

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023140.D
 Acq On : 06 Jul 2021 12:57
 Operator : JC/MD
 Sample : M2907-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:50:38 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)

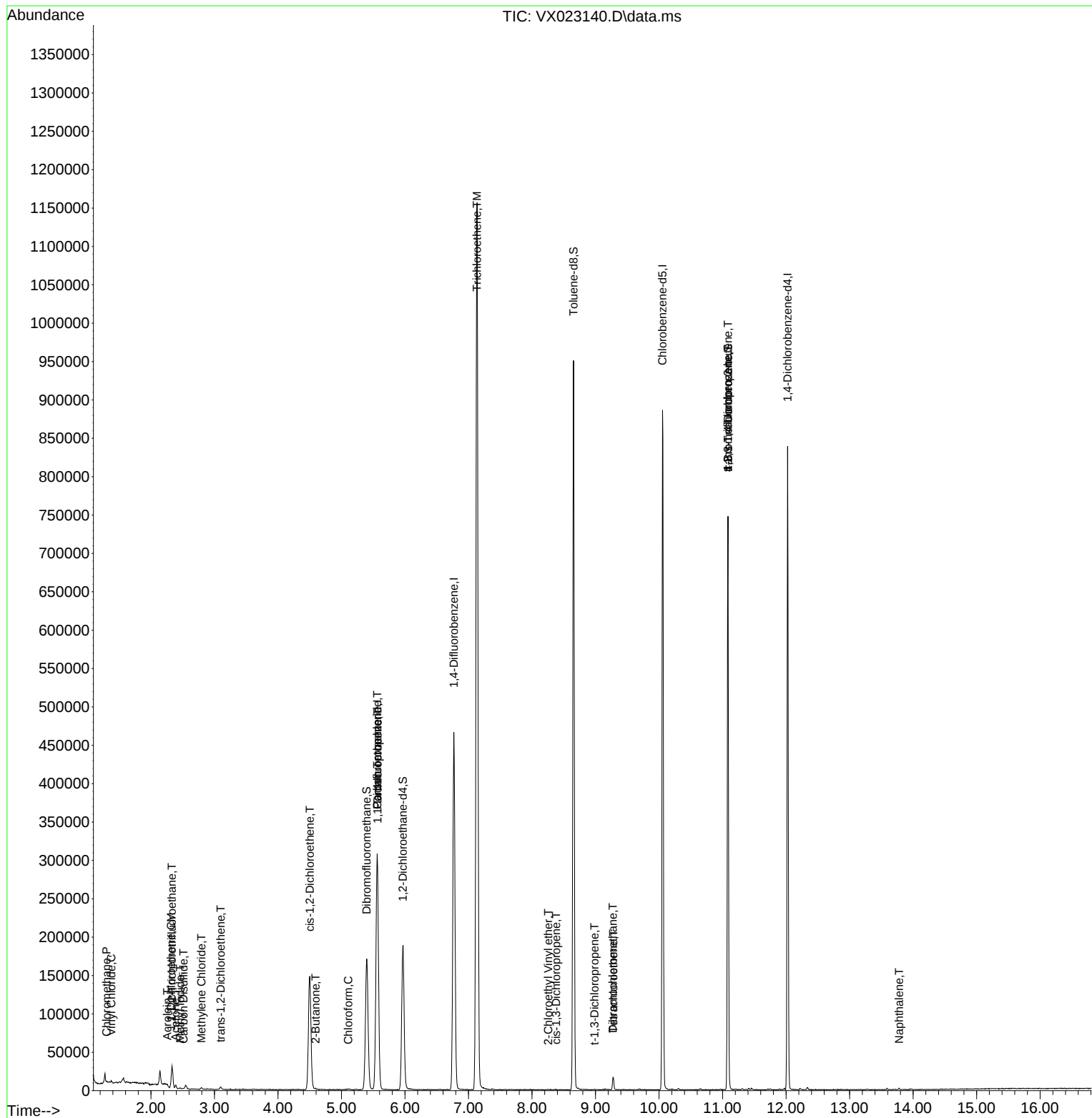
Internal Standards						
1) Pentafluorobenzene	5.562	168	283035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	463555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	188890	49.656	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.320%
35) Dibromofluoromethane	5.397	113	149256	49.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.720%
50) Toluene-d8	8.653	98	543613	48.684	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.360%
62) 4-Bromofluorobenzene	11.085	95	197072	45.716	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	779	0.307	ug/l	99
4) Vinyl Chloride	1.374	62	1589	0.591	ug/l	99
5) Bromomethane	1.617	94	1470	Below Cal	#	64
9) 1,1,2-Trichlorotrifluo...	2.331	101	9635	3.525	ug/l	99
10) Methyl Iodide	2.459	142	1243	0.370	ug/l	95
12) 1,1-Dichloroethene	2.318	96	1117	0.443	ug/l	# 50
13) Acrolein	2.258	56	481	0.903	ug/l	# 14
16) Acetone	2.386	43	4298	2.856	ug/l	99
17) Carbon Disulfide	2.514	76	1336	0.251	ug/l	# 93
20) Methylene Chloride	2.794	84	944	0.291	ug/l	# 89
21) trans-1,2-Dichloroethene	3.099	96	1385	0.508	ug/l	98
25) 2-Butanone	4.592	43	483	0.213	ug/l	# 45
27) cis-1,2-Dichloroethene	4.501	96	95926	29.065	ug/l	91
30) Chloroform	5.105	83	1182	0.210	ug/l	93
36) 1,1-Dichloropropene	5.568	75	22198	5.372	ug/l	# 41
38) Carbon Tetrachloride	5.562	117	30341	7.034	ug/l	# 16
44) Trichloroethene	7.135	130	450598	132.389	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	229	2.778	ug/l	# 70
54) cis-1,3-Dichloropropene	8.378	75	200	2.208	ug/l	# 55
58) 2-Chloroethyl Vinyl ether	8.256	63	46	4.706	ug/l	# 78
60) Dibromochloromethane	9.275	129	3138	3.921	ug/l	# 11
64) Tetrachloroethene	9.281	164	2900	0.894	ug/l	89
76) 1,2,3-Trichloropropane	11.085	75	99555	29.442	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	99555	79.141	ug/l	# 12
95) Naphthalene	13.780	128	1247	1.372	ug/l	# 88

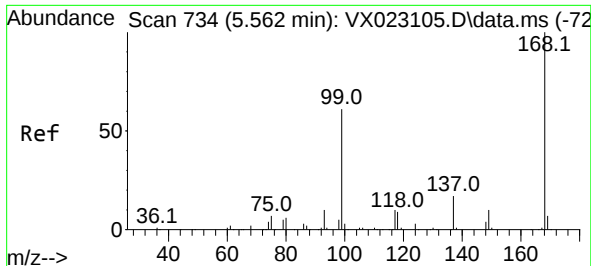
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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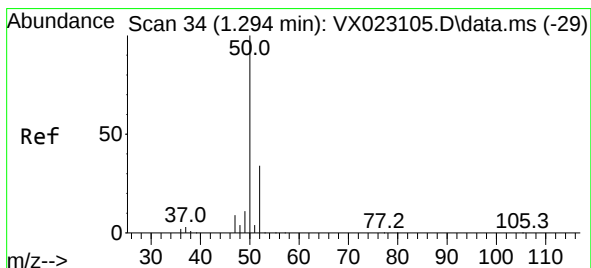
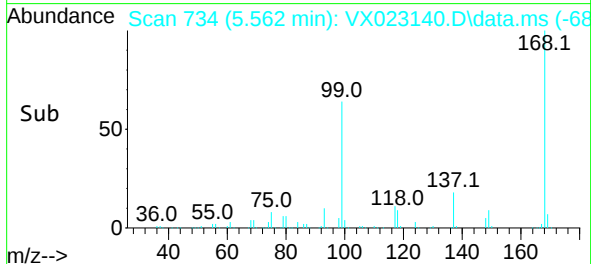
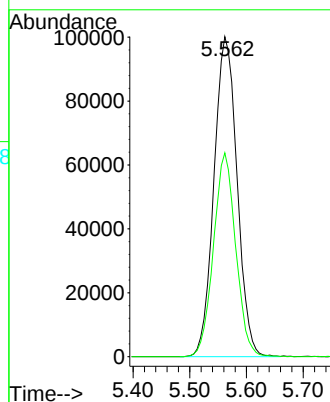
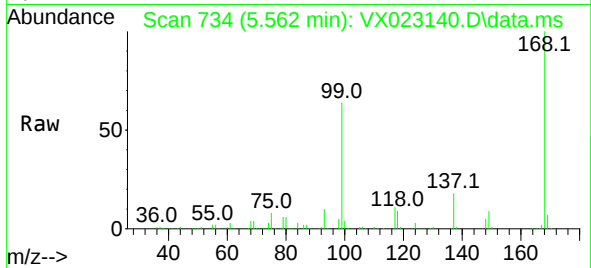




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

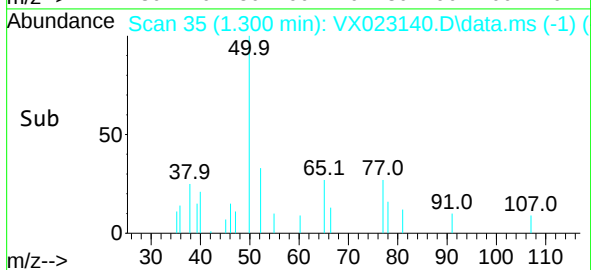
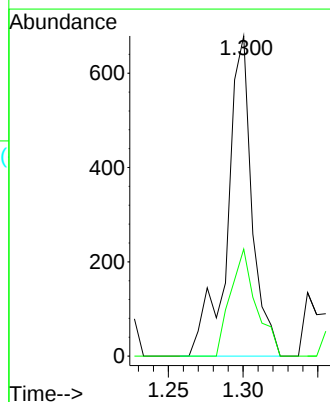
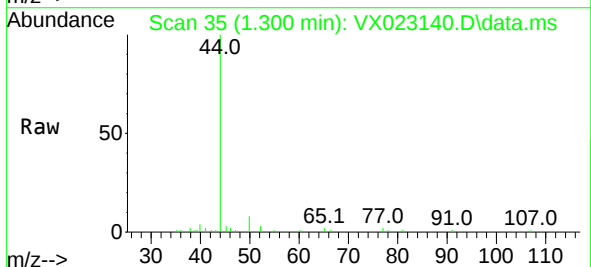
Instrument :
MSVOA_X
ClientSampled :

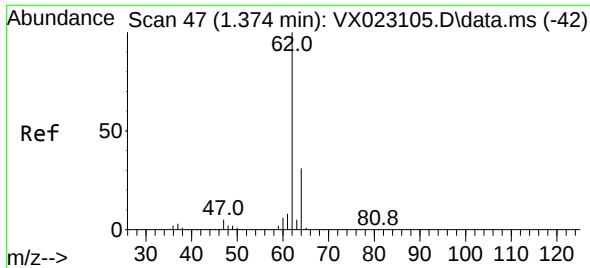
Tgt Ion:168 Resp: 283035
Ion Ratio Lower Upper
168 100
99 63.7 45.8 68.6



#3
Chloromethane
Concen: 0.307 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 50 Resp: 779
Ion Ratio Lower Upper
50 100
52 33.4 26.4 39.6

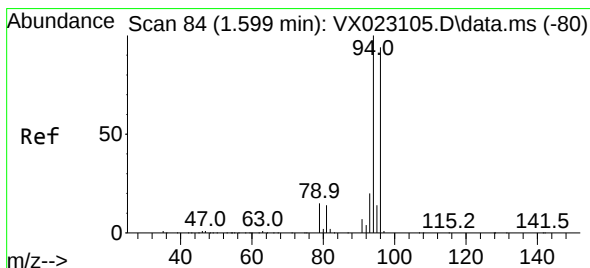
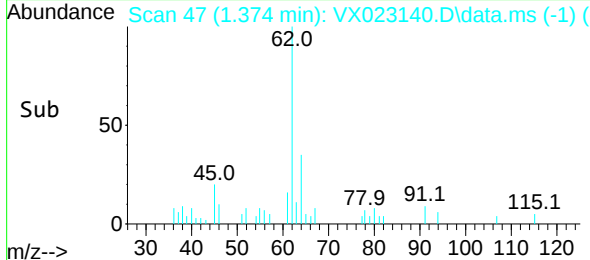
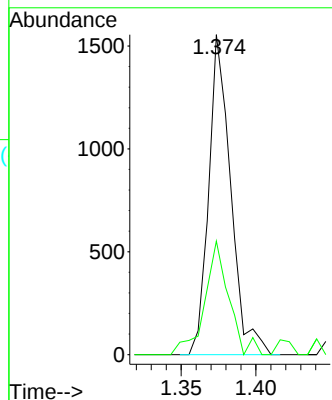
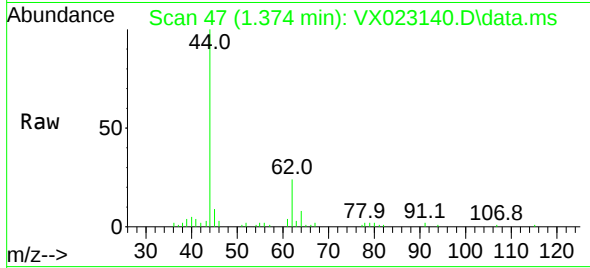




#4
 Vinyl Chloride
 Concen: 0.591 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023140.D
 Acq: 06 Jul 2021 12:57

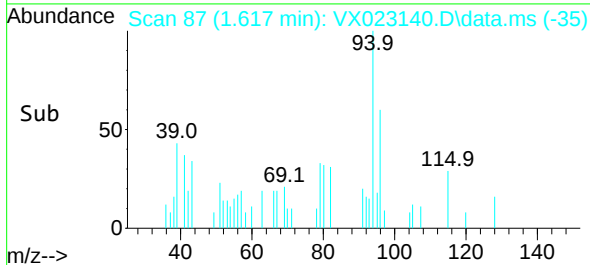
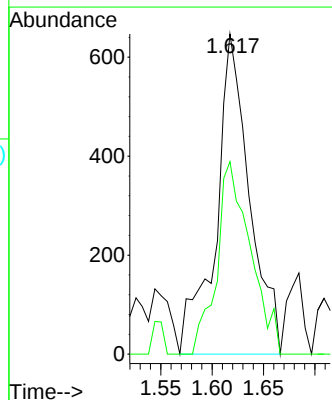
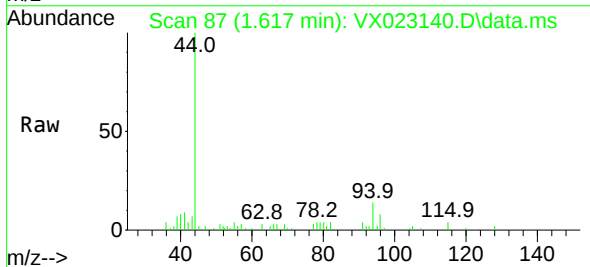
Instrument :
 MSVOA_X
 ClientSampled :

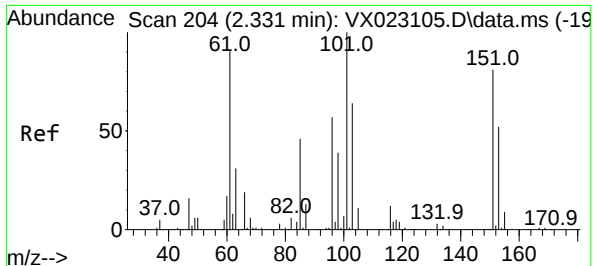
Tgt Ion: 62 Resp: 1589
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX023140.D
 Acq: 06 Jul 2021 12:57

Tgt Ion: 94 Resp: 1470
 Ion Ratio Lower Upper
 94 100
 96 60.1 76.4 114.6#

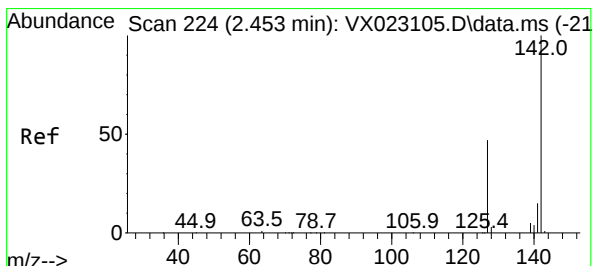
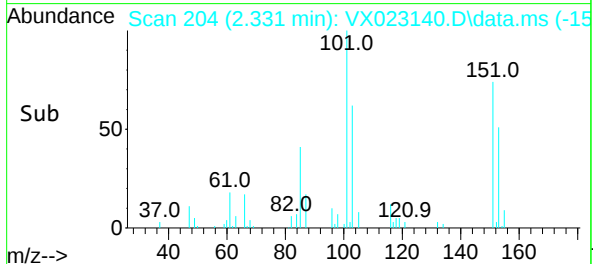
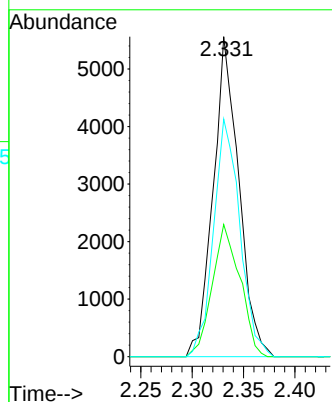
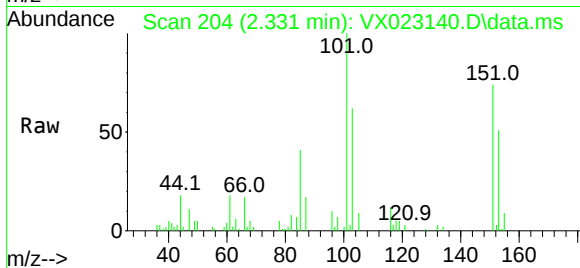




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.525 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

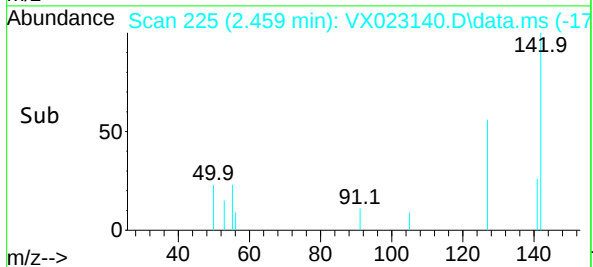
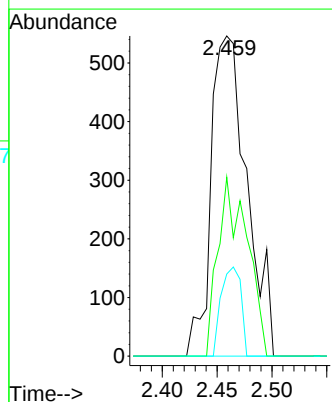
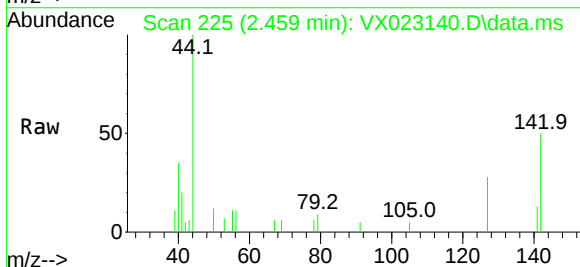
Instrument :
MSVOA_X
ClientSampled :

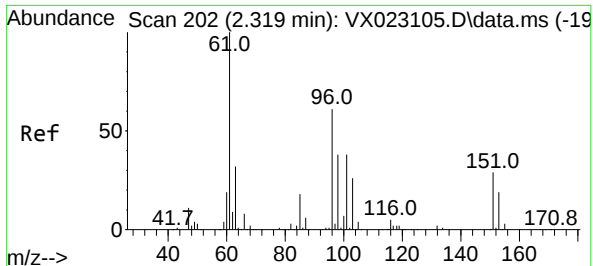
Tgt Ion:101 Resp: 9635
Ion Ratio Lower Upper
101 100
85 44.7 34.9 52.3
151 76.6 61.4 92.2



#10
Methyl Iodide
Concen: 0.370 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion:142 Resp: 1243
Ion Ratio Lower Upper
142 100
127 45.6 33.3 49.9
141 15.4 11.4 17.0





#12

1,1-Dichloroethene

Concen: 0.443 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.001 min

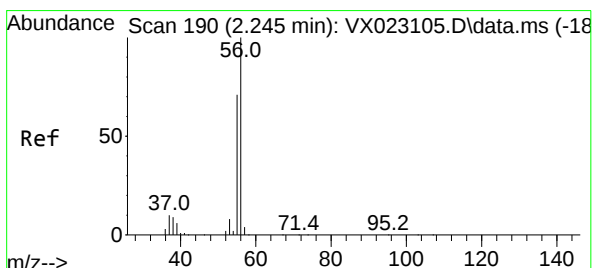
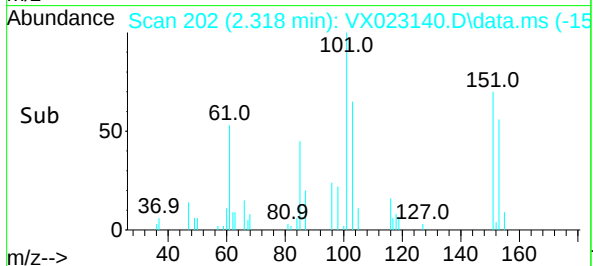
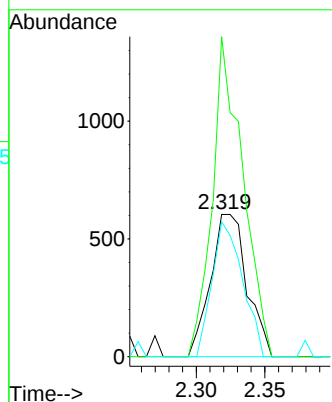
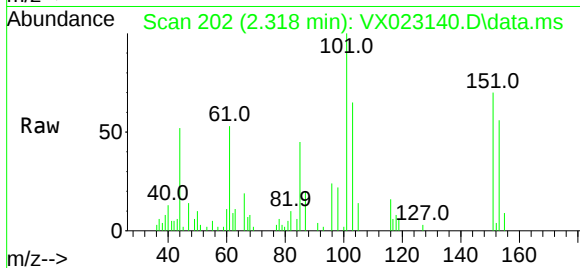
Lab File: VX023140.D

Acq: 06 Jul 2021 12:57

Tgt Ion: 96 Resp: 1117

Ion	Ratio	Lower	Upper
96	100		
61	225.0	124.6	187.0#
98	94.7	50.6	76.0#

Instrument :
MSVOA_X
ClientSampled :



#13

Acrolein

Concen: 0.903 ug/l

RT: 2.258 min Scan# 192

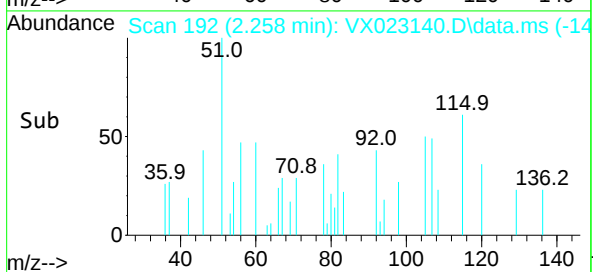
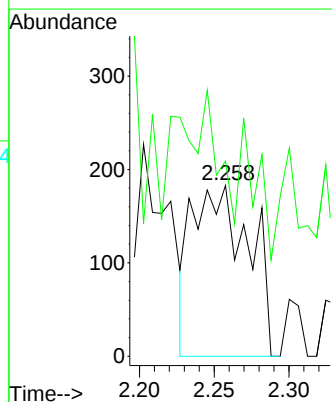
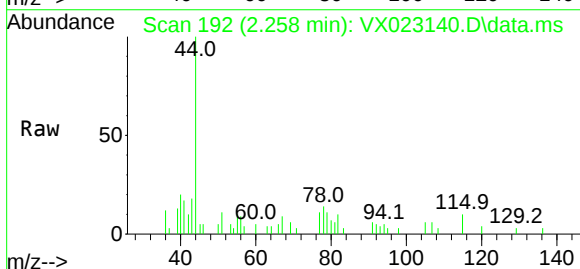
Delta R.T. 0.013 min

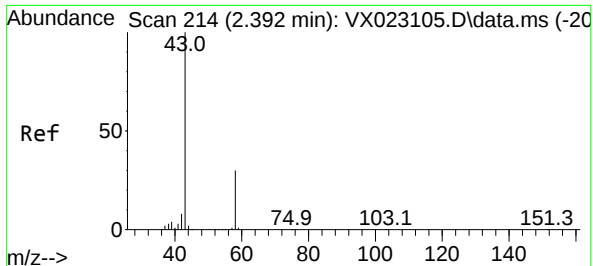
Lab File: VX023140.D

Acq: 06 Jul 2021 12:57

Tgt Ion: 56 Resp: 481

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.4	84.6#

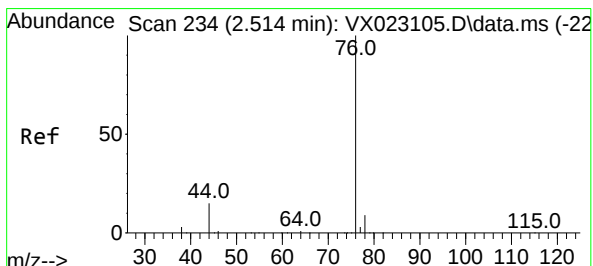
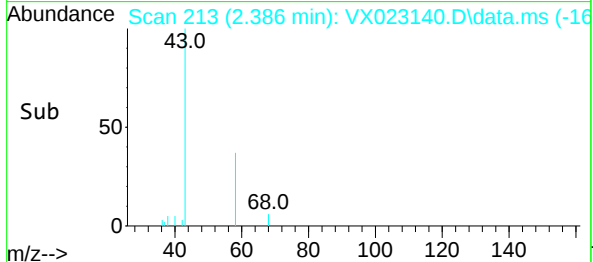
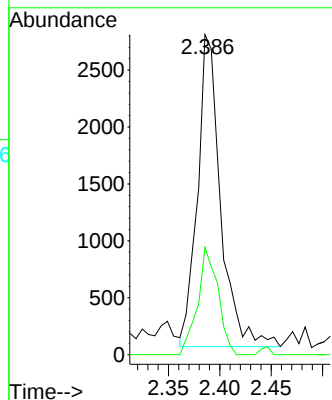
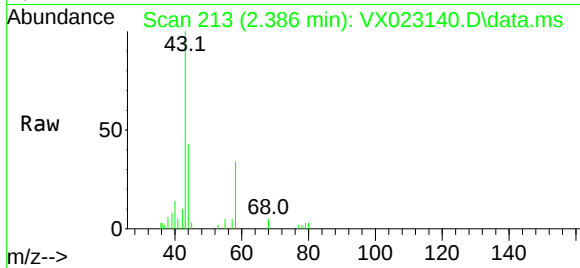




#16
Acetone
Concen: 2.856 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

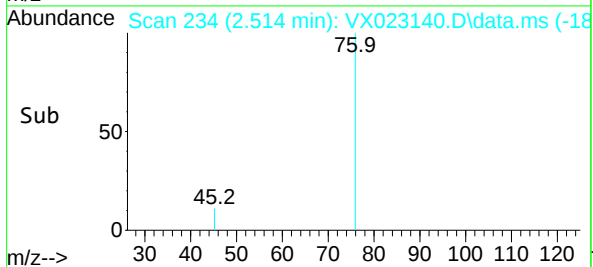
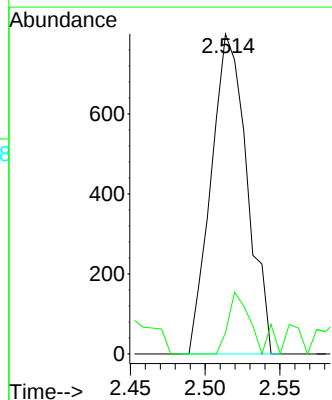
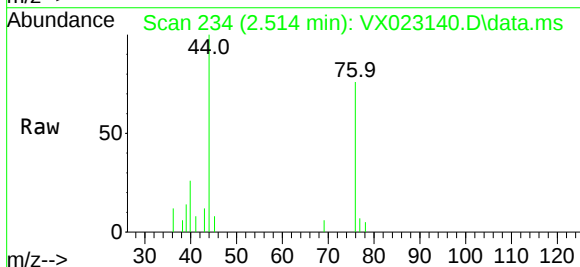
Instrument :
MSVOA_X
ClientSampled :

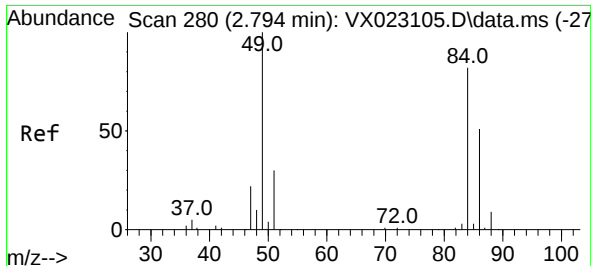
Tgt Ion: 43 Resp: 4298
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 76 Resp: 1336
Ion Ratio Lower Upper
76 100
78 6.6 7.2 10.8#





#20

Methylene Chloride

Concen: 0.291 ug/l

RT: 2.794 min Scan# 280

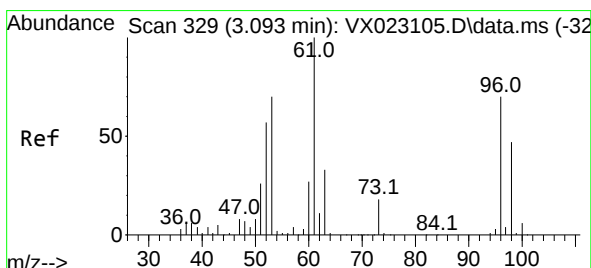
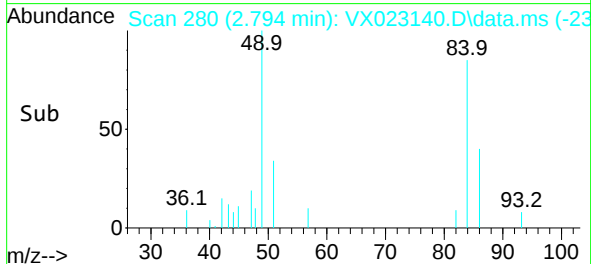
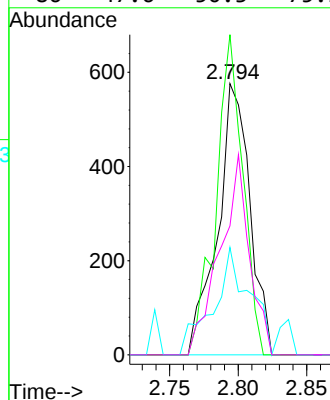
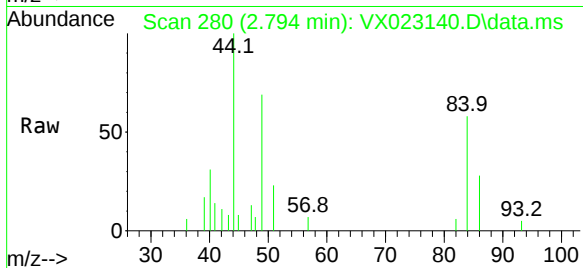
Delta R.T. 0.000 min

Lab File: VX023140.D

Acq: 06 Jul 2021 12:57

Tgt Ion: 84 Resp: 944

Ion	Ratio	Lower	Upper
84	100		
49	118.1	88.6	132.8
51	39.6	27.0	40.6
86	47.6	50.3	75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.508 ug/l

RT: 3.099 min Scan# 330

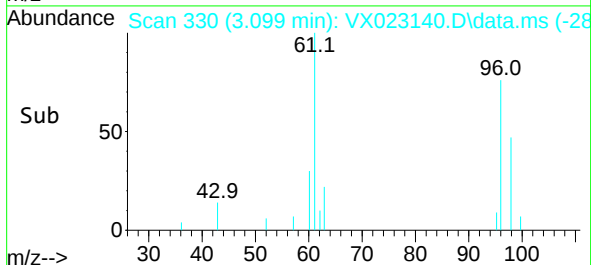
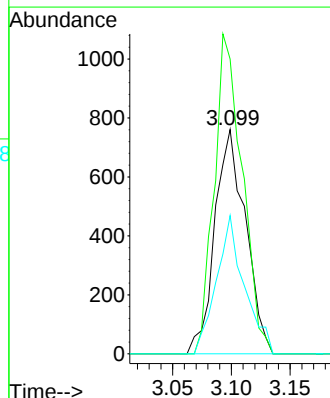
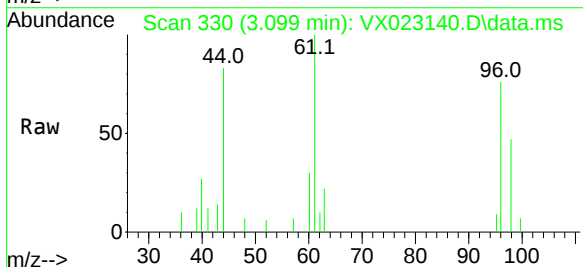
Delta R.T. 0.006 min

Lab File: VX023140.D

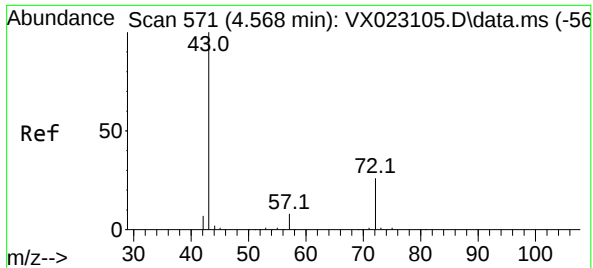
Acq: 06 Jul 2021 12:57

Tgt Ion: 96 Resp: 1385

Ion	Ratio	Lower	Upper
96	100		
61	131.4	107.7	161.5
98	61.6	50.4	75.6



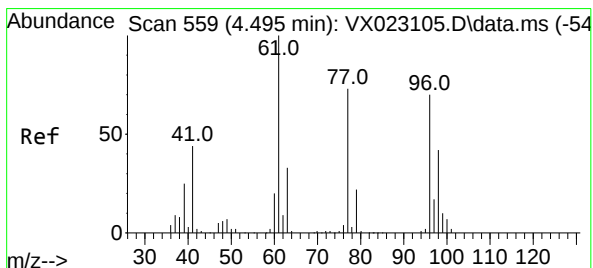
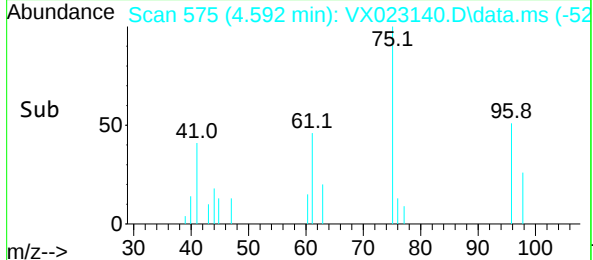
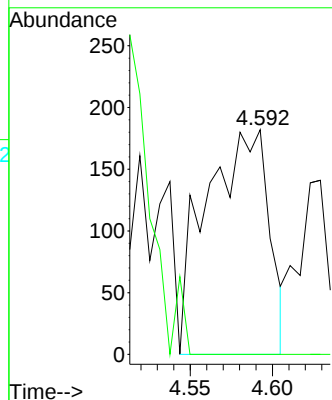
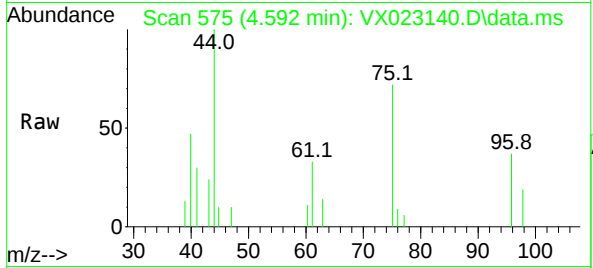
Instrument :
MSVOA_X
ClientSampleId :



#25
2-Butanone
Concen: 0.213 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

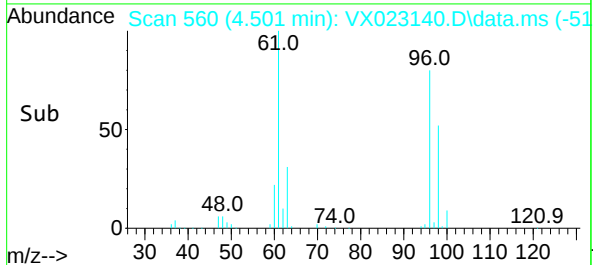
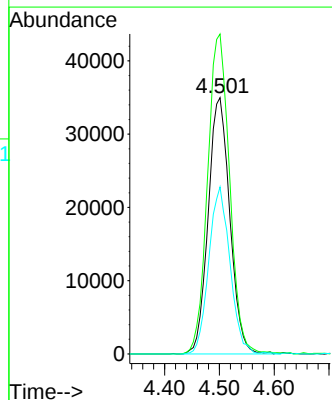
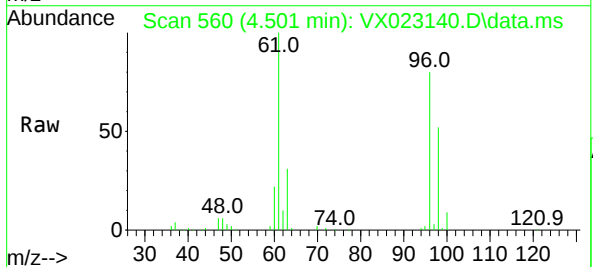
Instrument :
MSVOA_X
ClientSampleId :

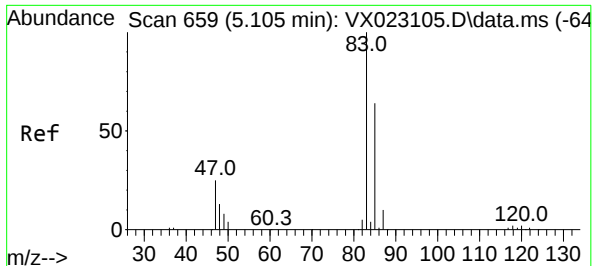
Tgt Ion: 43 Resp: 483
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 29.065 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 96 Resp: 95926
Ion Ratio Lower Upper
96 100
61 127.1 0.0 285.6
98 63.7 0.0 129.6





#30

Chloroform

Concen: 0.210 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023140.D

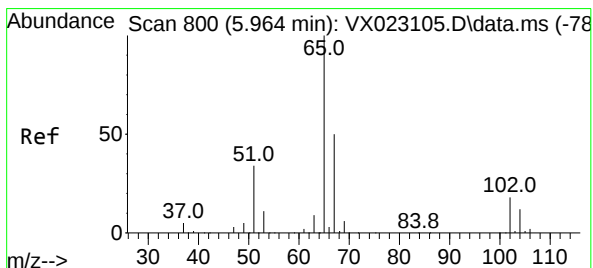
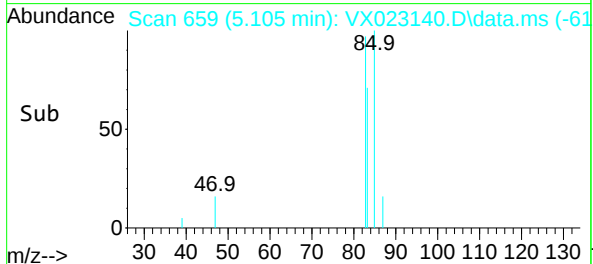
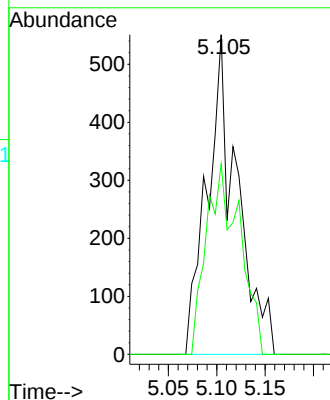
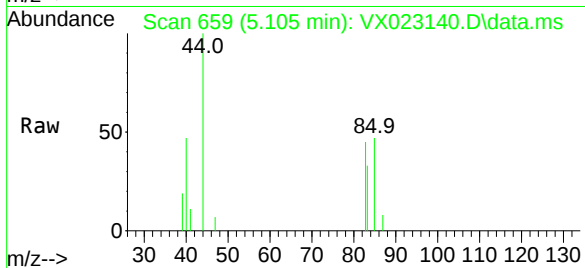
Acq: 06 Jul 2021 12:57

Tgt Ion: 83 Resp: 1182

Ion Ratio Lower Upper

83 100

85 59.5 52.0 78.0



#33

1,2-Dichloroethane-d4

Concen: 49.656 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023140.D

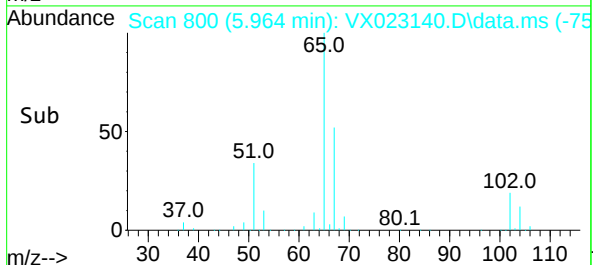
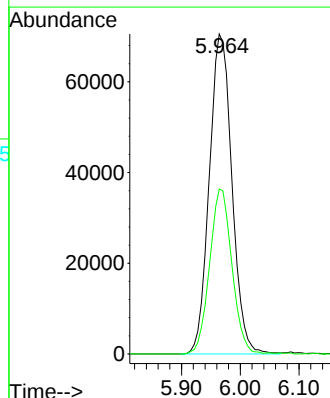
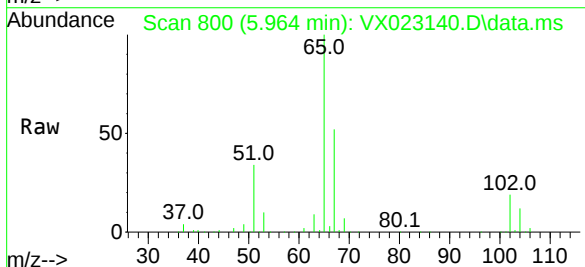
Acq: 06 Jul 2021 12:57

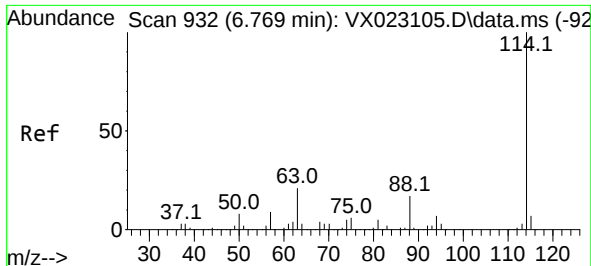
Tgt Ion: 65 Resp: 188890

Ion Ratio Lower Upper

65 100

67 50.7 0.0 105.4

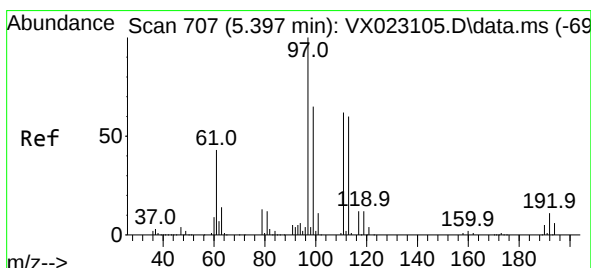
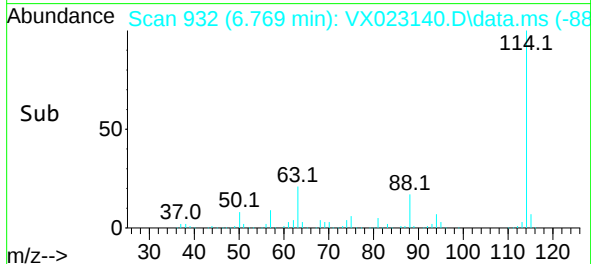
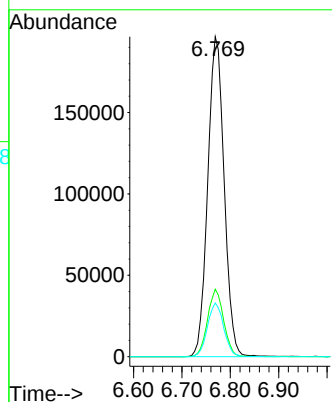
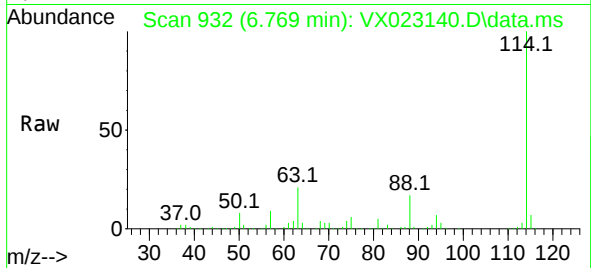




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

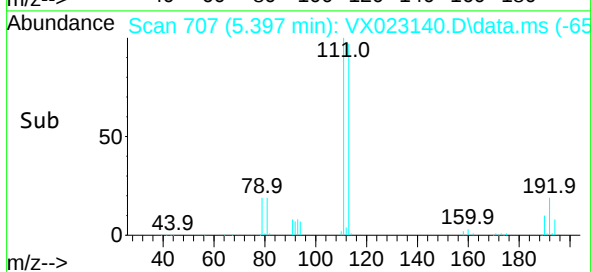
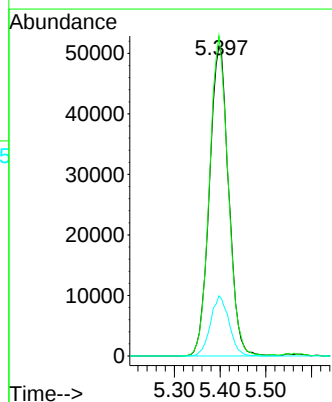
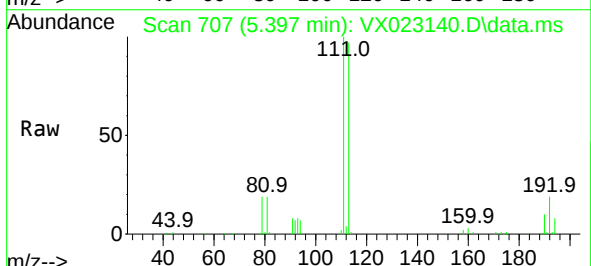
Instrument :
MSVOA_X
ClientSampled :

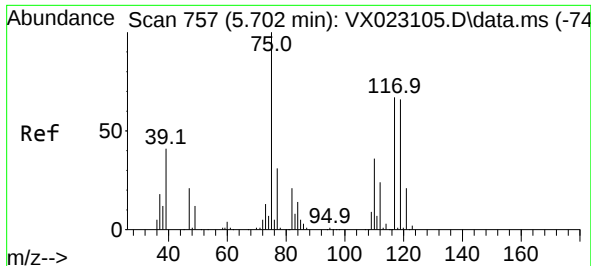
Tgt Ion:114 Resp: 463555
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.861 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion:113 Resp: 149256
Ion Ratio Lower Upper
113 100
111 100.4 81.9 122.9
192 18.7 16.7 25.1

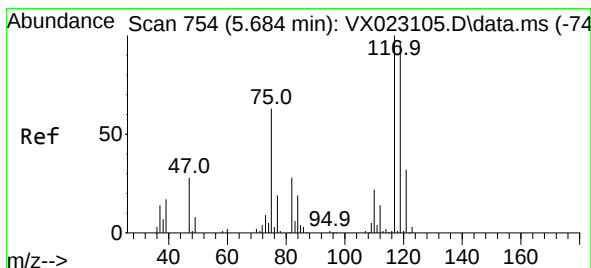
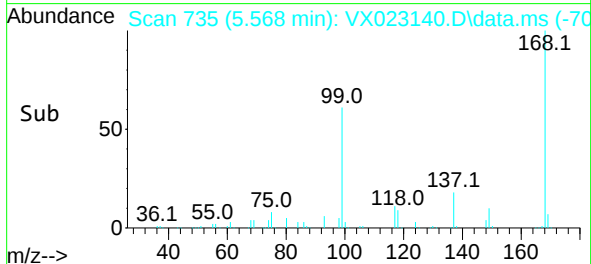
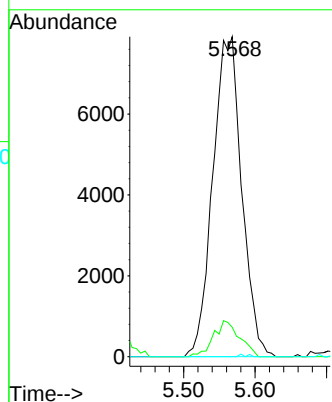
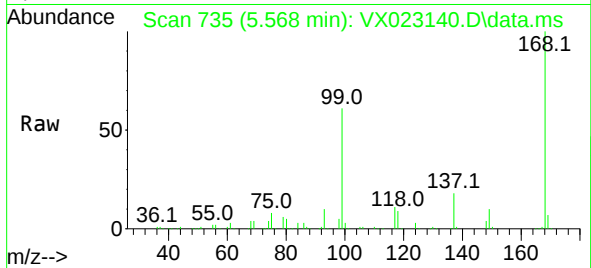




#36
1,1-Dichloropropene
Concen: 5.372 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

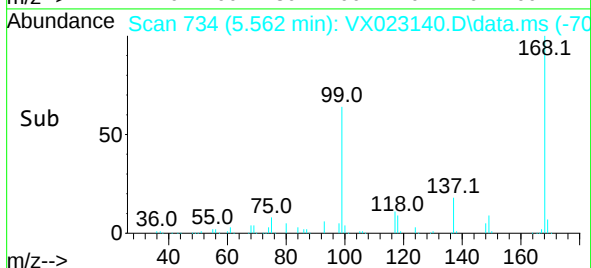
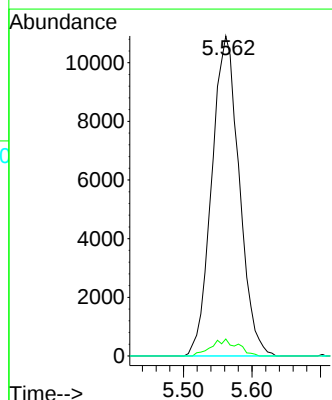
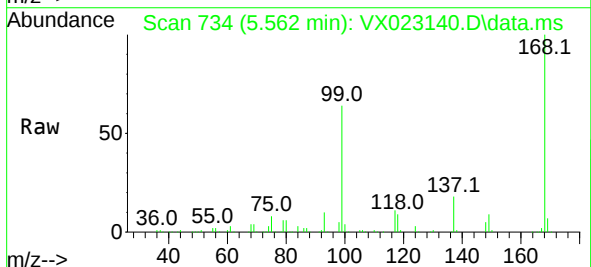
Instrument :
MSVOA_X
ClientSampled :

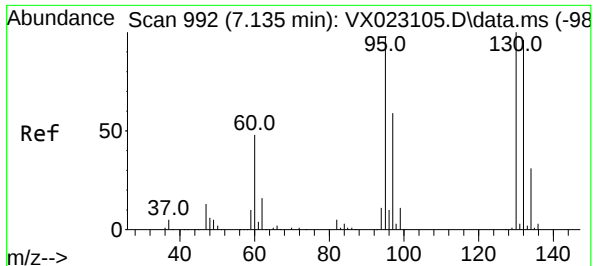
Tgt Ion: 75 Resp: 22198
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 7.034 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 117 Resp: 30341
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

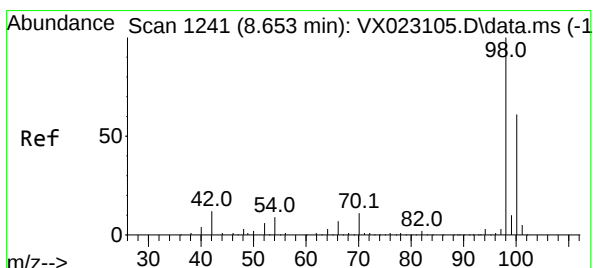
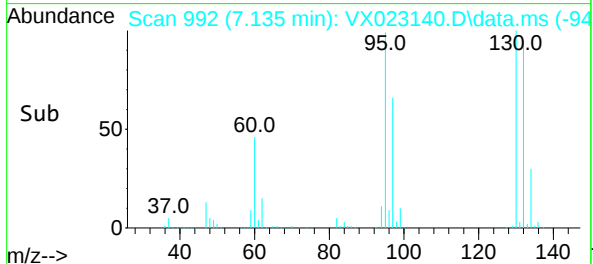
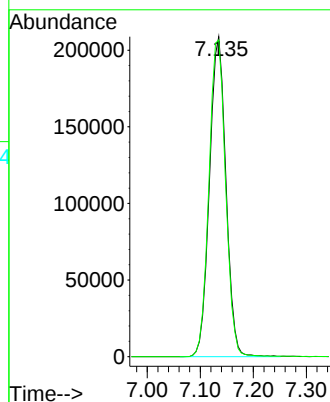
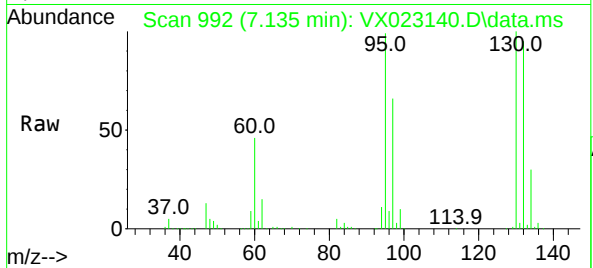




#44
Trichloroethene
Concen: 132.389 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

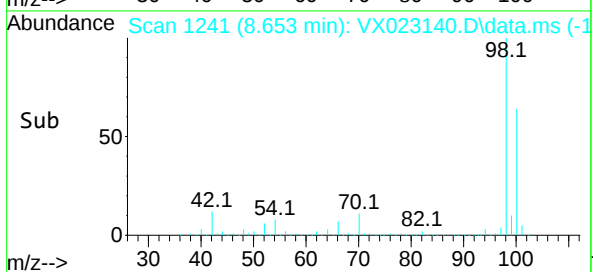
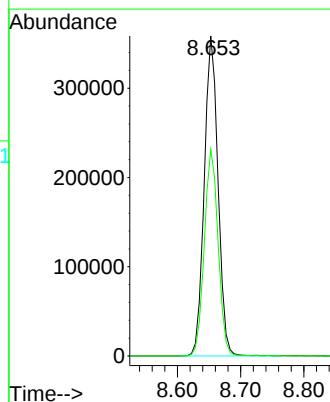
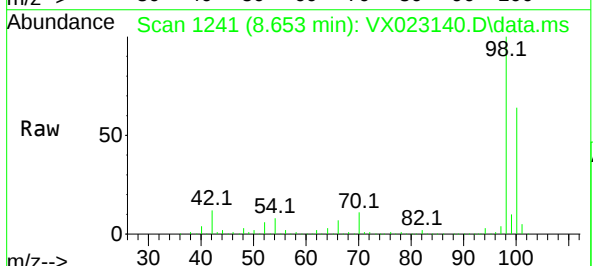
Instrument :
MSVOA_X
ClientSampled :

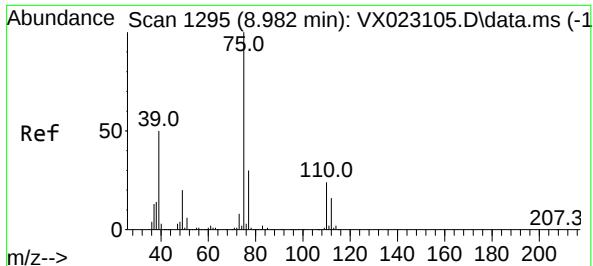
Tgt Ion:130 Resp: 450598
Ion Ratio Lower Upper
130 100
95 99.0 0.0 198.0



#50
Toluene-d8
Concen: 48.684 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 98 Resp: 543613
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

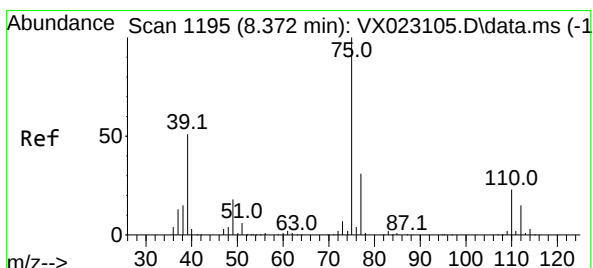
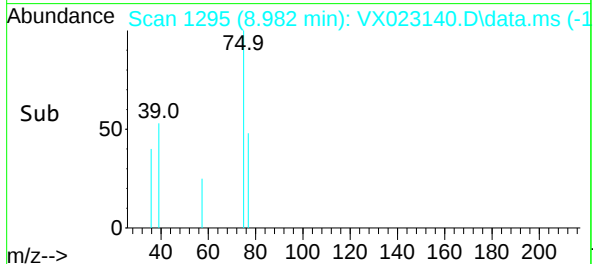
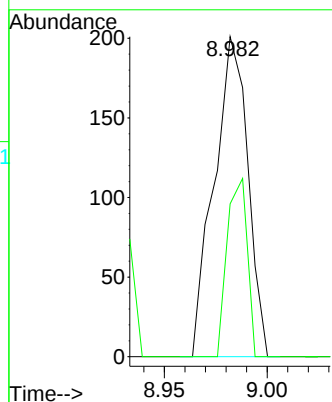
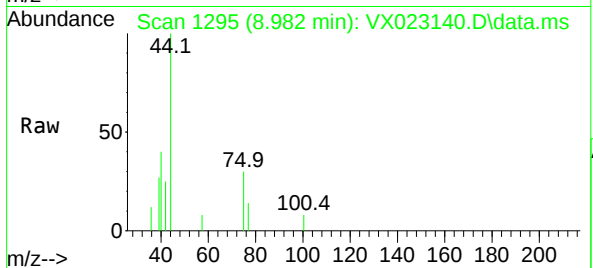




#53
t-1,3-Dichloropropene
Concen: 2.778 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

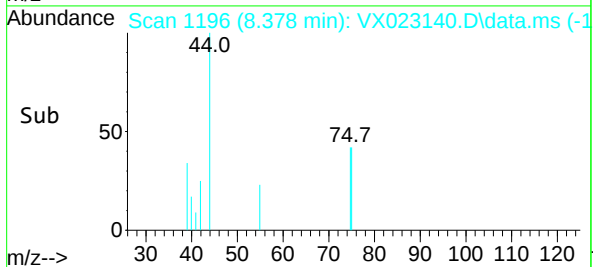
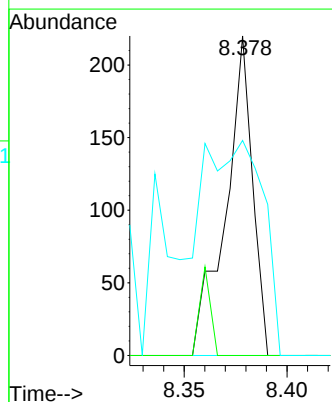
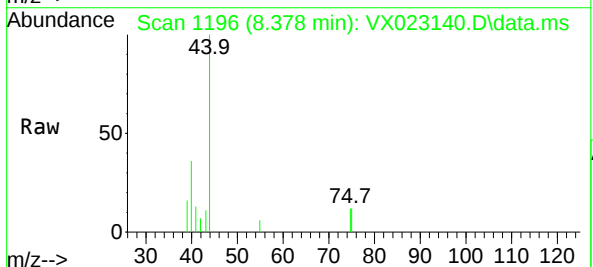
Instrument :
MSVOA_X
ClientSampled :

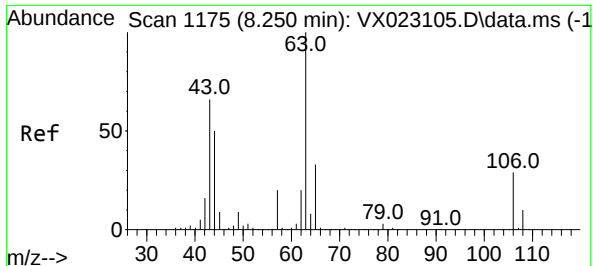
Tgt Ion: 75 Resp: 229
Ion Ratio Lower Upper
75 100
77 47.8 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 2.208 ug/l
RT: 8.378 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 75 Resp: 200
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 67.3 35.1 52.7#

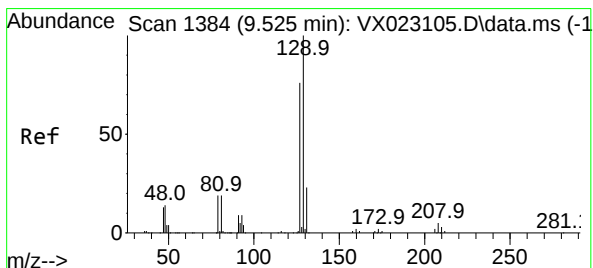
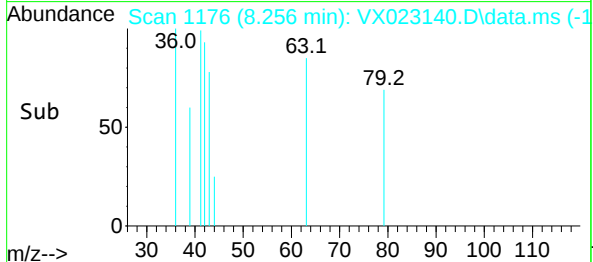
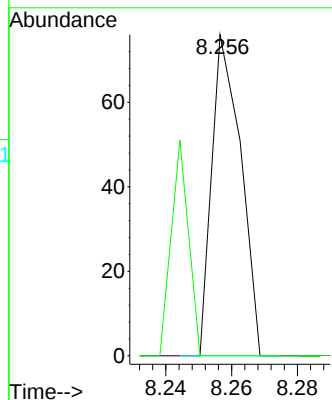
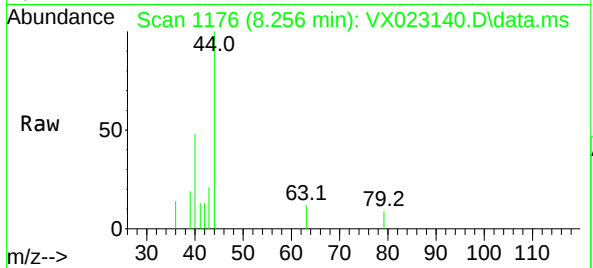




#58
2-Chloroethyl Vinyl ether
Concen: 4.706 ug/l
RT: 8.256 min Scan# 1176
Delta R.T. 0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

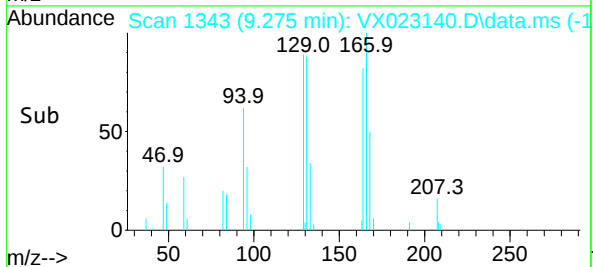
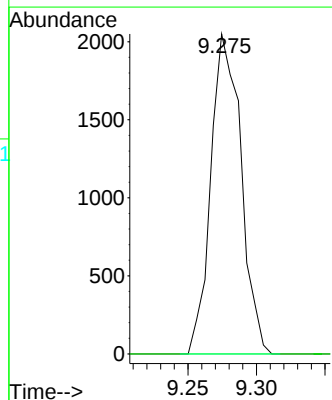
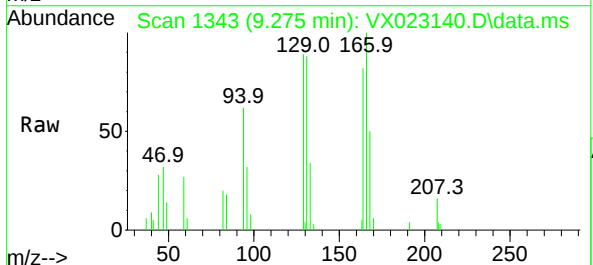
Instrument :
MSVOA_X
ClientSampled :

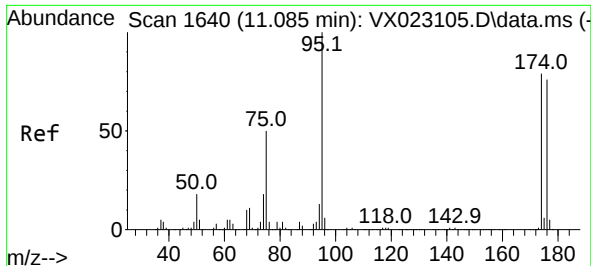
Tgt Ion: 63 Resp: 46
Ion Ratio Lower Upper
63 100
106 41.3 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.921 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Tgt Ion: 129 Resp: 3138
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

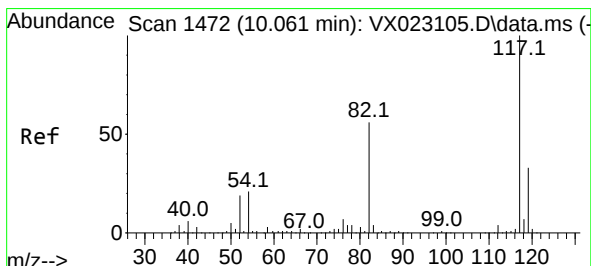
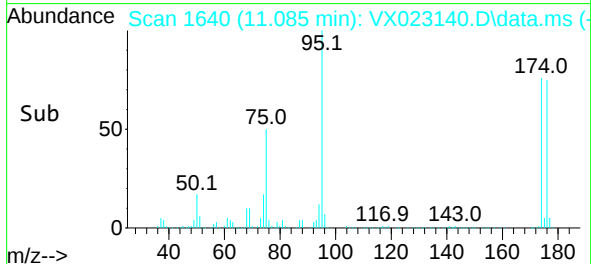
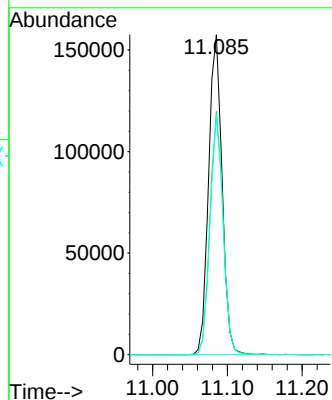
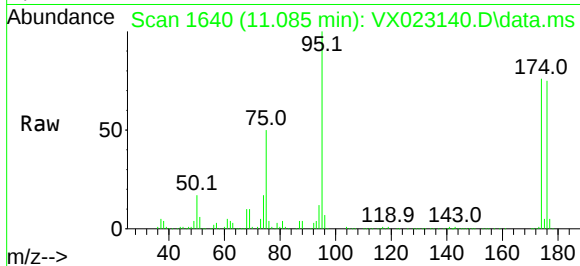




#62
4-Bromofluorobenzene
Concen: 45.716 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

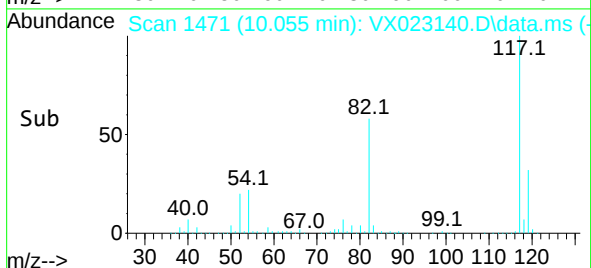
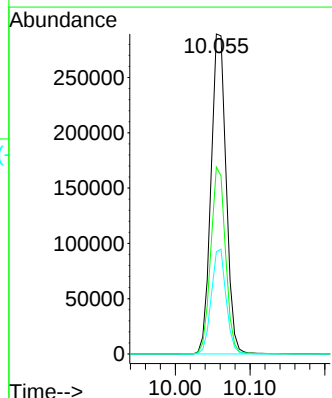
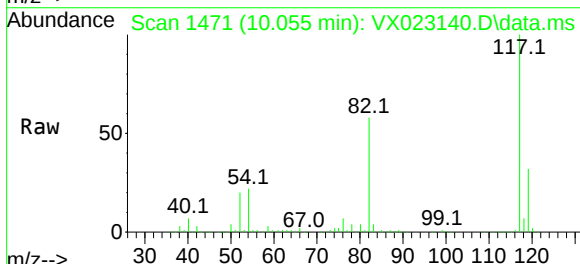
Instrument :
MSVOA_X
ClientSampleId :

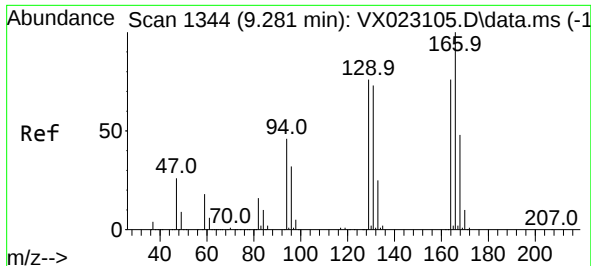
Tgt Ion: 95 Resp: 197072
Ion Ratio Lower Upper
95 100
174 74.9 0.0 154.6
176 72.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

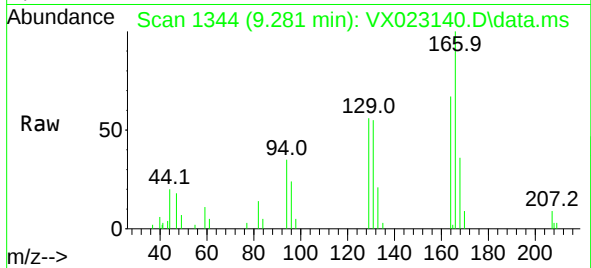
Tgt Ion: 117 Resp: 406743
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.9 26.6 39.8



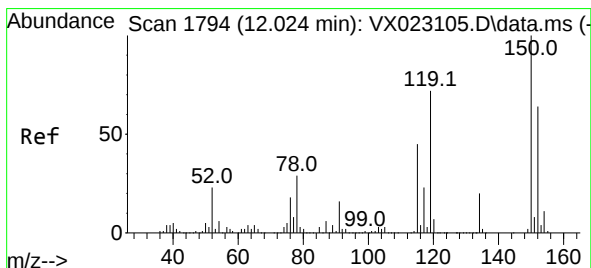
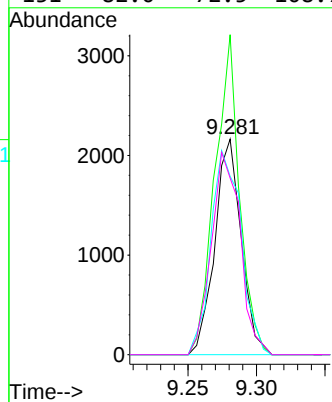
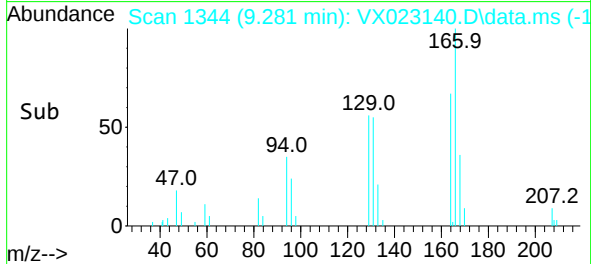


#64
Tetrachloroethene
Concen: 0.894 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

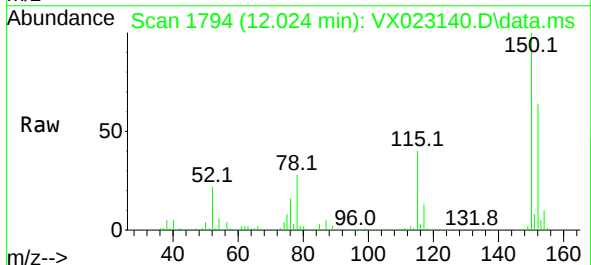
Instrument :
MSVOA_X
ClientSampleId :



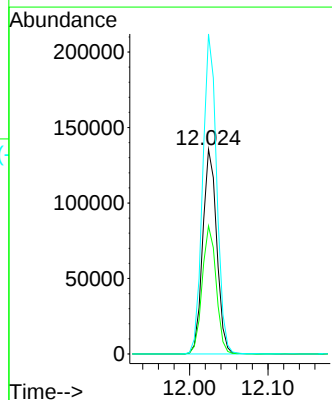
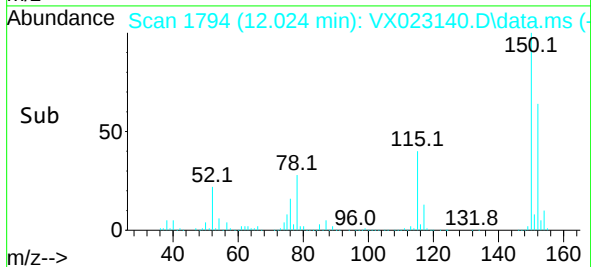
Tgt Ion:164 Resp: 2900
Ion Ratio Lower Upper
164 100
166 148.5 103.4 155.2
129 82.8 70.8 106.2
131 82.0 72.5 108.7

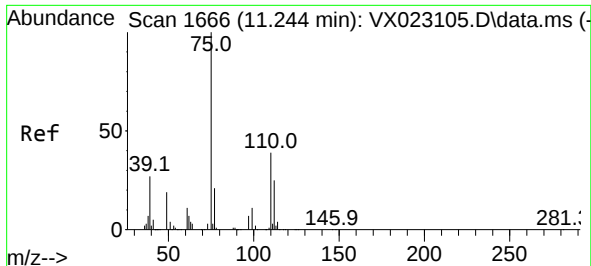


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57



Tgt Ion:152 Resp: 168033
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 156.1 0.0 349.0

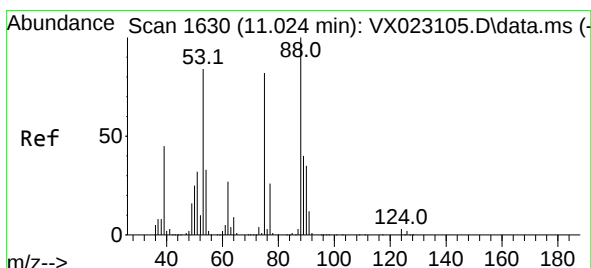
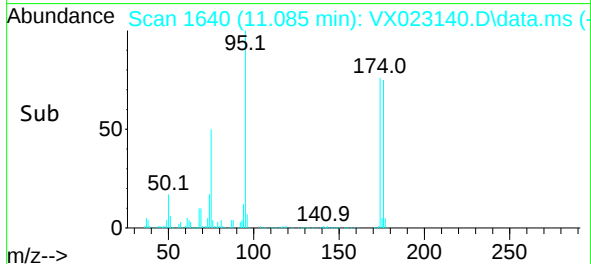
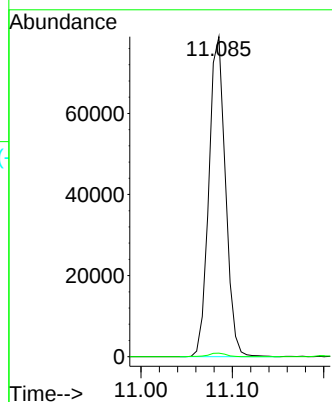
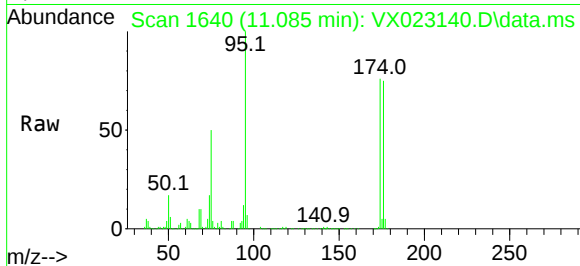




#76
1,2,3-Trichloropropane
Concen: 29.442 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

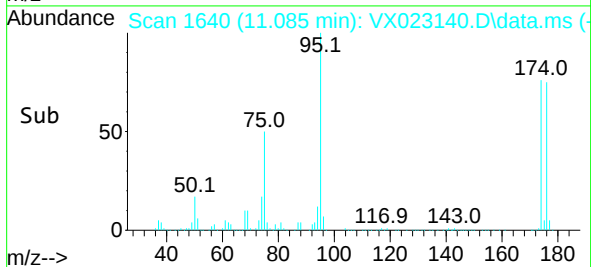
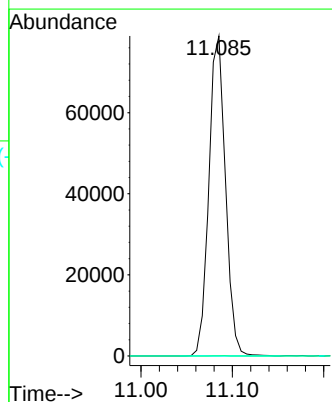
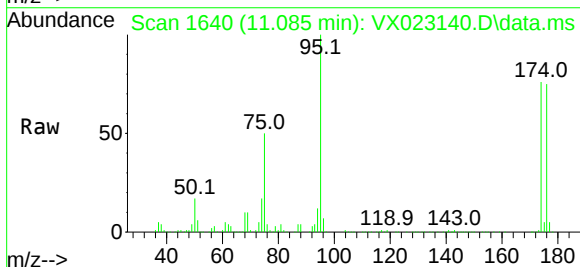
Instrument :
MSVOA_X
ClientSampled :

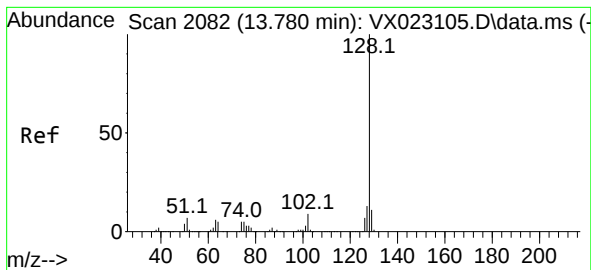
Tgt Ion: 75 Resp: 99555
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.141 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

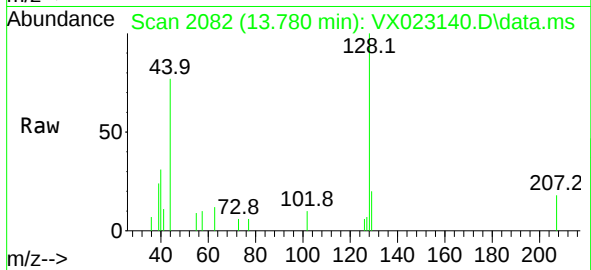
Tgt Ion: 75 Resp: 99555
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.372 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023140.D
Acq: 06 Jul 2021 12:57

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1247
Ion Ratio Lower Upper
128 100
127 6.4 10.3 15.5#
129 13.8 8.8 13.2#

