

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022880.D
 Acq On : 24 Jun 2021 20:07
 Operator : JC/MD
 Sample : M2803-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 05:40:13 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)

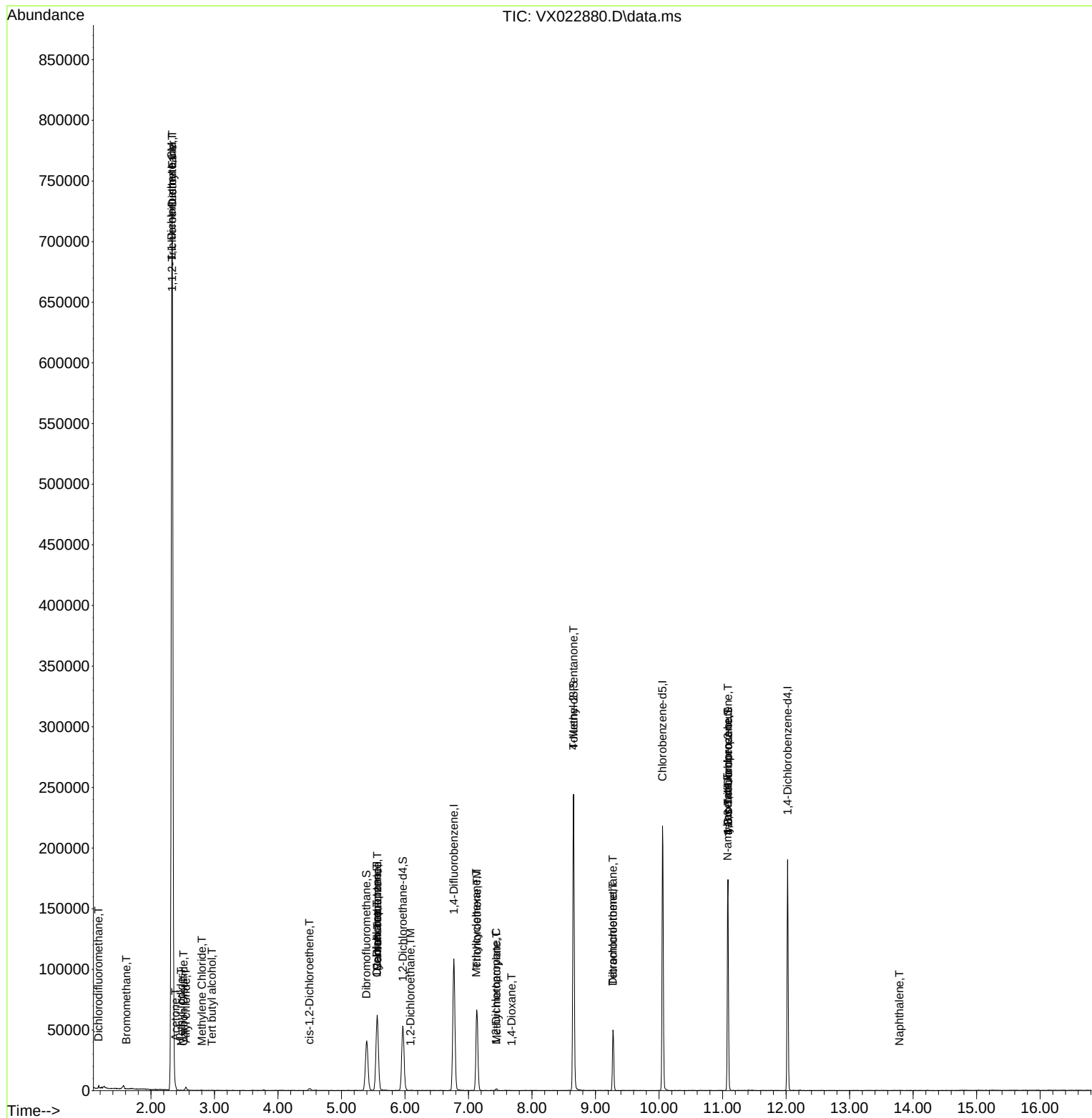
Internal Standards						
1) Pentafluorobenzene	5.562	168	50127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	104179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33054	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49387	54.29	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.58%			
35) Dibromofluoromethane	5.391	113	35119	53.09	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.18%			
50) Toluene-d8	8.653	98	134483	51.87	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.74%			
62) 4-Bromofluorobenzene	11.085	95	45311	46.83	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.66%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	284	0.40	ug/l	79
5) Bromomethane	1.611	94	160	0.41	ug/l #	2
8) Diethyl Ether	2.337	74	257	0.64	ug/l #	5
9) 1,1,2-Trichlorotrifluo...	2.331	101	290037	444.98	ug/l	90
10) Methyl Iodide	2.477	142	104	4.00	ug/l #	42
11) Tert butyl alcohol	2.959	59	190	1.00	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	2343	3.60	ug/l	92
14) Allyl chloride	2.550	41	290	0.23	ug/l #	56
16) Acetone	2.386	43	1188	2.95	ug/l #	87
17) Carbon Disulfide	2.514	76	168	3.60	ug/l #	75
20) Methylene Chloride	2.800	84	63	0.45	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	968	1.21	ug/l	92
31) Cyclohexane	5.556	56	1668	1.30	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	5239	4.73	ug/l #	50
38) Carbon Tetrachloride	5.562	117	5763	6.21	ug/l #	15
39) Methylcyclohexane	7.123	83	295	0.23	ug/l #	21
42) 1,2-Dichloroethane	6.086	62	419	0.36	ug/l #	73
44) Trichloroethene	7.135	130	23559	31.13	ug/l	92
45) 1,2-Dichloropropane	7.434	63	549	0.67	ug/l	94
48) Methyl methacrylate	7.440	41	387	0.41	ug/l #	17
49) 1,4-Dioxane	7.677	88	26	1.27	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	736	0.57	ug/l #	1
60) Dibromochloromethane	9.275	129	8569	14.13	ug/l #	11
64) Tetrachloroethene	9.275	164	8173	12.66	ug/l	89
74) N-amyl acetate	11.079	43	21	2.07	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	25310	28.99	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	25310	74.62	ug/l #	12
95) Naphthalene	13.786	128	79	1.95	ug/l #	69

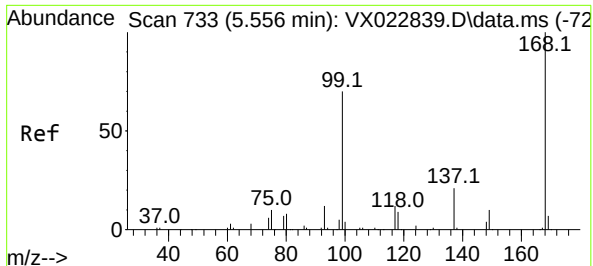
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
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ClientSampleId :

Quant Time: Jun 25 05:40:13 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

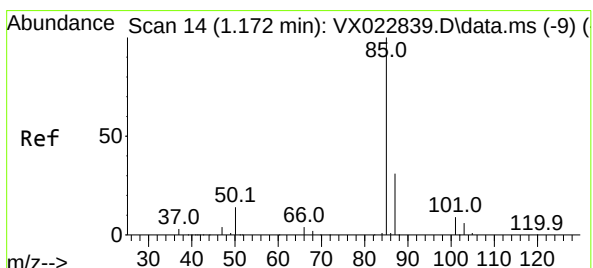
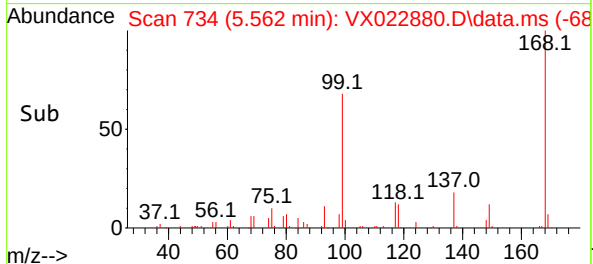
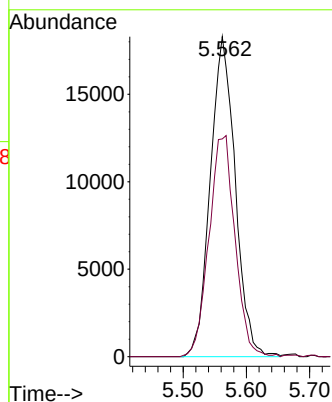
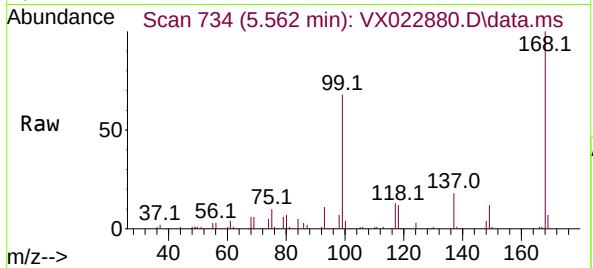




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

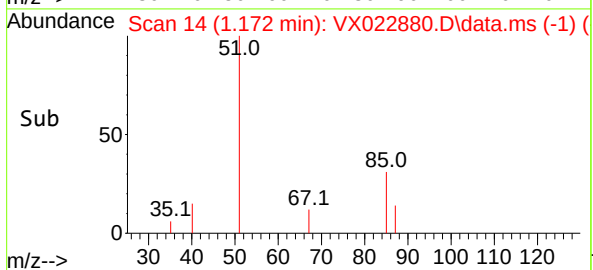
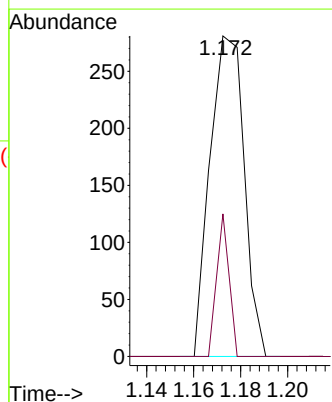
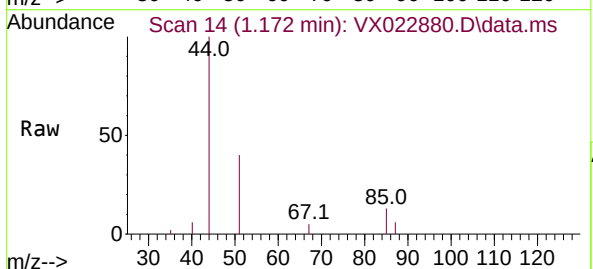
Instrument :
MSVOA_X
ClientSampleId :

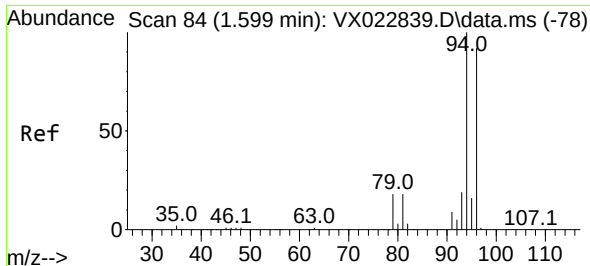
Tgt Ion:168 Resp: 50127
Ion Ratio Lower Upper
168 100
99 68.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.40 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 85 Resp: 284
Ion Ratio Lower Upper
85 100
87 44.5 16.4 49.2

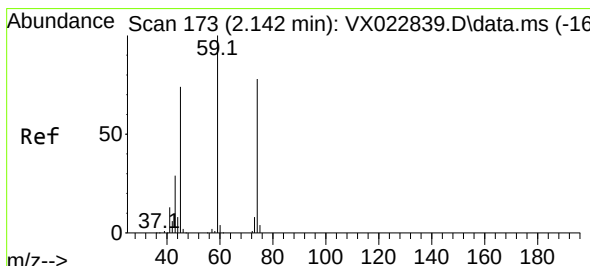
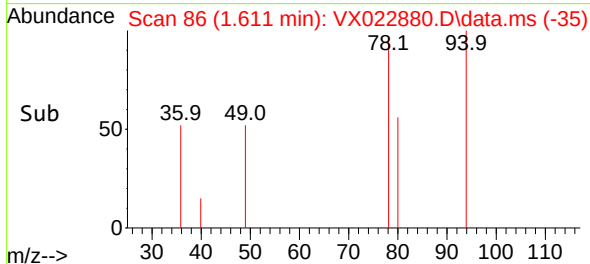
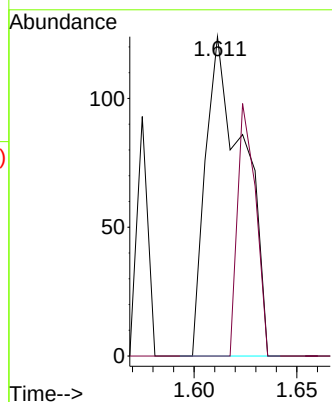
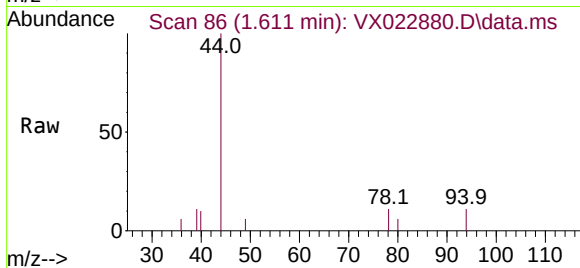




#5
Bromomethane
Concen: 0.41 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

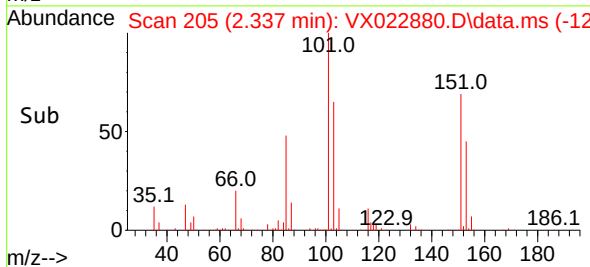
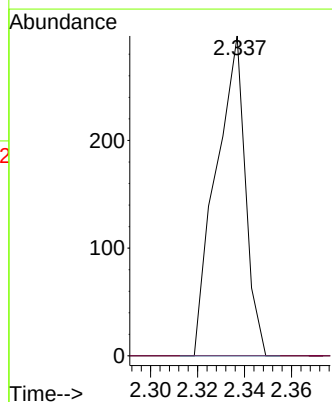
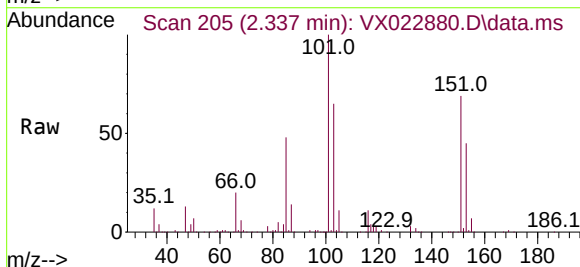
Instrument :
MSVOA_X
ClientSampled :

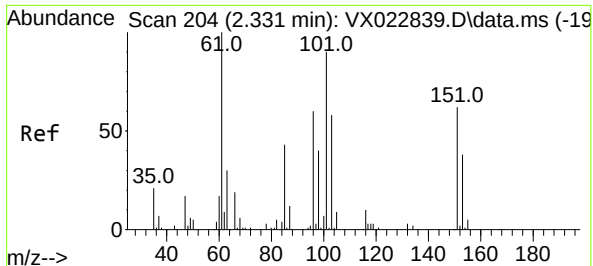
Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#8
Diethyl Ether
Concen: 0.64 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.195 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 74 Resp: 257
Ion Ratio Lower Upper
74 100
45 0.0 44.5 133.5#

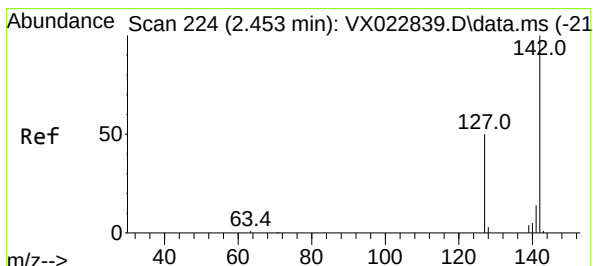
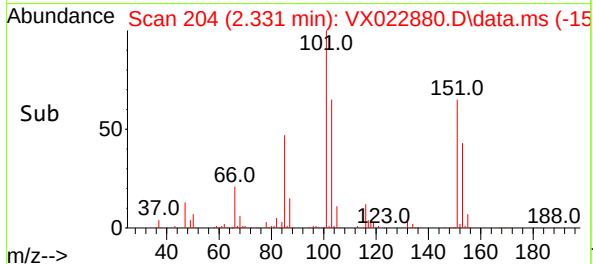
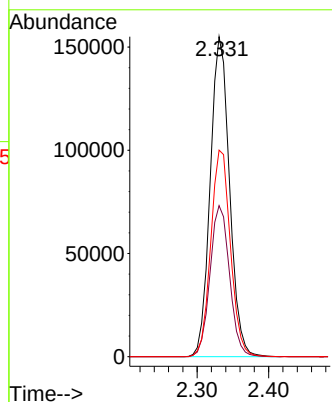
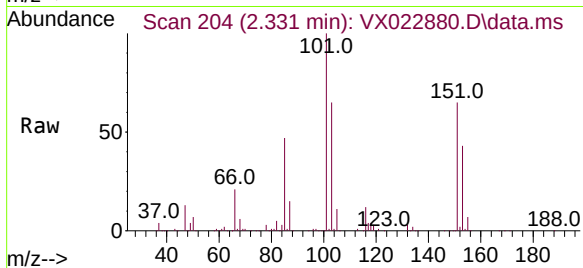




#9
1,1,2-Trichlorotrifluoroethane
Concen: 444.98 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

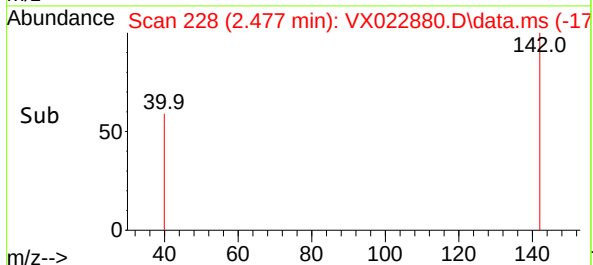
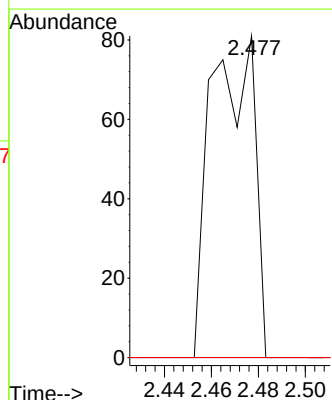
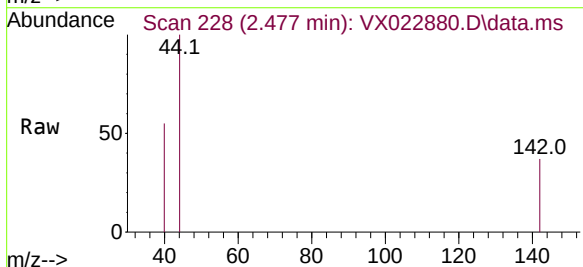
Instrument :
MSVOA_X
ClientSampled :

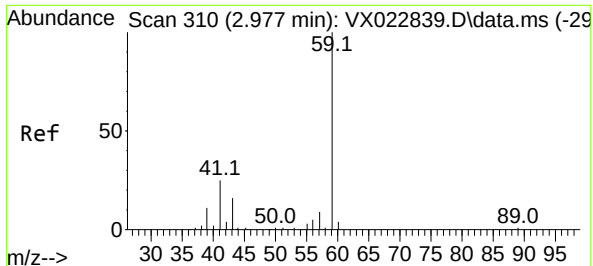
Tgt Ion:101 Resp: 290037
Ion Ratio Lower Upper
101 100
85 47.8 34.9 52.3
151 66.0 61.4 92.2



#10
Methyl Iodide
Concen: 4.00 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion:142 Resp: 104
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



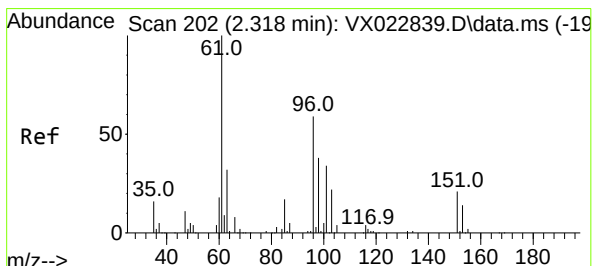
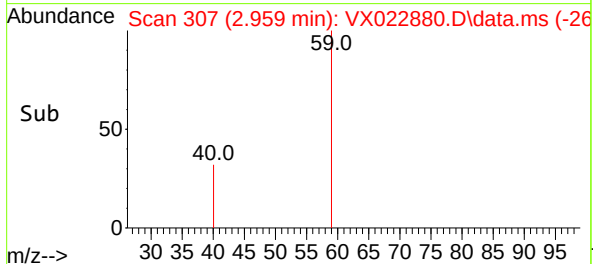
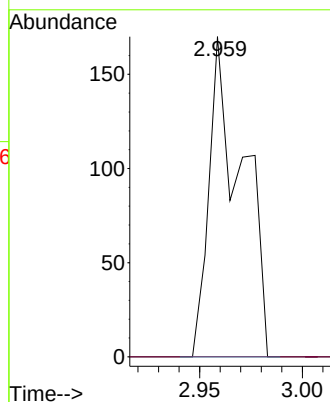
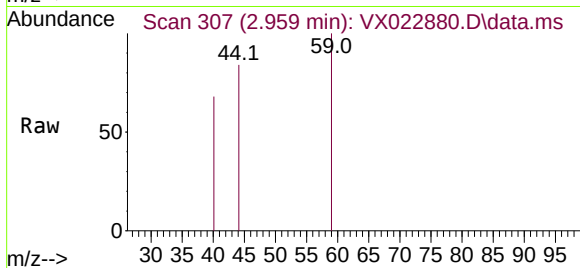


#11

Tert butyl alcohol
Concen: 1.00 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Instrument :
MSVOA_X
ClientSampled :

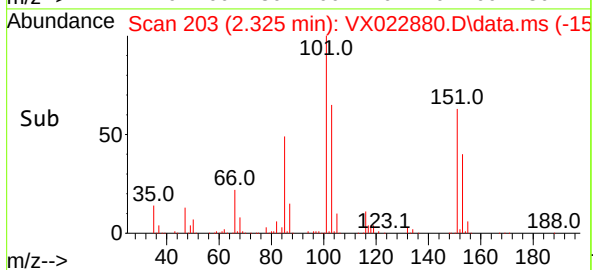
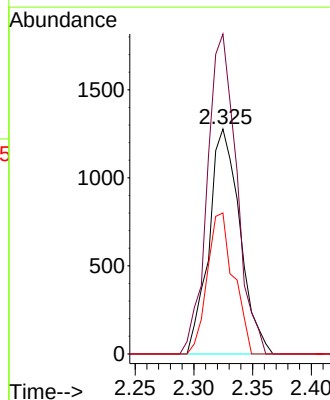
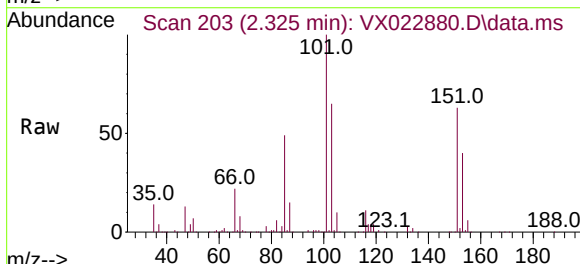
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

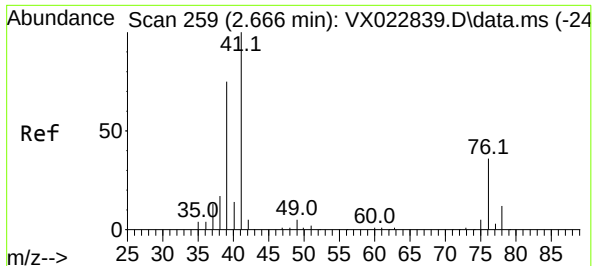


#12

1,1-Dichloroethene
Concen: 3.60 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 96 Resp: 2343
Ion Ratio Lower Upper
96 100
61 142.3 124.6 187.0
98 62.6 50.6 76.0





#14

Allyl chloride

Concen: 0.23 ug/l

RT: 2.550 min Scan# 240

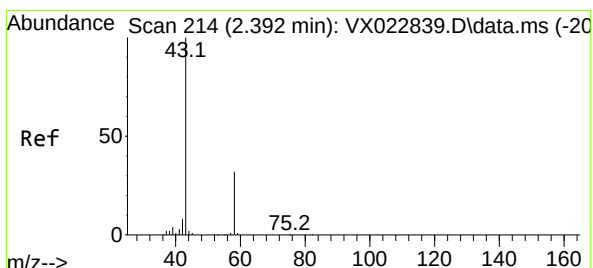
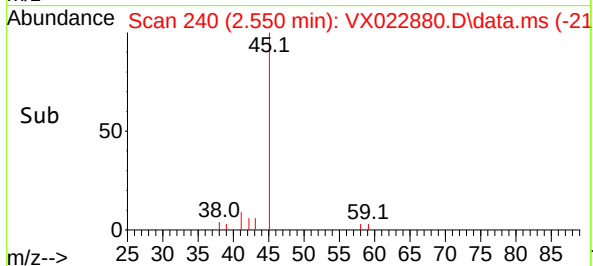
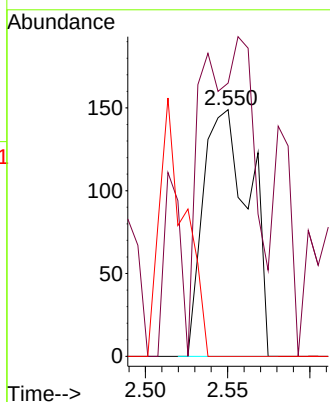
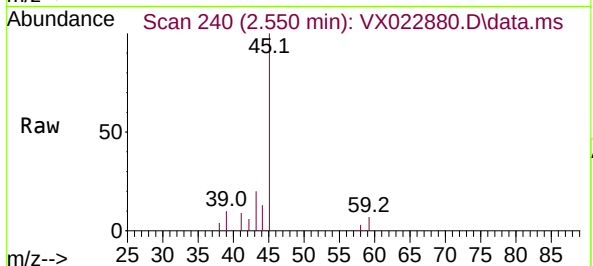
Delta R.T. -0.116 min

Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion: 41	Resp:	290
Ion Ratio	Lower	Upper
41	100	
39	89.7	51.6 77.4#
76	0.0	30.5 45.7#

Instrument :
MSVOA_X
ClientSampled :



#16

Acetone

Concen: 2.95 ug/l

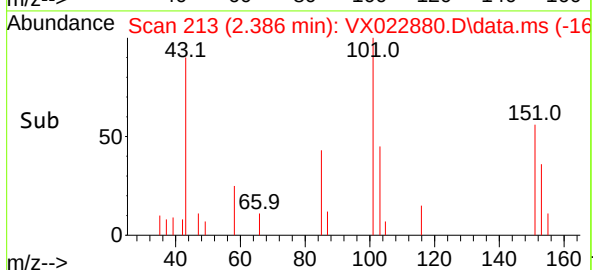
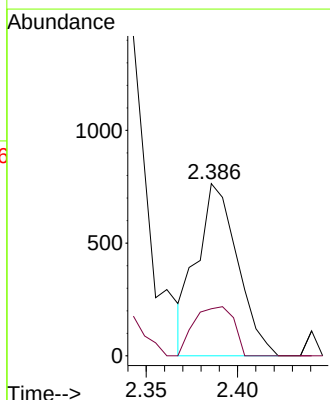
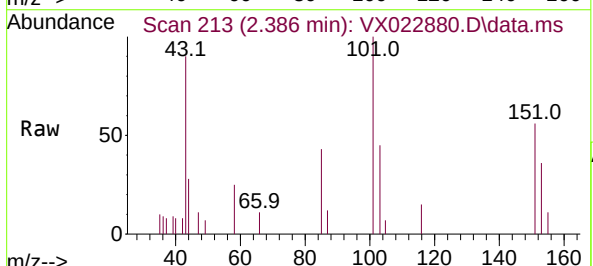
RT: 2.386 min Scan# 213

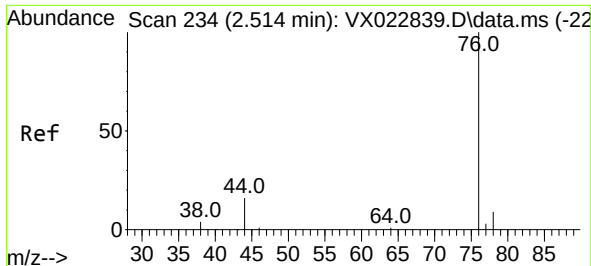
Delta R.T. -0.006 min

Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion: 43	Resp:	1188
Ion Ratio	Lower	Upper
43	100	
58	27.4	27.8 41.8#

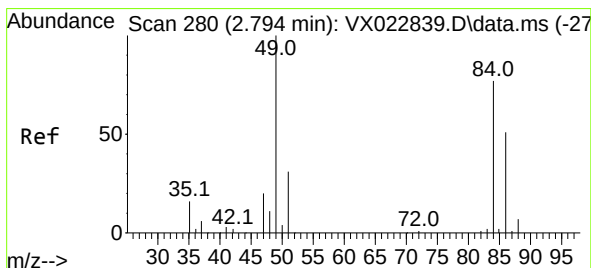
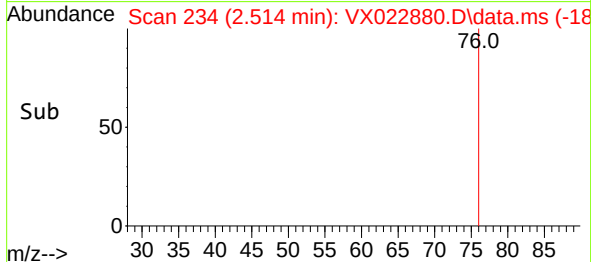
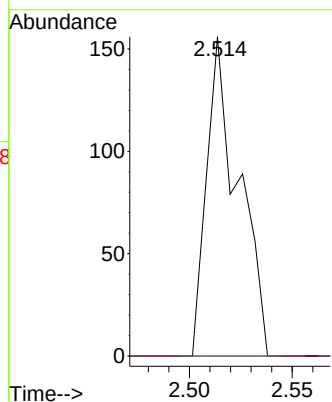
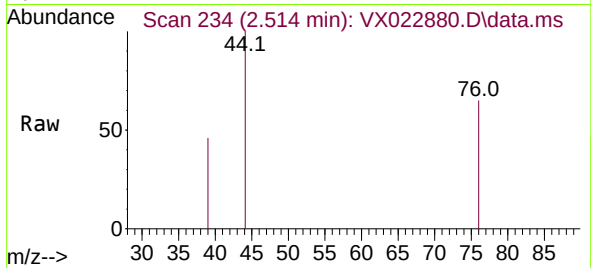




#17
Carbon Disulfide
Concen: 3.60 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

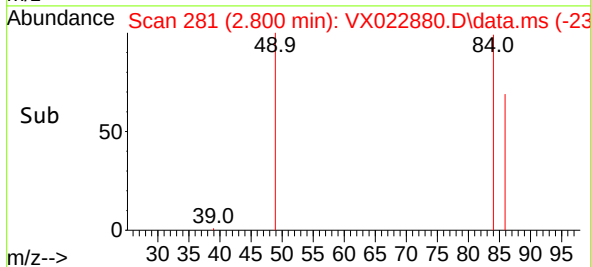
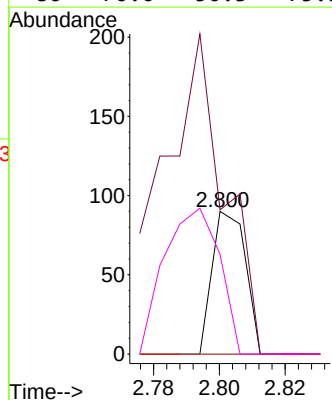
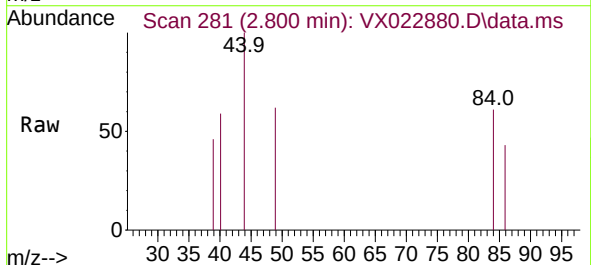
Instrument :
MSVOA_X
ClientSampled :

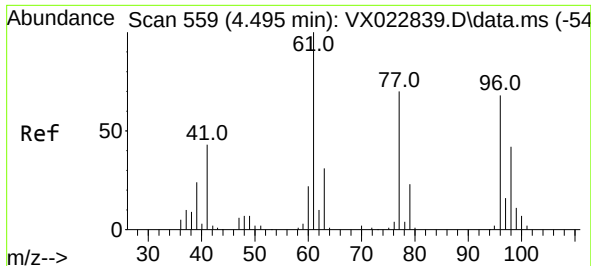
Tgt Ion: 76 Resp: 168
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 84 Resp: 63
Ion Ratio Lower Upper
84 100
49 101.1 88.6 132.8
51 0.0 27.0 40.6#
86 70.0 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 1.21 ug/l

RT: 4.495 min Scan# 559

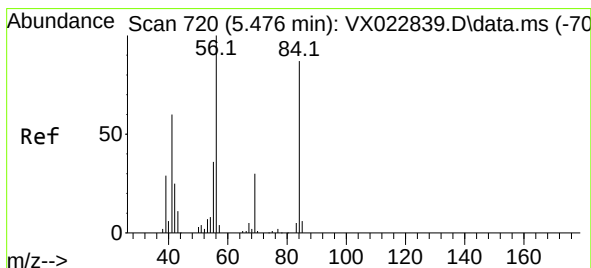
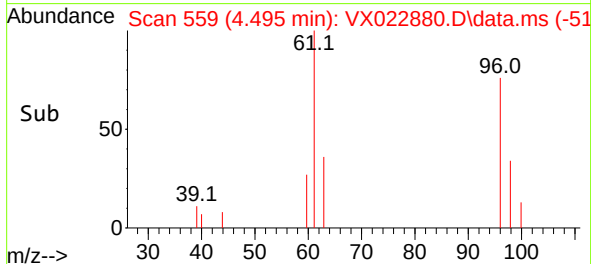
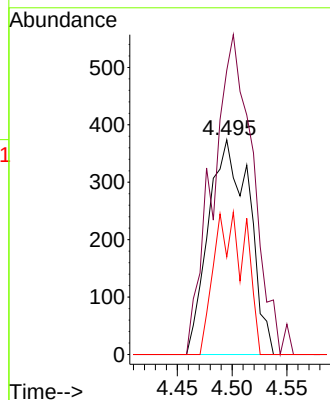
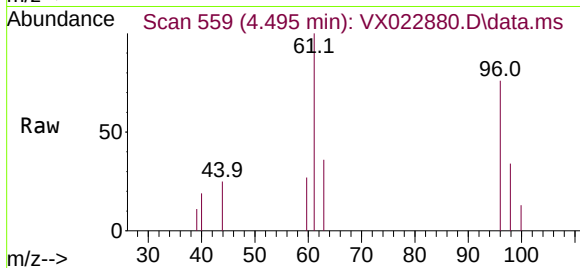
Delta R.T. 0.000 min

Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion: 96 Resp: 968

Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	285.6
98	51.3	0.0	129.6



#31

Cyclohexane

Concen: 1.30 ug/l

RT: 5.556 min Scan# 733

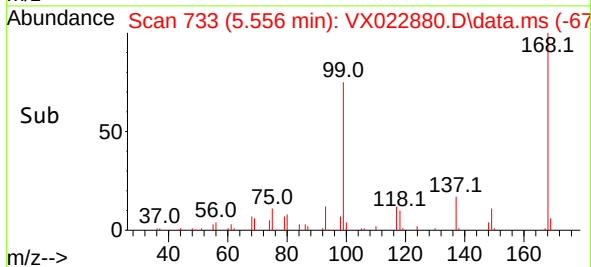
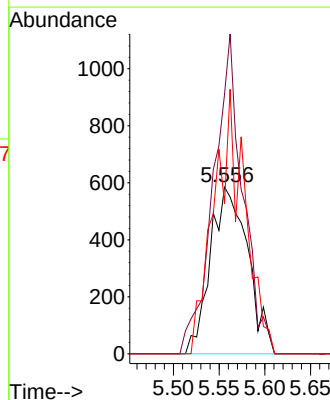
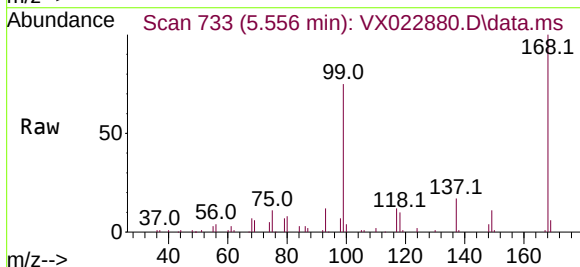
Delta R.T. 0.080 min

Lab File: VX022880.D

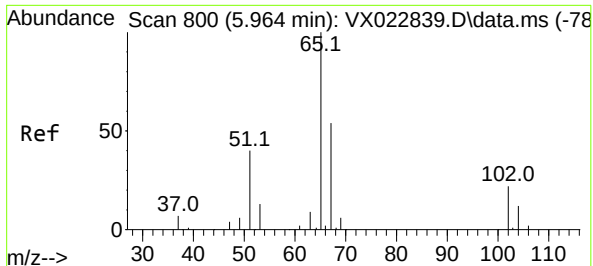
Acq: 24 Jun 2021 20:07

Tgt Ion: 56 Resp: 1668

Ion	Ratio	Lower	Upper
56	100		
69	155.6	25.3	37.9#
84	90.1	71.4	107.0



Instrument :
MSVOA_X
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 54.29 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion: 65 Resp: 49387

Ion Ratio Lower Upper

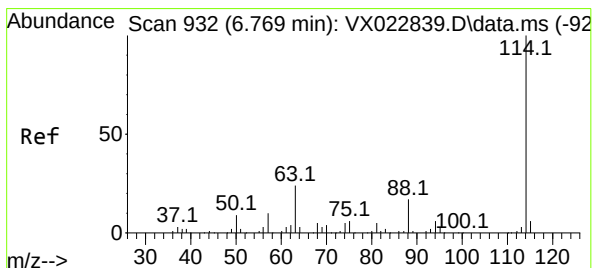
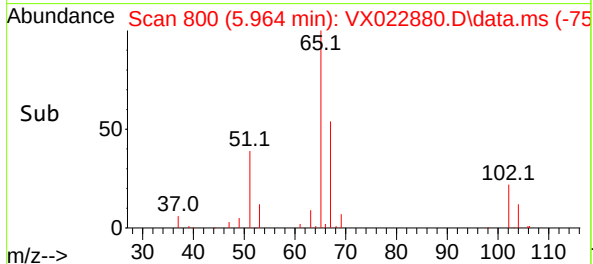
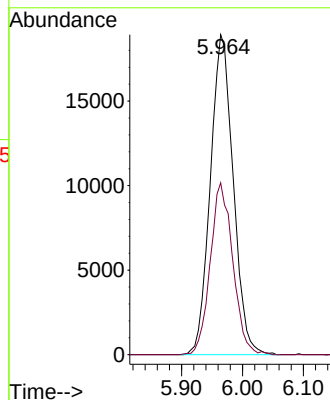
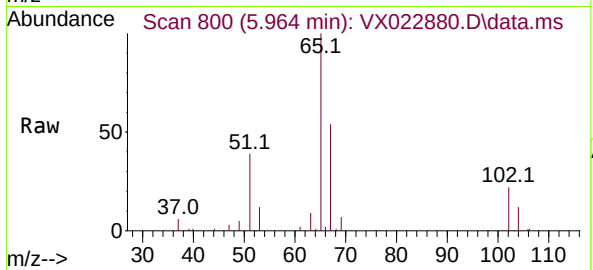
65 100

67 52.8 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

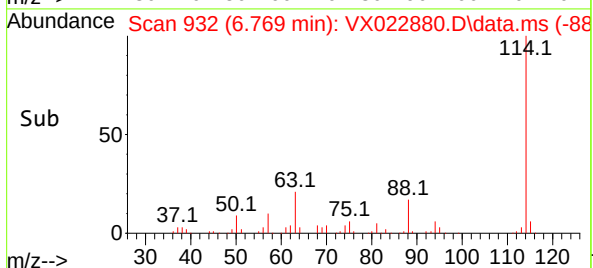
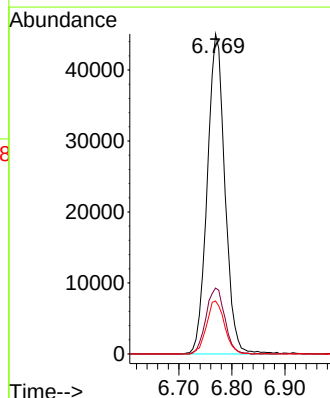
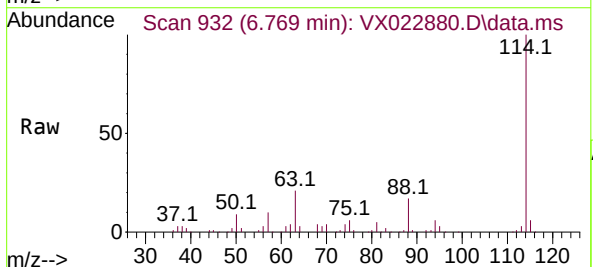
Tgt Ion: 114 Resp: 104179

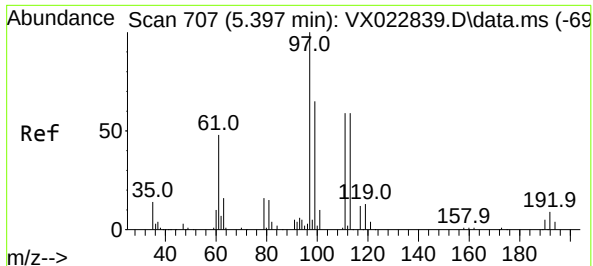
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.09 ug/l

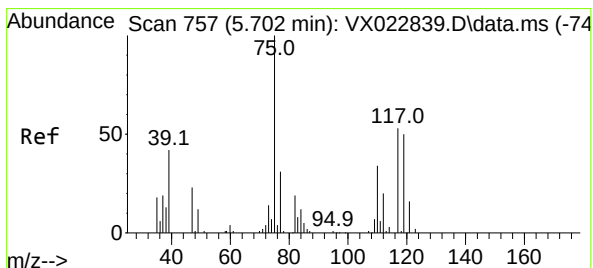
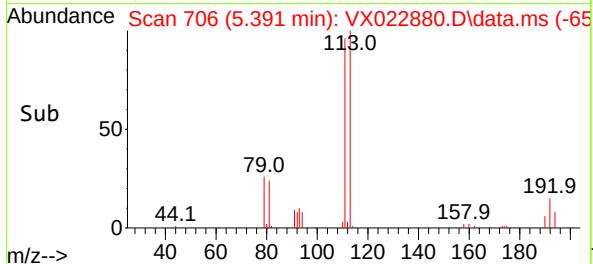
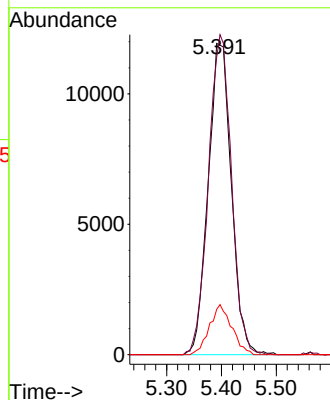
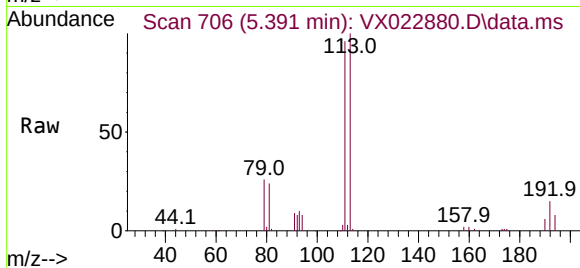
RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion:	113	Resp:	35119
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	15.5	16.7	25.1#



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

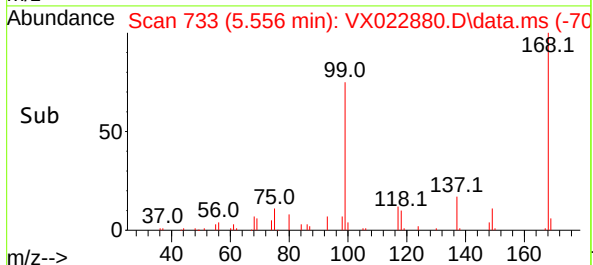
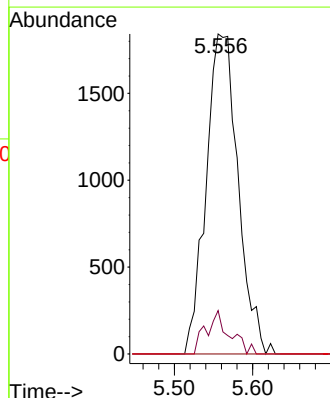
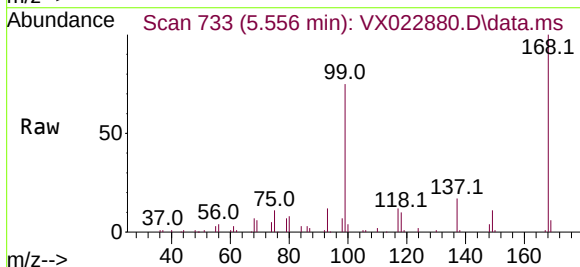
RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

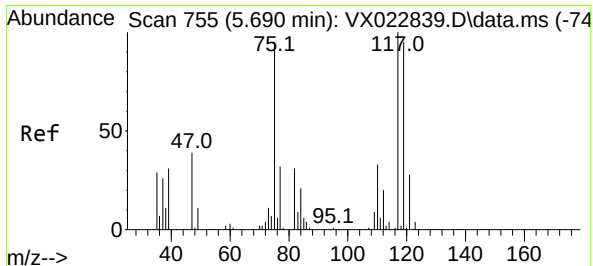
Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion:	75	Resp:	5239
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.4#
77	0.0	25.3	37.9#

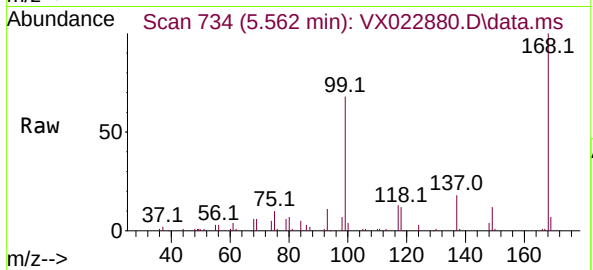


Instrument :
MSVOA_X
ClientSampleId :

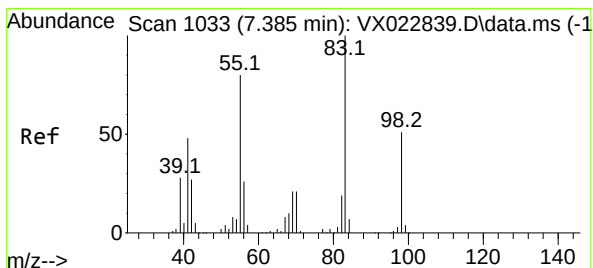
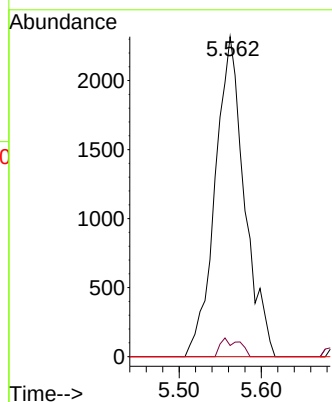
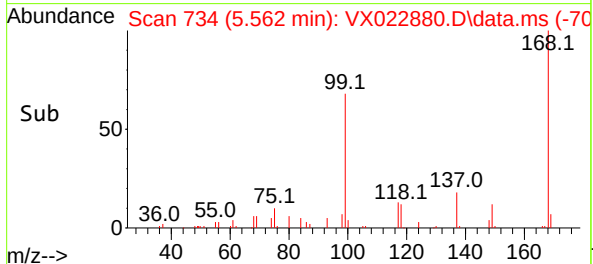


#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

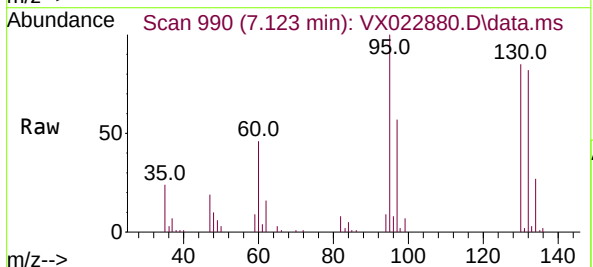
Instrument :
MSVOA_X
ClientSampled :



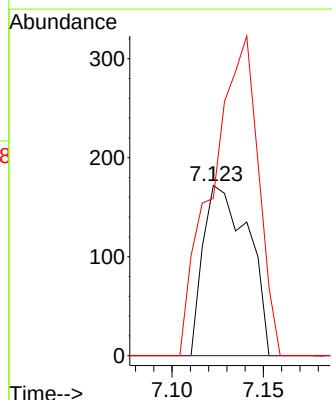
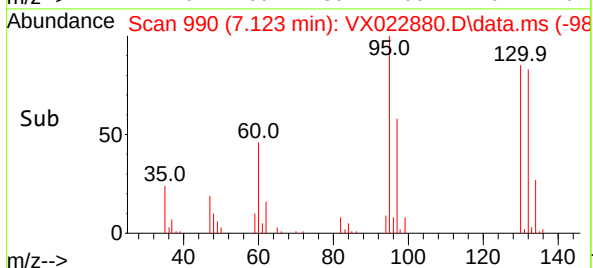
Tgt Ion:117 Resp: 5763
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#

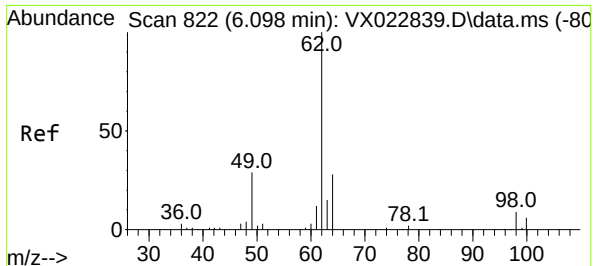


#39
Methylcyclohexane
Concen: 0.23 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07



Tgt Ion: 83 Resp: 295
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 92.4 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.36 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.012 min

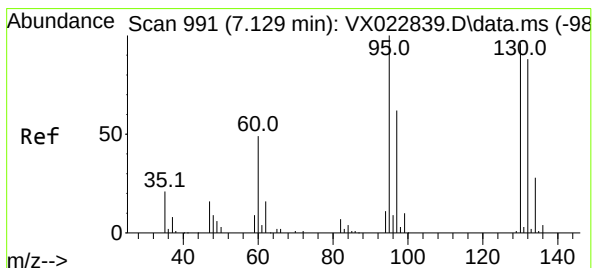
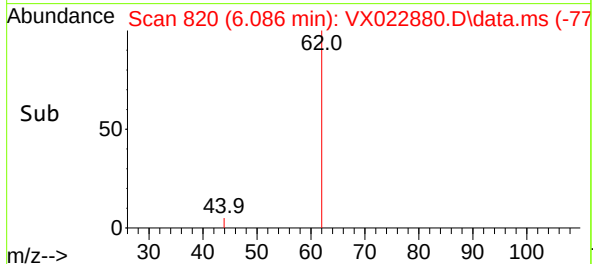
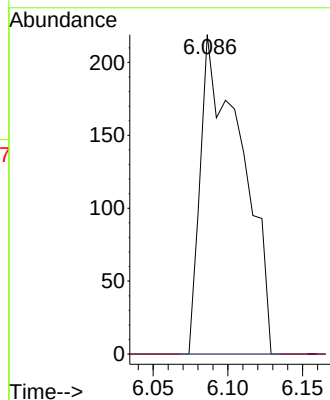
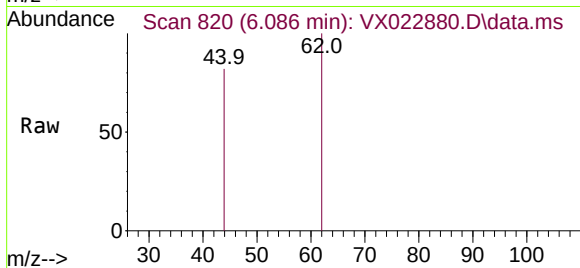
Lab File: VX022880.D

Acq: 24 Jun 2021 20:07

Tgt Ion: 62 Resp: 419

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2



#44

Trichloroethene

Concen: 31.13 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

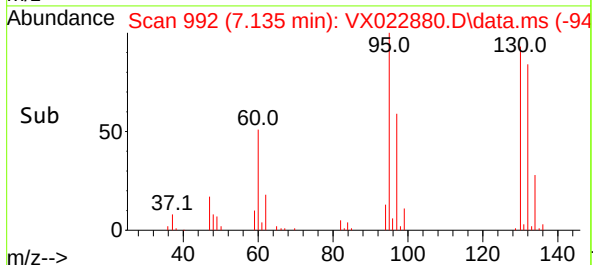
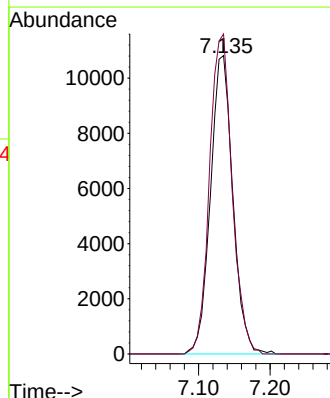
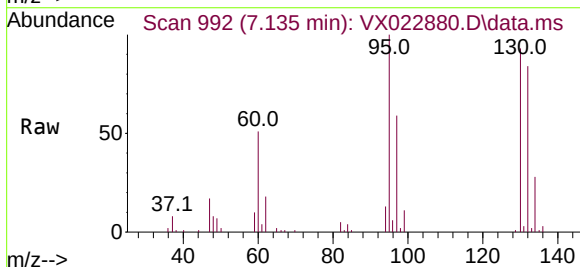
Lab File: VX022880.D

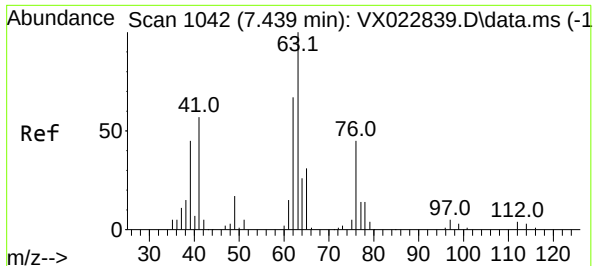
Acq: 24 Jun 2021 20:07

Tgt Ion:130 Resp: 23559

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	198.0



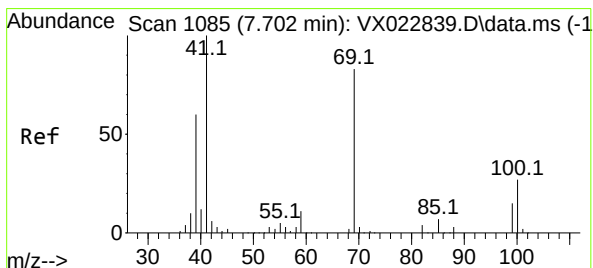
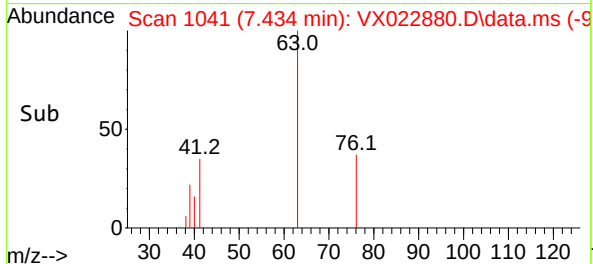
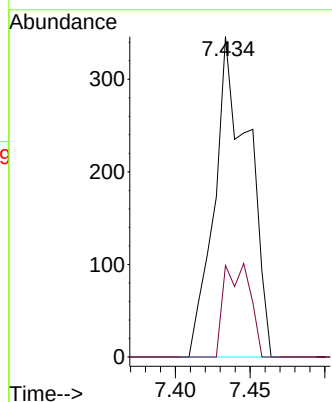
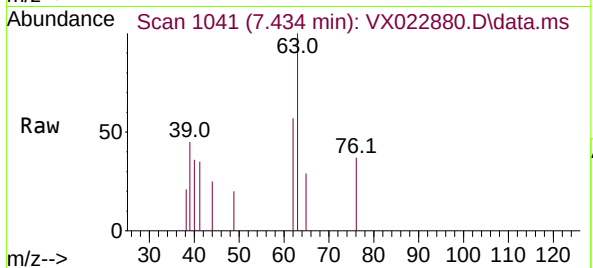


#45

1,2-Dichloropropane
Concen: 0.67 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.005 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Instrument :
MSVOA_X
ClientSampled :

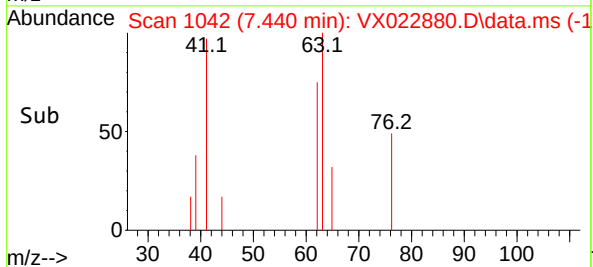
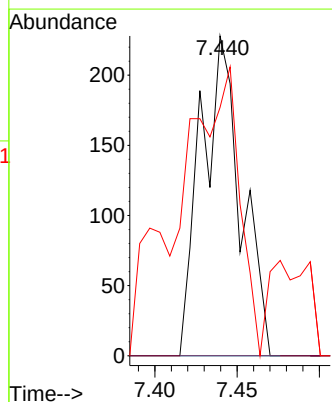
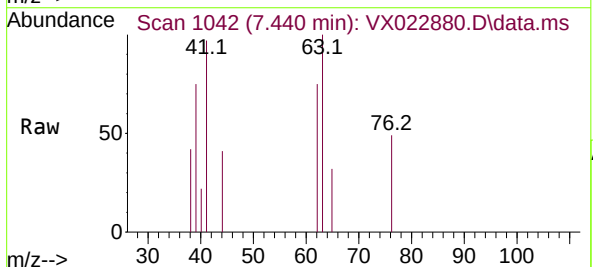
Tgt Ion: 63 Resp: 549
Ion Ratio Lower Upper
63 100
65 28.6 25.7 38.5

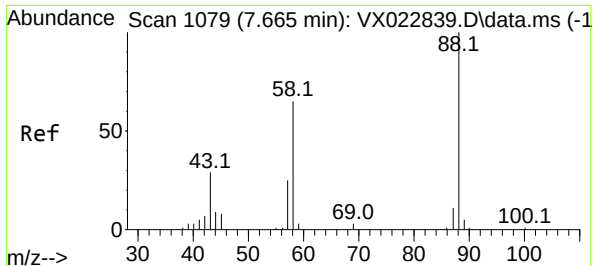


#48

Methyl methacrylate
Concen: 0.41 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. -0.262 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 41 Resp: 387
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 98.7 44.6 67.0#

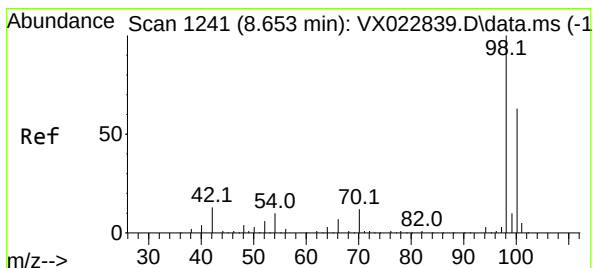
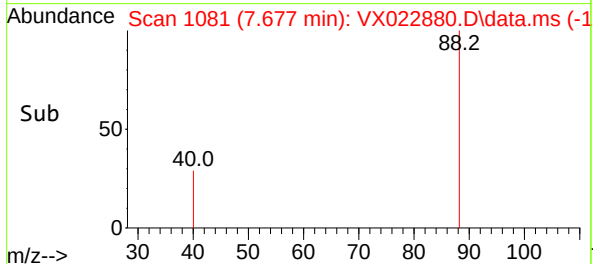
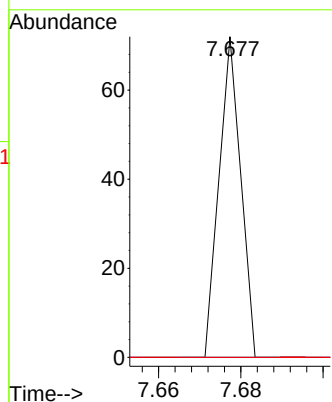
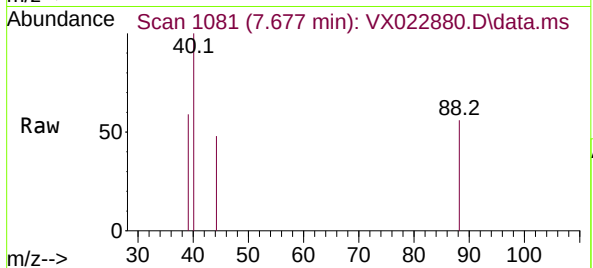




#49
1,4-Dioxane
Concen: 1.27 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

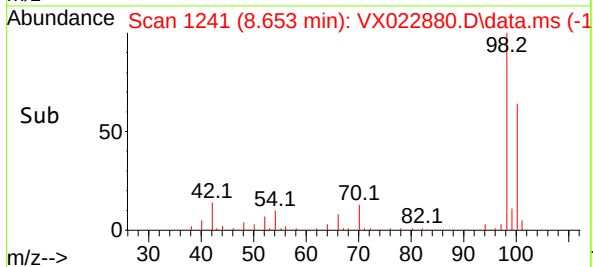
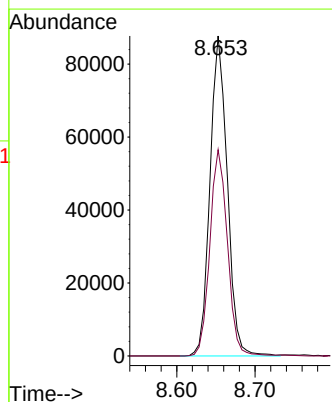
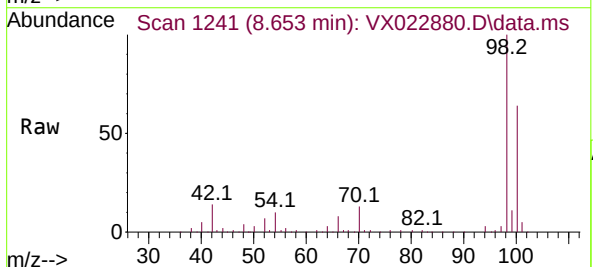
Instrument :
MSVOA_X
ClientSampled :

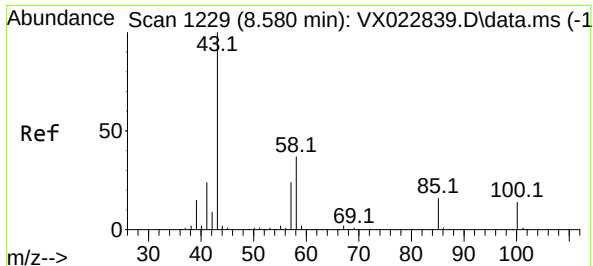
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 51.87 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 98 Resp: 134483
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

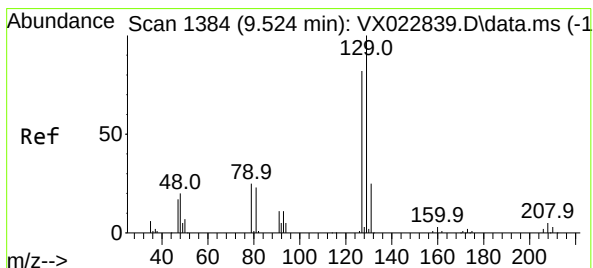
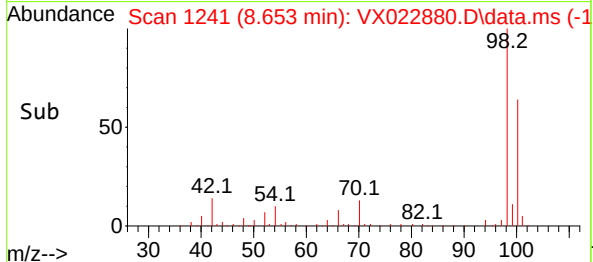
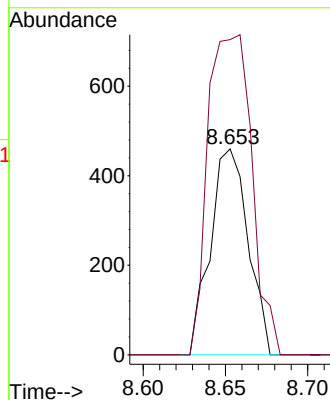
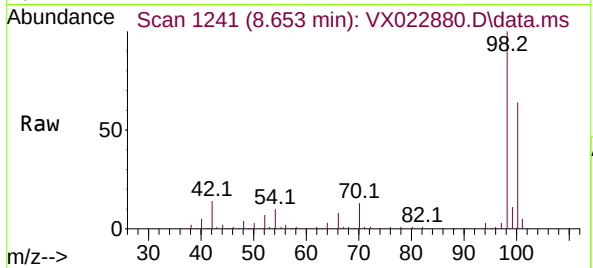




#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

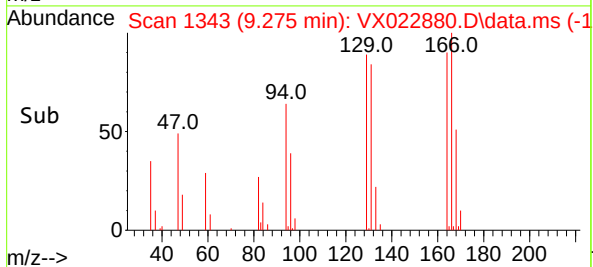
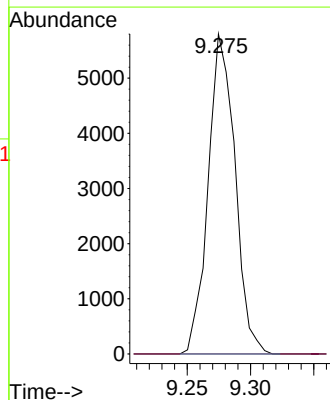
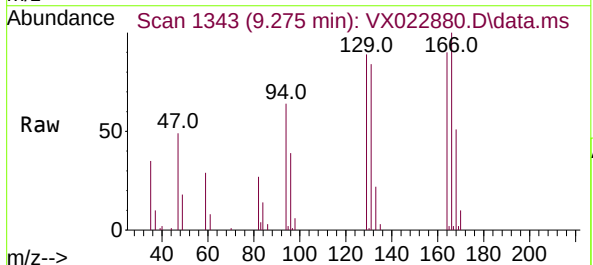
Instrument :
MSVOA_X
ClientSampled :

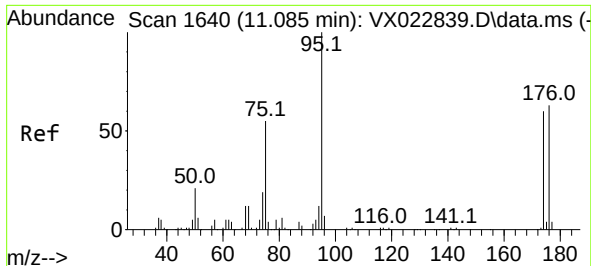
Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
58 180.3 35.4 53.0#



#60
Dibromochloromethane
Concen: 14.13 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 129 Resp: 8569
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

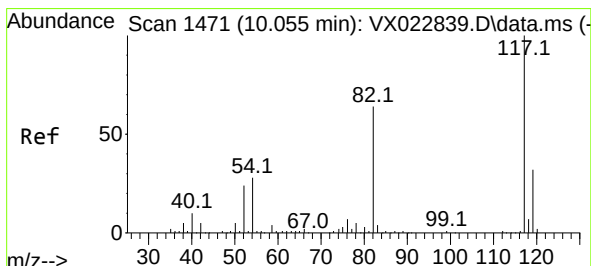
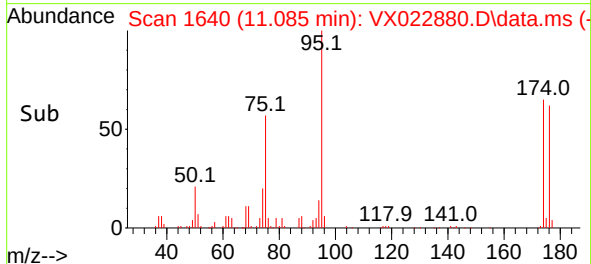
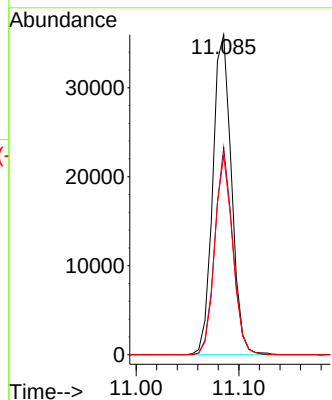
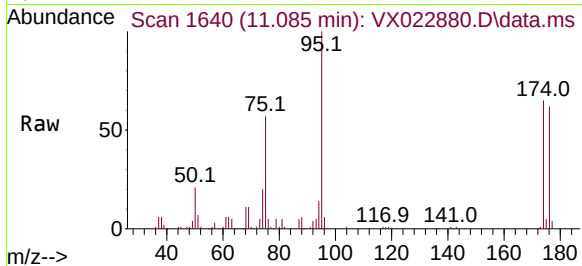




#62
4-Bromofluorobenzene
Concen: 46.83 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

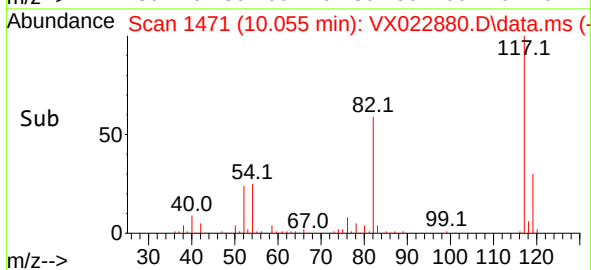
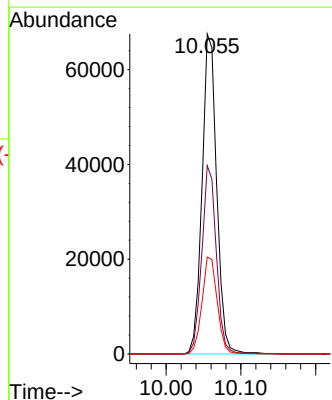
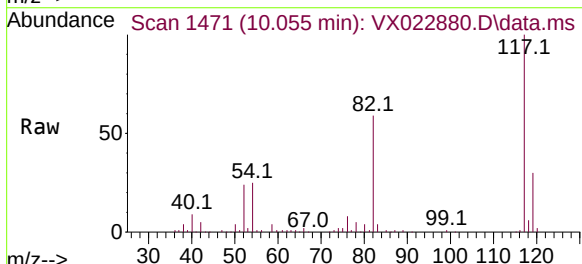
Instrument :
MSVOA_X
ClientSampled :

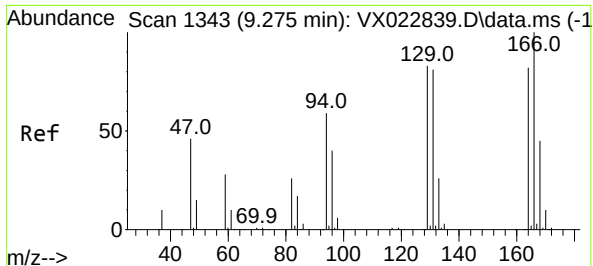
Tgt Ion: 95 Resp: 45311
Ion Ratio Lower Upper
95 100
174 61.6 0.0 154.6
176 59.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 117 Resp: 91882
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 30.3 26.6 39.8



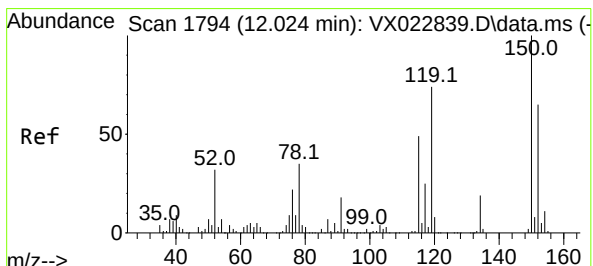
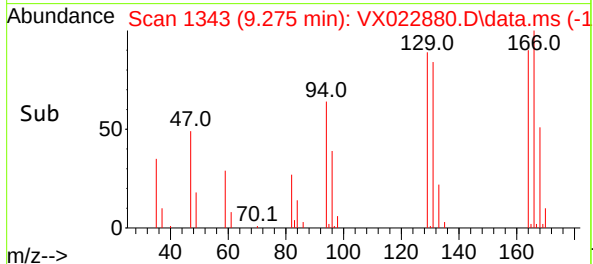
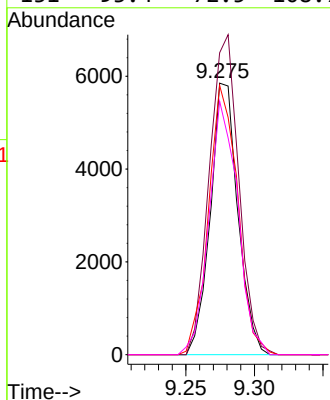
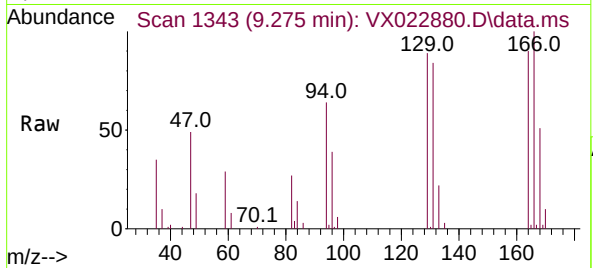


#64
Tetrachloroethene
Concen: 12.66 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:164 Resp: 8173

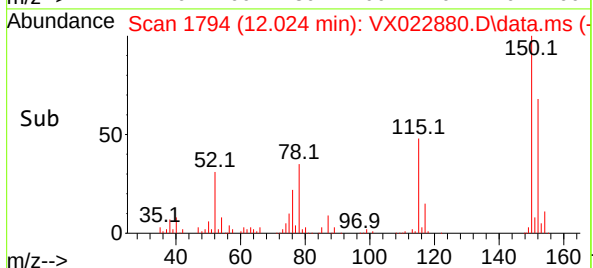
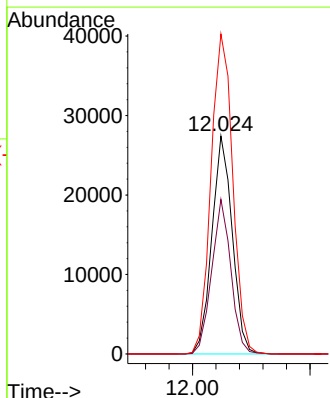
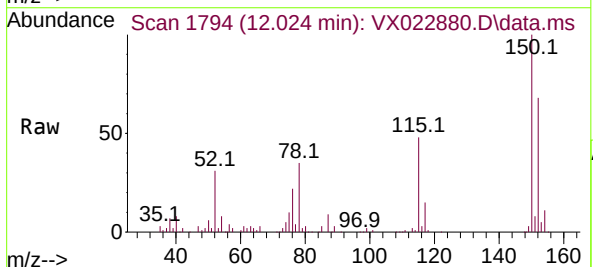
Ion	Ratio	Lower	Upper
164	100		
166	111.2	103.4	155.2
129	99.2	70.8	106.2
131	93.4	72.5	108.7

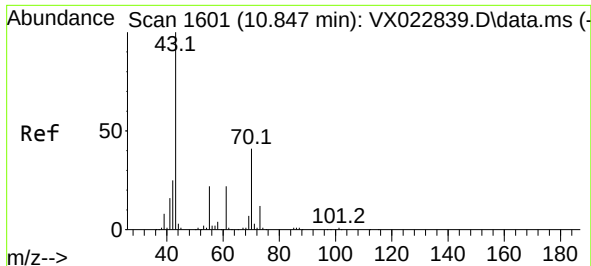


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion:152 Resp: 33054

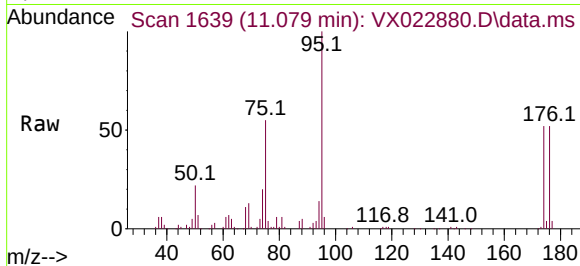
Ion	Ratio	Lower	Upper
152	100		
115	66.9	41.1	123.3
150	156.5	0.0	349.0



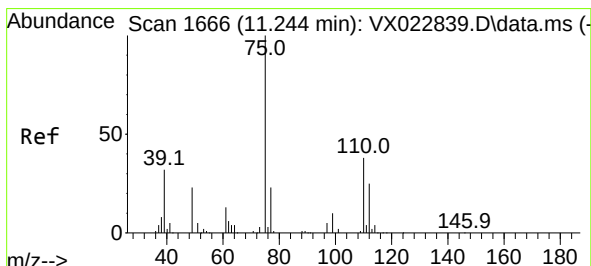
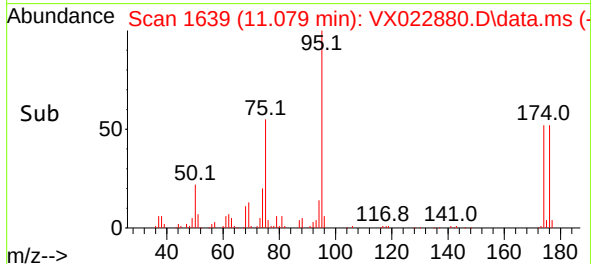
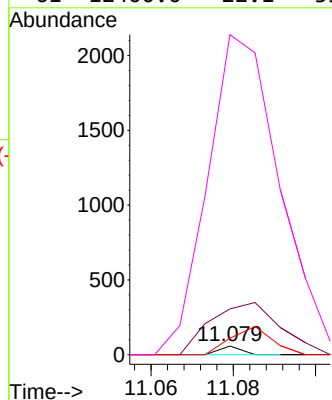


#74
N-amy1 acetate
Concen: 2.07 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.232 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Instrument :
MSVOA_X
ClientSampled :

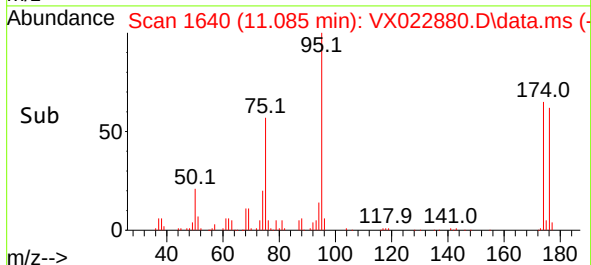
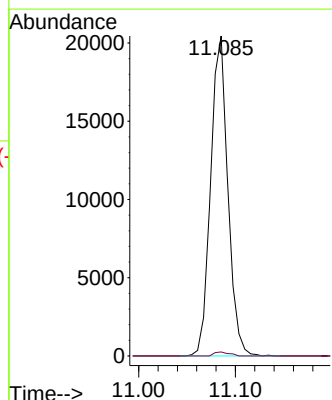
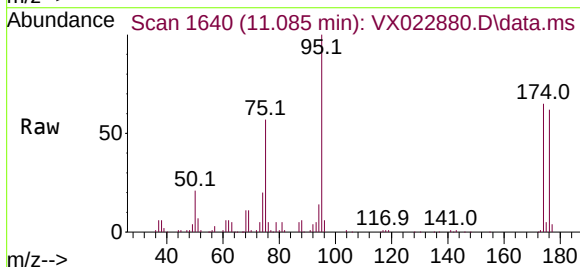


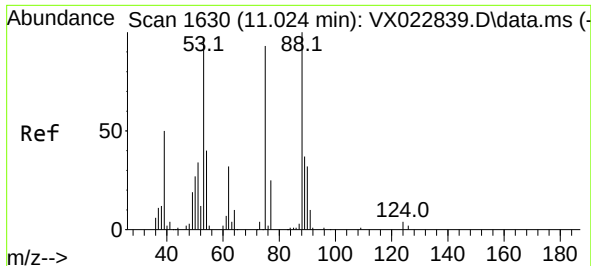
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
70 1957.1 39.0 58.6#
55 623.8 21.5 32.3#
61 12400.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.99 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 75 Resp: 25310
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

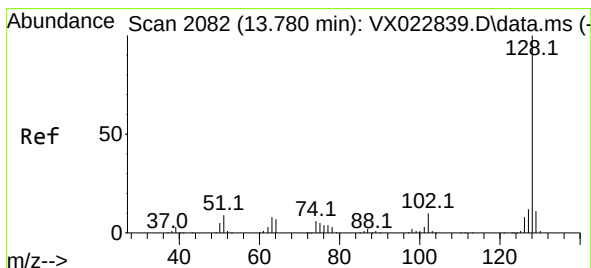
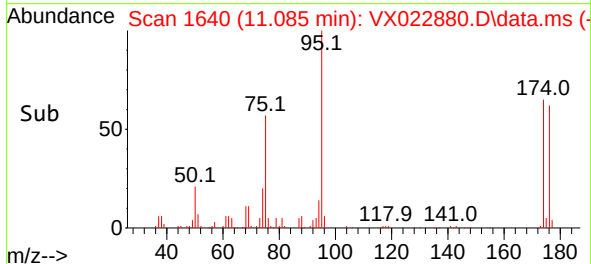
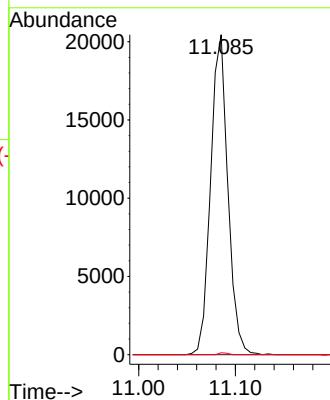
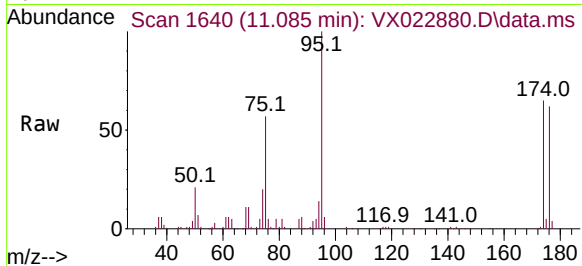




#81
trans-1,4-Dichloro-2-butene
Concen: 74.62 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 25310
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.3 37.9 56.9#



#95
Naphthalene
Concen: 1.95 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022880.D
Acq: 24 Jun 2021 20:07

Tgt Ion: 128 Resp: 79
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

