

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022890.D
 Acq On : 25 Jun 2021 00:48
 Operator : JC/MD
 Sample : M2803-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 05:42:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

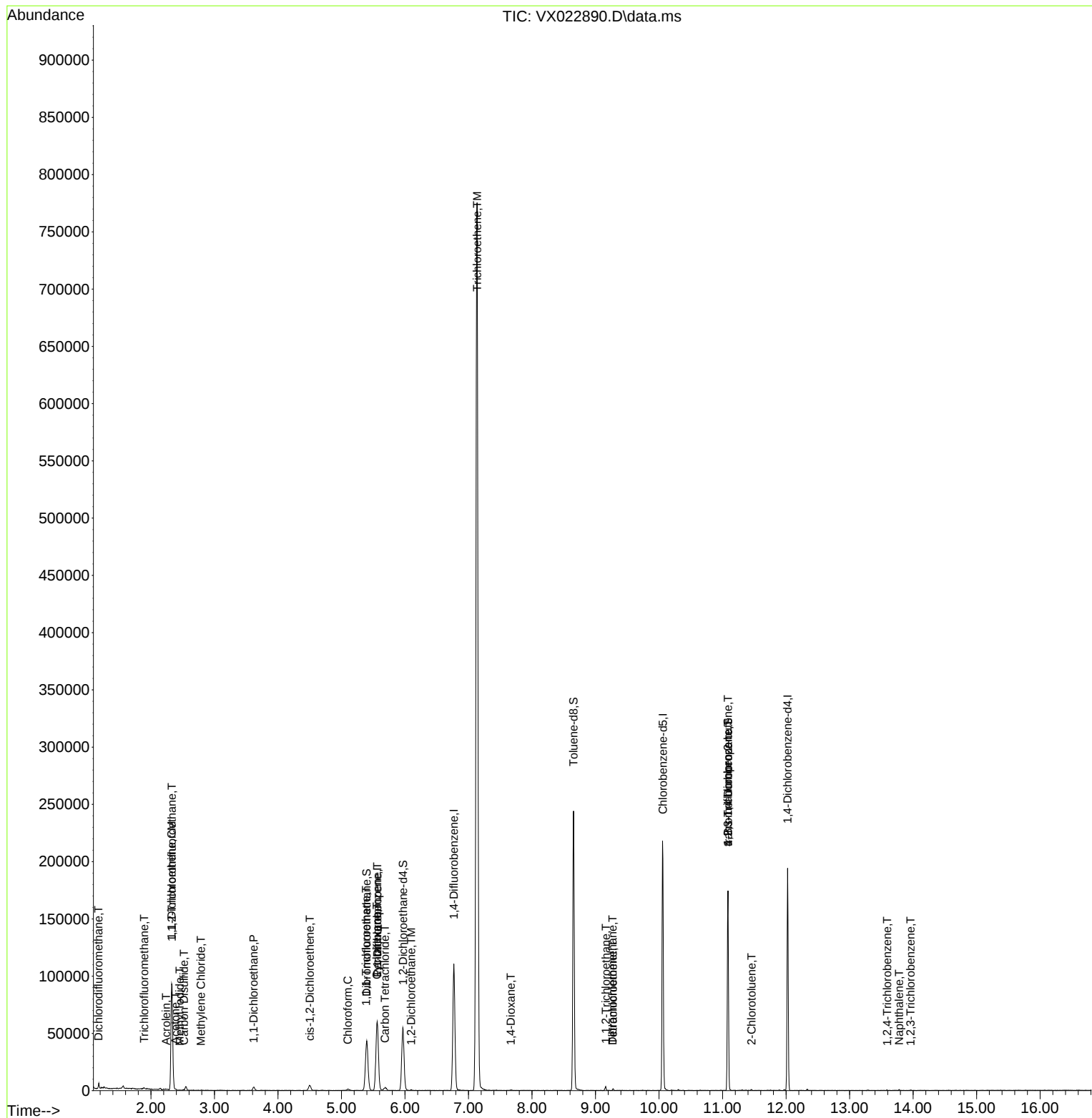
Internal Standards						
1) Pentafluorobenzene	5.562	168	49990	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	103052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	91556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	34353	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	49810	54.90	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.80%	
35) Dibromofluoromethane	5.397	113	35647	54.47	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.94%	
50) Toluene-d8	8.653	98	137762	53.71	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.42%	
62) 4-Bromofluorobenzene	11.085	95	46407	48.48	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.96%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	462	0.66	ug/l	84
7) Trichlorofluoromethane	1.892	101	674	0.65	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	21869	33.64	ug/l	90
10) Methyl Iodide	2.453	142	295	4.23	ug/l #	60
12) 1,1-Dichloroethene	2.325	96	14975	23.09	ug/l	91
13) Acrolein	2.239	56	60	0.51	ug/l #	38
16) Acetone	2.386	43	919	2.28	ug/l #	65
17) Carbon Disulfide	2.520	76	536	3.80	ug/l #	75
20) Methylene Chloride	2.788	84	98	0.49	ug/l #	43
24) 1,1-Dichloroethane	3.617	63	3151	2.30	ug/l #	86
27) cis-1,2-Dichloroethene	4.501	96	2674	3.35	ug/l	99
30) Chloroform	5.099	83	1333	0.97	ug/l	91
31) Cyclohexane	5.556	56	1562	1.22	ug/l #	23
32) 1,1,1-Trichloroethane	5.385	97	2420	2.19	ug/l #	89
36) 1,1-Dichloropropene	5.562	75	5273	4.82	ug/l #	47
38) Carbon Tetrachloride	5.684	117	2031	2.21	ug/l	93
42) 1,2-Dichloroethane	6.098	62	675	0.58	ug/l #	73
44) Trichloroethene	7.135	130	265999	355.37	ug/l	94
49) 1,4-Dioxane	7.665	88	454	22.35	ug/l #	27
55) 1,1,2-Trichloroethane	9.165	97	851	1.11	ug/l #	82
60) Dibromochloromethane	9.269	129	240	3.95	ug/l #	11
64) Tetrachloroethene	9.275	164	176	0.27	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	25413	28.01	ug/l #	39
79) 2-Chlorotoluene	11.457	91	487	0.23	ug/l	75
81) trans-1,4-Dichloro-2-b...	11.085	75	25413	72.31	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	192	0.30	ug/l #	71
95) Naphthalene	13.780	128	576	2.12	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.963	180	179	0.28	ug/l #	81

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

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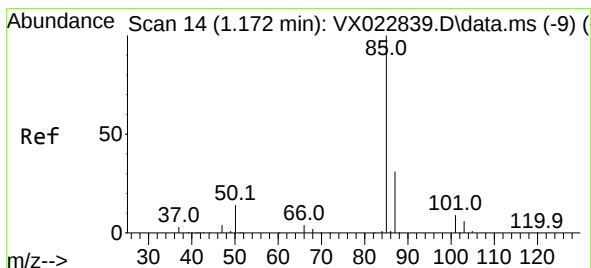
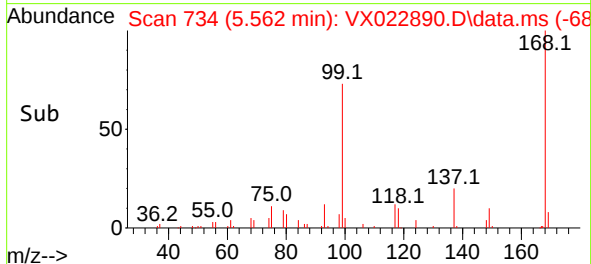
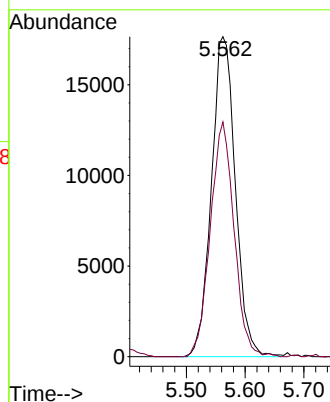
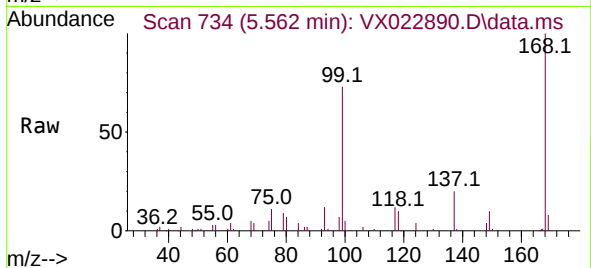




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

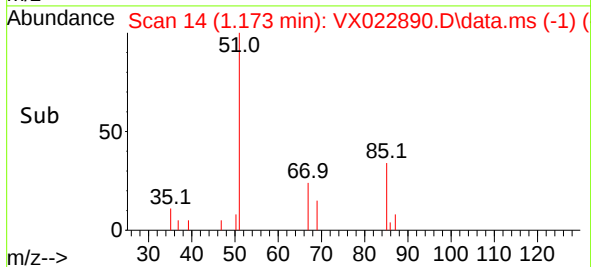
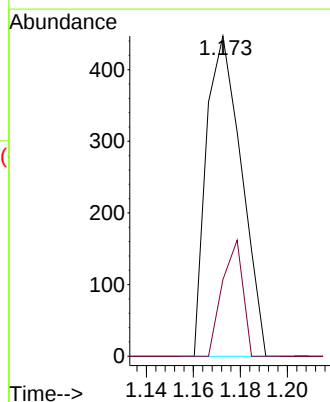
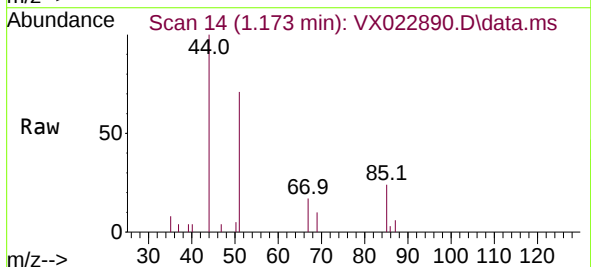
Instrument :
MSVOA_X
ClientSampled :

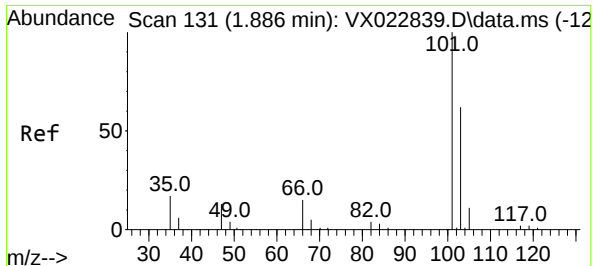
Tgt Ion:168 Resp: 49990
Ion Ratio Lower Upper
168 100
99 73.4 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 0.66 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.001 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 85 Resp: 462
Ion Ratio Lower Upper
85 100
87 23.9 16.4 49.2

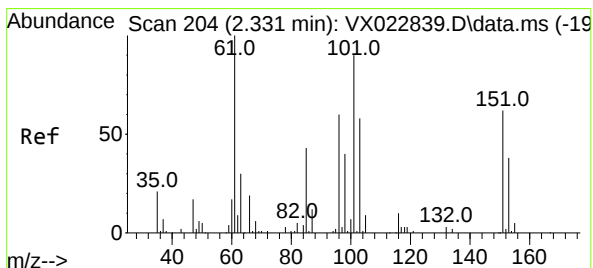
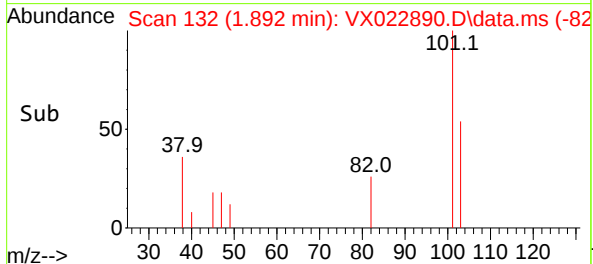
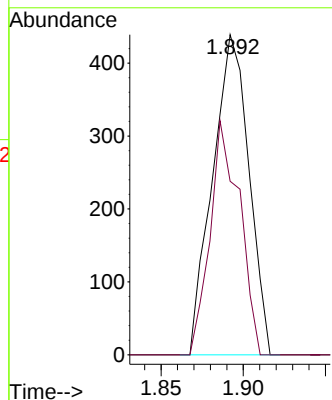
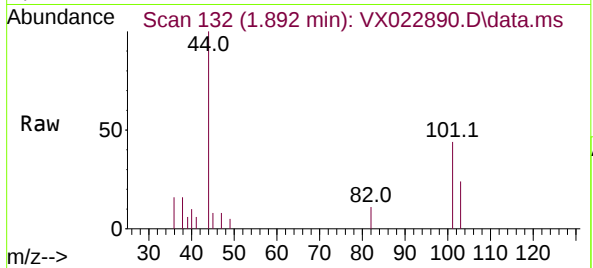




#7
Trichlorofluoromethane
Concen: 0.65 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

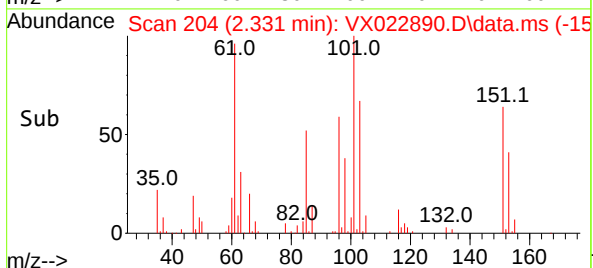
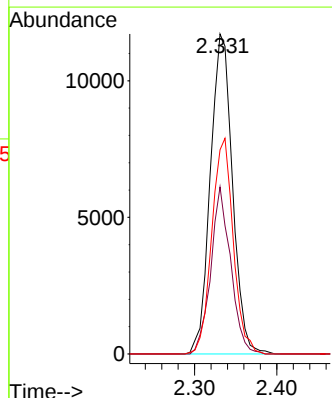
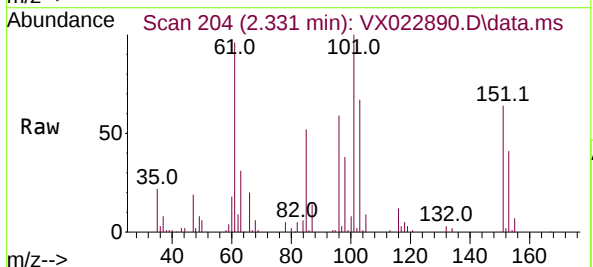
Instrument :
MSVOA_X
ClientSampled :

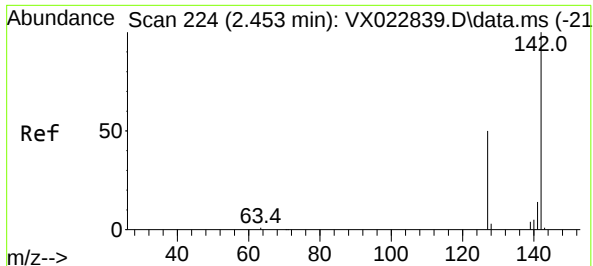
Tgt Ion:101 Resp: 674
Ion Ratio Lower Upper
101 100
103 54.2 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 33.64 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

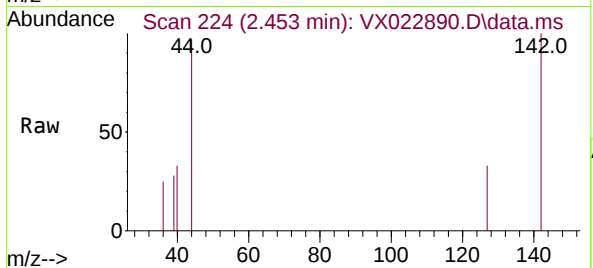
Tgt Ion:101 Resp: 21869
Ion Ratio Lower Upper
101 100
85 46.9 34.9 52.3
151 65.5 61.4 92.2



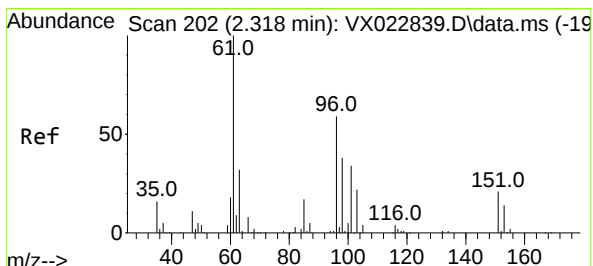
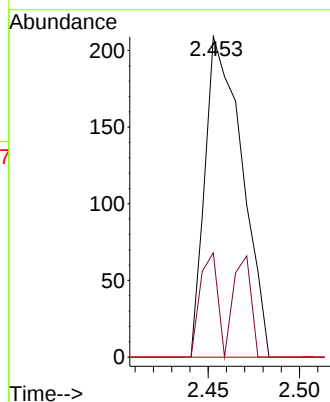
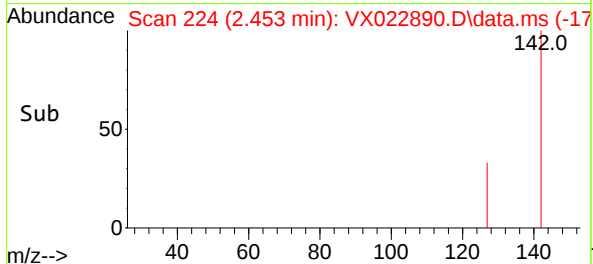


#10
Methyl Iodide
Concen: 4.23 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

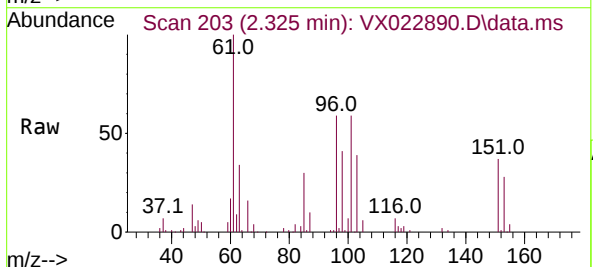
Instrument :
MSVOA_X
ClientSampled :



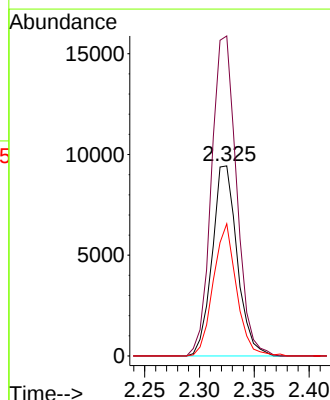
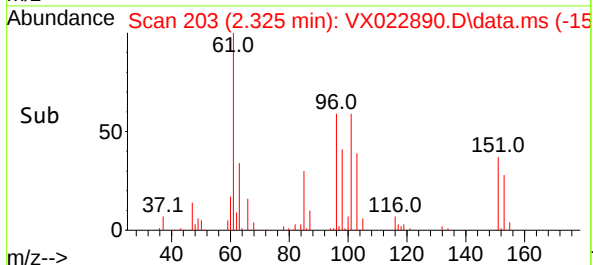
Tgt Ion:142 Resp: 295
Ion Ratio Lower Upper
142 100
127 15.3 33.3 49.9#
141 0.0 11.4 17.0#

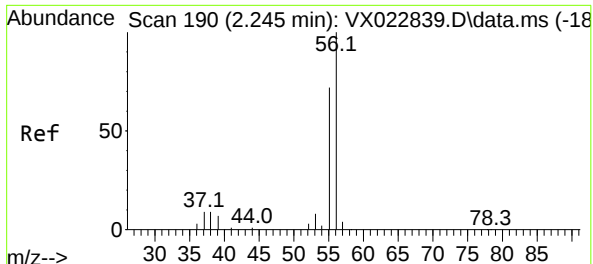


#12
1,1-Dichloroethene
Concen: 23.09 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48



Tgt Ion: 96 Resp: 14975
Ion Ratio Lower Upper
96 100
61 168.3 124.6 187.0
98 69.5 50.6 76.0





#13

Acrolein

Concen: 0.51 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX022890.D

Acq: 25 Jun 2021 00:48

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

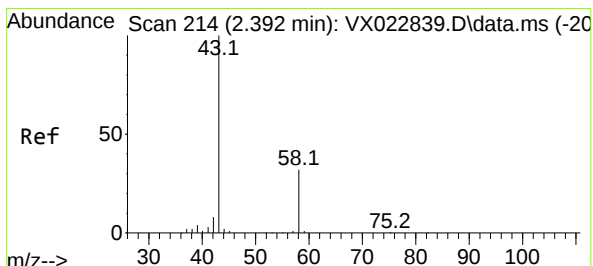
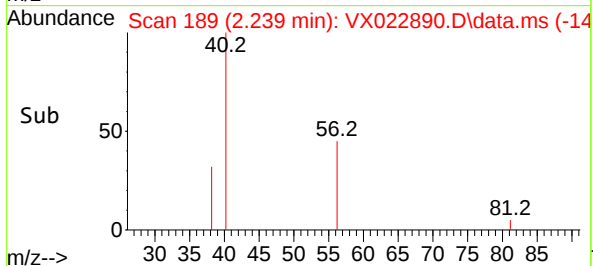
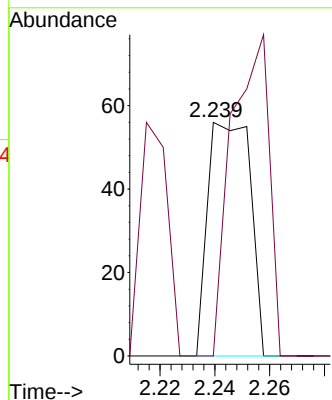
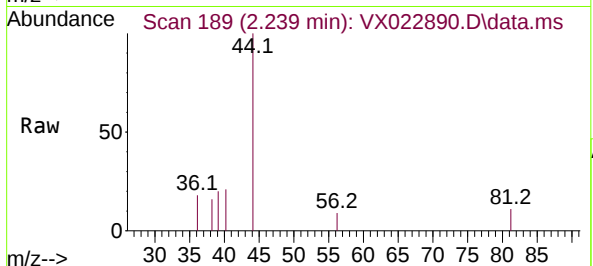
56 100

55 121.7 56.4 84.6#

Instrument :

MSVOA_X

ClientSampled :



#16

Acetone

Concen: 2.28 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX022890.D

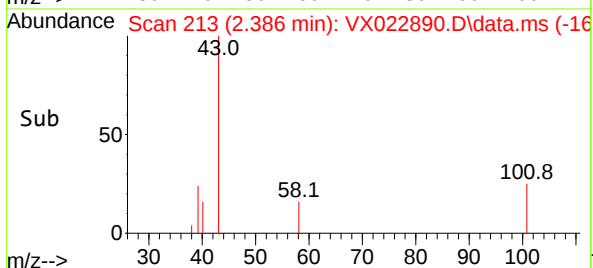
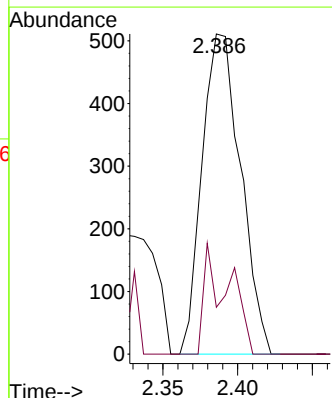
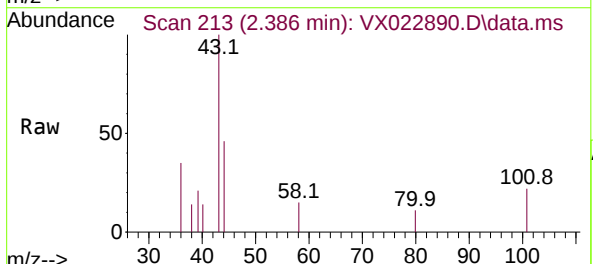
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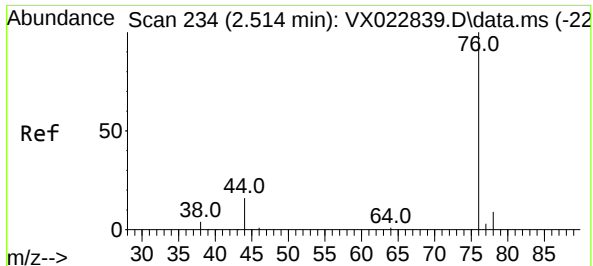
Tgt Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

58 14.7 27.8 41.8#

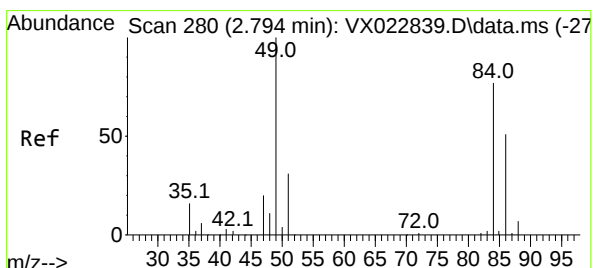
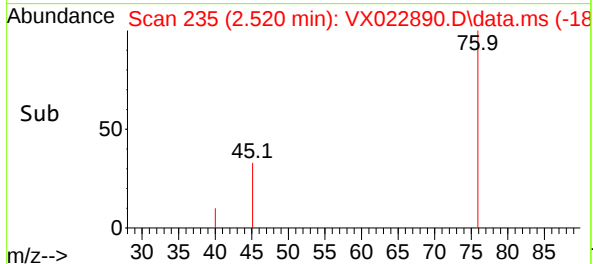
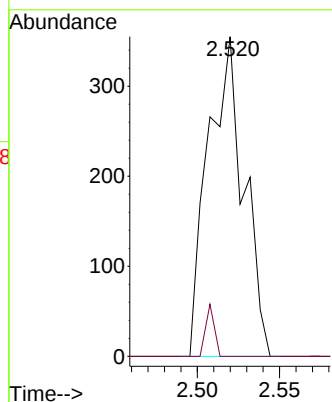
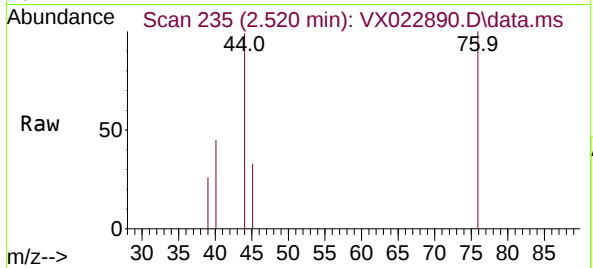




#17
Carbon Disulfide
Concen: 3.80 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

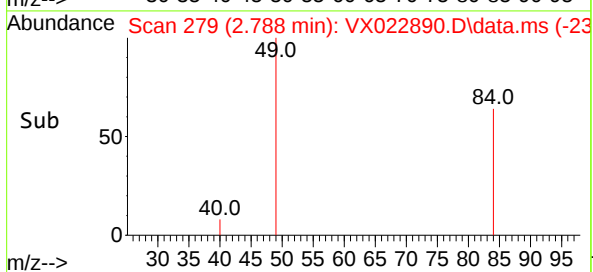
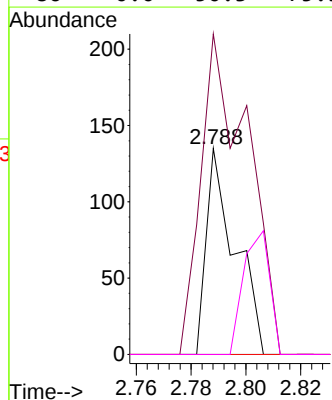
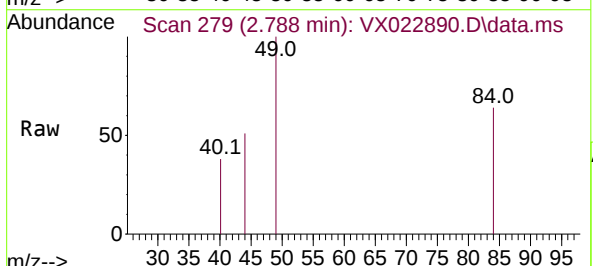
Instrument :
MSVOA_X
ClientSampled :

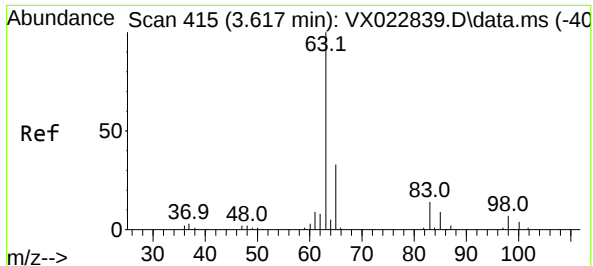
Tgt Ion: 76 Resp: 536
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.49 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 84 Resp: 98
Ion Ratio Lower Upper
84 100
49 155.6 88.6 132.8#
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#

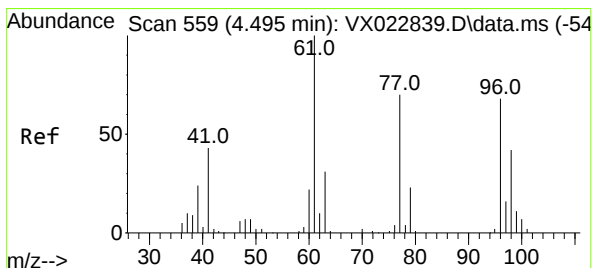
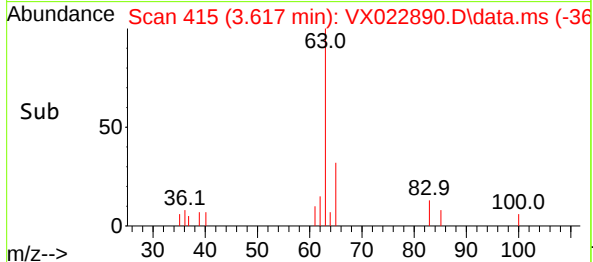
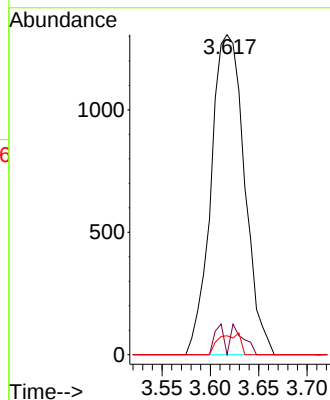
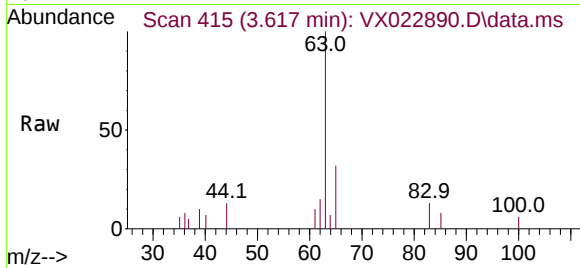




#24
1,1-Dichloroethane
Concen: 2.30 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

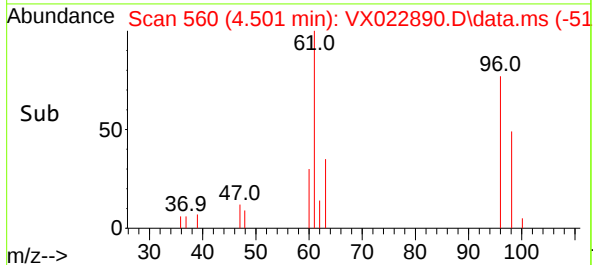
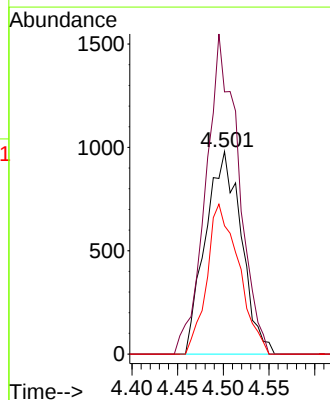
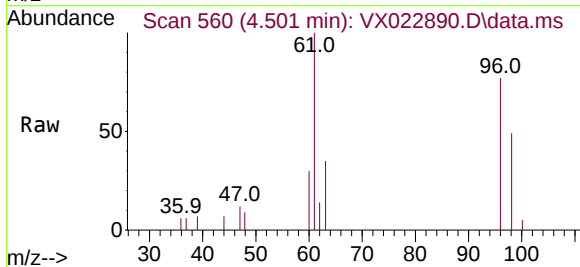
Instrument :
MSVOA_X
ClientSampleId :

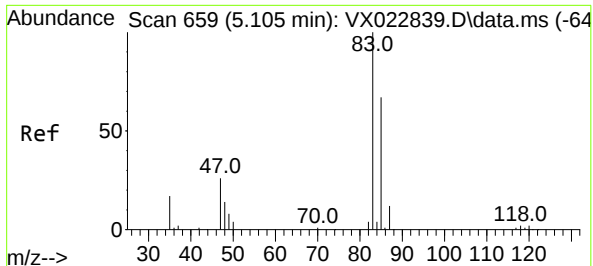
Tgt Ion: 63 Resp: 3151
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 5.9 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 3.35 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 96 Resp: 2674
Ion Ratio Lower Upper
96 100
61 144.1 0.0 285.6
98 66.1 0.0 129.6





#30

Chloroform

Concen: 0.97 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX022890.D

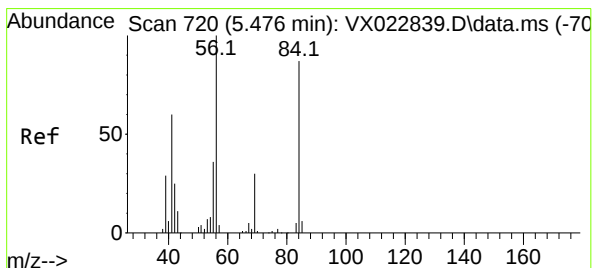
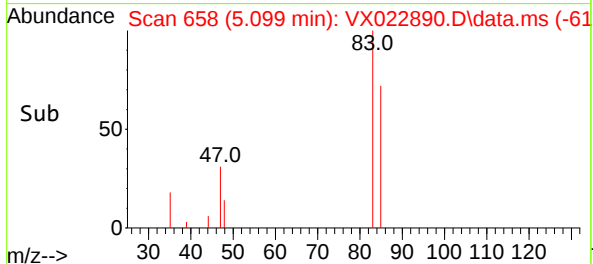
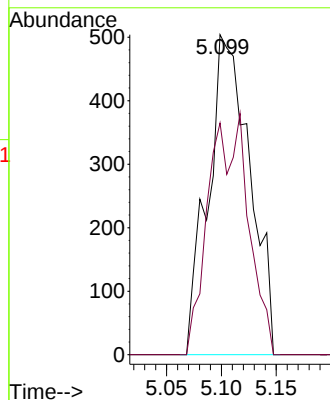
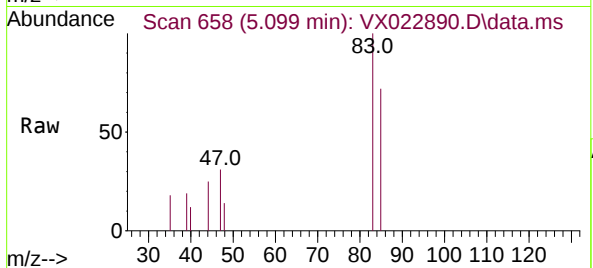
Acq: 25 Jun 2021 00:48

Tgt Ion: 83 Resp: 1333

Ion Ratio Lower Upper

83 100

85 72.4 52.0 78.0



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX022890.D

Acq: 25 Jun 2021 00:48

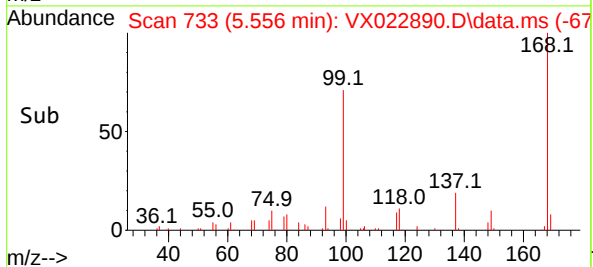
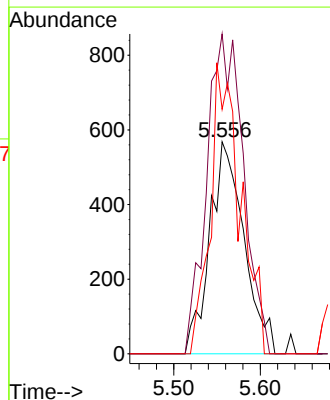
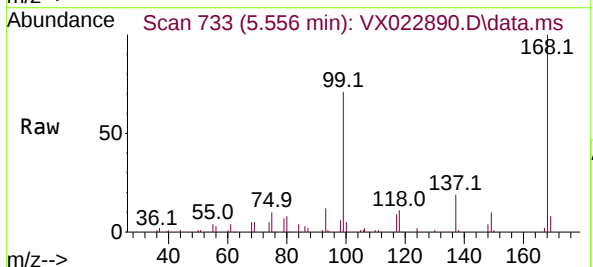
Tgt Ion: 56 Resp: 1562

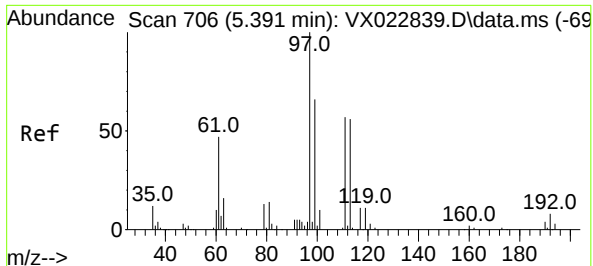
Ion Ratio Lower Upper

56 100

69 150.9 25.3 37.9#

84 115.3 71.4 107.0#

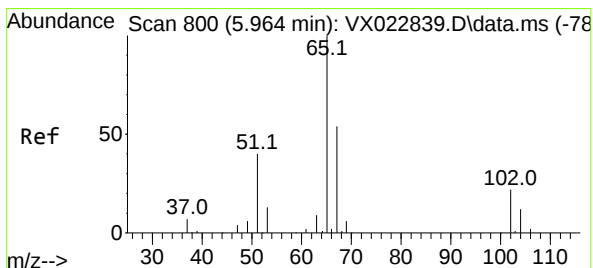
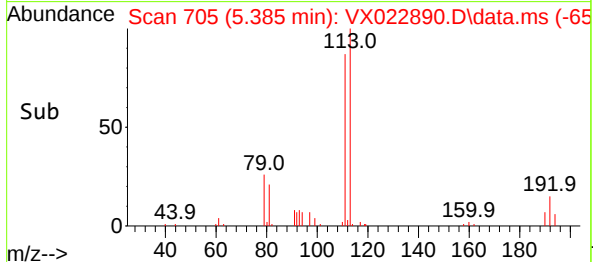
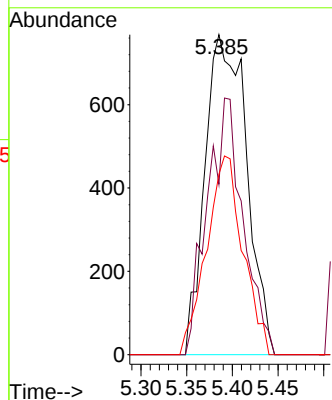
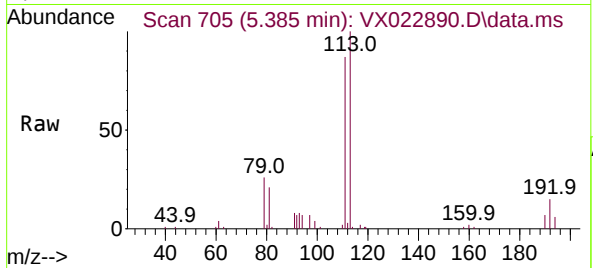




#32
1,1,1-Trichloroethane
Concen: 2.19 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

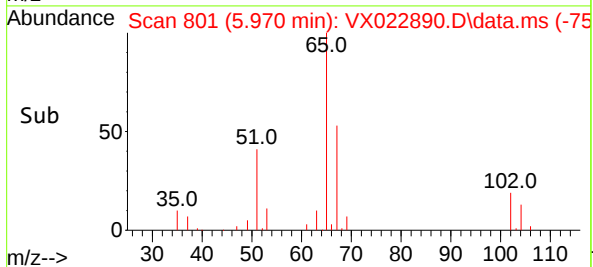
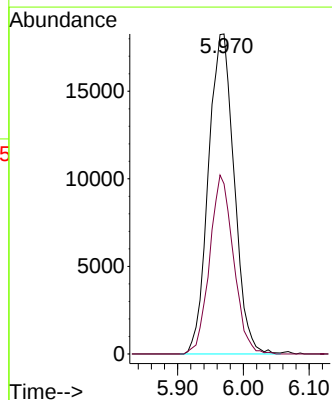
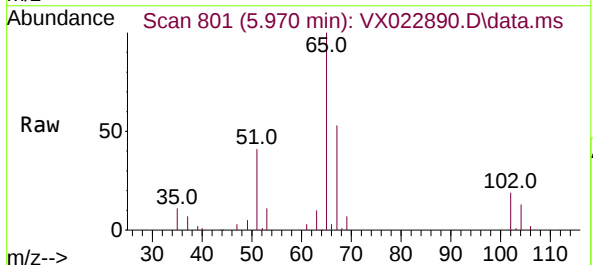
Instrument :
MSVOA_X
ClientSampleId :

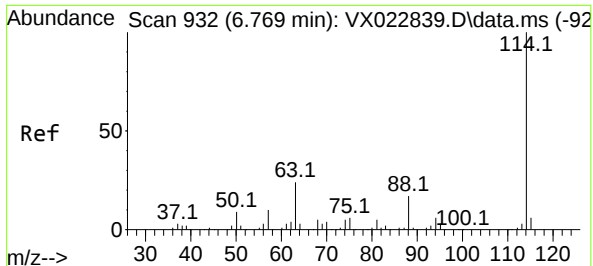
Tgt Ion: 97 Resp: 2420
Ion Ratio Lower Upper
97 100
99 69.3 51.5 77.3
61 54.5 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 54.90 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 65 Resp: 49810
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

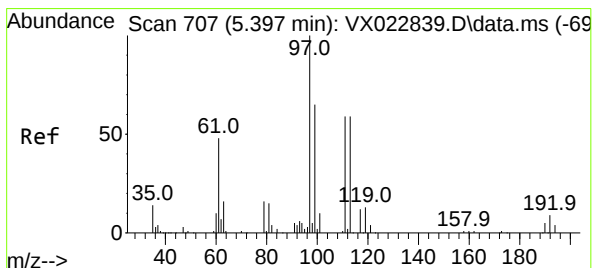
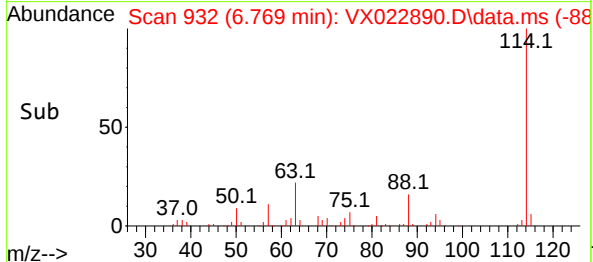
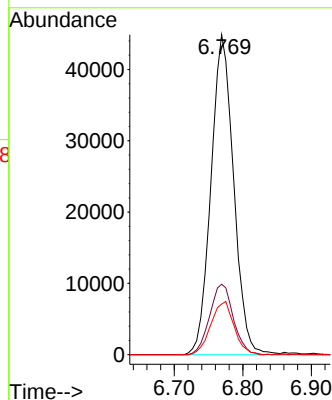
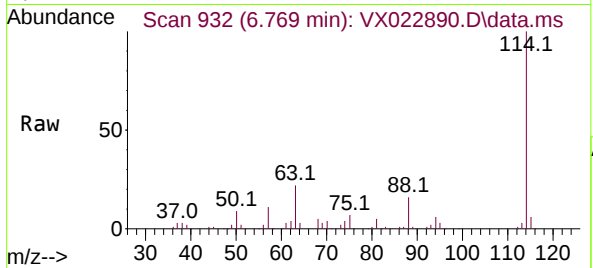




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

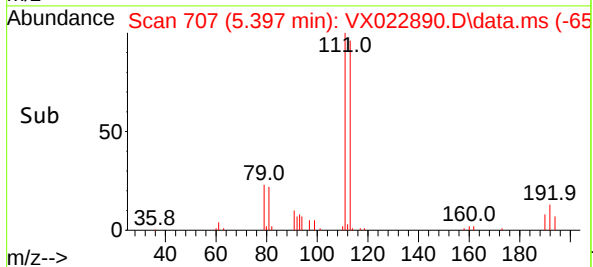
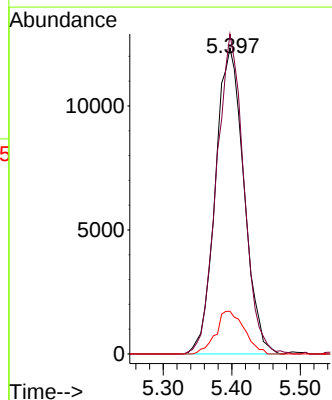
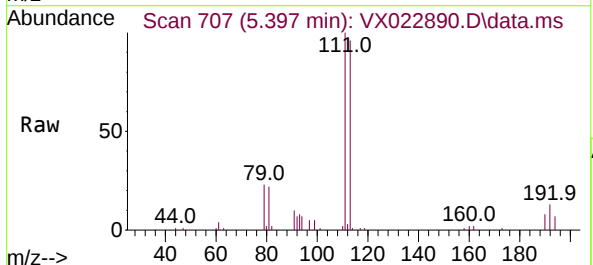
Instrument :
MSVOA_X
ClientSampled :

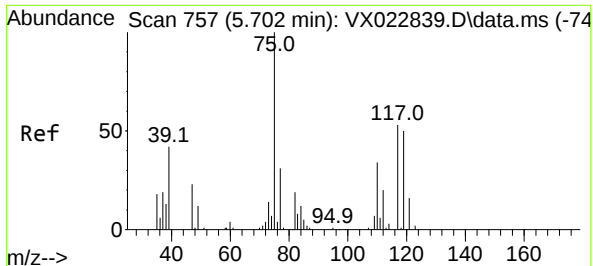
Tgt Ion:114 Resp: 103052
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 54.47 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion:113 Resp: 35647
Ion Ratio Lower Upper
113 100
111 100.0 81.9 122.9
192 13.9 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.82 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022890.D

Acq: 25 Jun 2021 00:48

Tgt Ion: 75 Resp: 5273

Ion Ratio Lower Upper

75 100

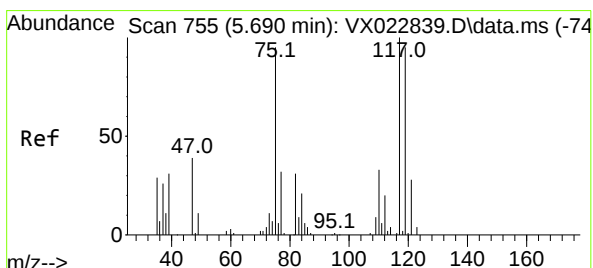
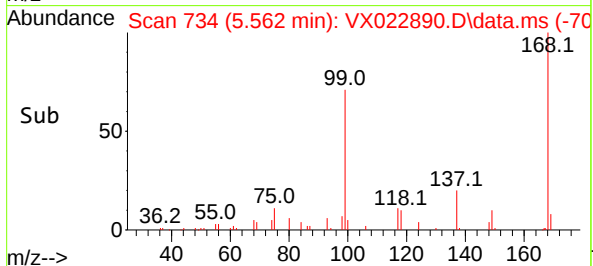
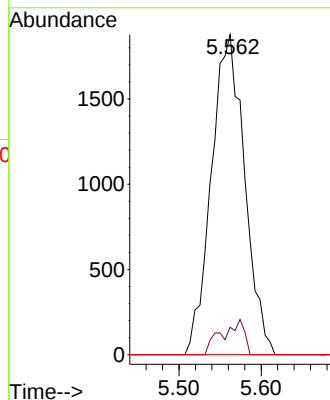
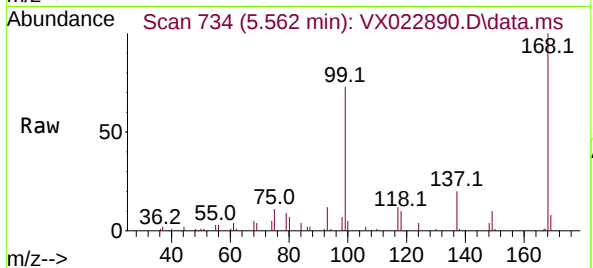
110 7.5 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 2.21 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX022890.D

Acq: 25 Jun 2021 00:48

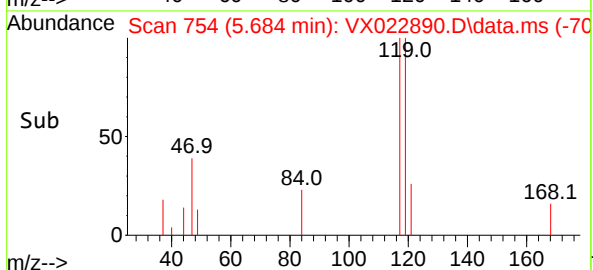
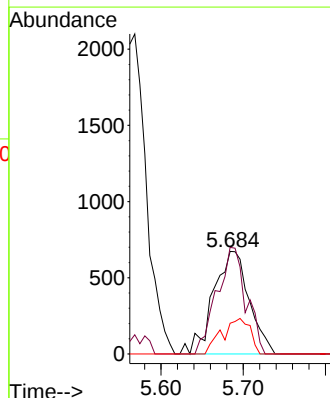
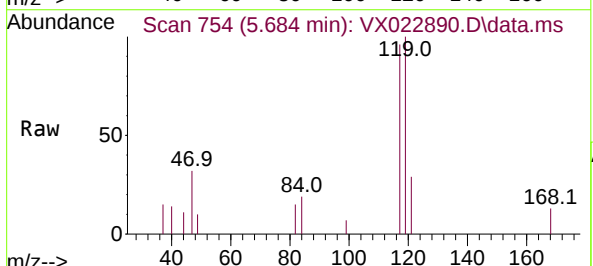
Tgt Ion: 117 Resp: 2031

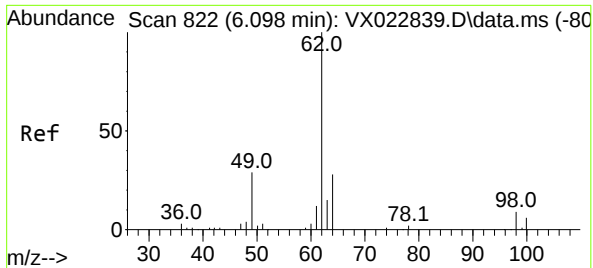
Ion Ratio Lower Upper

117 100

119 103.9 76.2 114.2

121 30.0 24.8 37.2

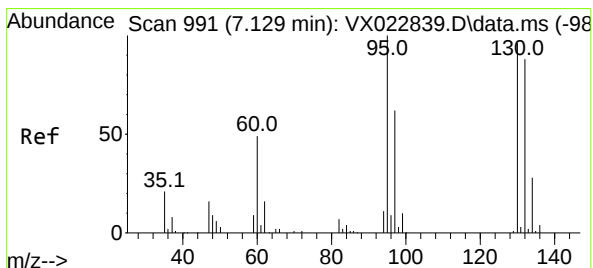
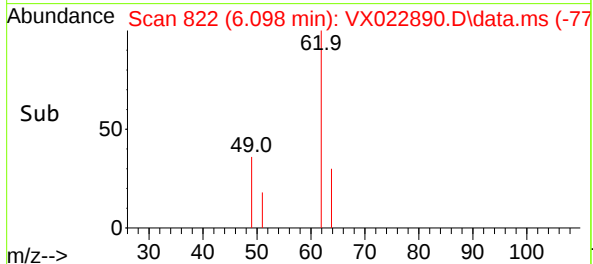
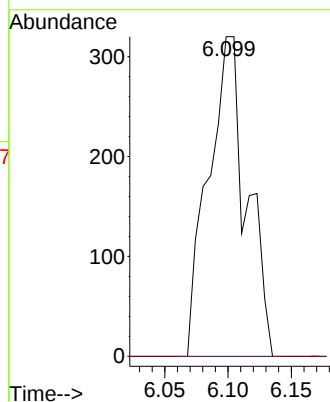
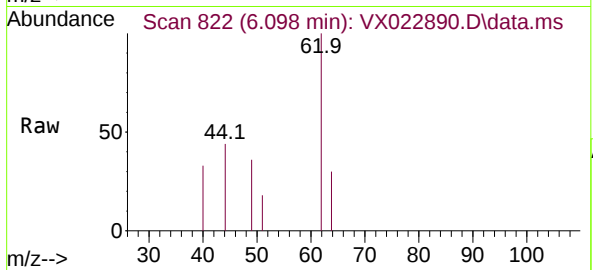




#42
1,2-Dichloroethane
Concen: 0.58 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

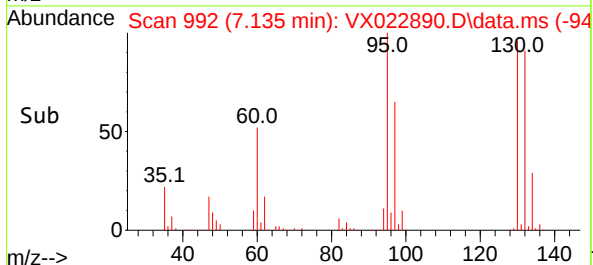
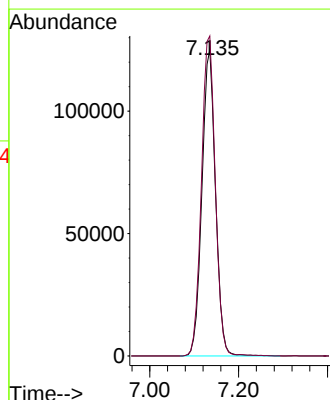
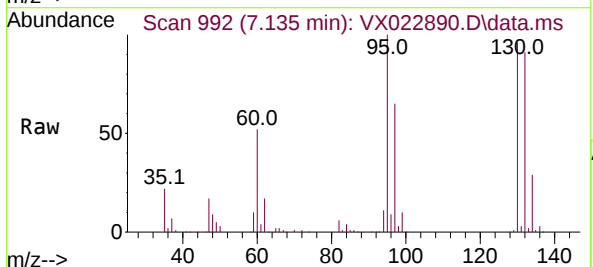
Instrument :
MSVOA_X
ClientSampled :

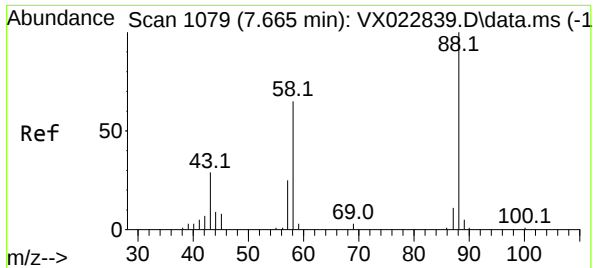
Tgt Ion: 62 Resp: 675
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#44
Trichloroethene
Concen: 355.37 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion:130 Resp: 265999
Ion Ratio Lower Upper
130 100
95 104.5 0.0 198.0

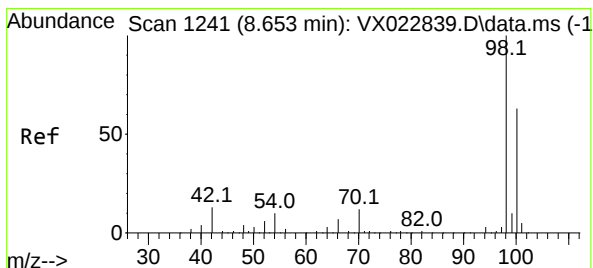
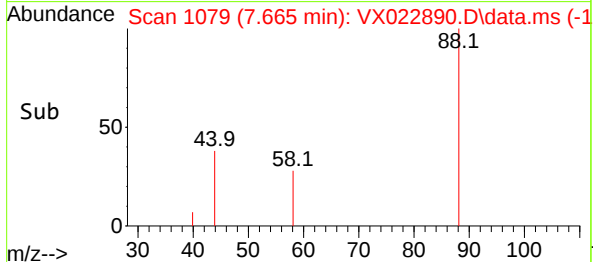
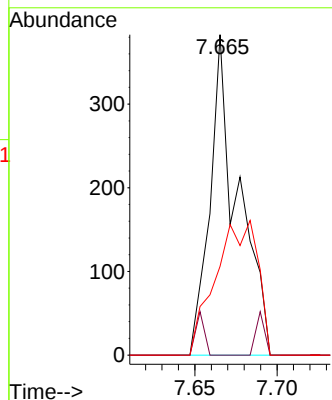
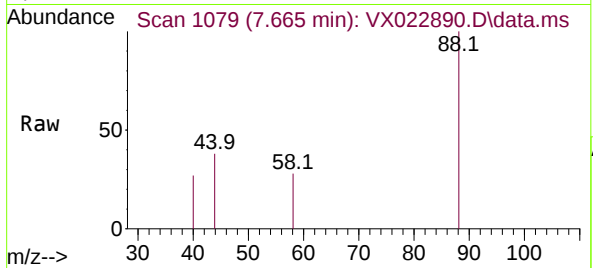




#49
1,4-Dioxane
Concen: 22.35 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

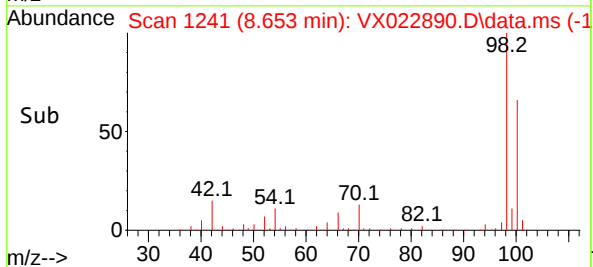
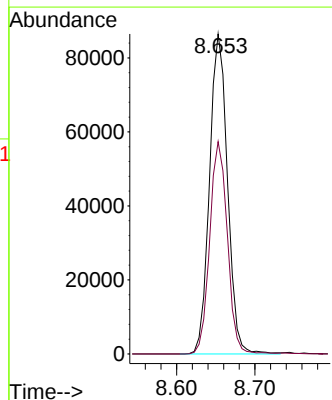
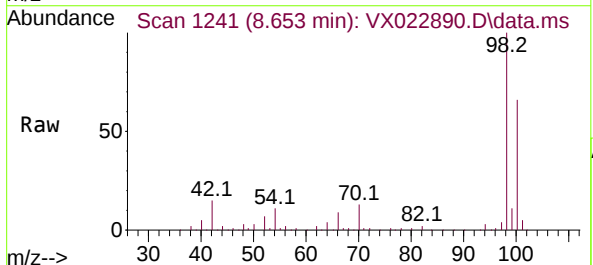
Instrument :
MSVOA_X
ClientSampled :

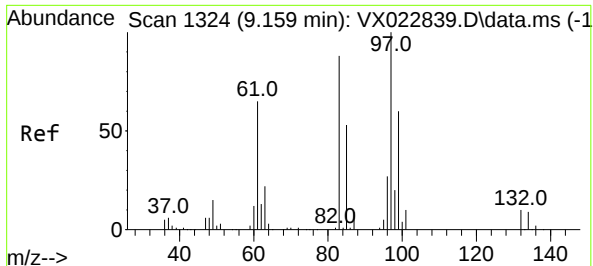
Tgt Ion: 88 Resp: 454
Ion Ratio Lower Upper
88 100
43 4.2 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 53.71 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 98 Resp: 137762
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

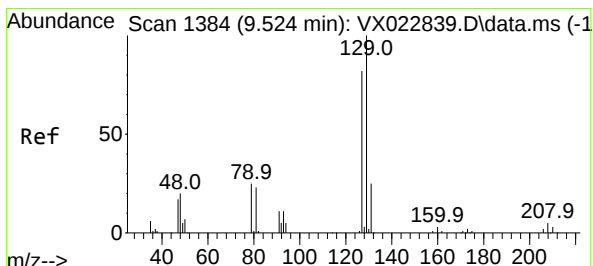
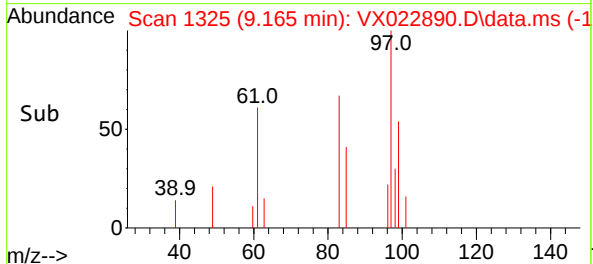
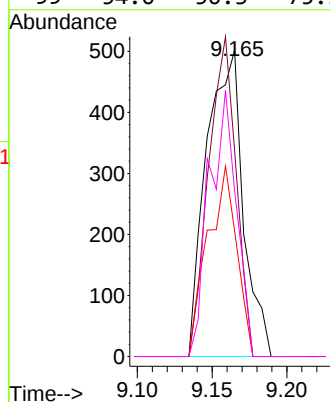
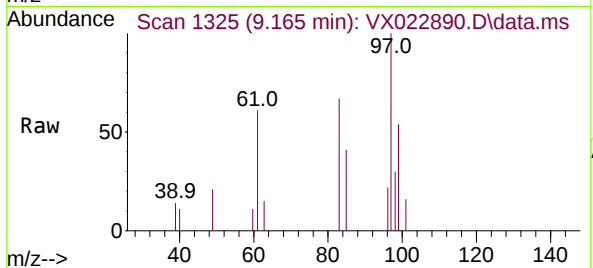




#55
1,1,2-Trichloroethane
Concen: 1.11 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

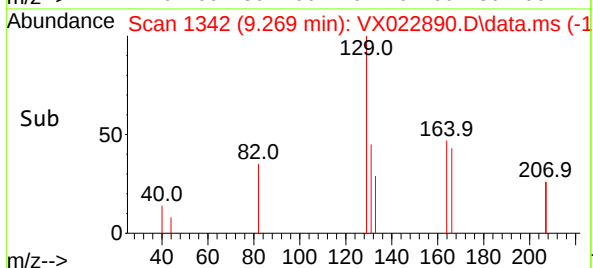
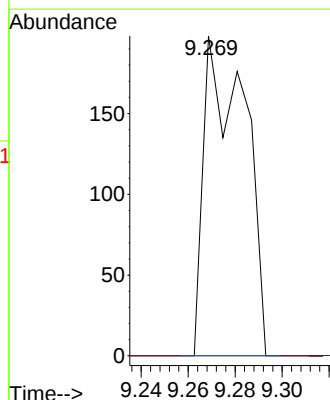
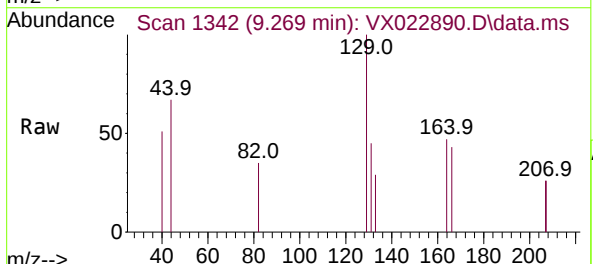
Instrument :
MSVOA_X
ClientSampled :

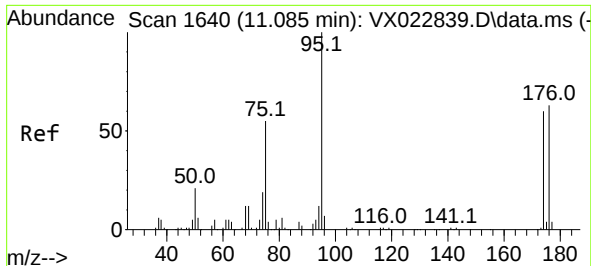
Tgt Ion: 97	Resp:	851
Ion	Ratio	Lower Upper
97	100	
83	67.3	69.3 103.9#
85	41.0	44.3 66.5#
99	54.0	50.3 75.5



#60
Dibromochloromethane
Concen: 3.95 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.255 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 129	Resp:	240
Ion	Ratio	Lower Upper
129	100	
127	0.0	38.4 115.2#

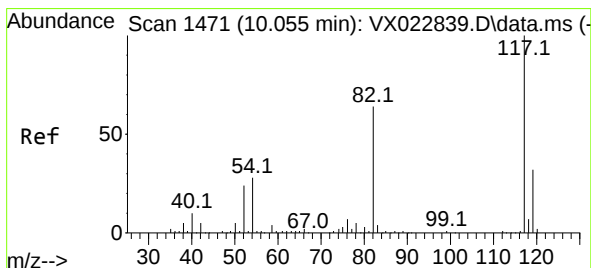
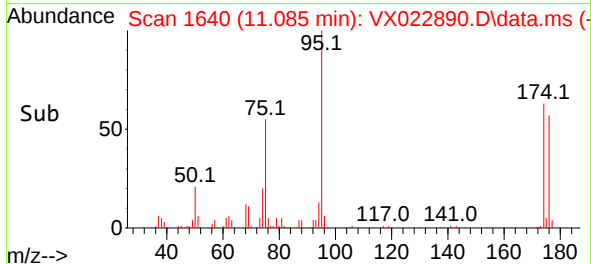
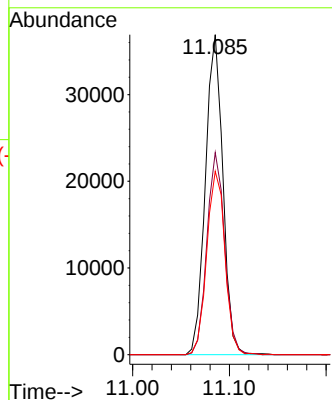
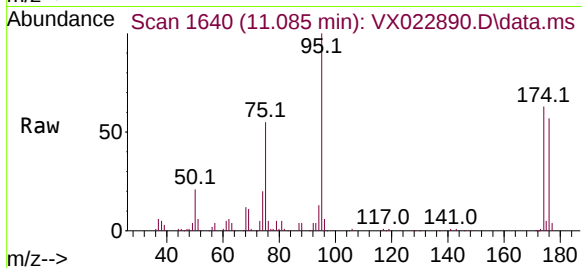




#62
4-Bromofluorobenzene
Concen: 48.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

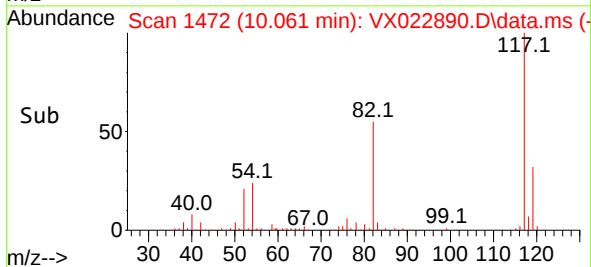
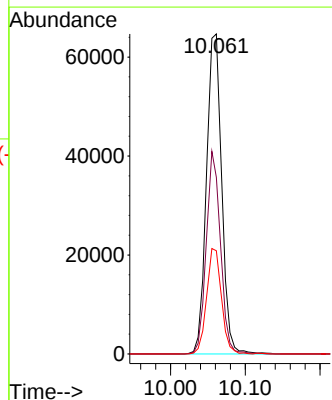
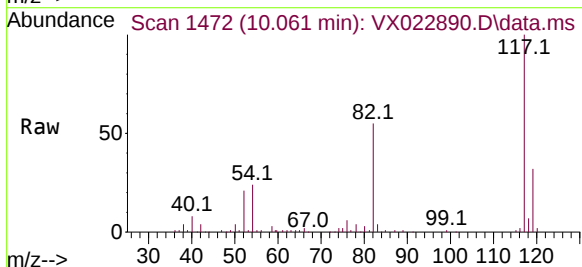
Instrument :
MSVOA_X
ClientSampleId :

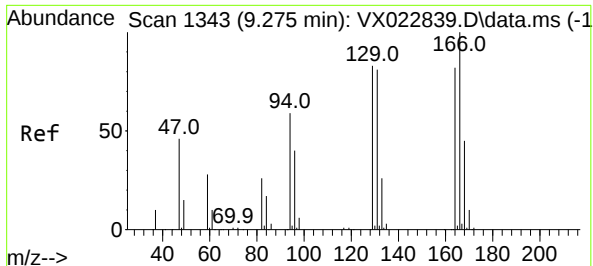
Tgt Ion: 95 Resp: 46407
Ion Ratio Lower Upper
95 100
174 64.2 0.0 154.6
176 59.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 117 Resp: 91556
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.3 26.6 39.8



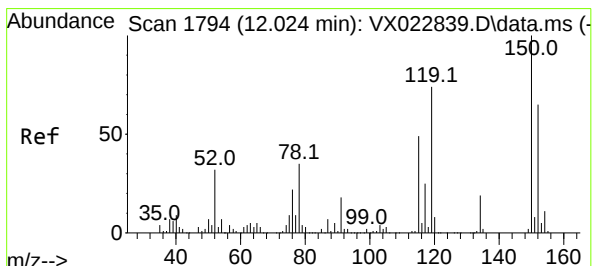
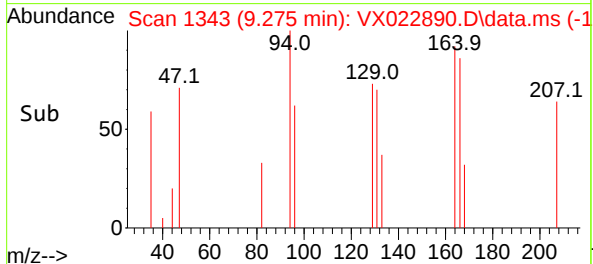
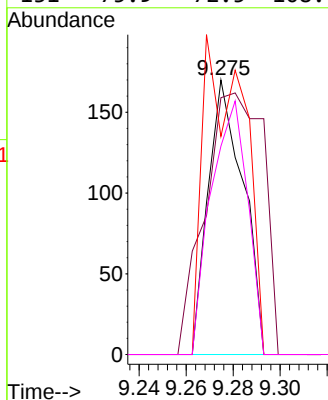
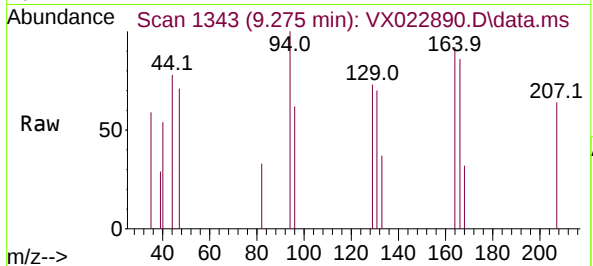


#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:164 Resp: 176

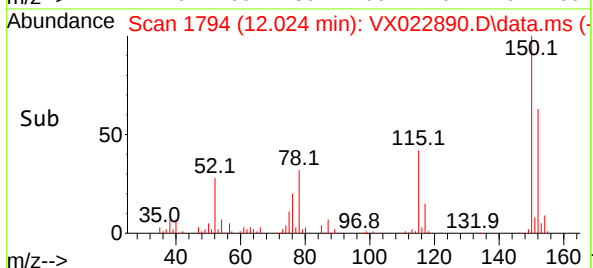
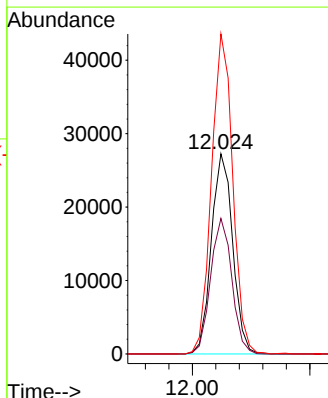
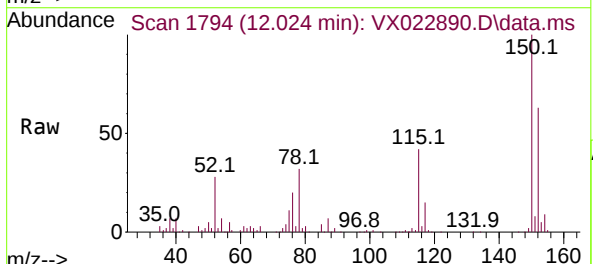
Ion	Ratio	Lower	Upper
164	100		
166	93.5	103.4	155.2#
129	79.4	70.8	106.2
131	75.9	72.5	108.7

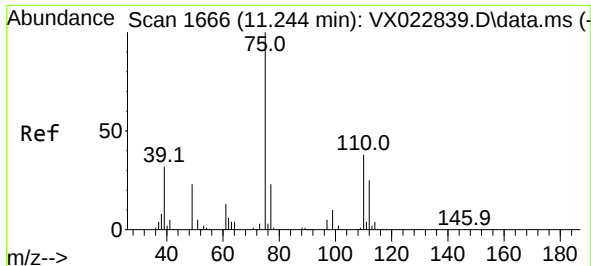


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion:152 Resp: 34353

Ion	Ratio	Lower	Upper
152	100		
115	67.3	41.1	123.3
150	158.7	0.0	349.0

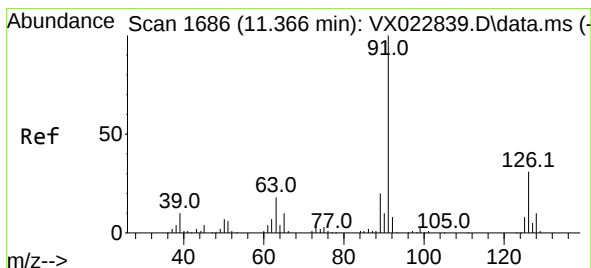
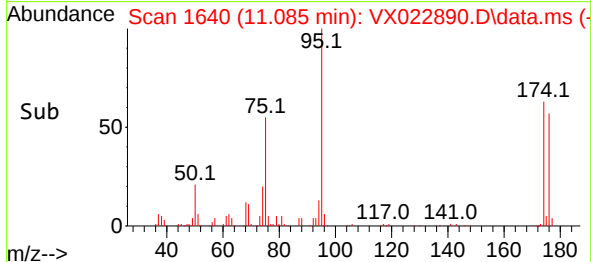
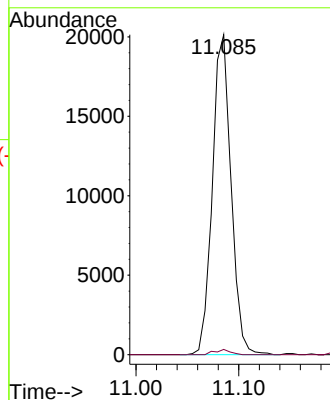
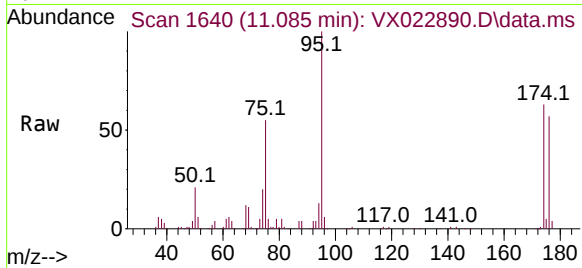




#76
1,2,3-Trichloropropane
Concen: 28.01 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

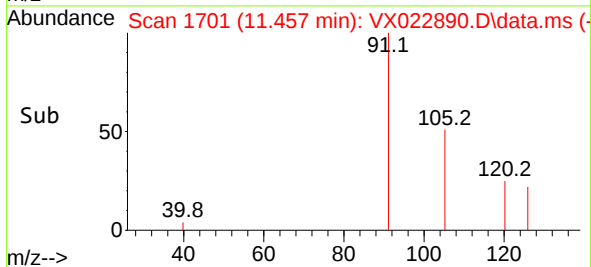
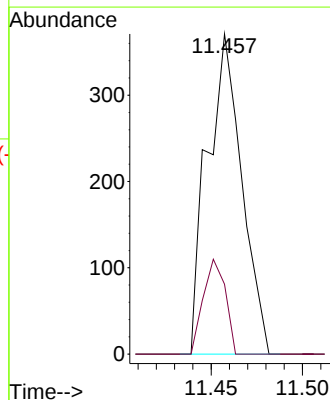
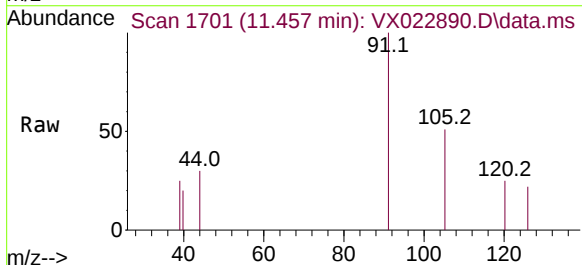
Instrument :
MSVOA_X
ClientSampled :

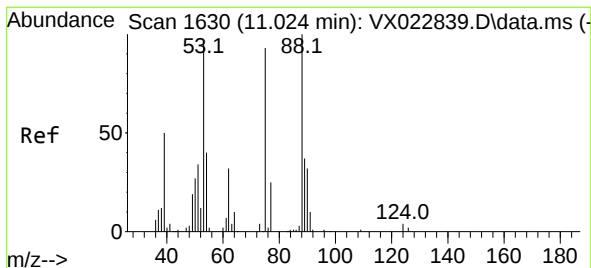
Tgt Ion: 75 Resp: 25413
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.23 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.091 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion: 91 Resp: 487
Ion Ratio Lower Upper
91 100
126 19.1 16.6 49.8

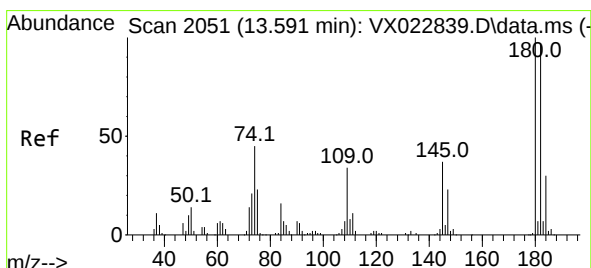
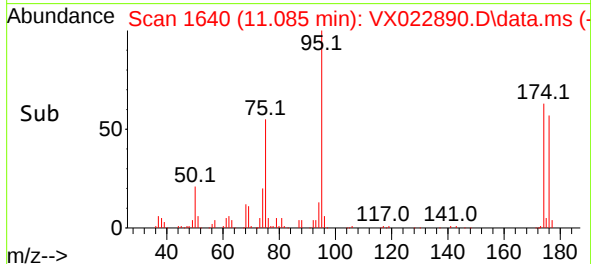
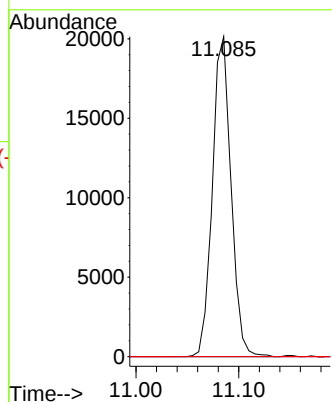
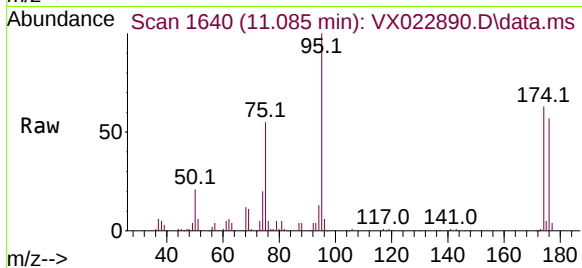




#81
trans-1,4-Dichloro-2-butene
Concen: 72.31 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

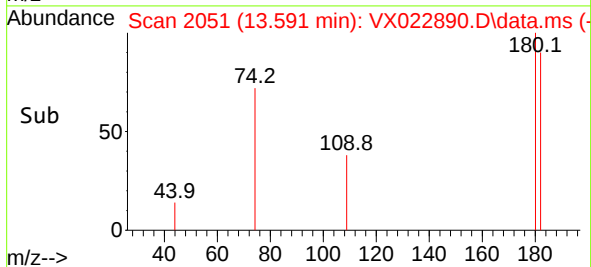
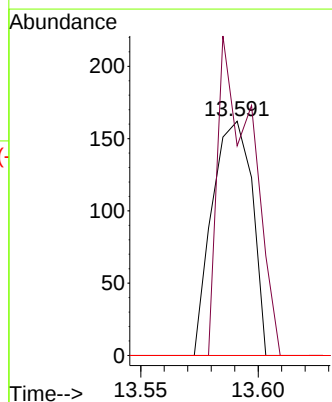
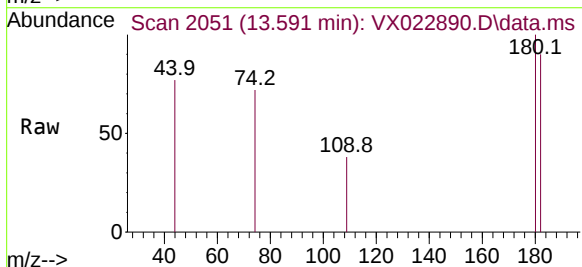
Instrument :
MSVOA_X
ClientSampled :

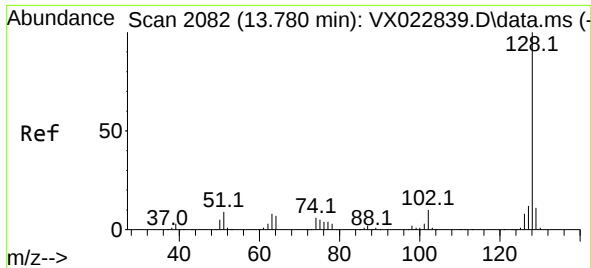
Tgt Ion: 75 Resp: 25413
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.30 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion:180 Resp: 192
Ion Ratio Lower Upper
180 100
182 115.6 47.7 143.1
145 0.0 15.0 45.0#

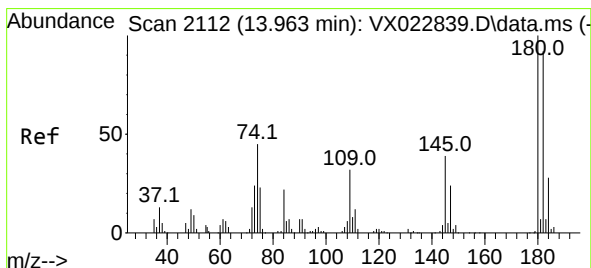
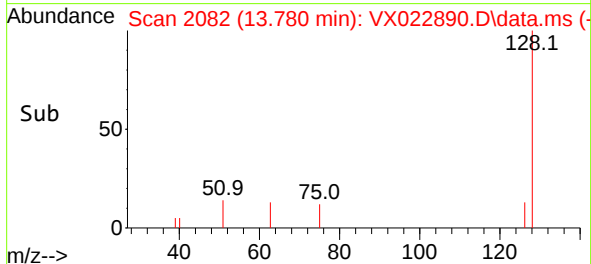
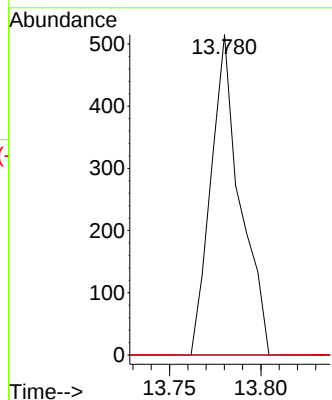
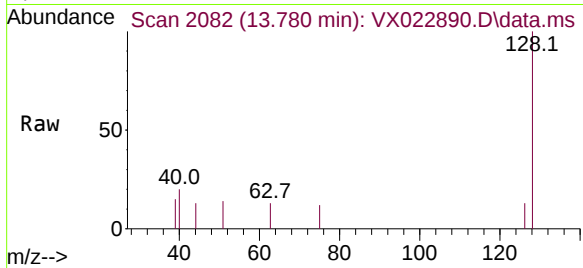




#95
Naphthalene
Concen: 2.12 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:128 Resp: 576
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.28 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX022890.D
Acq: 25 Jun 2021 00:48

Tgt Ion:180 Resp: 179
Ion Ratio Lower Upper
180 100
182 107.8 47.6 142.9
145 10.6 16.1 48.3#

