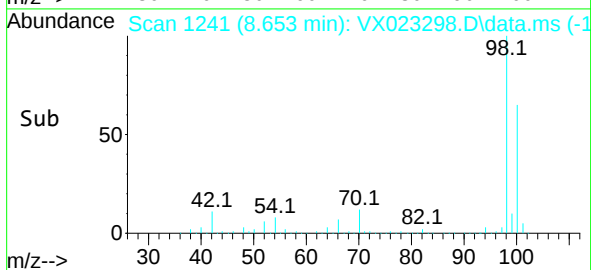
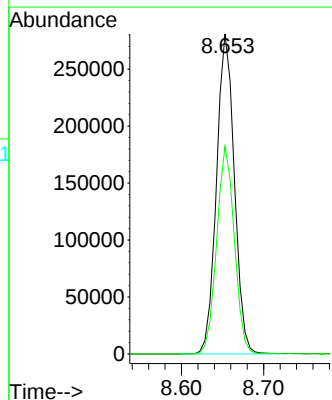
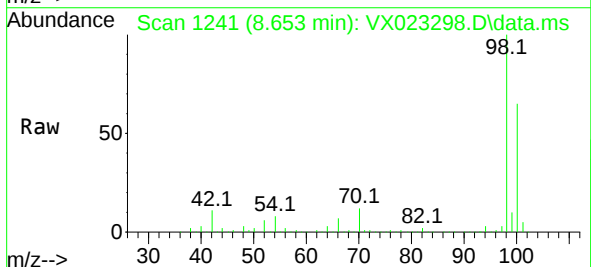


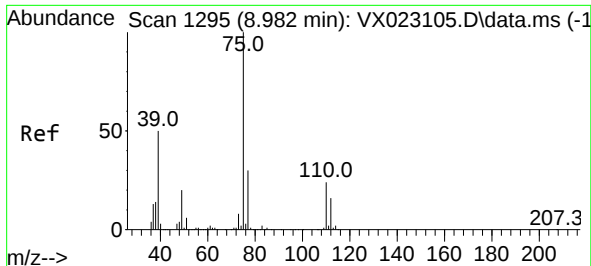
Tgt Ion:117 Resp: 22610
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.964 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 98 Resp: 424143
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

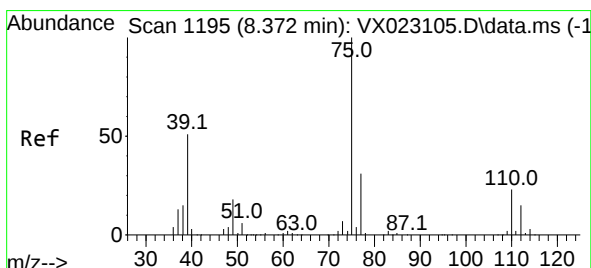
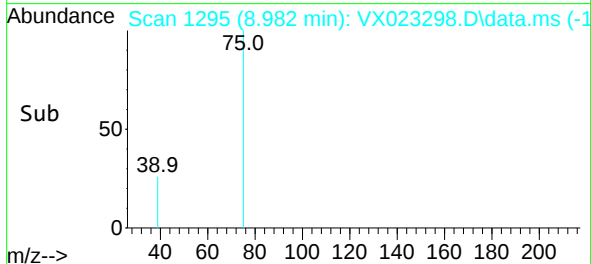
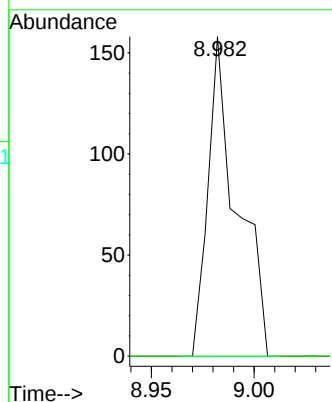
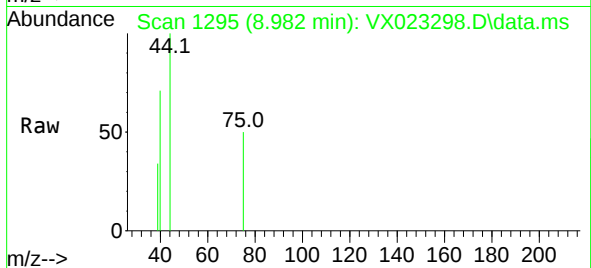




#53
t-1,3-Dichloropropene
Concen: 2.773 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

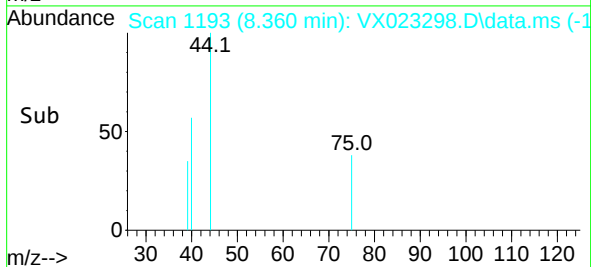
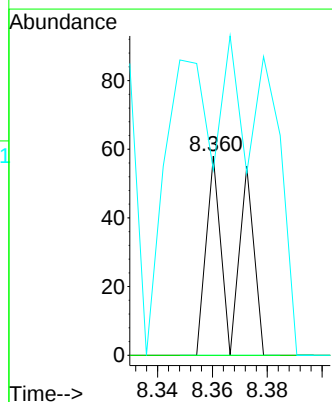
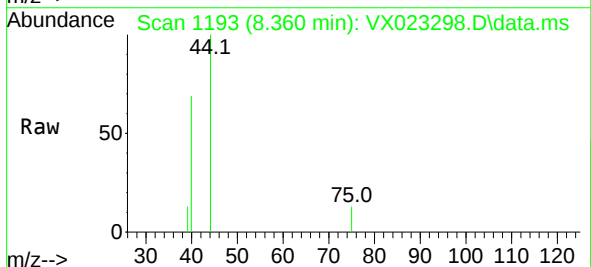
Instrument :
MSVOA_X
ClientSampled :

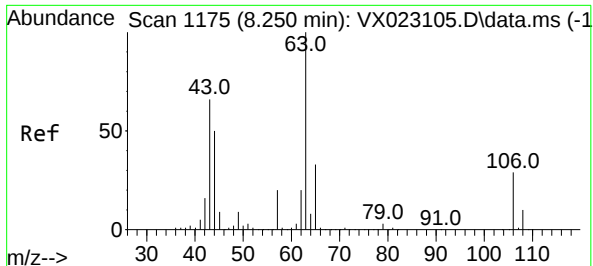
Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 2.182 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.012 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 0.0 35.1 52.7#

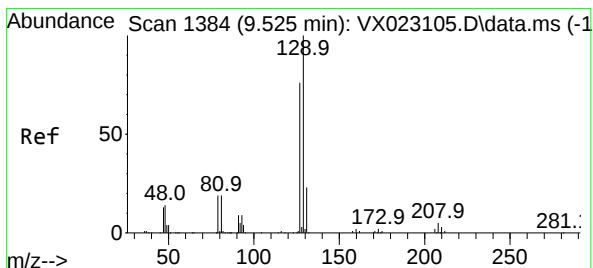
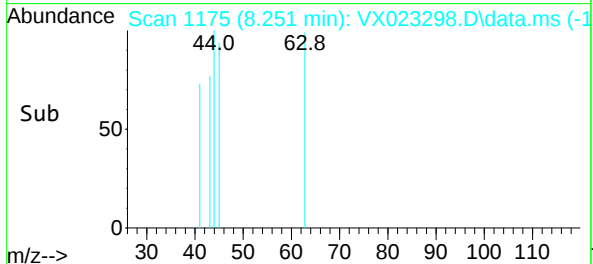
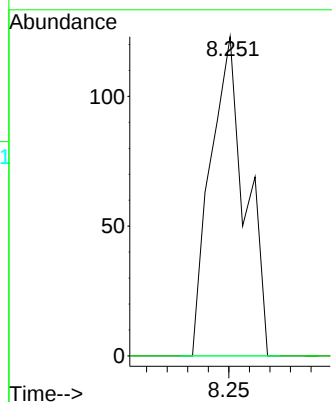
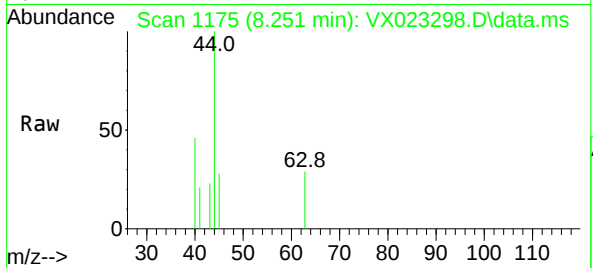




#58
2-Chloroethyl Vinyl ether
Concen: 4.757 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.001 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

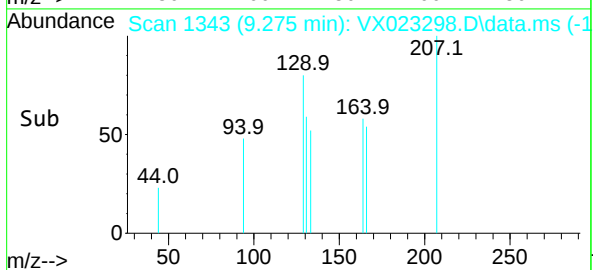
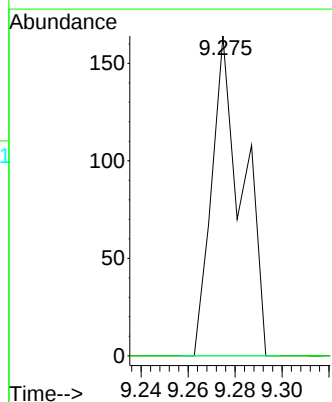
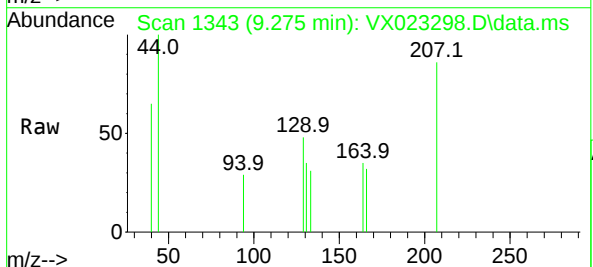
Instrument :
MSVOA_X
ClientSampled :

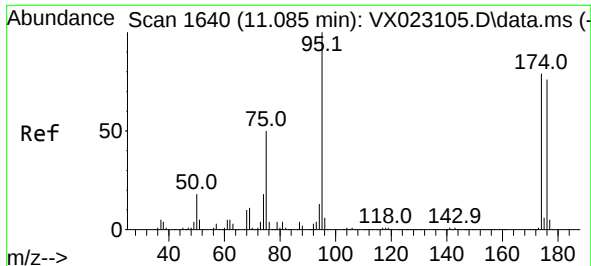
Tgt Ion: 63 Resp: 145
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.162 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 129 Resp: 150
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

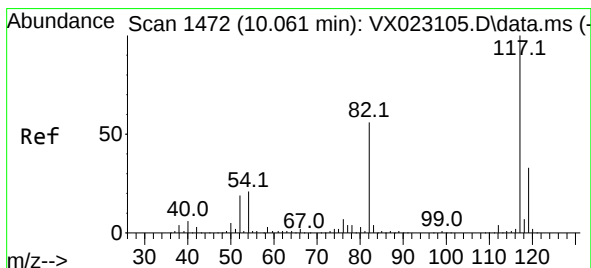
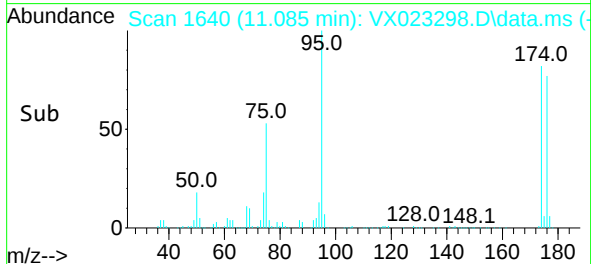
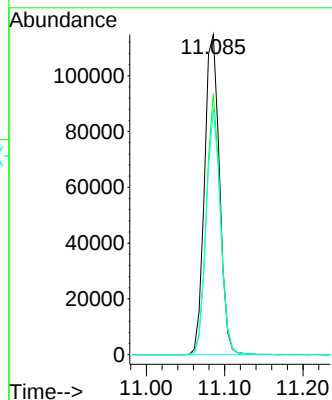
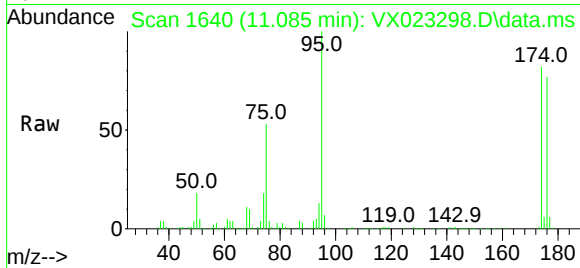




#62
4-Bromofluorobenzene
Concen: 45.426 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

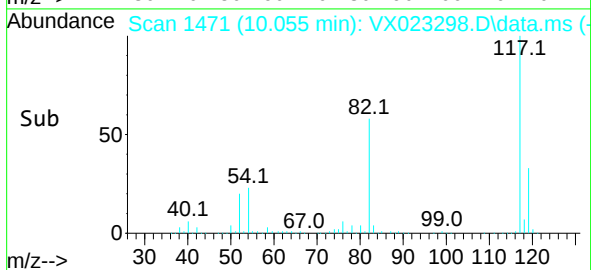
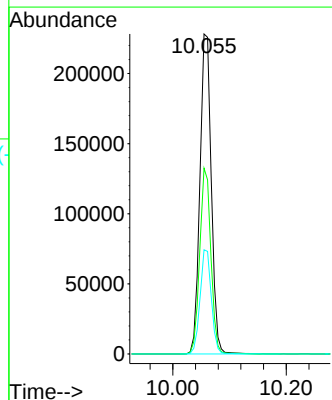
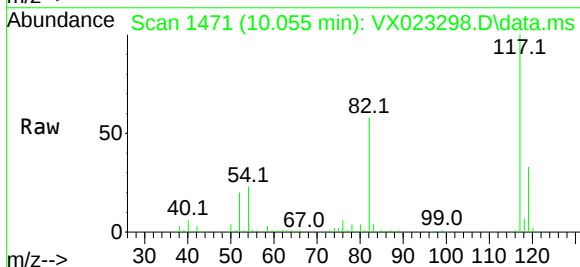
Instrument :
MSVOA_X
ClientSampled :

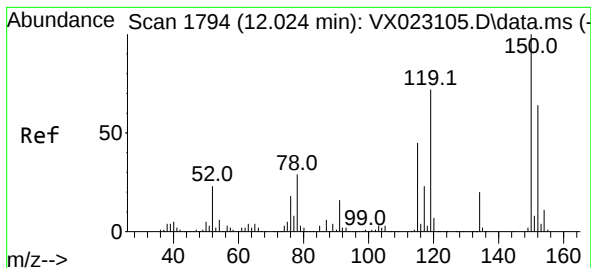
Tgt Ion: 95 Resp: 151911
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.6
176 73.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 117 Resp: 317131
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.5 26.6 39.8

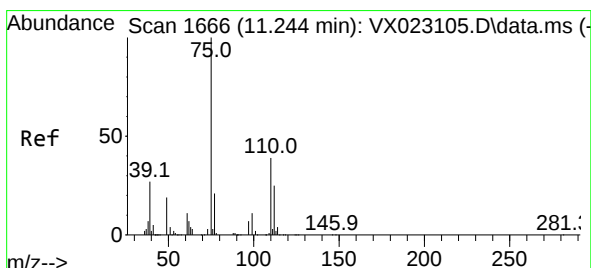
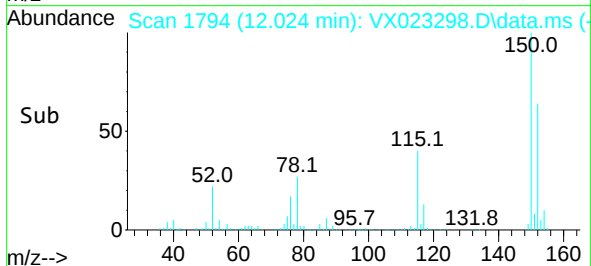
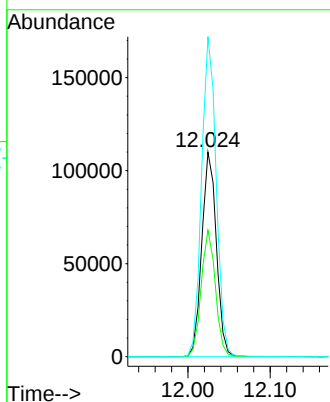
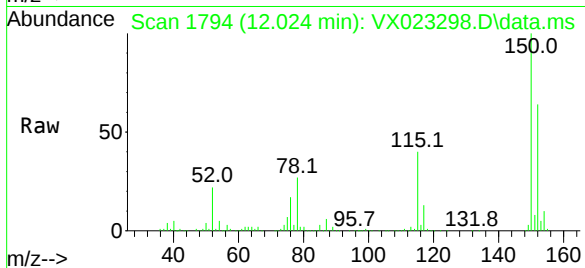




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023298.D
 Acq: 15 Jul 2021 14:52

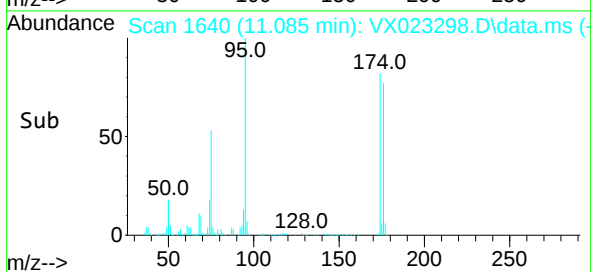
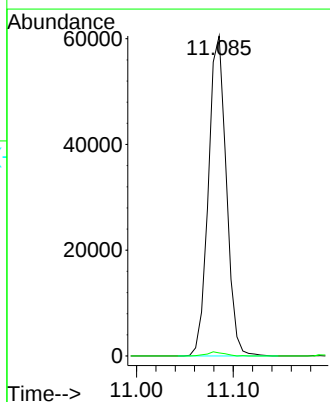
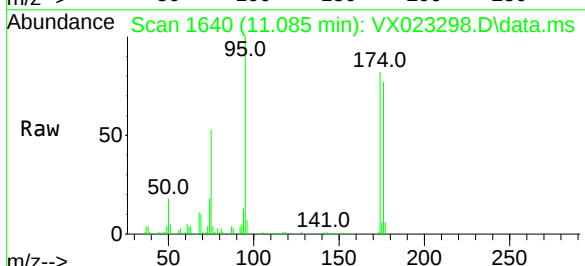
Instrument :
 MSVOA_X
 ClientSampled :

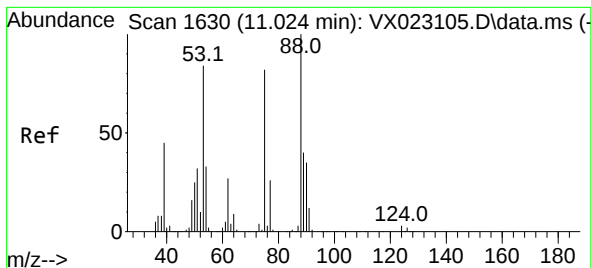
Tgt Ion:152 Resp: 135435
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.1 123.3
 150 156.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.602 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023298.D
 Acq: 15 Jul 2021 14:52

Tgt Ion: 75 Resp: 77953
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

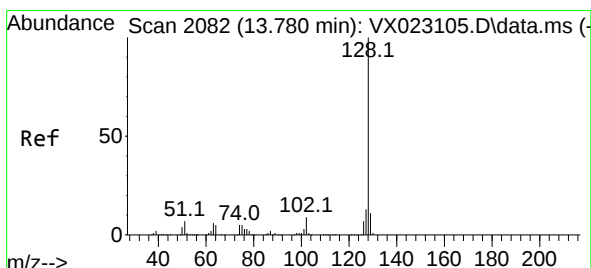
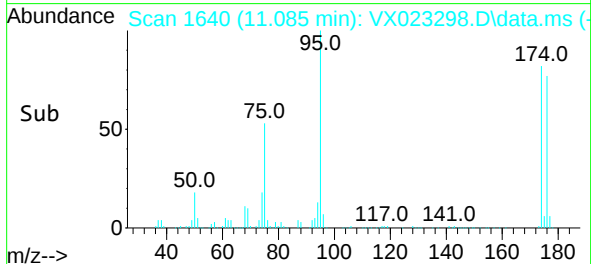
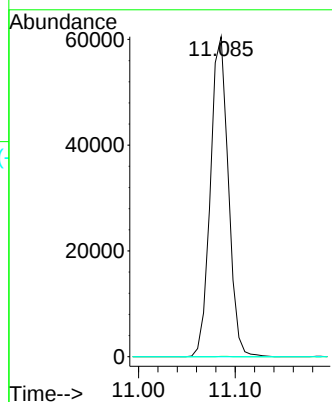
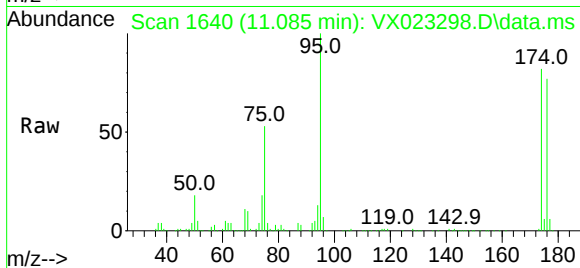




#81
trans-1,4-Dichloro-2-butene
Concen: 77.020 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 77953
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.411 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023298.D
Acq: 15 Jul 2021 14:52

Tgt Ion: 128 Resp: 1401
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 6.9 8.8 13.2#

