

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022878.D
 Acq On : 24 Jun 2021 19:20
 Operator : JC/MD
 Sample : M2803-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 05:39:53 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)

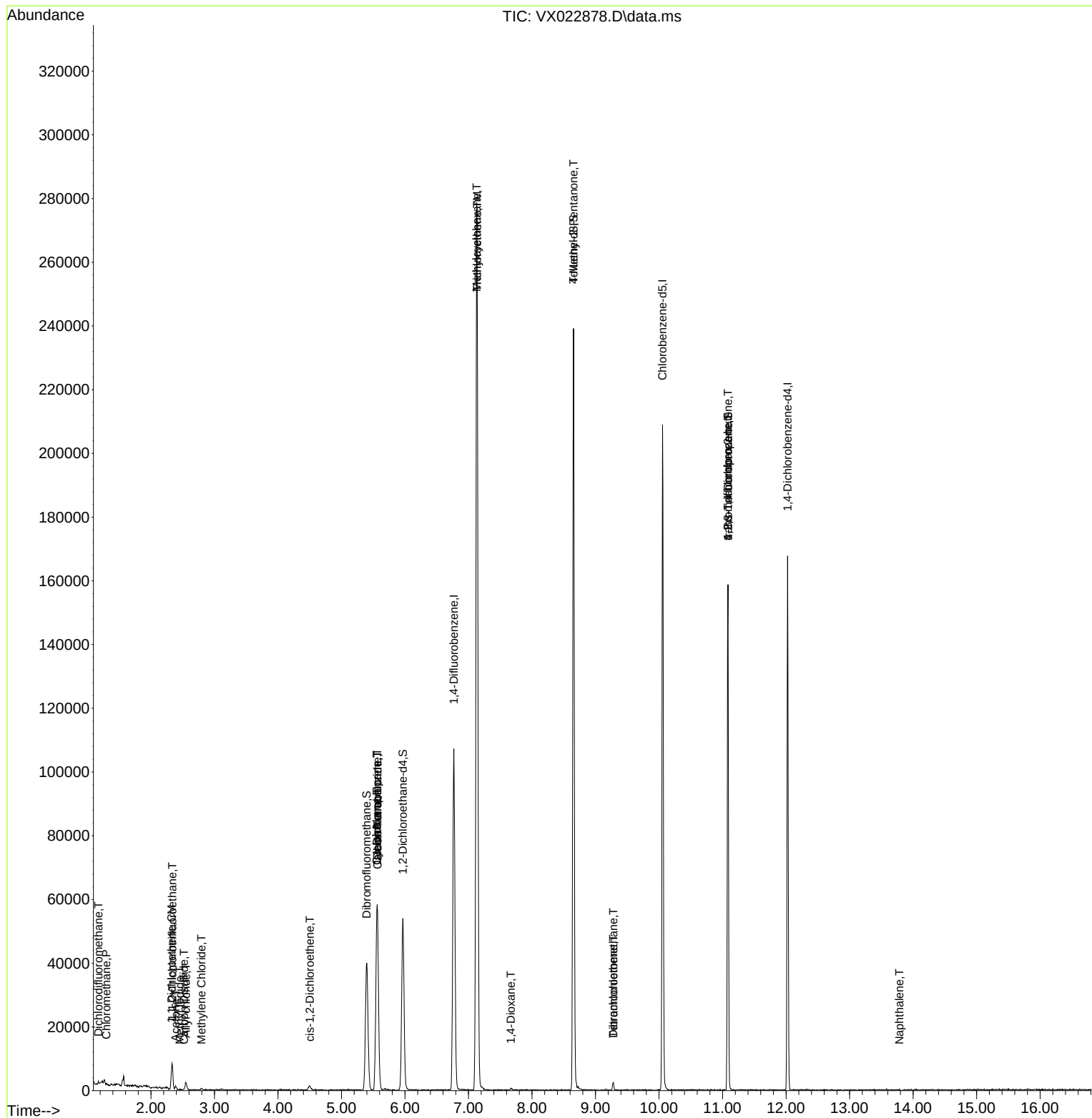
Internal Standards						
1) Pentafluorobenzene	5.562	168	49481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	101860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	88917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	30469	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49121	54.70	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.40%			
35) Dibromofluoromethane	5.397	113	33484	51.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.54%			
50) Toluene-d8	8.653	98	135142	53.31	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.62%			
62) 4-Bromofluorobenzene	11.085	95	42319	44.73	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.46%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	259	0.37	ug/l #	54
3) Chloromethane	1.294	50	166	0.22	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.337	101	3114	4.84	ug/l	88
10) Methyl Iodide	2.453	142	171	4.08	ug/l #	42
12) 1,1-Dichloroethene	2.325	96	492	0.77	ug/l #	57
14) Allyl chloride	2.550	41	258	0.21	ug/l #	1
16) Acetone	2.386	43	1144	2.87	ug/l	97
17) Carbon Disulfide	2.520	76	172	3.61	ug/l #	75
20) Methylene Chloride	2.794	84	160	0.57	ug/l #	67
27) cis-1,2-Dichloroethene	4.501	96	870	1.10	ug/l	86
31) Cyclohexane	5.556	56	1471	1.16	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	5281	4.88	ug/l #	48
38) Carbon Tetrachloride	5.568	117	5845	6.44	ug/l #	15
39) Methylcyclohexane	7.129	83	1373	1.09	ug/l #	1
44) Trichloroethene	7.135	130	96042	129.81	ug/l	94
49) 1,4-Dioxane	7.665	88	443	22.07	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	784	0.63	ug/l #	1
60) Dibromochloromethane	9.281	129	391	4.14	ug/l #	11
64) Tetrachloroethene	9.281	164	412	0.66	ug/l #	70
76) 1,2,3-Trichloropropane	11.085	75	23849	29.63	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	23849	76.13	ug/l #	12
95) Naphthalene	13.786	128	117	1.97	ug/l #	69

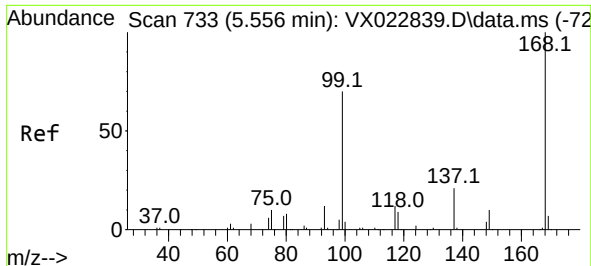
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 25 05:39:53 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

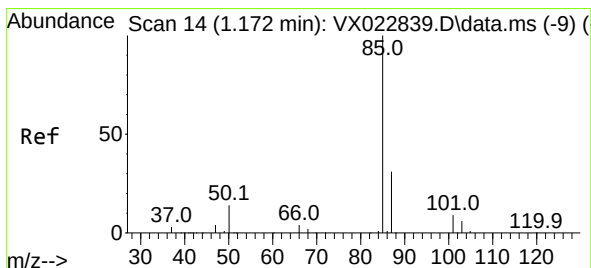
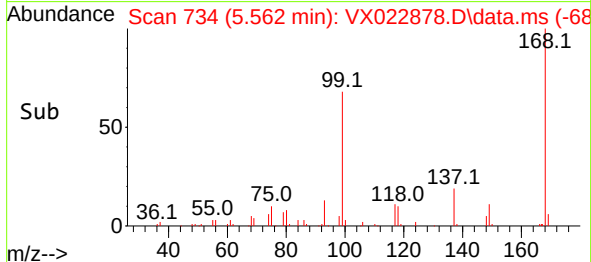
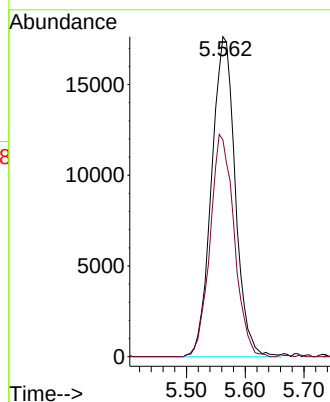
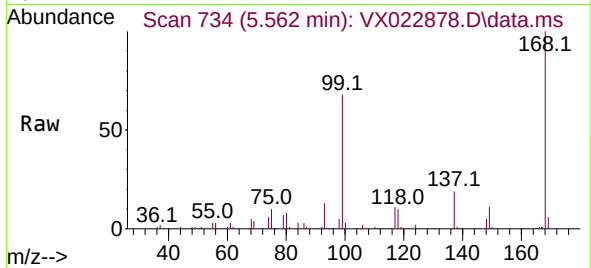




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

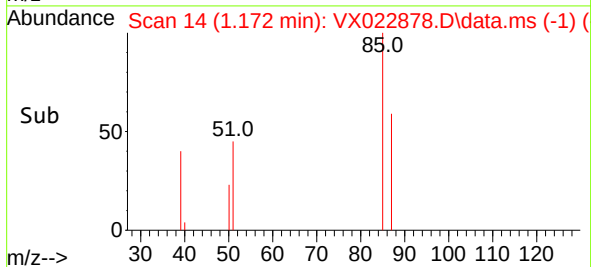
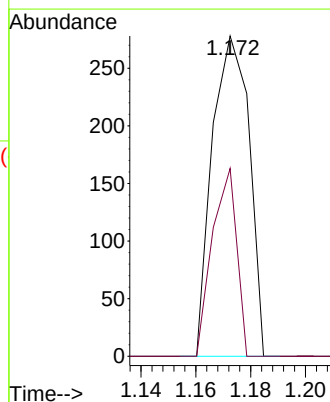
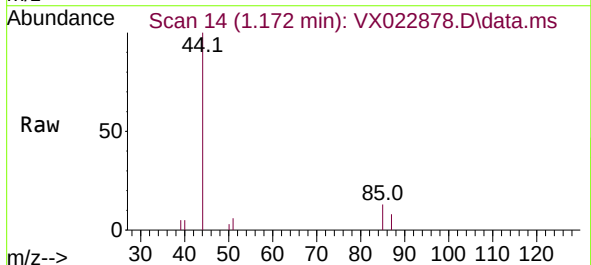
Instrument :
MSVOA_X
ClientSampled :

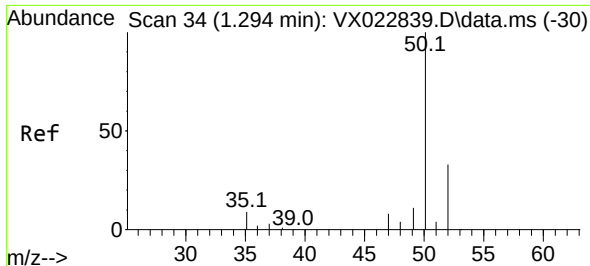
Tgt Ion:168 Resp: 49481
Ion Ratio Lower Upper
168 100
99 67.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.37 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 85 Resp: 259
Ion Ratio Lower Upper
85 100
87 58.6 16.4 49.2#

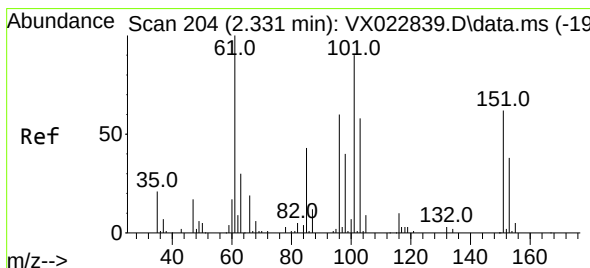
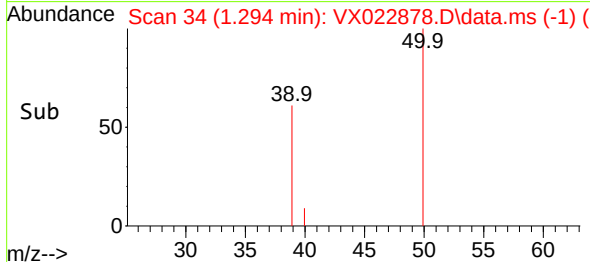
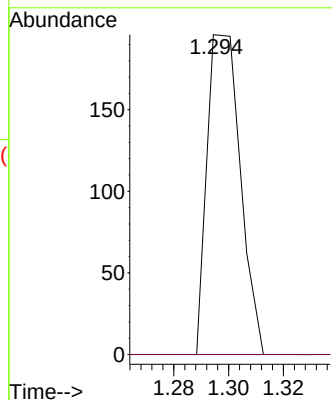
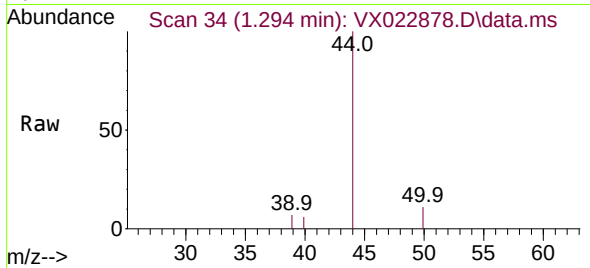




#3
Chloromethane
Concen: 0.22 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

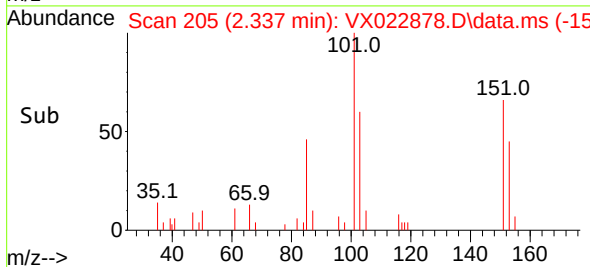
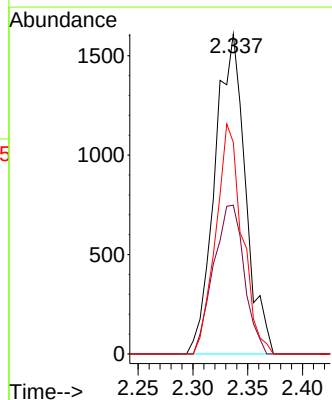
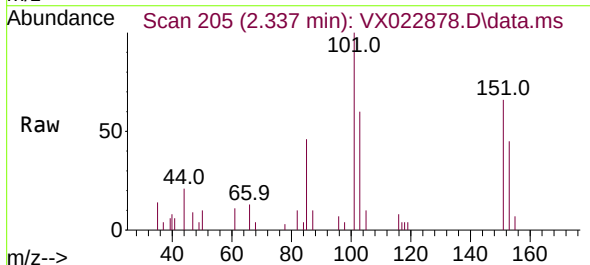
Instrument :
MSVOA_X
ClientSampled :

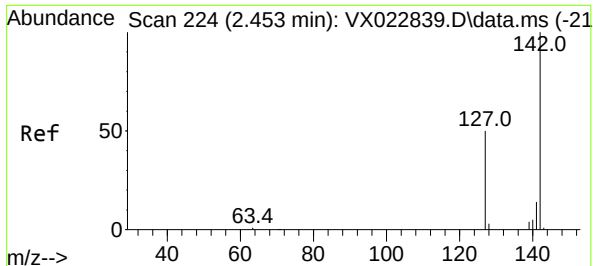
Tgt Ion: 50 Resp: 166
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.84 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 101 Resp: 3114
Ion Ratio Lower Upper
101 100
85 46.8 34.9 52.3
151 62.6 61.4 92.2

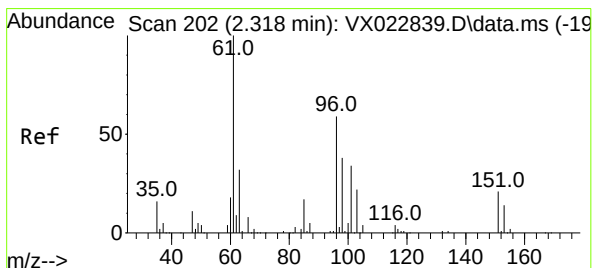
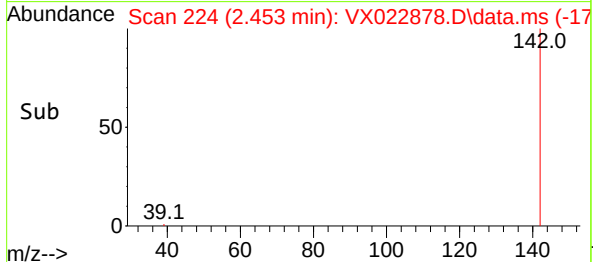
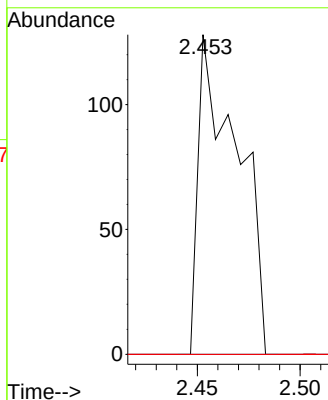
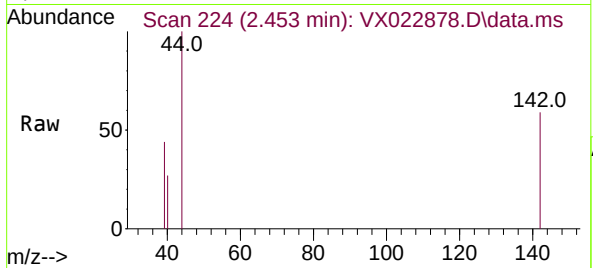




#10
Methyl Iodide
Concen: 4.08 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

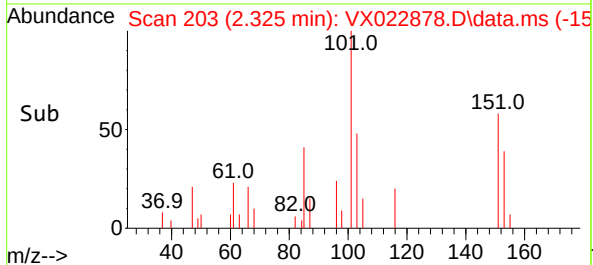
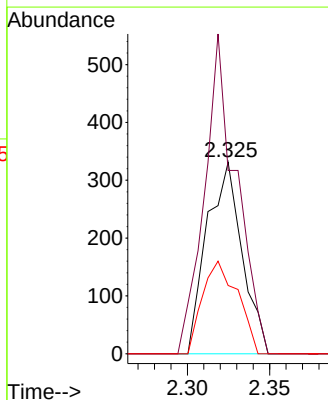
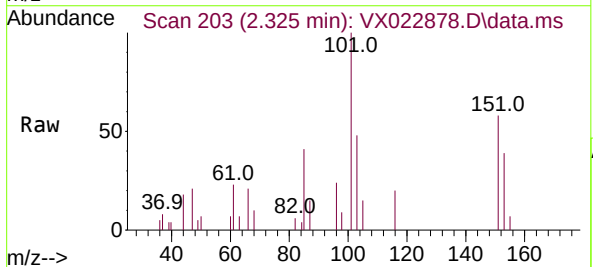
Instrument :
MSVOA_X
ClientSampled :

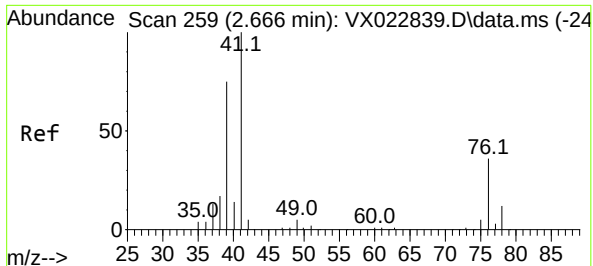
Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 0.77 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 96 Resp: 492
Ion Ratio Lower Upper
96 100
61 95.8 124.6 187.0#
98 35.6 50.6 76.0#





#14

Allyl chloride

Concen: 0.21 ug/l

RT: 2.550 min Scan# 240

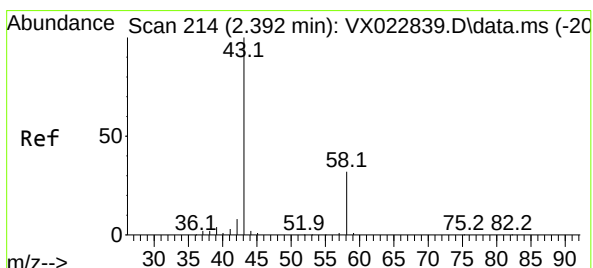
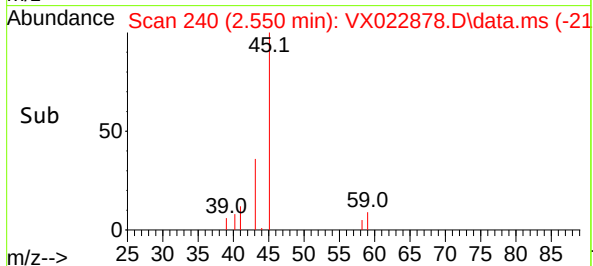
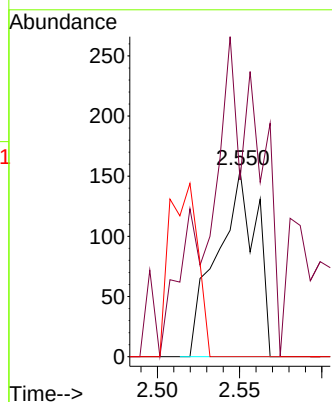
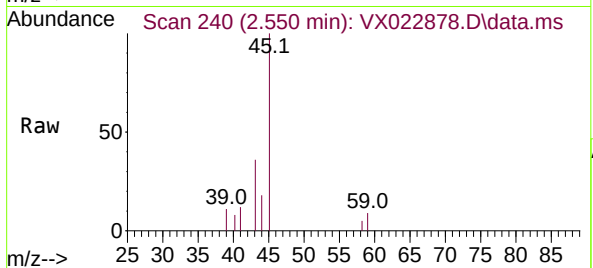
Delta R.T. -0.116 min

Lab File: VX022878.D

Acq: 24 Jun 2021 19:20

Tgt Ion:	41	Resp:	258
Ion	Ratio	Lower	Upper
41	100		
39	224.0	51.6	77.4#
76	0.0	30.5	45.7#

Instrument :
MSVOA_X
ClientSampled :



#16

Acetone

Concen: 2.87 ug/l

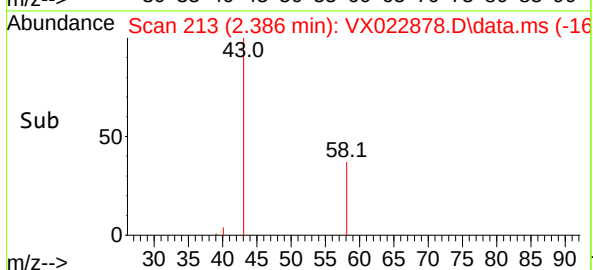
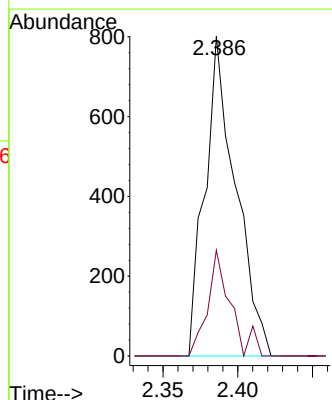
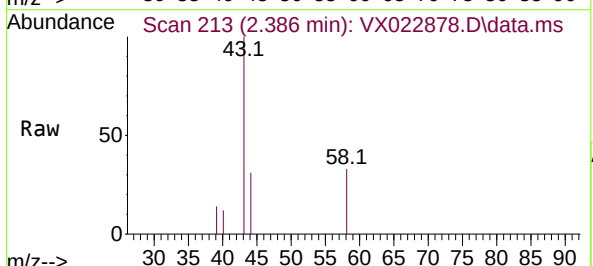
RT: 2.386 min Scan# 213

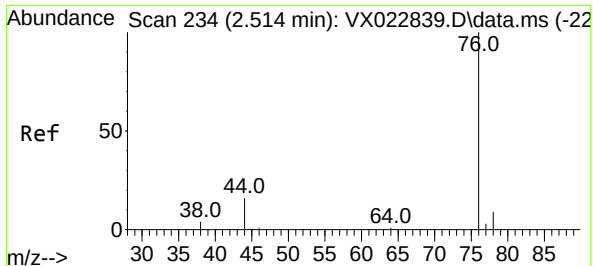
Delta R.T. -0.006 min

Lab File: VX022878.D

Acq: 24 Jun 2021 19:20

Tgt Ion:	43	Resp:	1144
Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.8	41.8

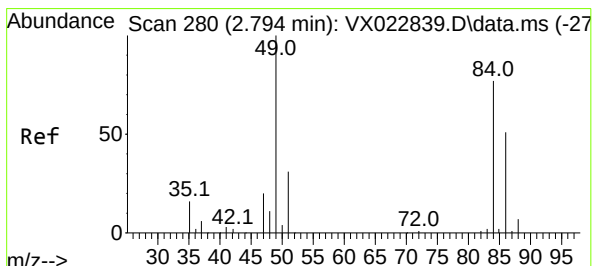
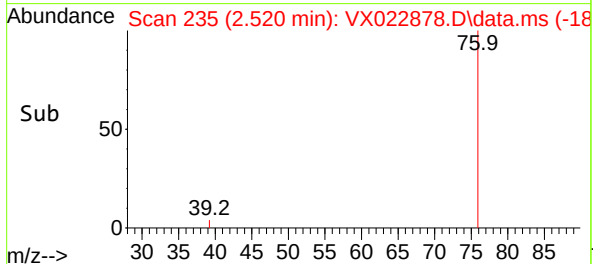
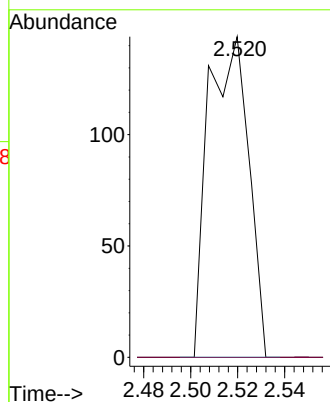
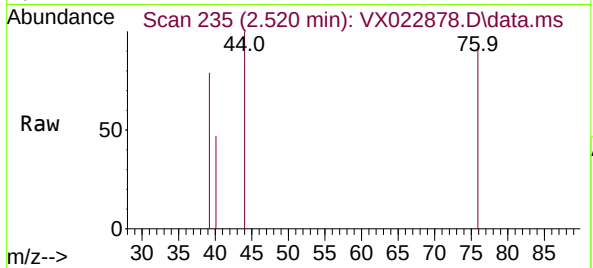




#17
Carbon Disulfide
Concen: 3.61 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

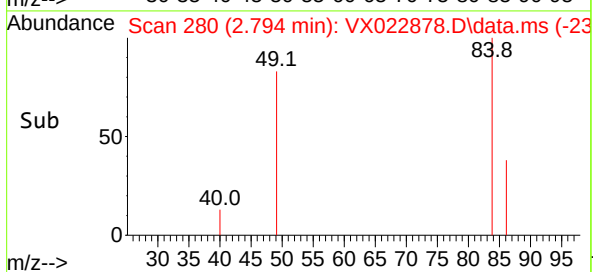
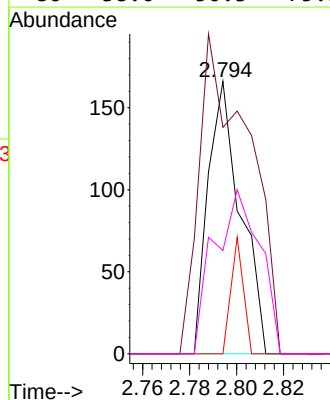
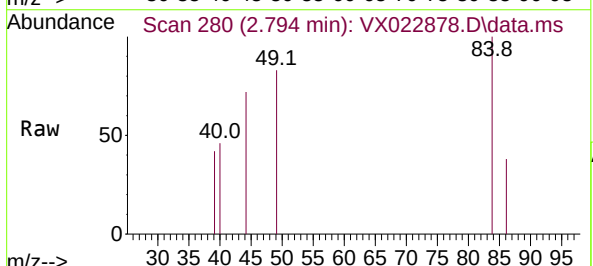
Instrument :
MSVOA_X
ClientSampled :

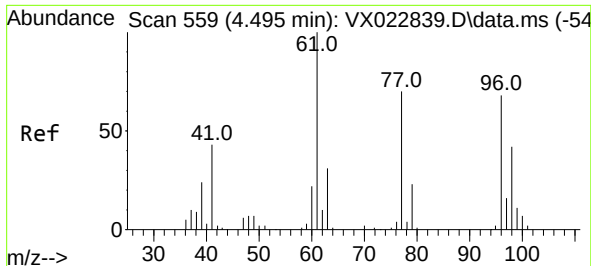
Tgt Ion: 76 Resp: 172
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.57 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 84 Resp: 160
Ion Ratio Lower Upper
84 100
49 83.1 88.6 132.8#
51 0.0 27.0 40.6#
86 38.0 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 1.10 ug/l

RT: 4.501 min Scan# 560

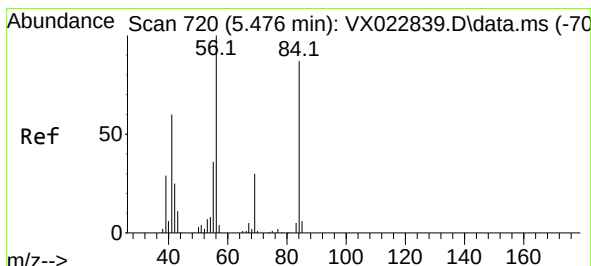
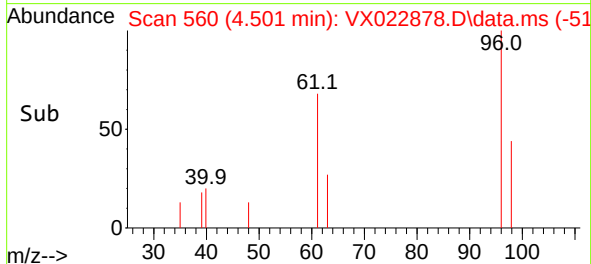
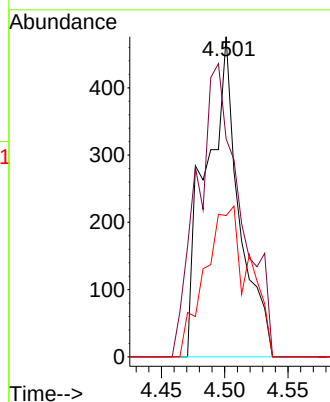
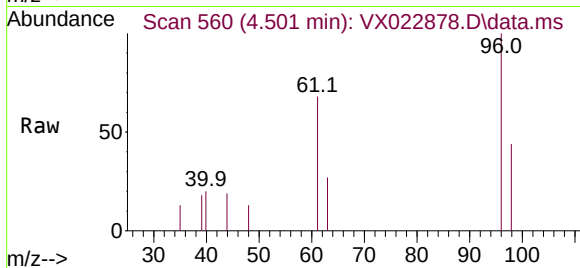
Delta R.T. 0.006 min

Lab File: VX022878.D

Acq: 24 Jun 2021 19:20

Tgt Ion: 96 Resp: 870

Ion	Ratio	Lower	Upper
96	100		
61	119.1	0.0	285.6
98	62.1	0.0	129.6



#31

Cyclohexane

Concen: 1.16 ug/l

RT: 5.556 min Scan# 733

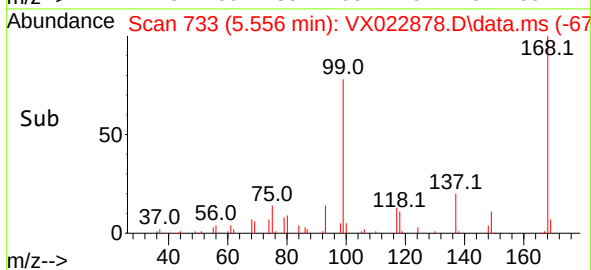
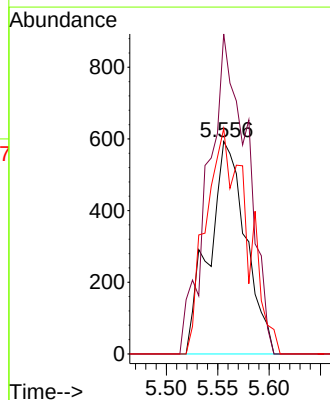
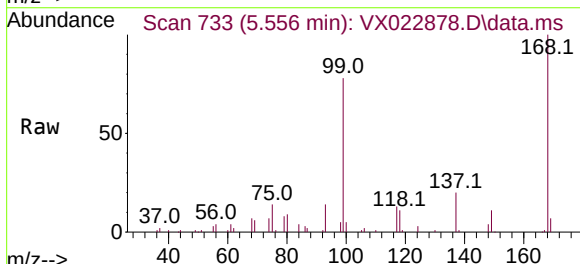
Delta R.T. 0.080 min

Lab File: VX022878.D

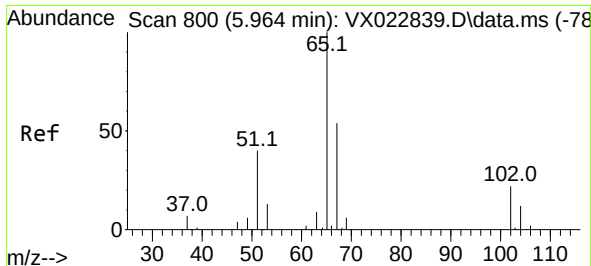
Acq: 24 Jun 2021 19:20

Tgt Ion: 56 Resp: 1471

Ion	Ratio	Lower	Upper
56	100		
69	150.6	25.3	37.9#
84	106.1	71.4	107.0



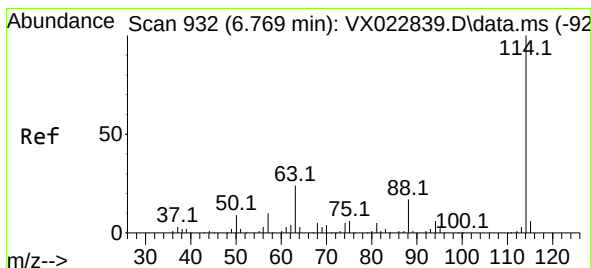
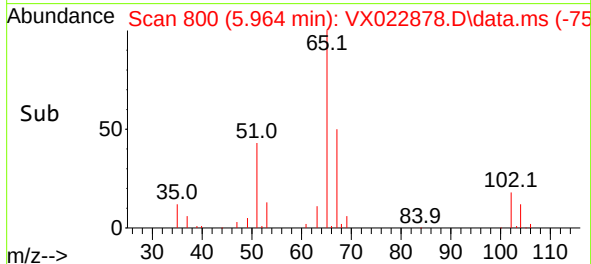
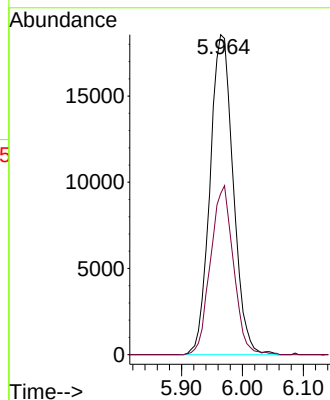
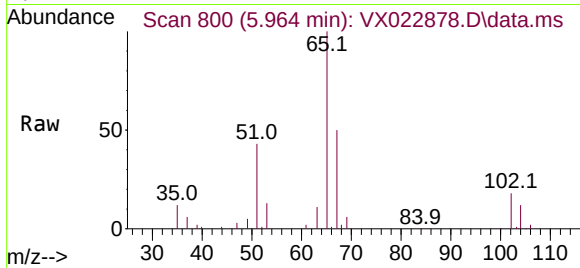
Instrument :
MSVOA_X
ClientSampleId :



#33
1,2-Dichloroethane-d4
Concen: 54.70 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

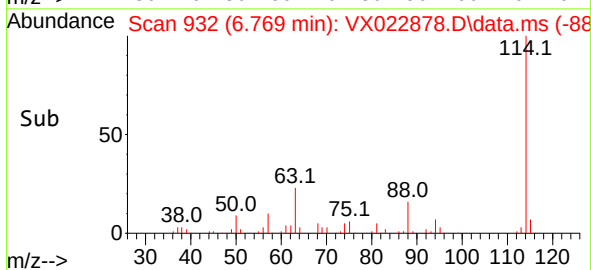
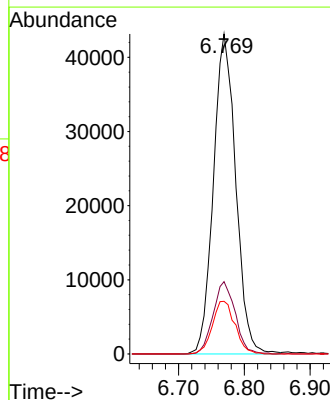
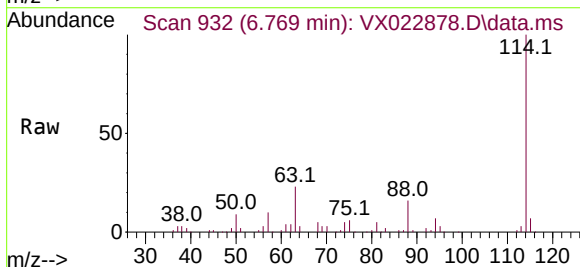
Instrument :
MSVOA_X
ClientSampled :

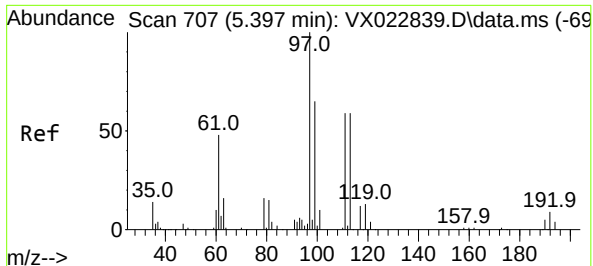
Tgt Ion: 65 Resp: 49121
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 114 Resp: 101860
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.8
88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.77 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022878.D

Acq: 24 Jun 2021 19:20

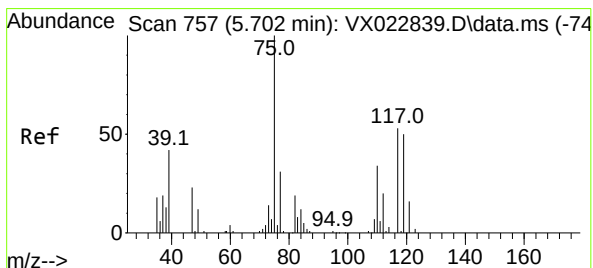
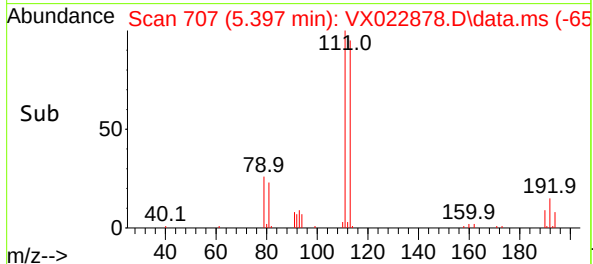
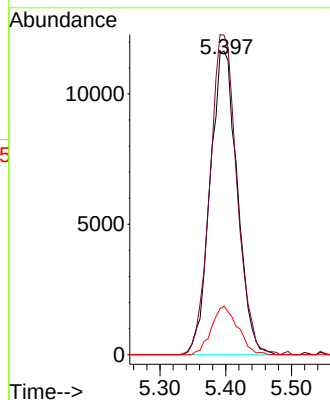
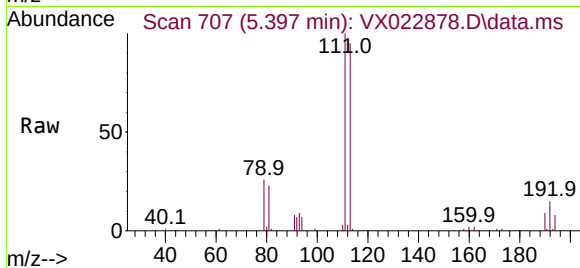
Tgt Ion:113 Resp: 33484

Ion Ratio Lower Upper

113 100

111 104.8 81.9 122.9

192 15.5 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022878.D

Acq: 24 Jun 2021 19:20

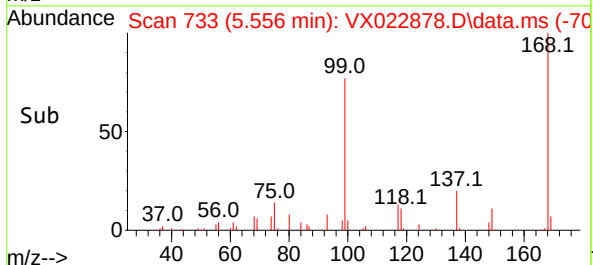
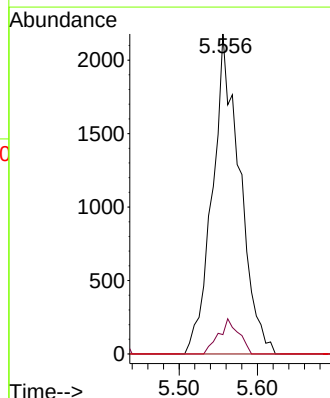
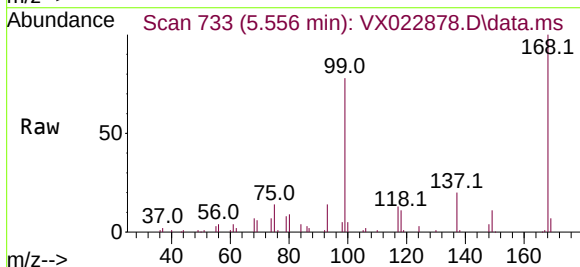
Tgt Ion: 75 Resp: 5281

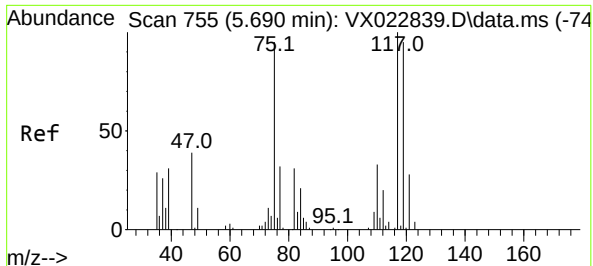
Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.4#

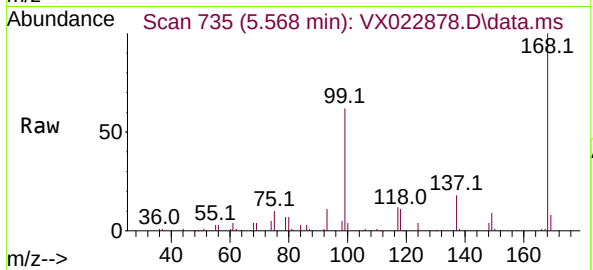
77 0.0 25.3 37.9#



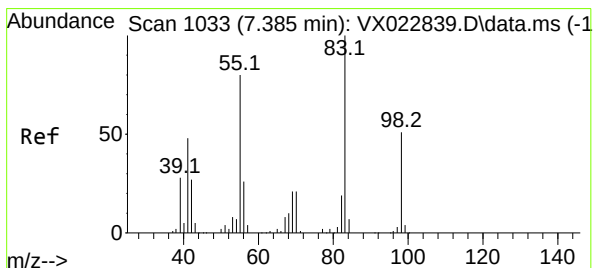
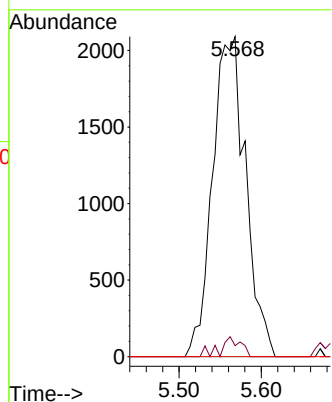
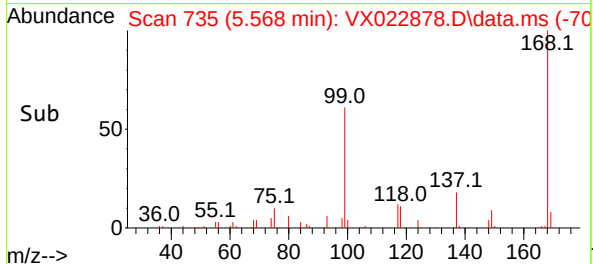


#38
Carbon Tetrachloride
Concen: 6.44 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

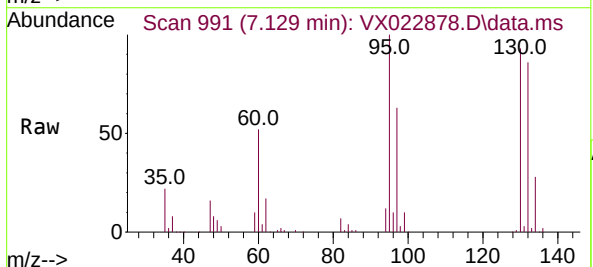
Instrument :
MSVOA_X
ClientSampled :



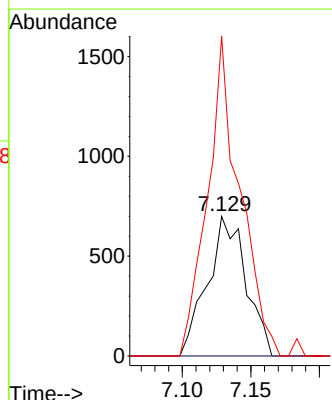
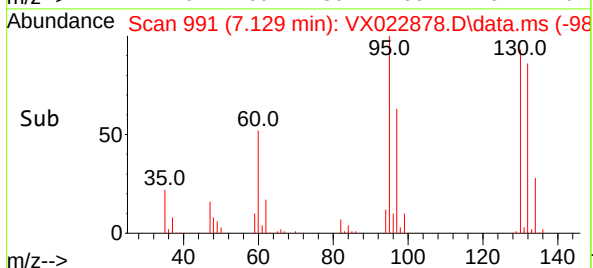
Tgt Ion:117 Resp: 5845
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#

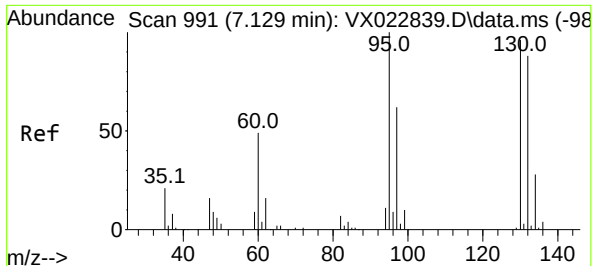


#39
Methylcyclohexane
Concen: 1.09 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20



Tgt Ion: 83 Resp: 1373
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 229.3 38.1 57.1#

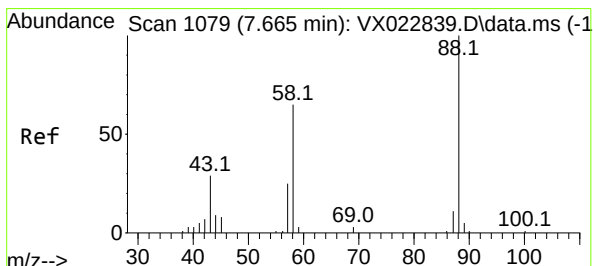
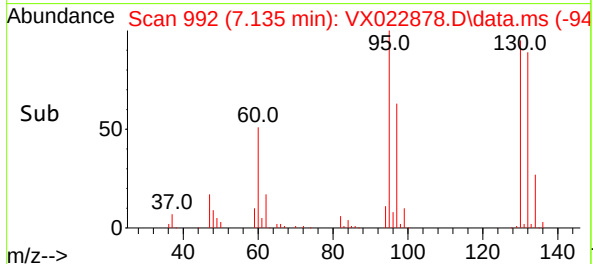
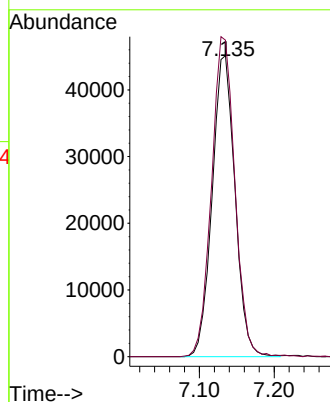
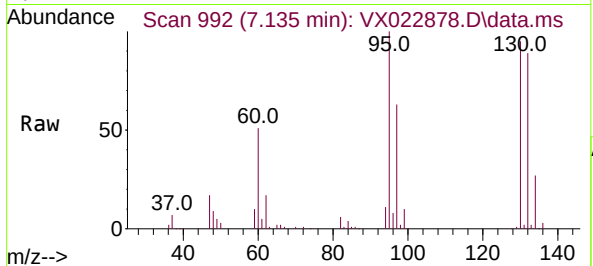




#44
Trichloroethene
Concen: 129.81 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

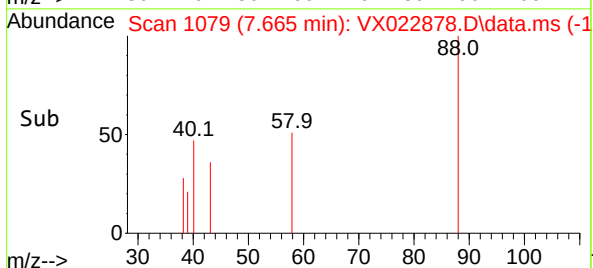
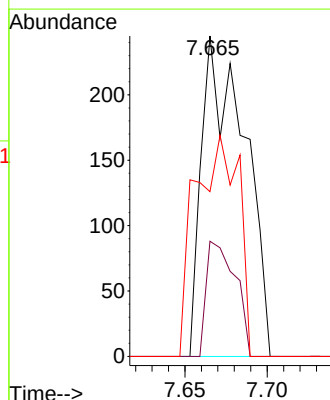
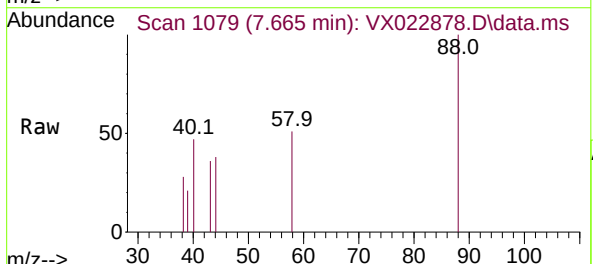
Instrument :
MSVOA_X
ClientSampled :

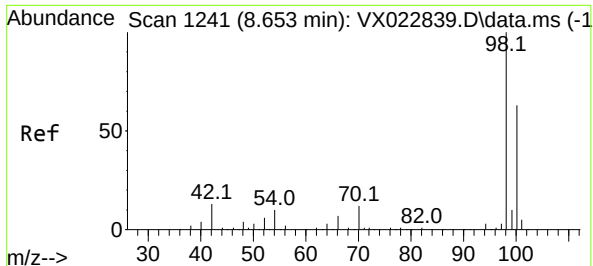
Tgt Ion:130 Resp: 96042
Ion Ratio Lower Upper
130 100
95 105.1 0.0 198.0



#49
1,4-Dioxane
Concen: 22.07 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 88 Resp: 443
Ion Ratio Lower Upper
88 100
43 24.4 23.2 34.8
58 70.0 55.0 82.4

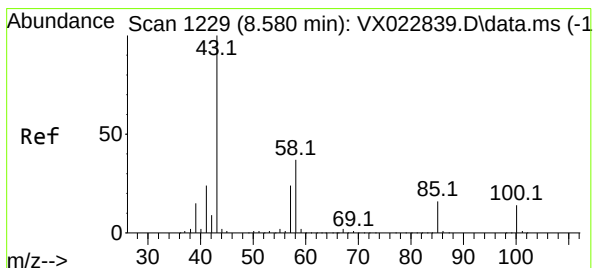
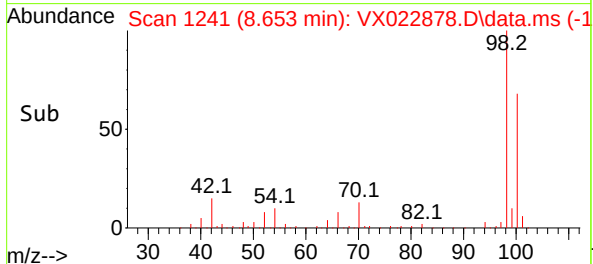
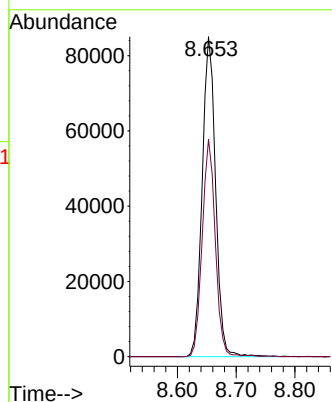
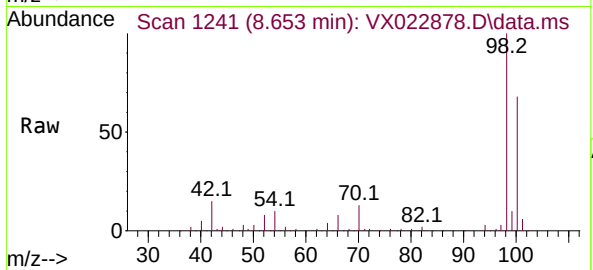




#50
Toluene-d8
Concen: 53.31 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

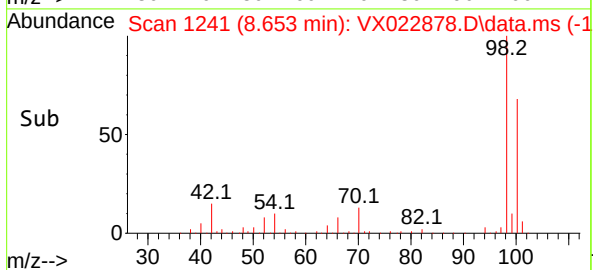
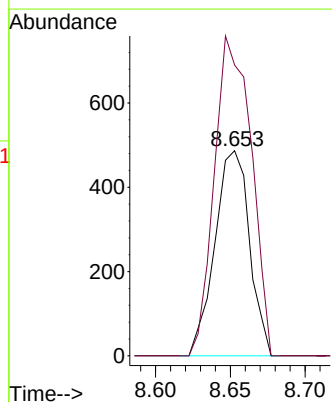
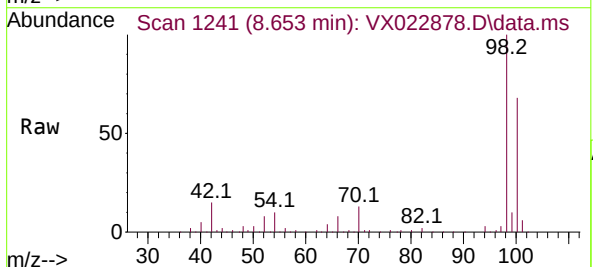
Instrument :
MSVOA_X
ClientSampled :

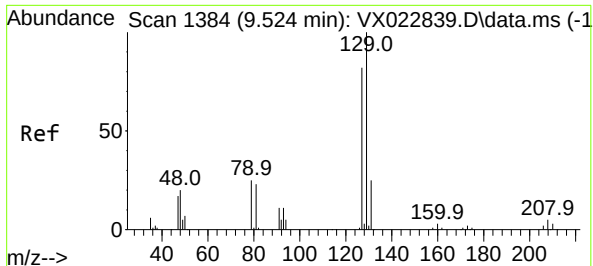
Tgt Ion: 98 Resp: 135142
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.63 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
58 165.8 35.4 53.0#





#60

Dibromochloromethane

Concen: 4.14 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.243 min

Lab File: VX022878.D

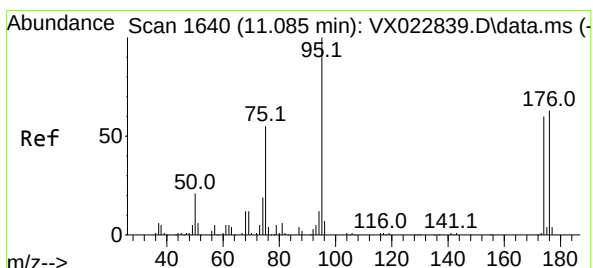
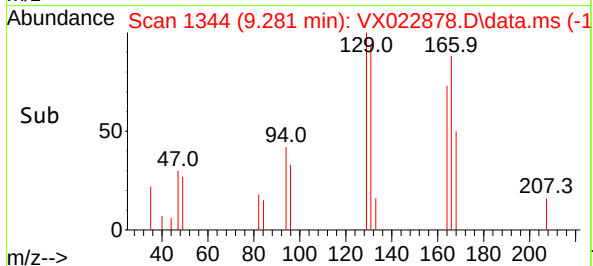
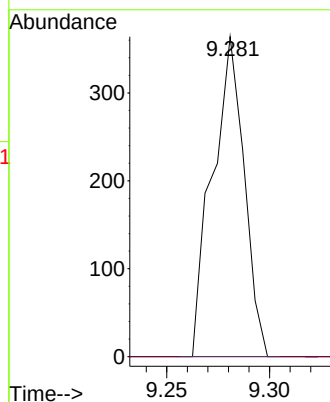
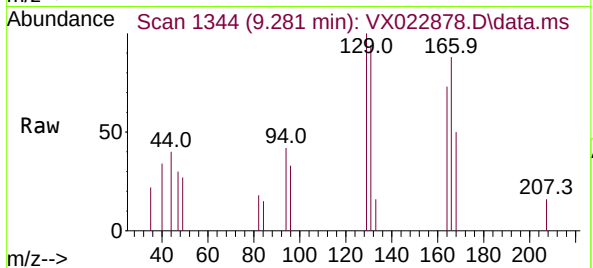
Acq: 24 Jun 2021 19:20

Tgt Ion:129 Resp: 391

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 44.73 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX022878.D

Acq: 24 Jun 2021 19:20

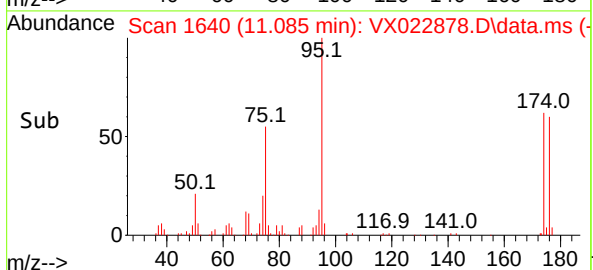
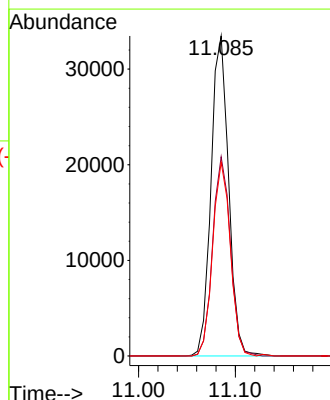
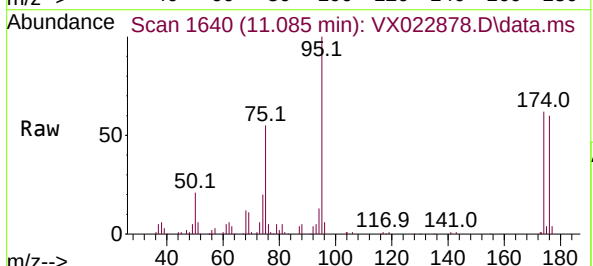
Tgt Ion: 95 Resp: 42319

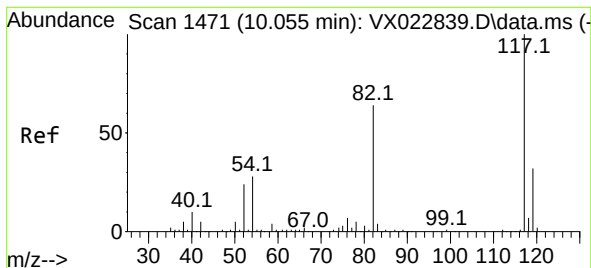
Ion Ratio Lower Upper

95 100

174 62.9 0.0 154.6

176 60.9 0.0 155.8

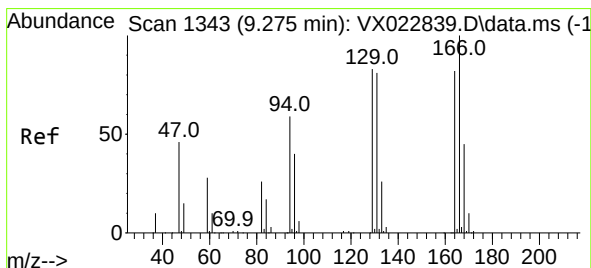
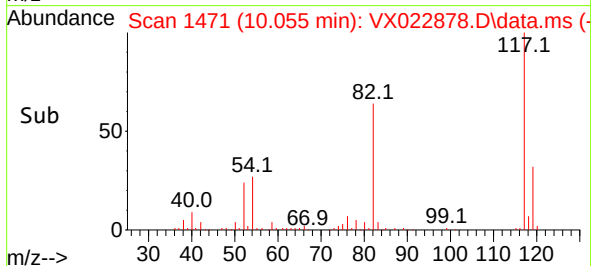
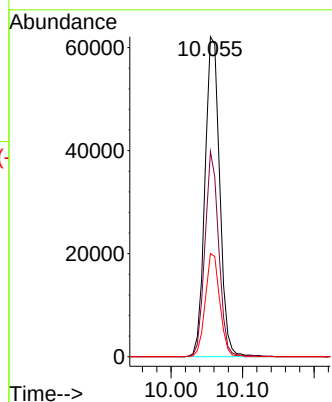
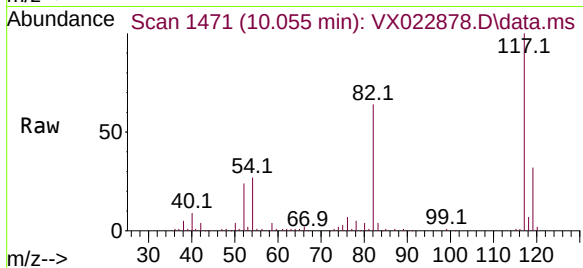




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

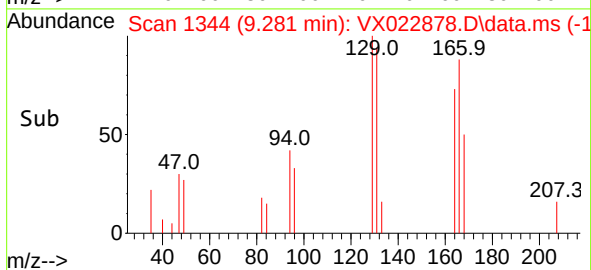
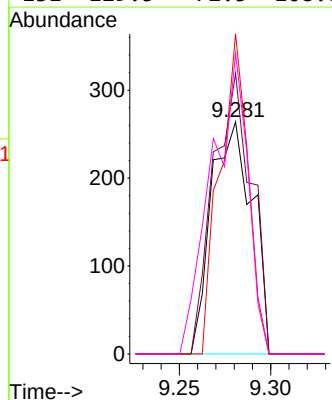
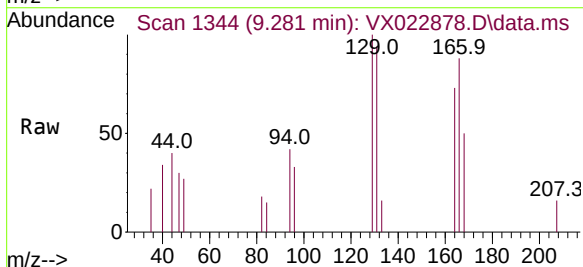
Instrument :
MSVOA_X
ClientSampled :

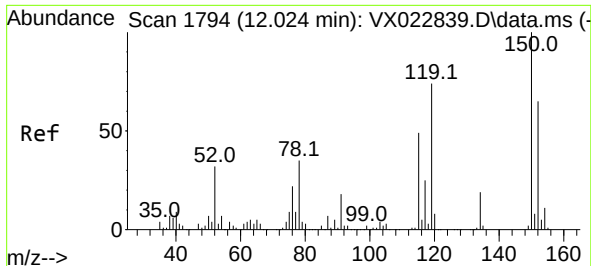
Tgt Ion:117 Resp: 88917
Ion Ratio Lower Upper
117 100
82 64.1 47.4 71.2
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 0.66 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion:164 Resp: 412
Ion Ratio Lower Upper
164 100
166 120.8 103.4 155.2
129 137.9 70.8 106.2#
131 129.5 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: VX022878.D

Acq: 24 Jun 2021 19:20

Tgt Ion:152 Resp: 30469

Ion Ratio Lower Upper

152 100

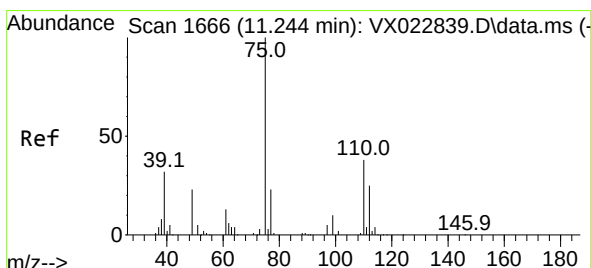
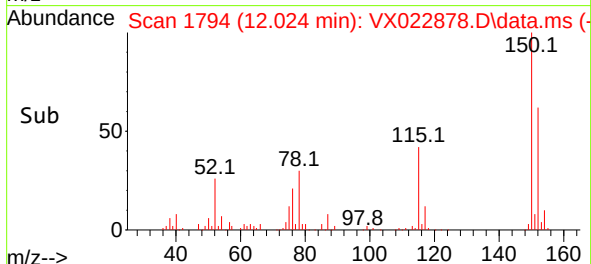
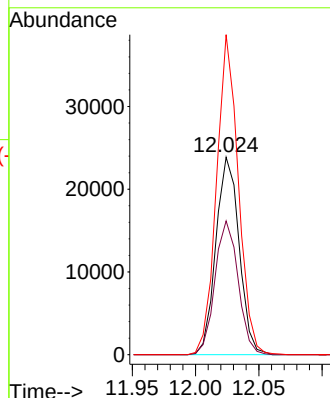
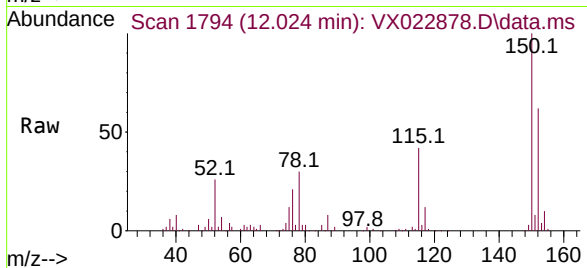
115 67.5 41.1 123.3

150 151.8 0.0 349.0

Instrument :

MSVOA_X

ClientSampled :



#76

1,2,3-Trichloropropane

Concen: 29.63 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022878.D

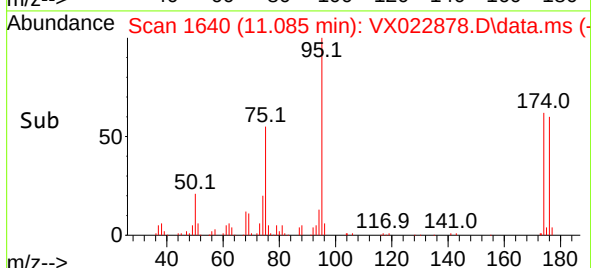
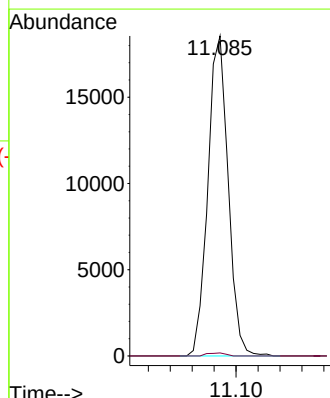
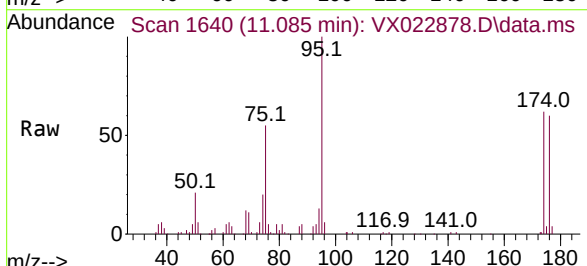
Acq: 24 Jun 2021 19:20

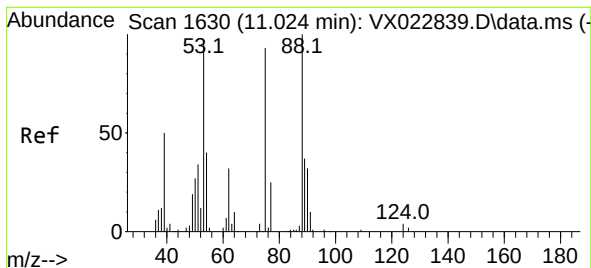
Tgt Ion: 75 Resp: 23849

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

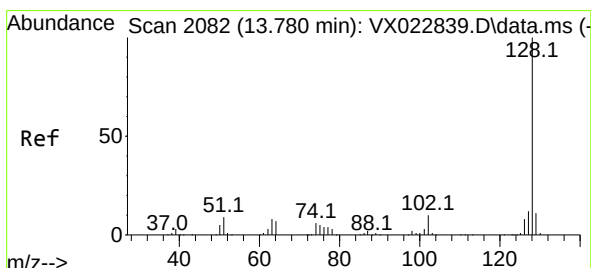
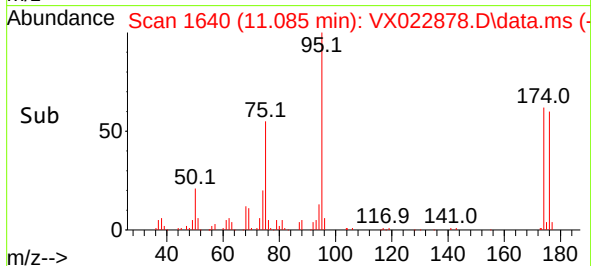
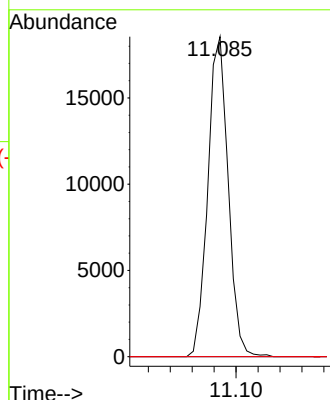
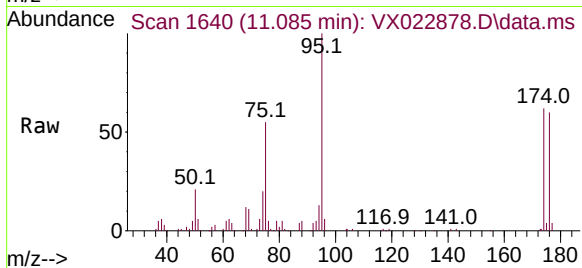




#81
trans-1,4-Dichloro-2-butene
Concen: 76.13 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 23849
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.97 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022878.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 128 Resp: 117
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

