

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062321\
 Data File : VX022854.D
 Acq On : 23 Jun 2021 20:52
 Operator : JC/MD
 Sample : M2803-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20210618

Quant Time: Jun 24 03:37:58 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)

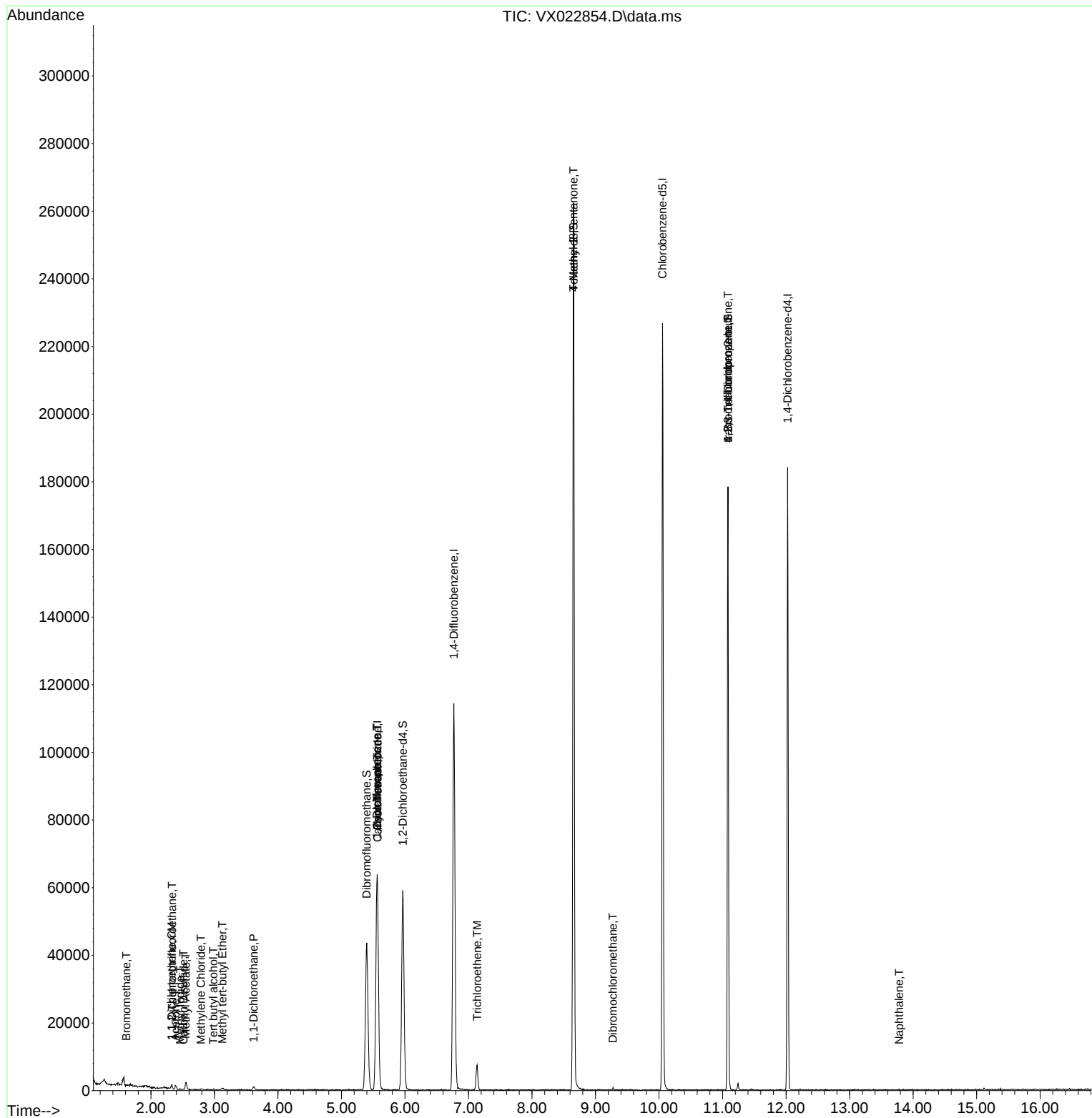
Internal Standards						
1) Pentafluorobenzene	5.562	168	53832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	109865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	32907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52298	53.533	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.060%	
35) Dibromofluoromethane	5.397	113	36193	51.877	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.760%	
50) Toluene-d8	8.653	98	144769	52.946	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.900%	
62) 4-Bromofluorobenzene	11.085	95	47128	46.183	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	108	0.255	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	467	0.667	ug/l #	75
10) Methyl Iodide	2.459	142	89	3.977	ug/l #	42
11) Tert butyl alcohol	2.983	59	113	0.555	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	160	0.229	ug/l #	76
16) Acetone	2.386	43	1137	2.625	ug/l	94
17) Carbon Disulfide	2.514	76	137	3.583	ug/l #	75
18) Methyl Acetate	2.544	43	760	0.713	ug/l #	47
19) Methyl tert-butyl Ether	3.123	73	666	0.266	ug/l #	83
20) Methylene Chloride	2.788	84	96	0.483	ug/l #	83
24) 1,1-Dichloroethane	3.617	63	1095	0.743	ug/l #	81
31) Cyclohexane	5.562	56	1596	1.157	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	5684	4.871	ug/l #	46
38) Carbon Tetrachloride	5.568	117	6558	6.700	ug/l #	19
44) Trichloroethene	7.135	130	2539	3.182	ug/l	87
51) 4-Methyl-2-Pentanone	8.653	43	755	0.558	ug/l #	1
60) Dibromochloromethane	9.275	129	59	3.718	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	25405	29.228	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	25405	75.177	ug/l #	12
95) Naphthalene	13.780	128	31	1.934	ug/l #	69

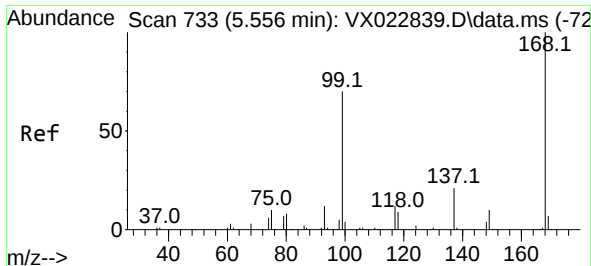
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

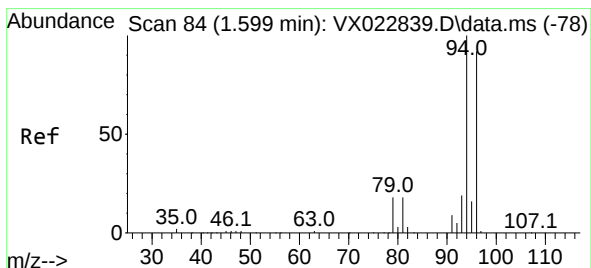
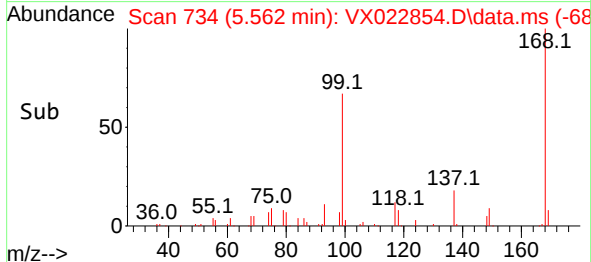
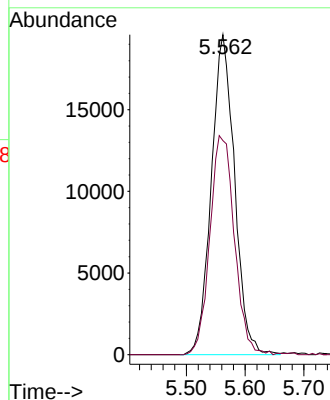
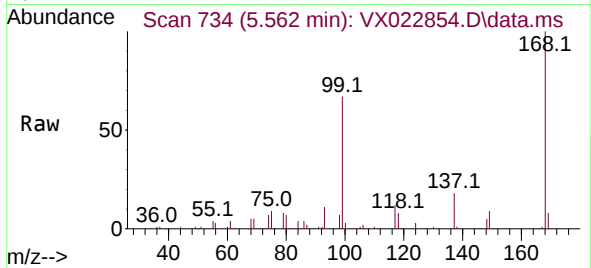




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

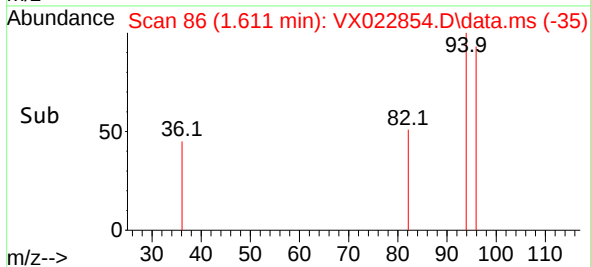
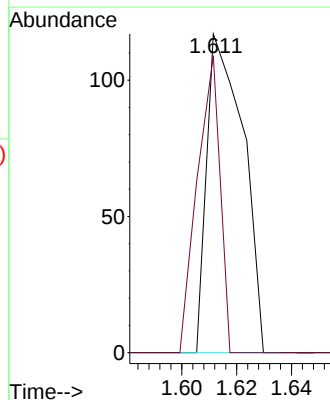
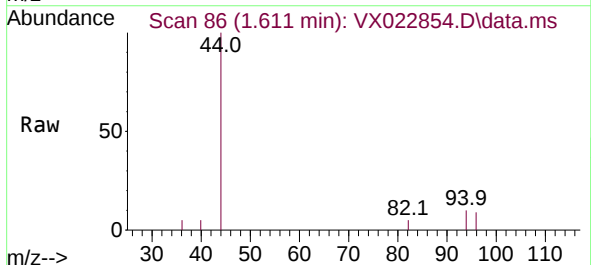
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

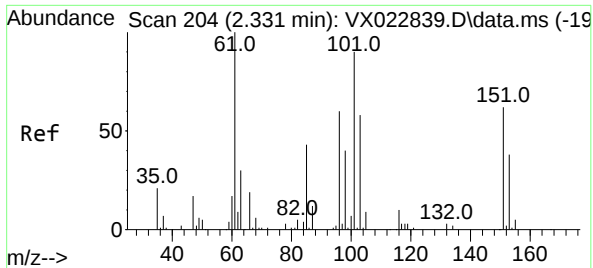
Tgt Ion:168 Resp: 53832
Ion Ratio Lower Upper
168 100
99 66.9 45.8 68.6



#5
Bromomethane
Concen: 0.255 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 93.2 76.4 114.6

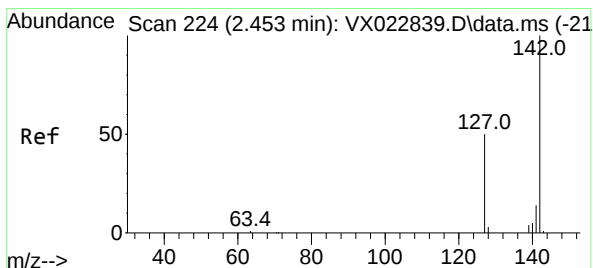
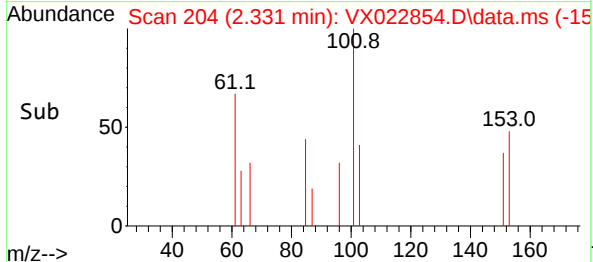
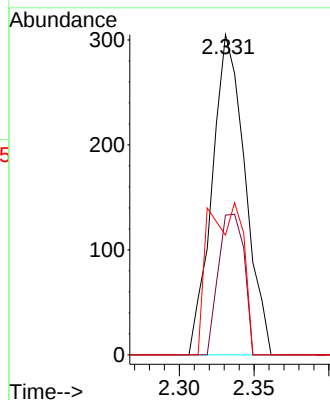
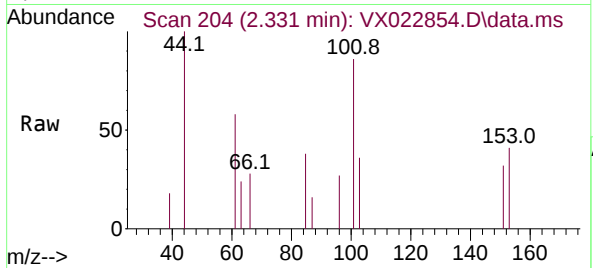




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.667 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

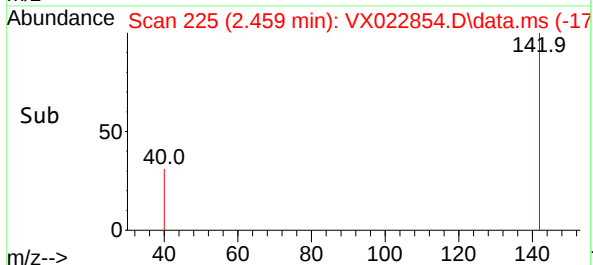
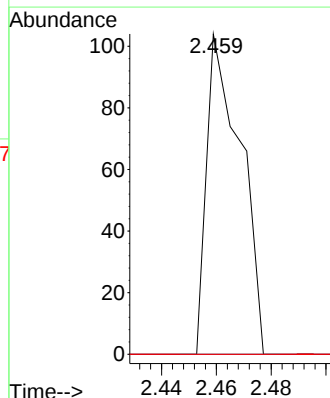
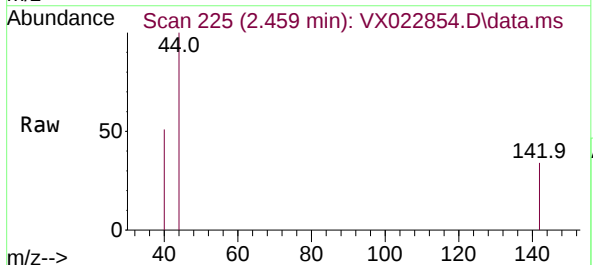
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

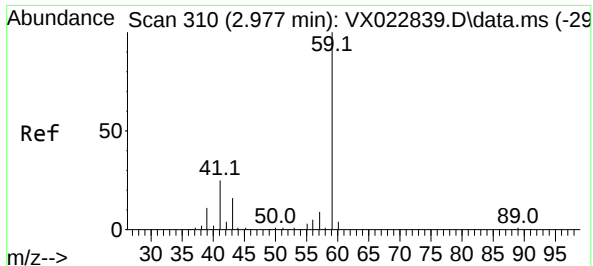
Tgt Ion:101 Resp: 467
Ion Ratio Lower Upper
101 100
85 34.3 34.9 52.3#
151 50.3 61.4 92.2#



#10
Methyl Iodide
Concen: 3.977 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion:142 Resp: 89
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



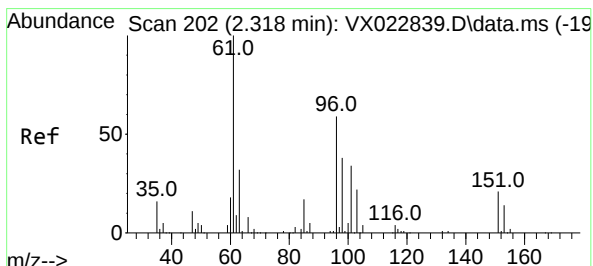
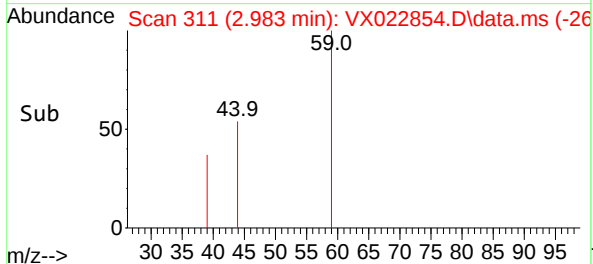
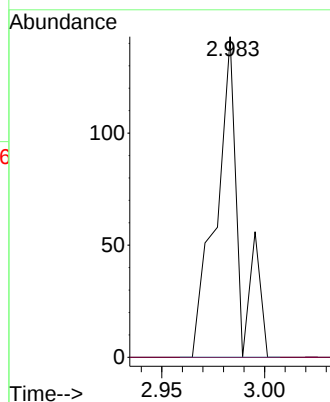
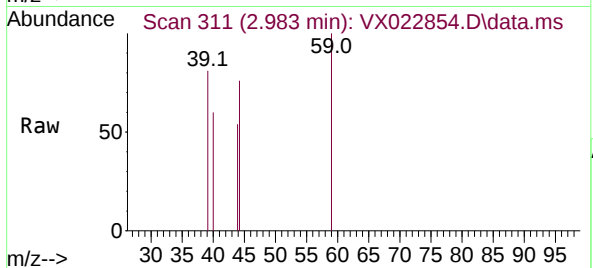


#11

Tert butyl alcohol
Concen: 0.555 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

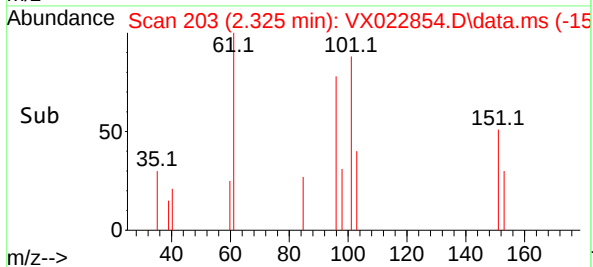
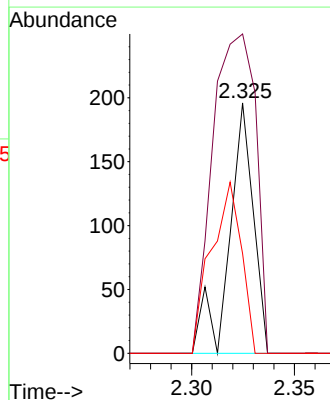
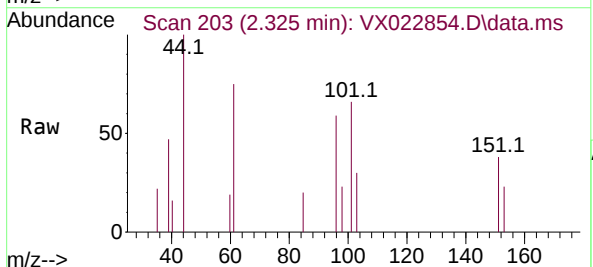
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

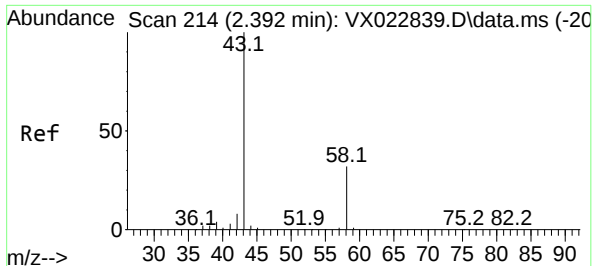


#12

1,1-Dichloroethene
Concen: 0.229 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 96 Resp: 160
Ion Ratio Lower Upper
96 100
61 127.6 124.6 187.0
98 39.8 50.6 76.0#

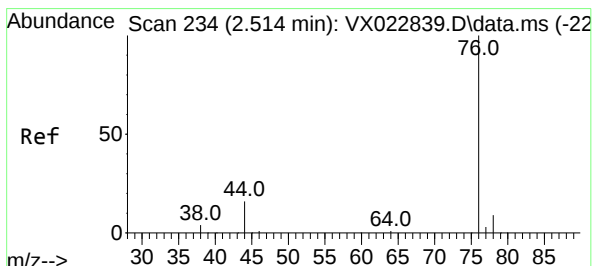
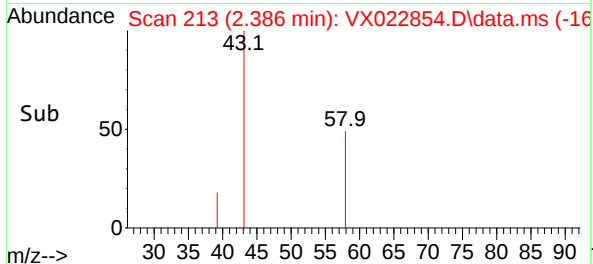
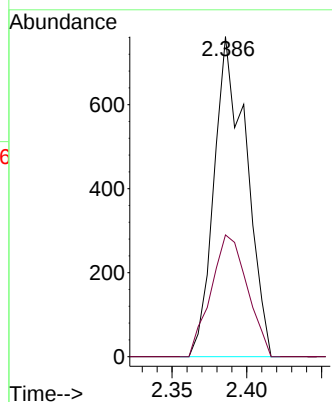
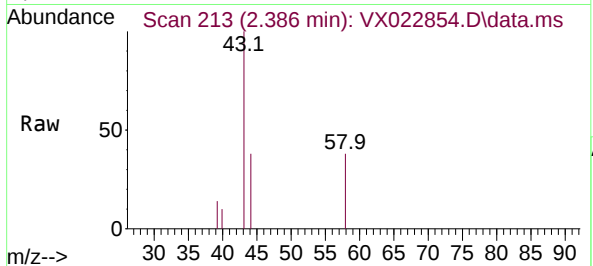




#16
Acetone
Concen: 2.625 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

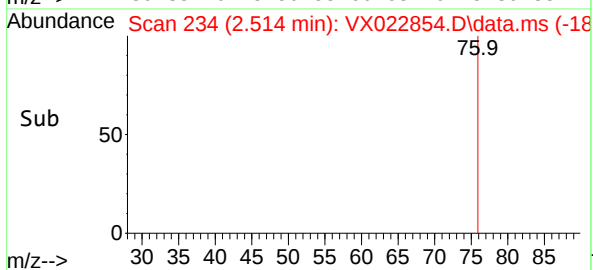
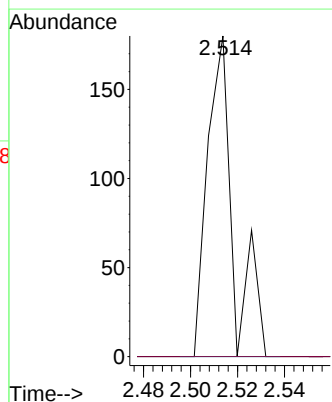
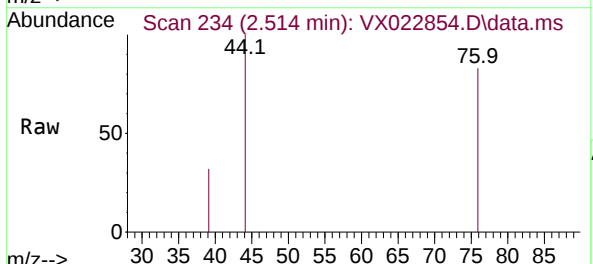
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

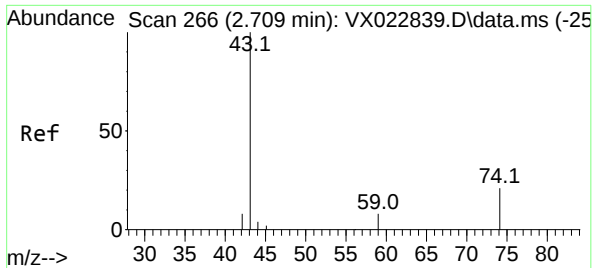
Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
58 38.1 27.8 41.8



#17
Carbon Disulfide
Concen: 3.583 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 76 Resp: 137
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.713 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.165 min

Lab File: VX022854.D

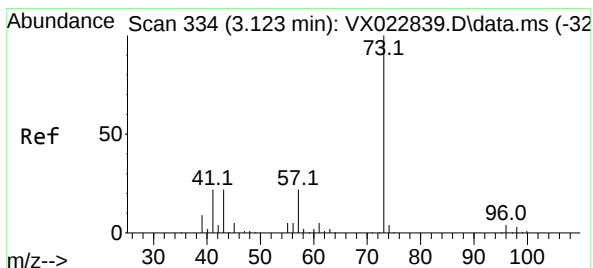
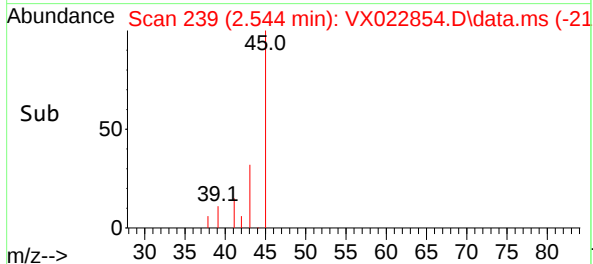
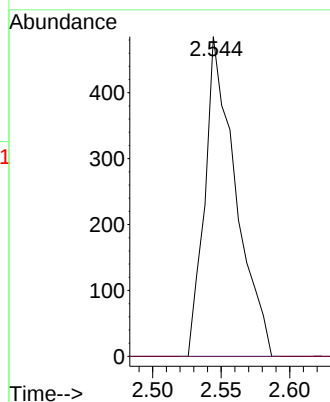
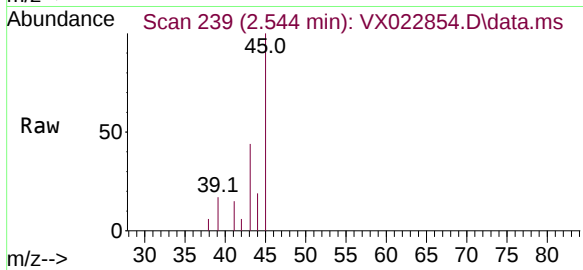
Acq: 23 Jun 2021 20:52

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.266 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX022854.D

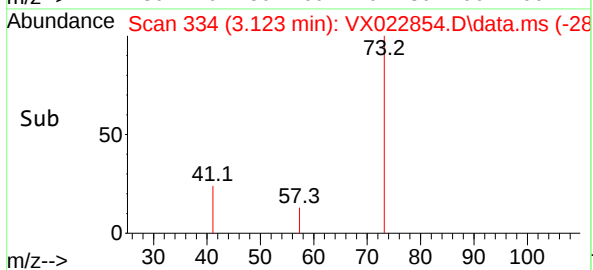
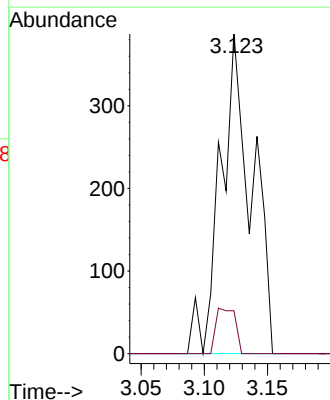
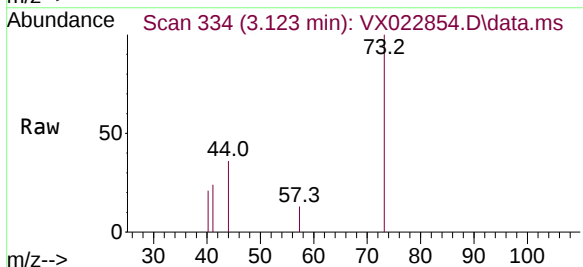
Acq: 23 Jun 2021 20:52

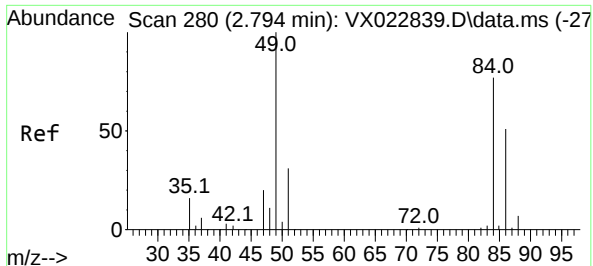
Tgt Ion: 73 Resp: 666

Ion Ratio Lower Upper

73 100

57 13.4 17.1 25.7#

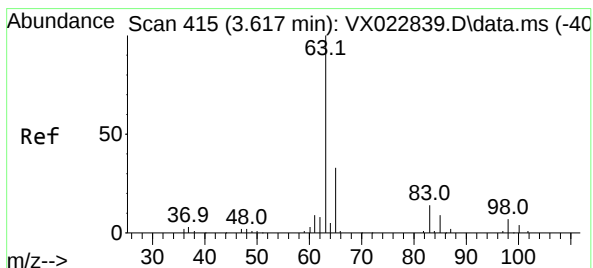
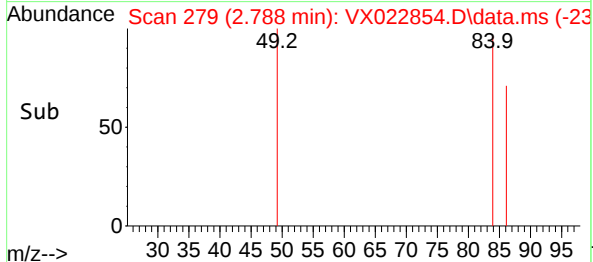
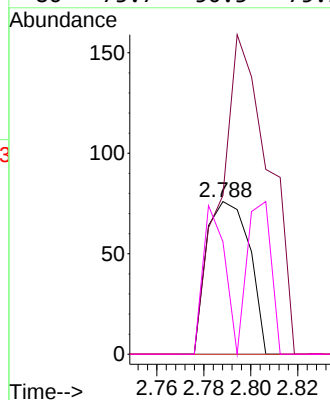
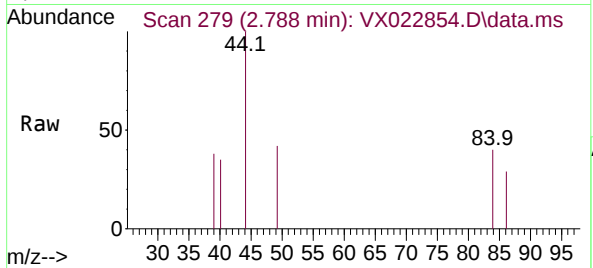




#20
Methylene Chloride
Concen: 0.483 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

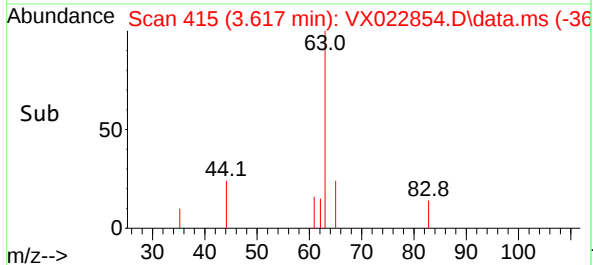
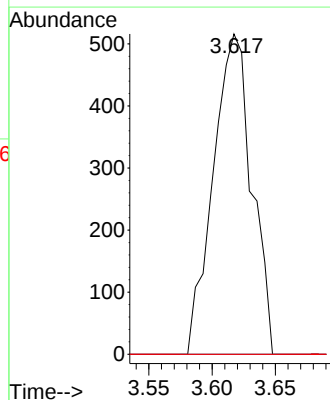
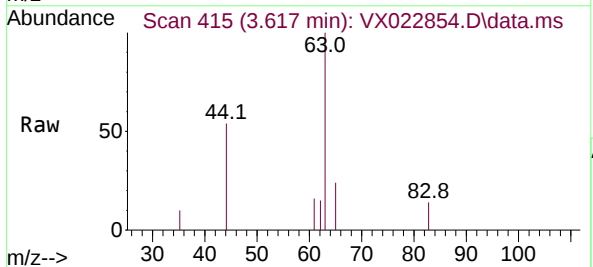
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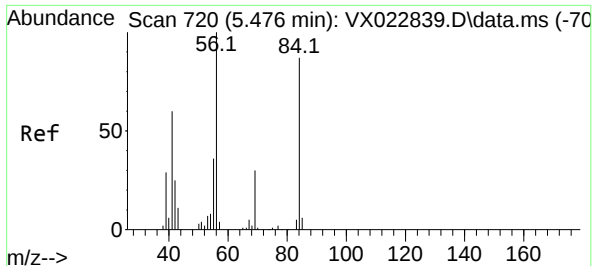
Tgt Ion:	84	Resp:	96
Ion	Ratio	Lower	Upper
84	100		
49	103.9	88.6	132.8
51	0.0	27.0	40.6#
86	73.7	50.3	75.5



#24
1,1-Dichloroethane
Concen: 0.743 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion:	63	Resp:	1095
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#

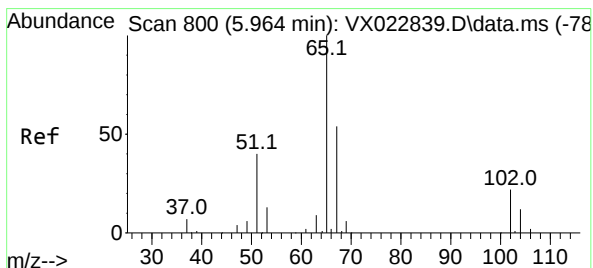
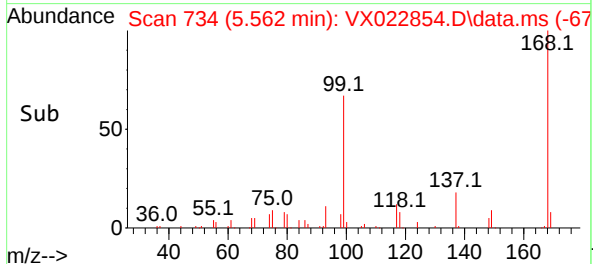
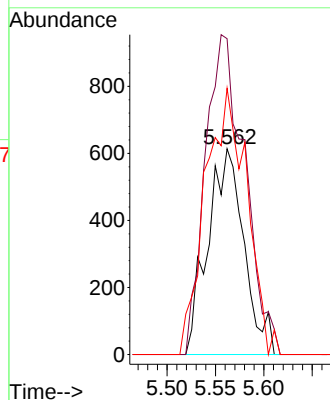
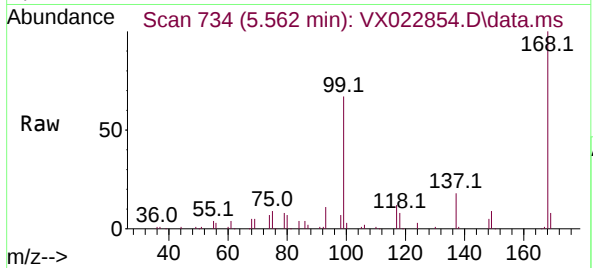




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

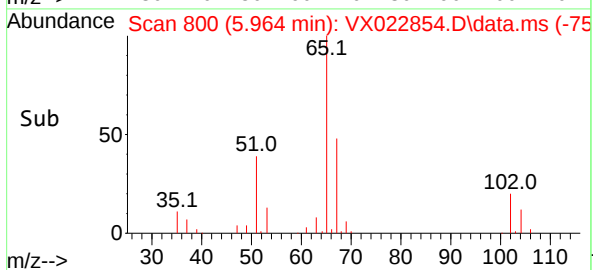
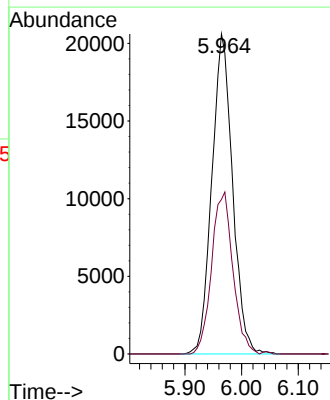
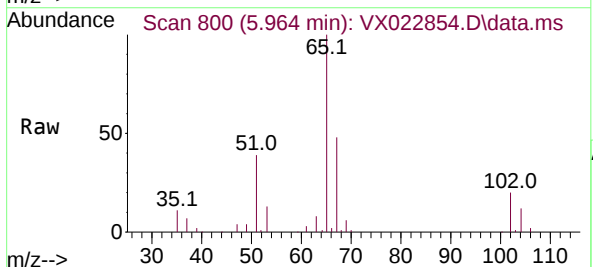
Instrument :
MSVOA_X
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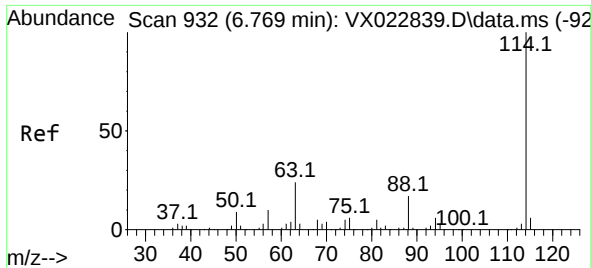
Tgt Ion: 56 Resp: 1596
Ion Ratio Lower Upper
56 100
69 153.4 25.3 37.9#
84 129.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.533 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 65 Resp: 52298
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

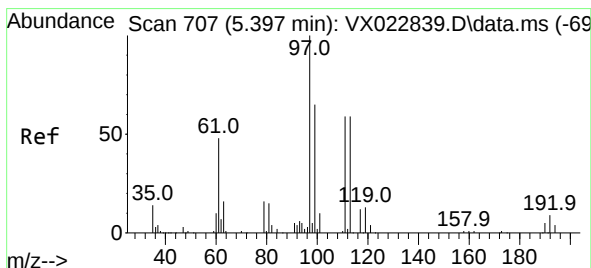
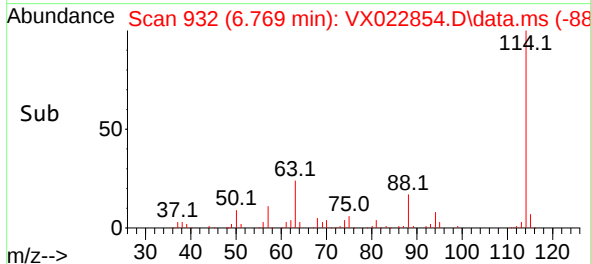
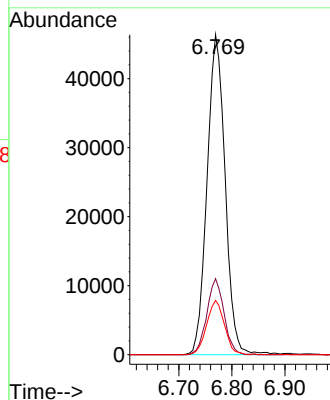
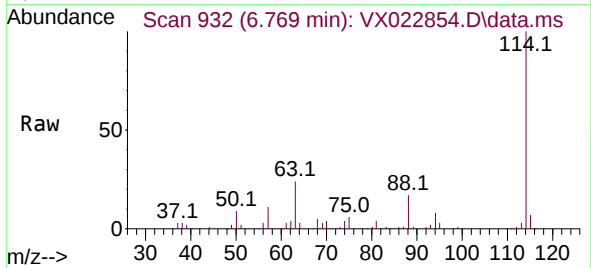




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

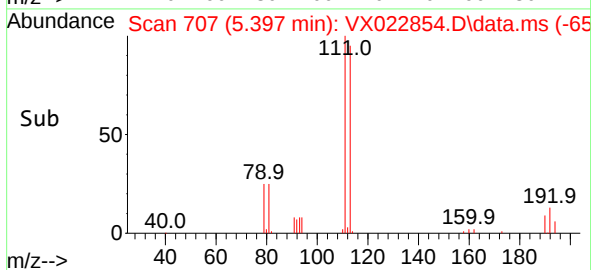
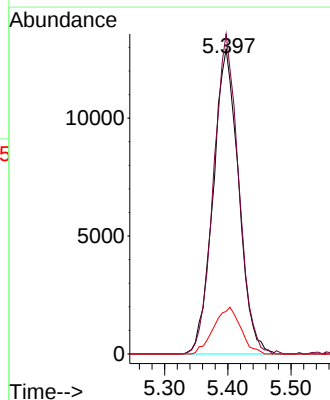
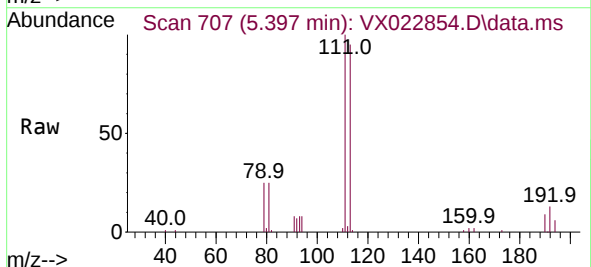
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

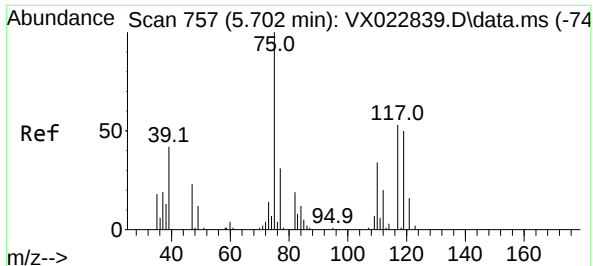
Tgt Ion:114 Resp: 109865
Ion Ratio Lower Upper
114 100
63 23.7 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.877 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

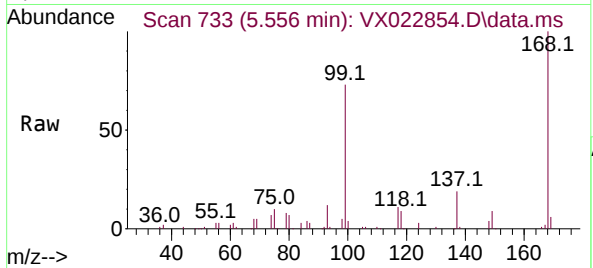
Tgt Ion:113 Resp: 36193
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 16.2 16.7 25.1#



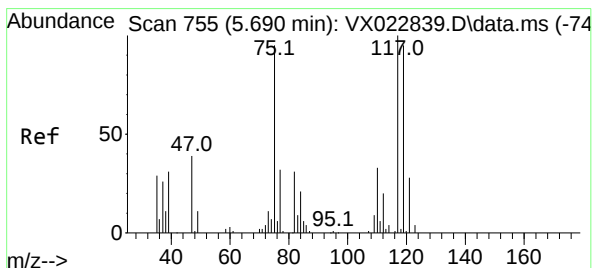
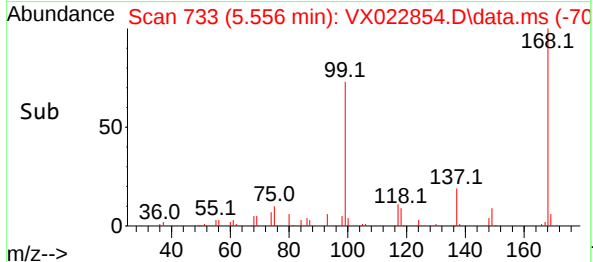
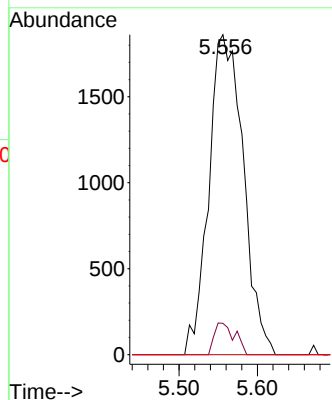


#36
1,1-Dichloropropene
Concen: 4.871 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

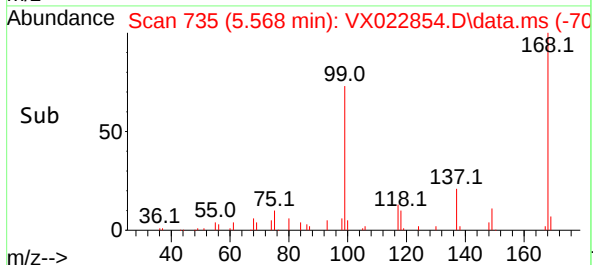
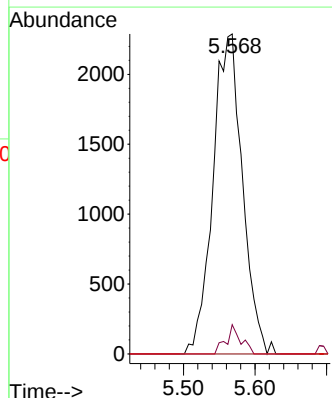
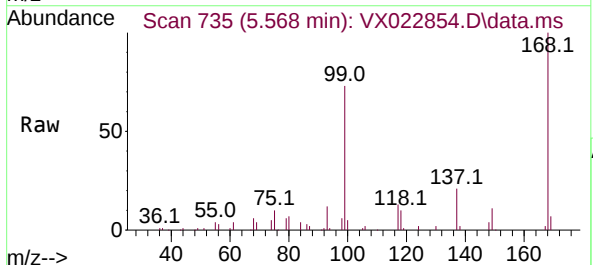


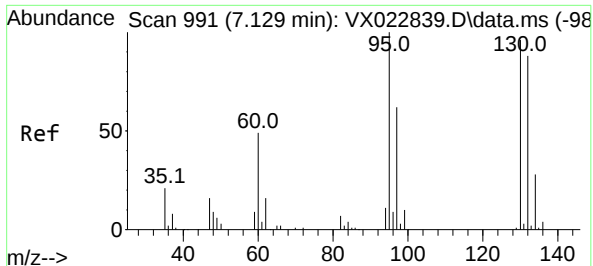
Tgt Ion: 75 Resp: 5684
Ion Ratio Lower Upper
75 100
110 5.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.700 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 117 Resp: 6558
Ion Ratio Lower Upper
117 100
119 9.1 76.2 114.2#
121 0.0 24.8 37.2#

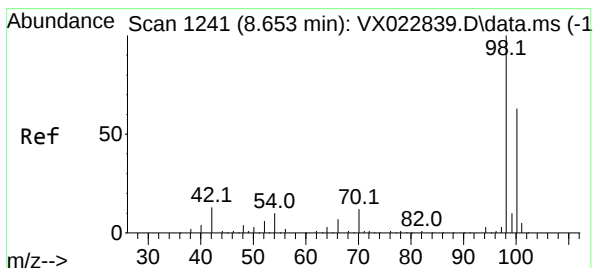
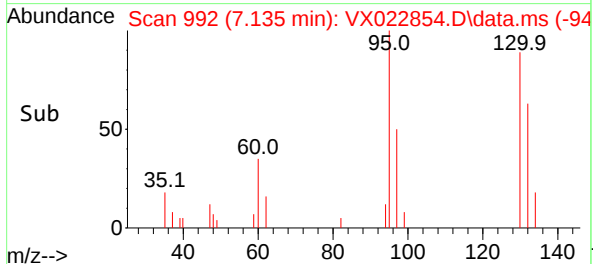
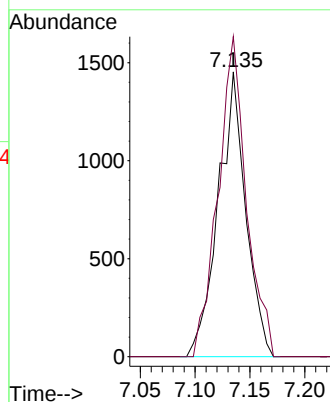
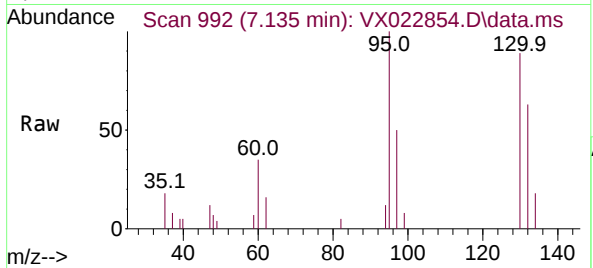




#44
Trichloroethene
Concen: 3.182 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

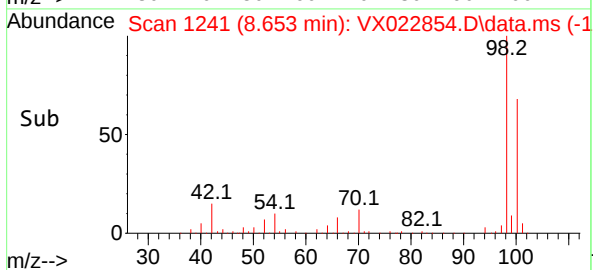
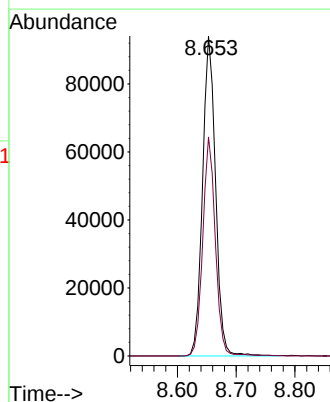
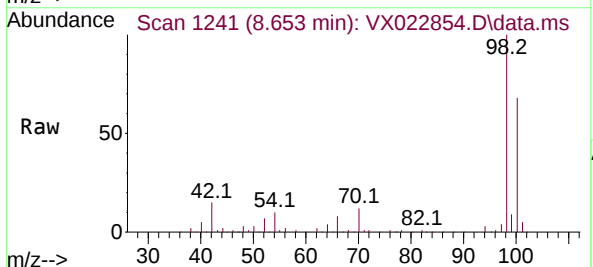
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

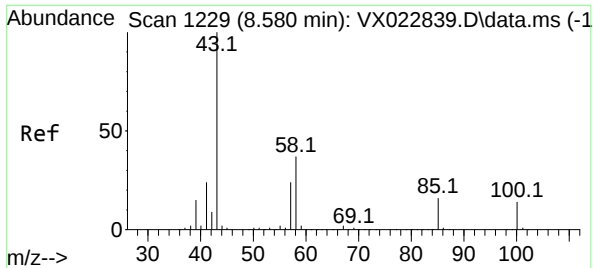
Tgt Ion:130 Resp: 2539
Ion Ratio Lower Upper
130 100
95 112.4 0.0 198.0



#50
Toluene-d8
Concen: 52.946 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 98 Resp: 144769
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

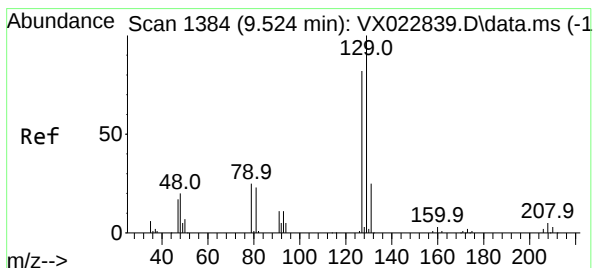
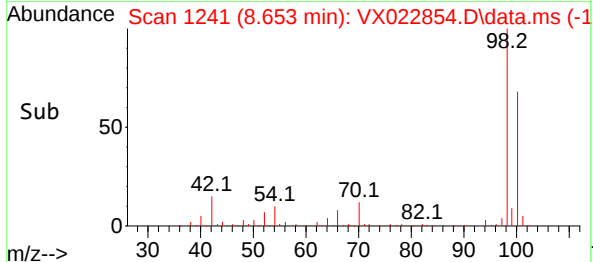
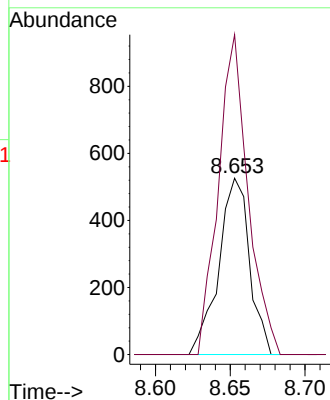
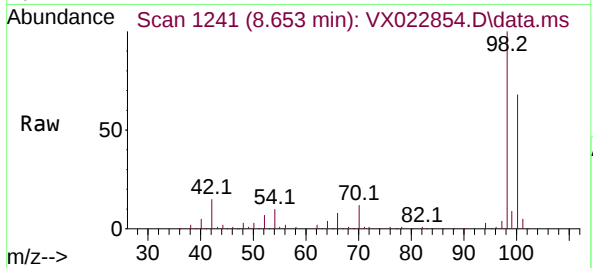




#51
4-Methyl-2-Pentanone
Concen: 0.558 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

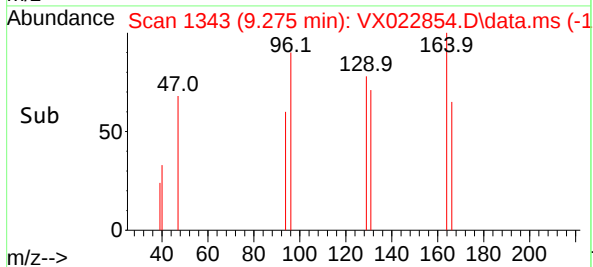
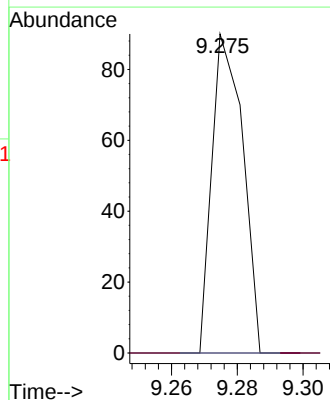
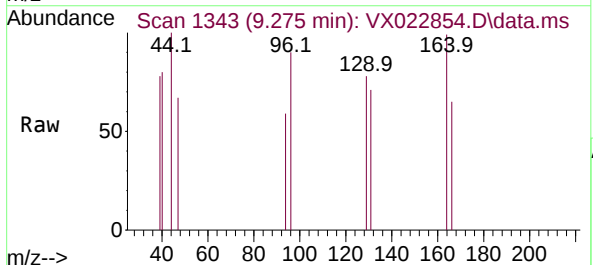
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

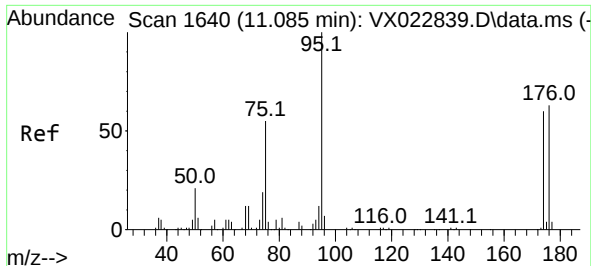
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
58 174.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 3.718 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 129 Resp: 59
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

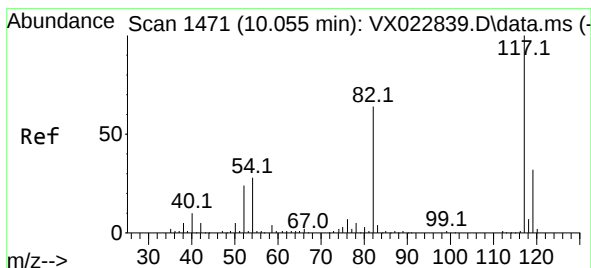
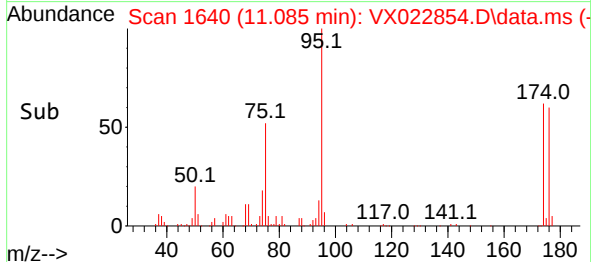
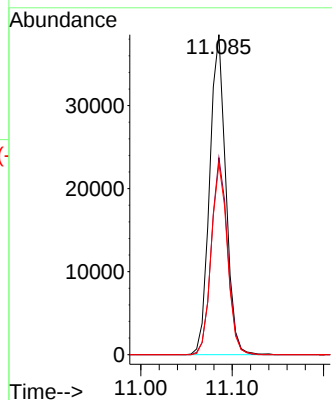
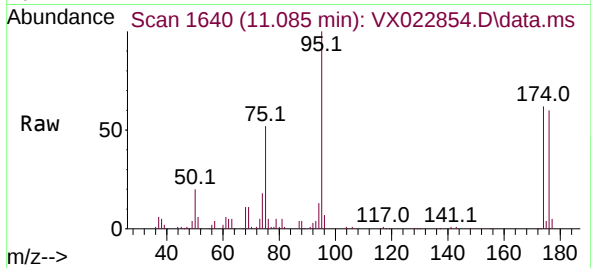




#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

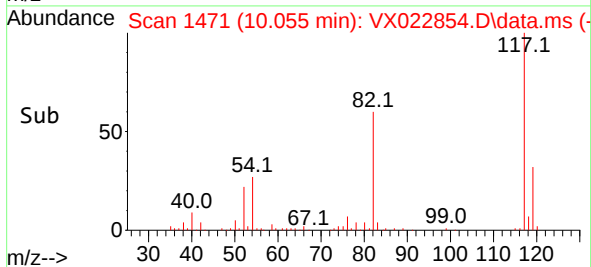
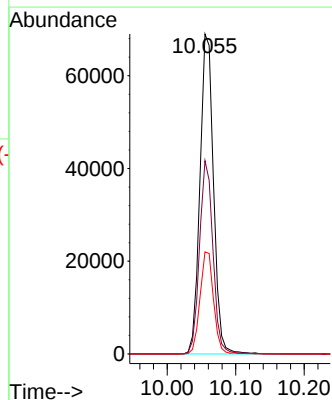
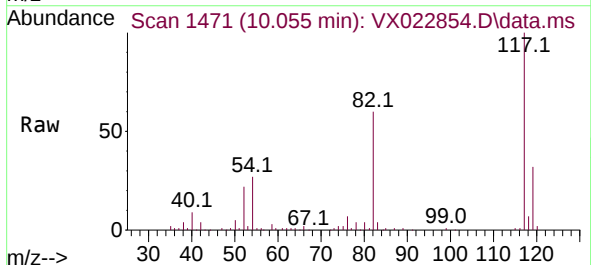
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

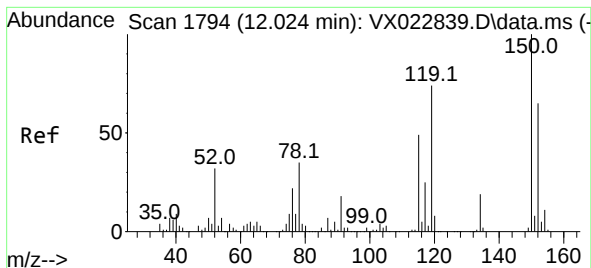
Tgt Ion: 95 Resp: 47128
Ion Ratio Lower Upper
95 100
174 61.4 0.0 154.6
176 59.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 117 Resp: 95191
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.9 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: VX022854.D

Acq: 23 Jun 2021 20:52

Tgt Ion:152 Resp: 32907

Ion Ratio Lower Upper

152 100

115 68.2 41.1 123.3

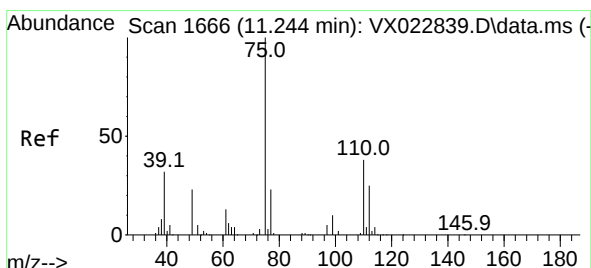
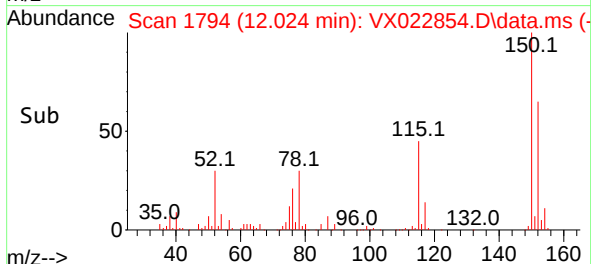
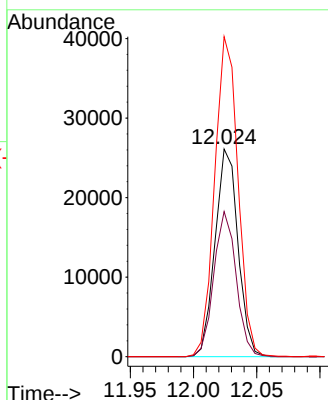
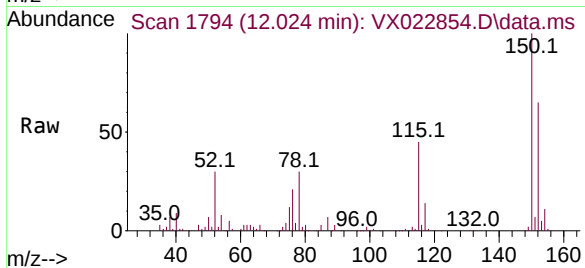
150 156.0 0.0 349.0

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20210618



#76

1,2,3-Trichloropropane

Concen: 29.228 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022854.D

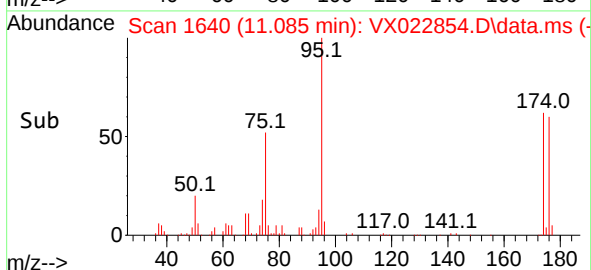
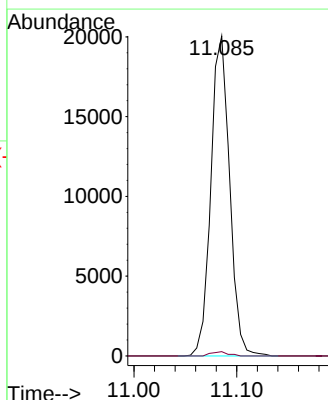
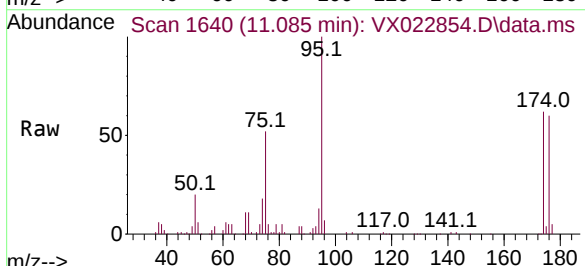
Acq: 23 Jun 2021 20:52

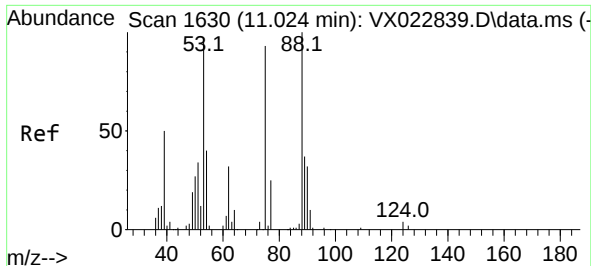
Tgt Ion: 75 Resp: 25405

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

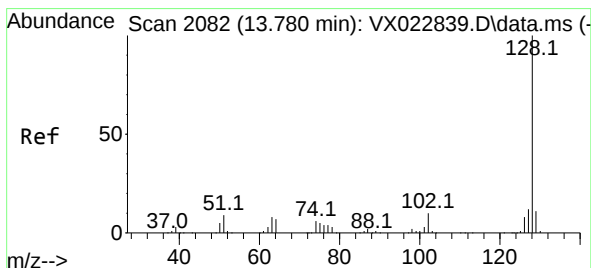
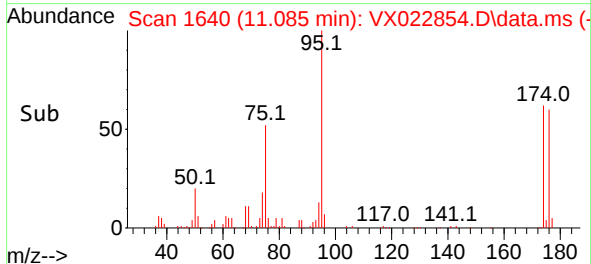
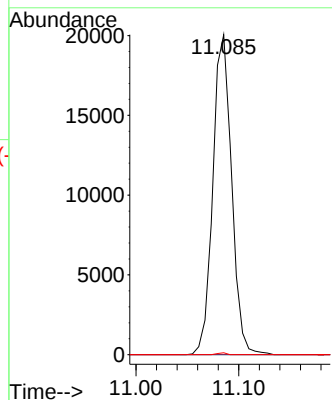
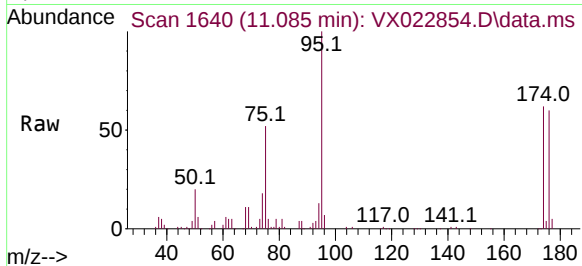




#81
trans-1,4-Dichloro-2-butene
Concen: 75.177 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20210618

Tgt Ion: 75 Resp: 25405
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.3 37.9 56.9#



#95
Naphthalene
Concen: 1.934 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022854.D
Acq: 23 Jun 2021 20:52

Tgt Ion: 128 Resp: 31
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

