

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
 Data File : VX021108.D
 Acq On : 09 Mar 2021 15:08
 Operator : JC/MD
 Sample : M1611-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 10 00:31:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

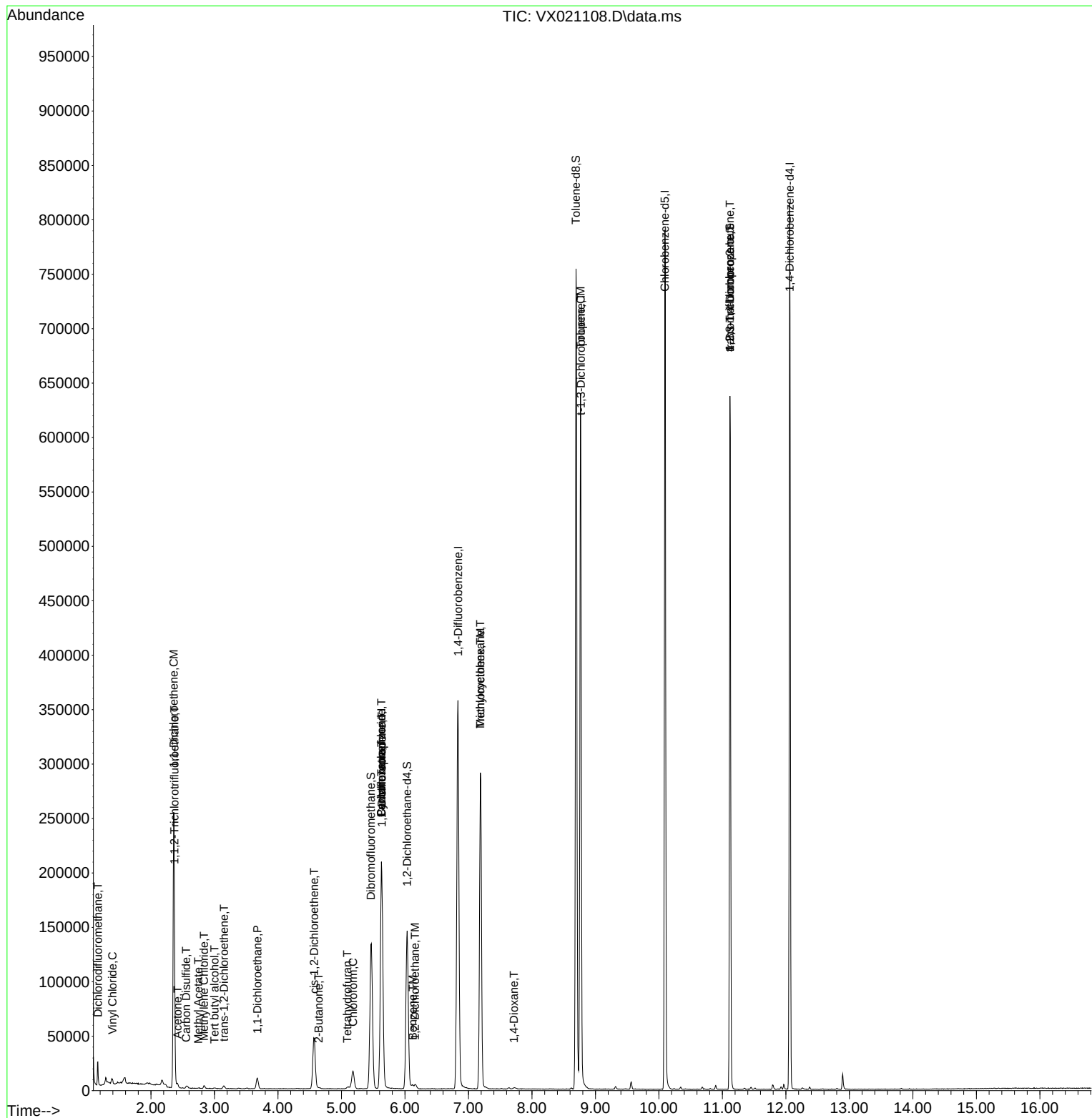
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	202606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	377953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	376829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	168923	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	136336	49.82	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.64%
35) Dibromofluoromethane	5.464	113	118245	51.49	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.98%
50) Toluene-d8	8.694	98	474218	52.96	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.92%
62) 4-Bromofluorobenzene	11.118	95	179216	54.13	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.26%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.164	85	1225	0.56	ug/l	96
4) Vinyl Chloride	1.393	62	574	0.20	ug/l	93
5) Bromomethane	1.646	94	353	Below Cal		85
9) 1,1,2-Trichlorotrifluo...	2.370	101	1722	0.79	ug/l #	85
11) Tert butyl alcohol	2.999	59	447	0.73	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	87786	38.71	ug/l	95
16) Acetone	2.417	43	4422	3.92	ug/l	99
17) Carbon Disulfide	2.552	76	1735	0.27	ug/l	98
18) Methyl Acetate	2.746	43	721	0.27	ug/l #	62
20) Methylene Chloride	2.834	84	1170	0.43	ug/l #	91
21) trans-1,2-Dichloroethene	3.152	96	1192	0.47	ug/l #	84
24) 1,1-Dichloroethane	3.676	63	11366	2.59	ug/l	97
25) 2-Butanone	4.641	43	1335	0.78	ug/l	96
27) cis-1,2-Dichloroethene	4.570	96	31960	10.89	ug/l	88
29) Tetrahydrofuran	5.094	42	1675	1.52	ug/l #	27
30) Chloroform	5.182	83	19427	4.39	ug/l	96
31) Cyclohexane	5.629	56	4046	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.635	75	15705	4.37	ug/l #	47
38) Carbon Tetrachloride	5.629	117	19498	5.60	ug/l #	17
39) Methylcyclohexane	7.188	83	1402	0.31	ug/l #	1
40) Benzene	6.123	78	3627	0.34	ug/l	96
42) 1,2-Dichloroethane	6.158	62	4268	1.19	ug/l	100
44) Trichloroethene	7.188	130	116669	41.21	ug/l	100
49) 1,4-Dioxane	7.717	88	904	13.28	ug/l #	85
52) Toluene	8.765	92	255188	38.05	ug/l	97
53) t-1,3-Dichloropropene	8.771	75	2804	0.66	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	86400	23.78	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	86400	52.64	ug/l #	12

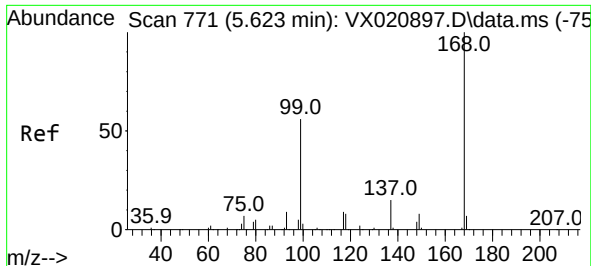
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

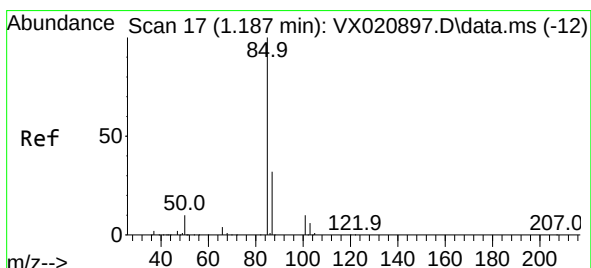
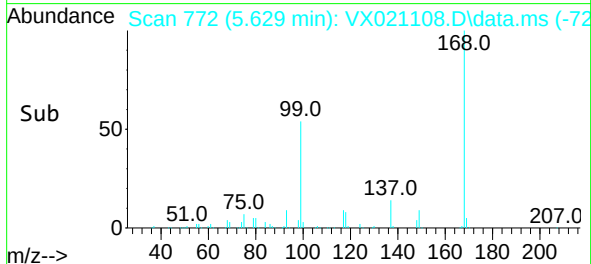
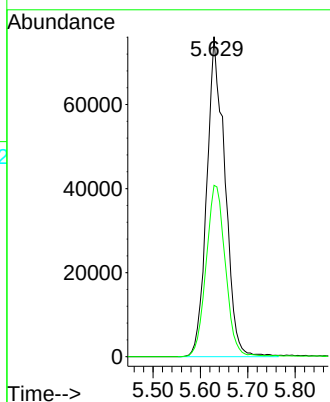
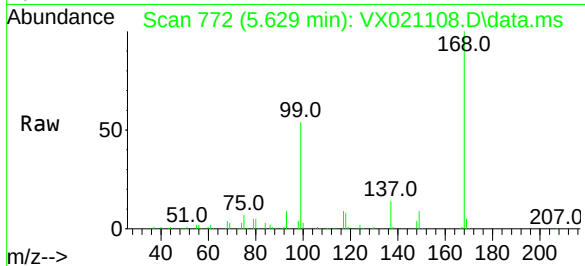




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

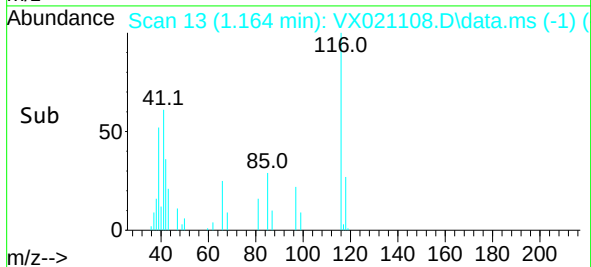
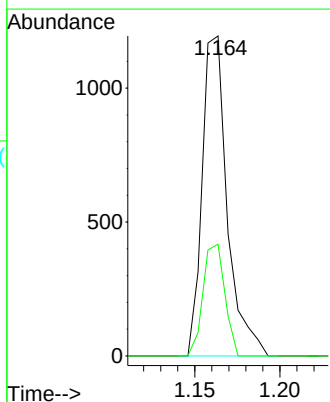
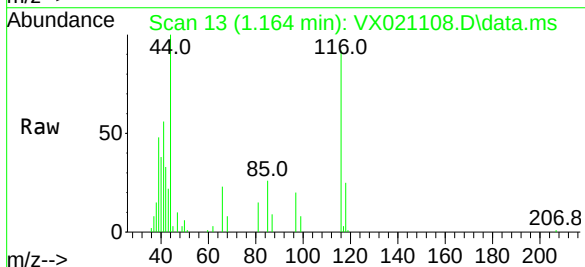
Instrument :
MSVOA_X
ClientSampled :

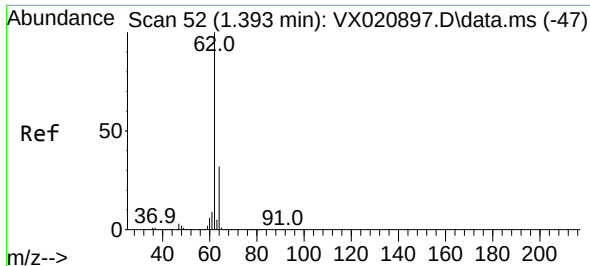
Tgt Ion:168 Resp: 202606
Ion Ratio Lower Upper
168 100
99 53.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.56 ug/l
RT: 1.164 min Scan# 13
Delta R.T. -0.024 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 85 Resp: 1225
Ion Ratio Lower Upper
85 100
87 34.9 16.4 49.2

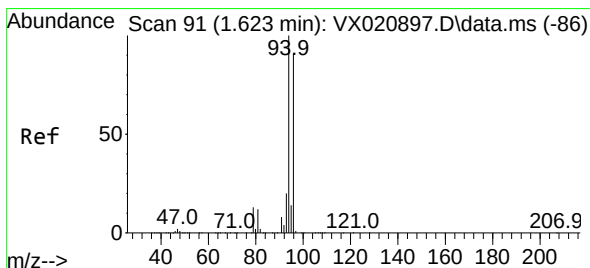
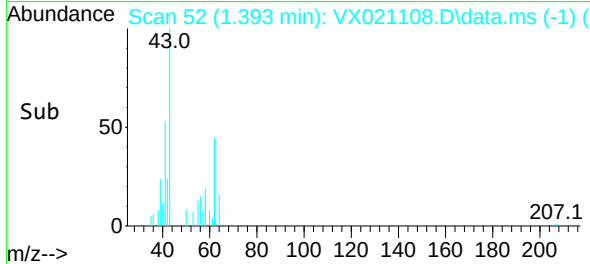
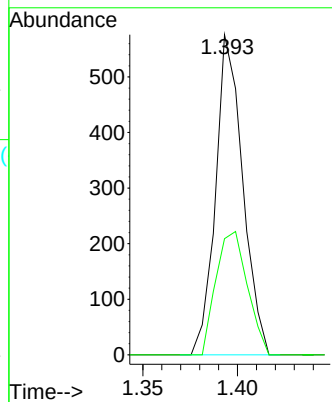
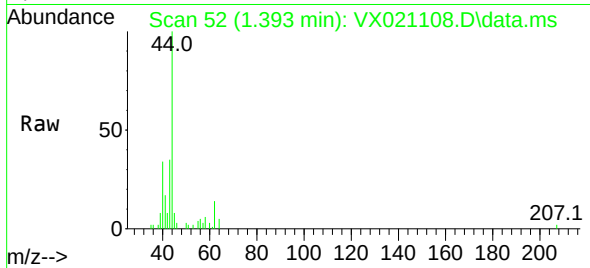




#4
 Vinyl Chloride
 Concen: 0.20 ug/l
 RT: 1.393 min Scan# 52
 Delta R.T. -0.000 min
 Lab File: VX021108.D
 Acq: 09 Mar 2021 15:08

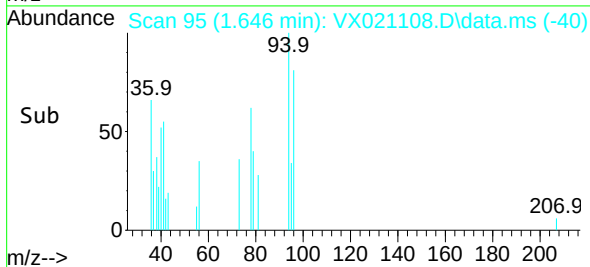
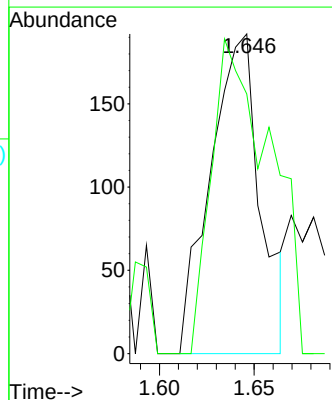
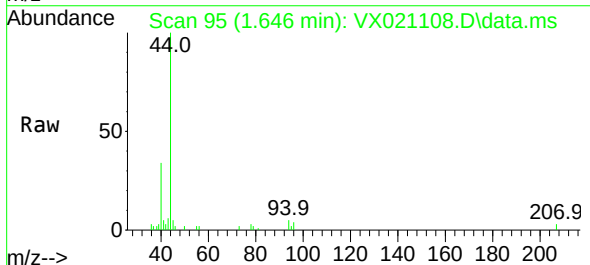
Instrument :
 MSVOA_X
 ClientSampled :

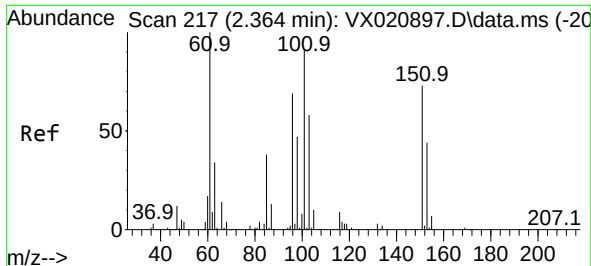
Tgt Ion: 62 Resp: 574
 Ion Ratio Lower Upper
 62 100
 64 36.3 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.646 min Scan# 95
 Delta R.T. 0.023 min
 Lab File: VX021108.D
 Acq: 09 Mar 2021 15:08

Tgt Ion: 94 Resp: 353
 Ion Ratio Lower Upper
 94 100
 96 81.3 76.4 114.6

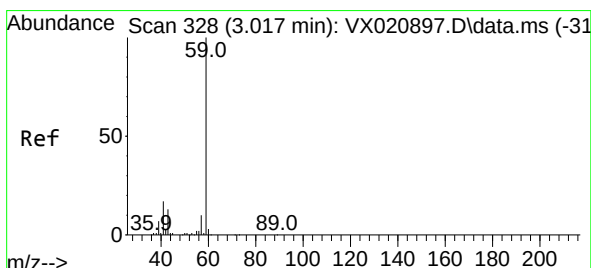
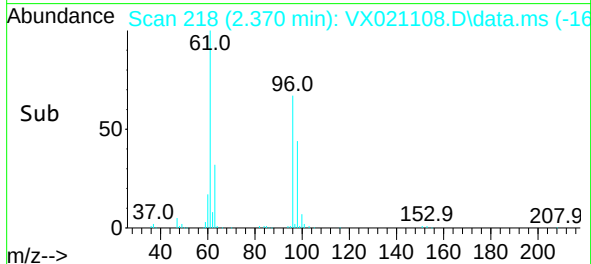
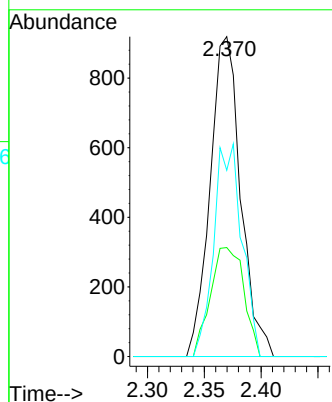
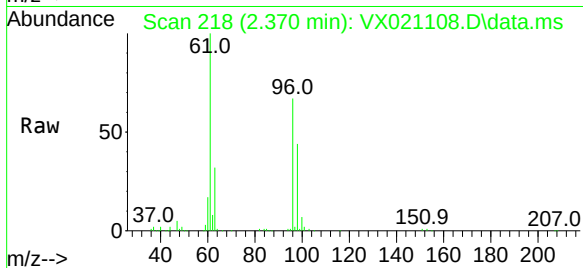




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.79 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

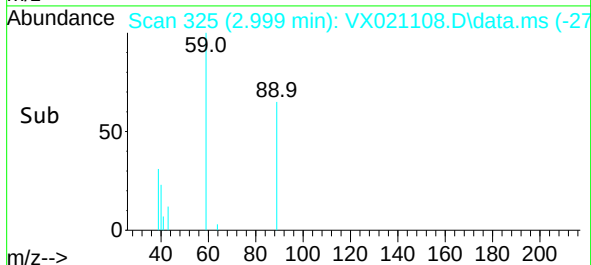
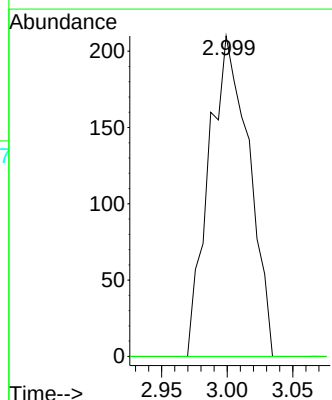
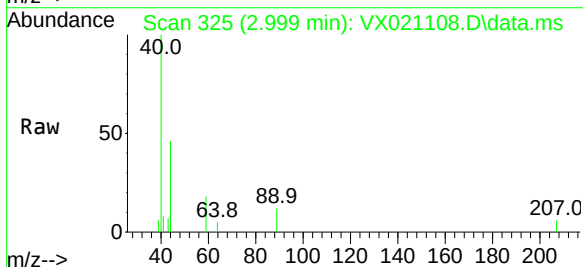
Instrument :
MSVOA_X
ClientSampled :

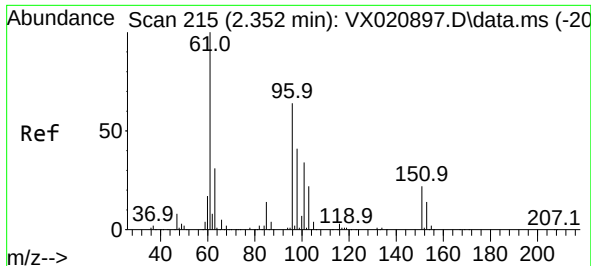
Tgt Ion:101 Resp: 1722
Ion Ratio Lower Upper
101 100
85 37.1 34.9 52.3
151 61.0 61.4 92.2#



#11
Tert butyl alcohol
Concen: 0.73 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 38.71 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021108.D

Acq: 09 Mar 2021 15:08

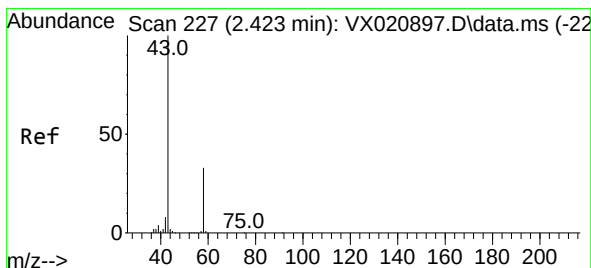
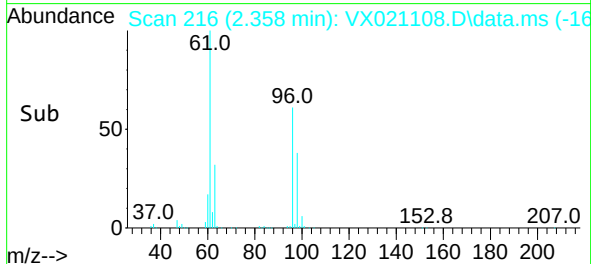
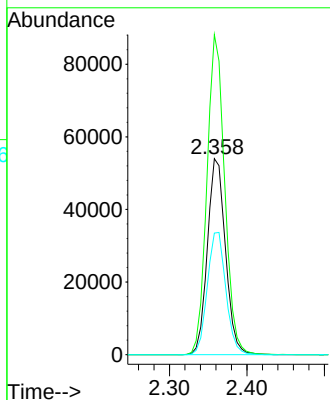
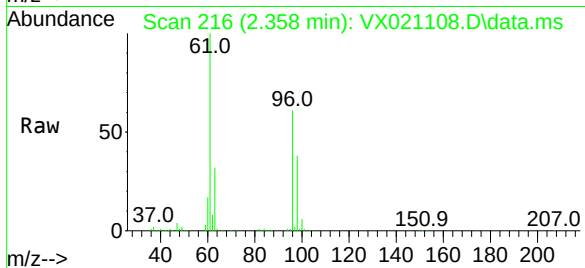
Tgt Ion: 96 Resp: 87786

Ion Ratio Lower Upper

96 100

61 163.3 124.6 187.0

98 62.1 50.6 76.0



#16

Acetone

Concen: 3.92 ug/l

RT: 2.417 min Scan# 226

Delta R.T. -0.006 min

Lab File: VX021108.D

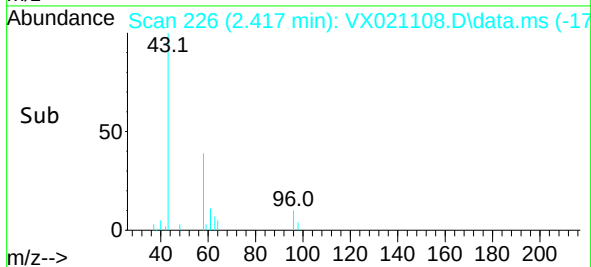
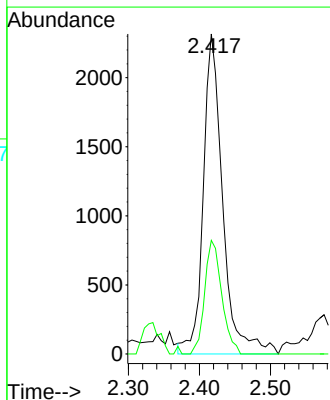
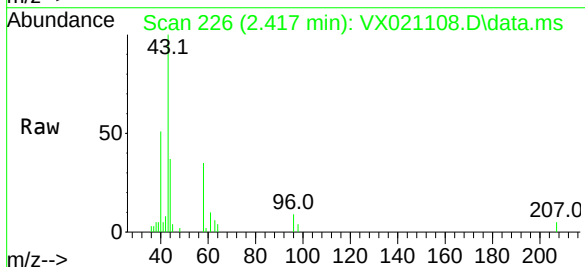
Acq: 09 Mar 2021 15:08

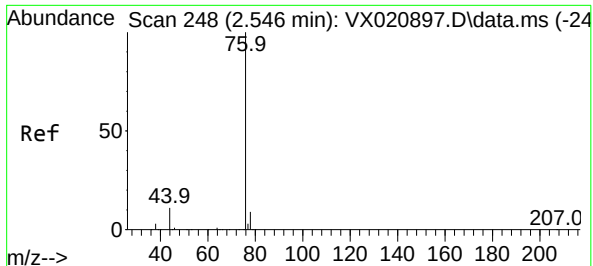
Tgt Ion: 43 Resp: 4422

Ion Ratio Lower Upper

43 100

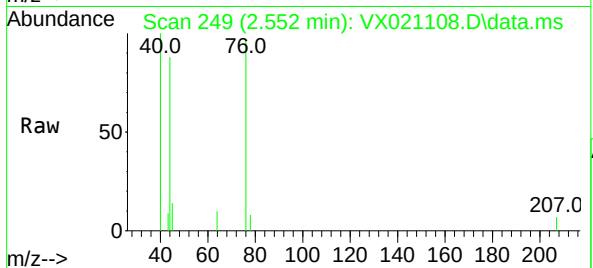
58 35.5 27.8 41.8



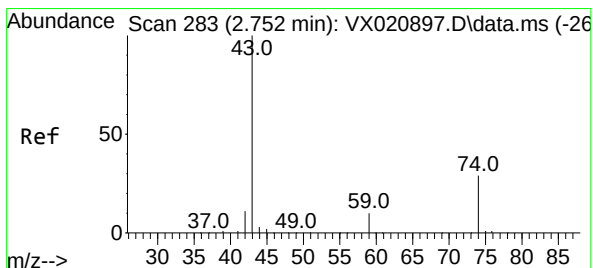
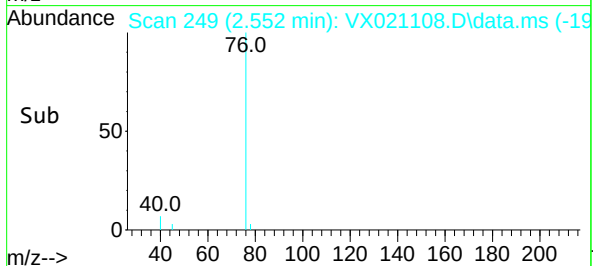
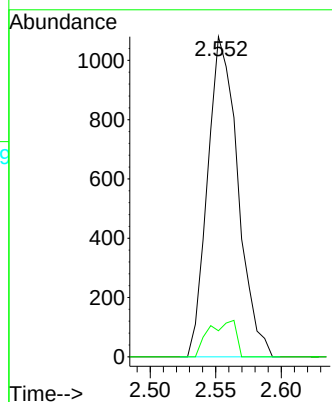


#17
Carbon Disulfide
Concen: 0.27 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Instrument :
MSVOA_X
ClientSampled :

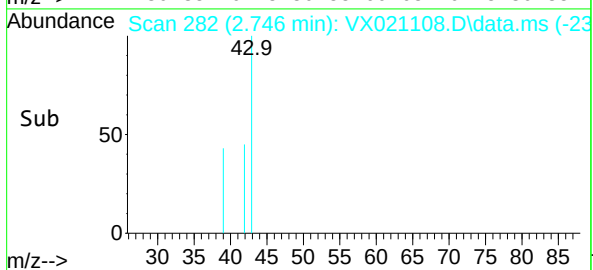
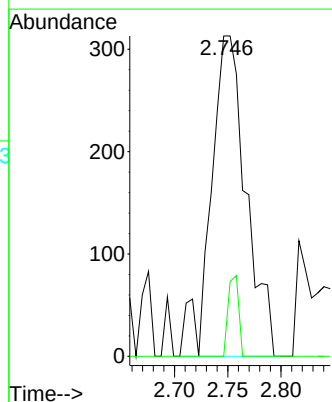
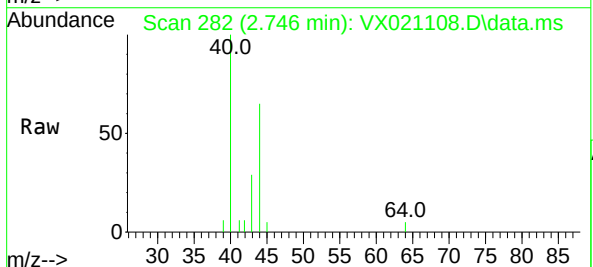


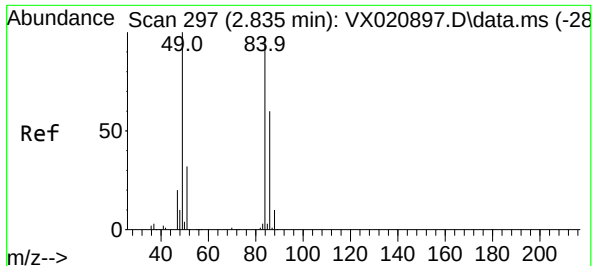
Tgt Ion: 76 Resp: 1735
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8



#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
74 7.5 21.9 32.9#





#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX021108.D

Acq: 09 Mar 2021 15:08

Tgt Ion: 84 Resp: 1170

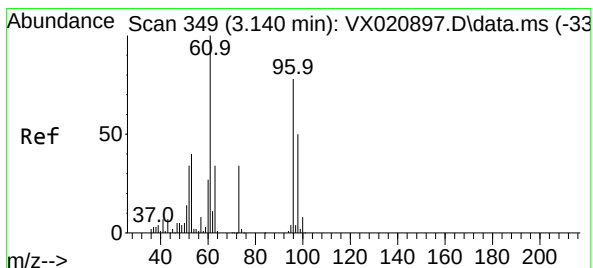
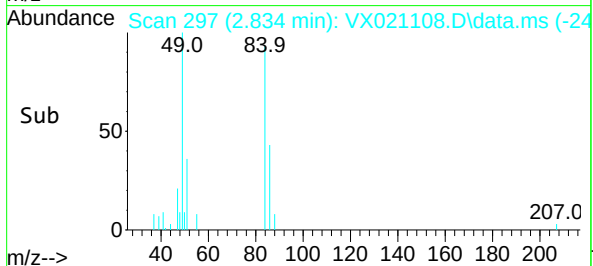
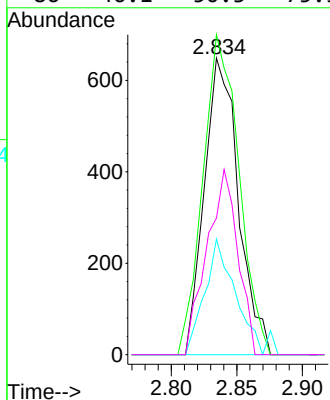
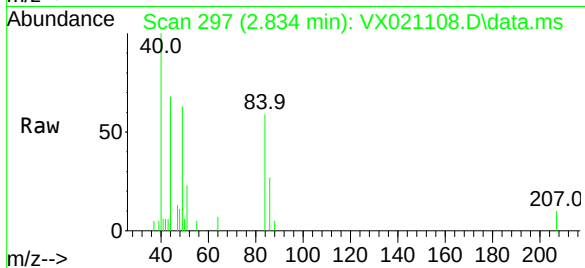
Ion Ratio Lower Upper

84 100

49 107.9 88.6 132.8

51 39.0 27.0 40.6

86 46.1 50.3 75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.47 ug/l

RT: 3.152 min Scan# 351

Delta R.T. 0.012 min

Lab File: VX021108.D

Acq: 09 Mar 2021 15:08

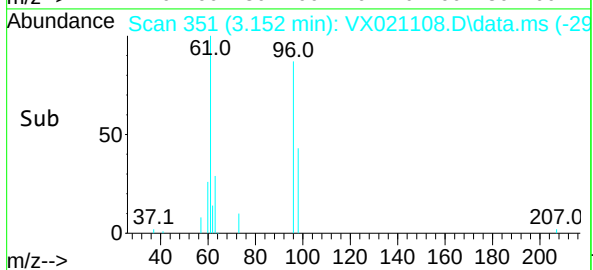
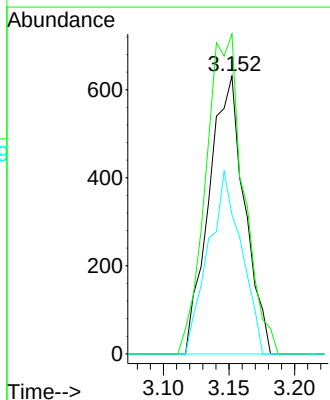
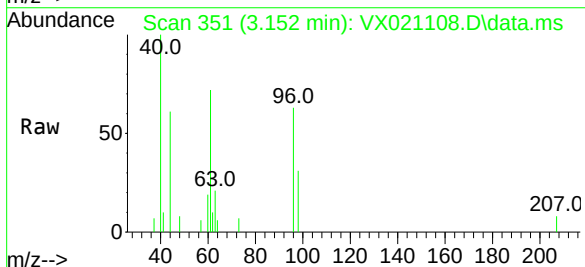
Tgt Ion: 96 Resp: 1192

Ion Ratio Lower Upper

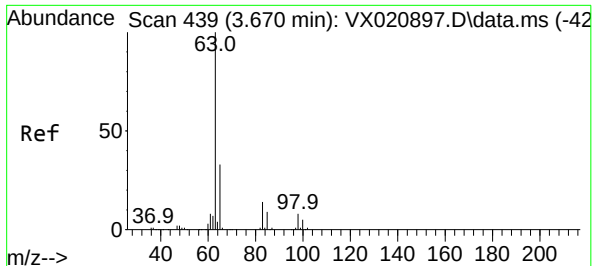
96 100

61 115.2 107.7 161.5

98 50.1 50.4 75.6#

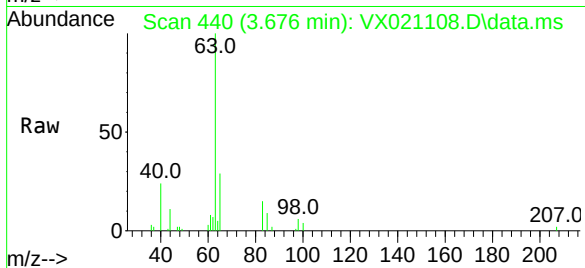


Instrument :
MSVOA_X
ClientSampled :

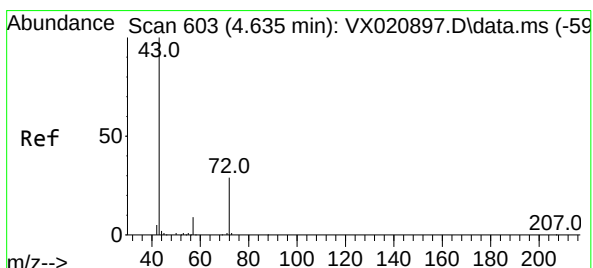
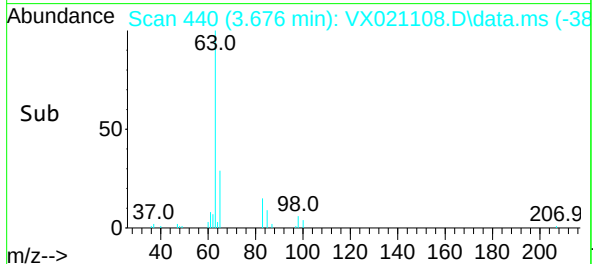
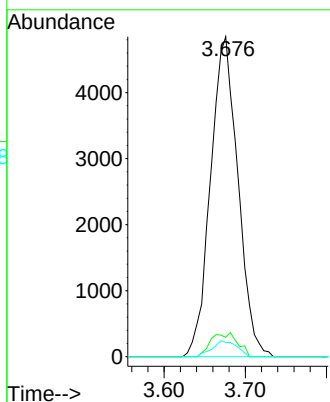


#24
1,1-Dichloroethane
Concen: 2.59 ug/l
RT: 3.676 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Instrument :
MSVOA_X
ClientSampled :

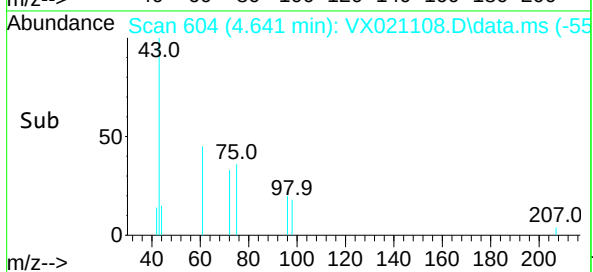
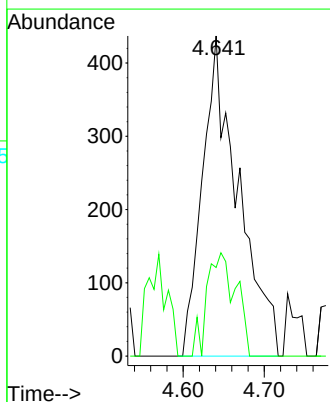
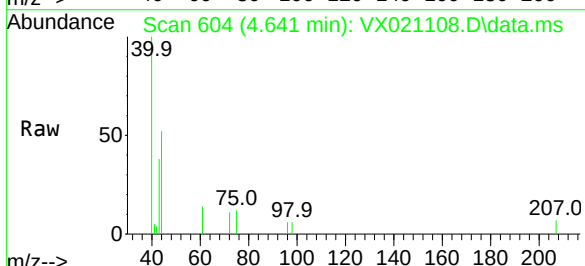


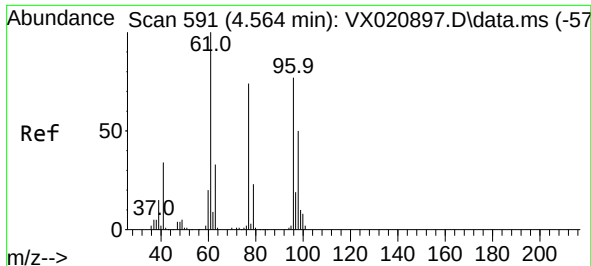
Tgt Ion: 63 Resp: 11366
Ion Ratio Lower Upper
63 100
98 6.0 3.8 11.2
100 4.4 2.5 7.5



#25
2-Butanone
Concen: 0.78 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
72 27.7 23.7 35.5





#27

cis-1,2-Dichloroethene

Concen: 10.89 ug/l

RT: 4.570 min Scan# 592

Delta R.T. 0.006 min

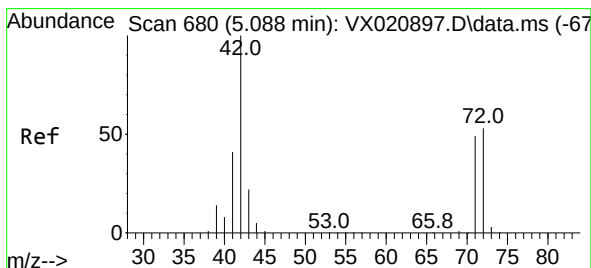
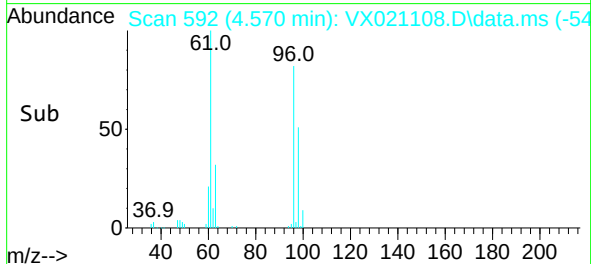
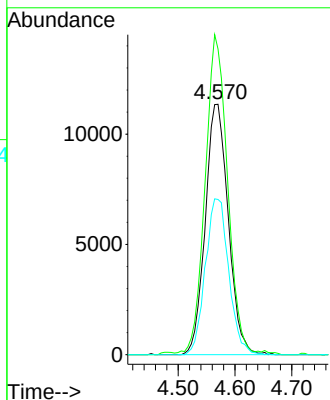
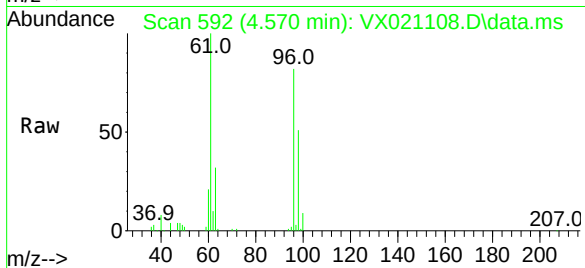
Lab File: VX021108.D

Acq: 09 Mar 2021 15:08

Tgt Ion: 96 Resp: 31960

Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	285.6
98	63.3	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#29

Tetrahydrofuran

Concen: 1.52 ug/l

RT: 5.094 min Scan# 681

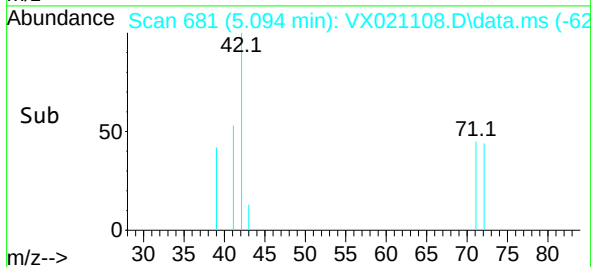
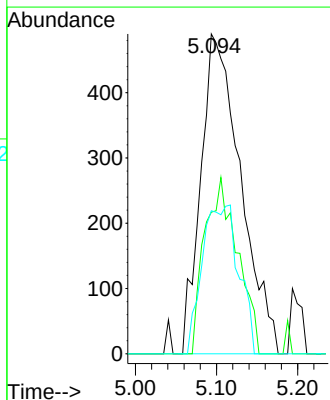
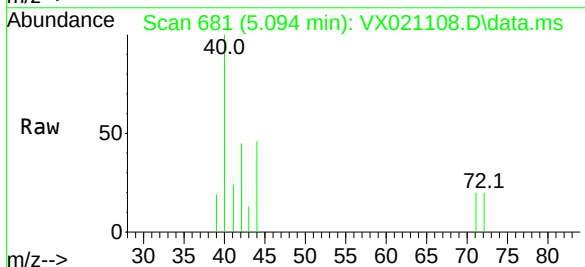
Delta R.T. 0.006 min

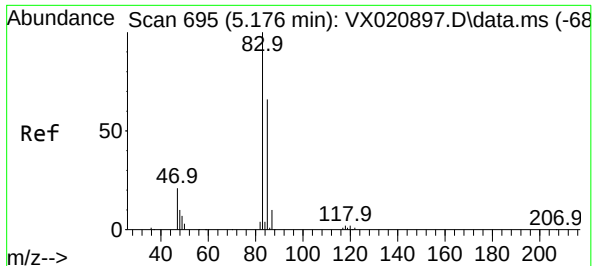
Lab File: VX021108.D

Acq: 09 Mar 2021 15:08

Tgt Ion: 42 Resp: 1675

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 4.39 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

Lab File: VX021108.D

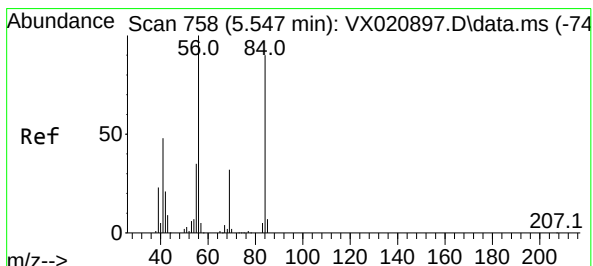
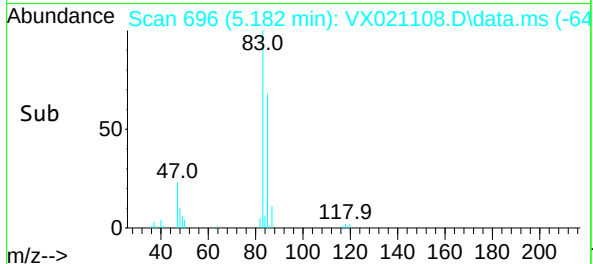
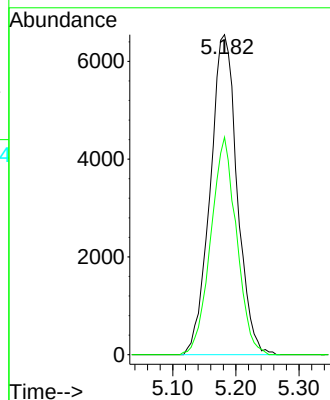
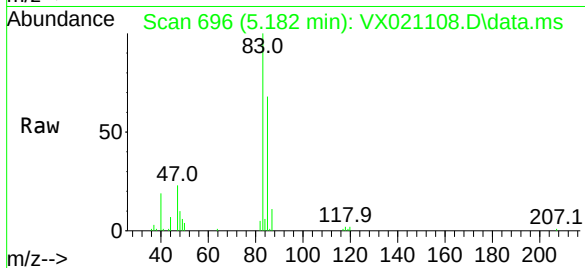
Acq: 09 Mar 2021 15:08

Tgt Ion: 83 Resp: 19427

Ion Ratio Lower Upper

83 100

85 68.0 52.0 78.0



#31

Cyclohexane

Concen: 1.02 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021108.D

Acq: 09 Mar 2021 15:08

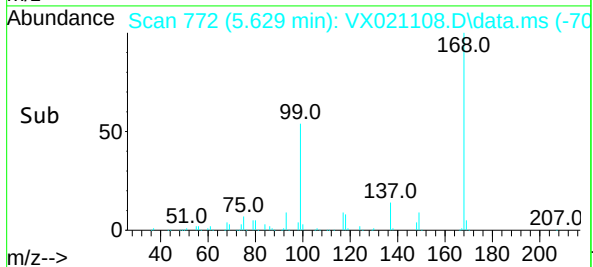
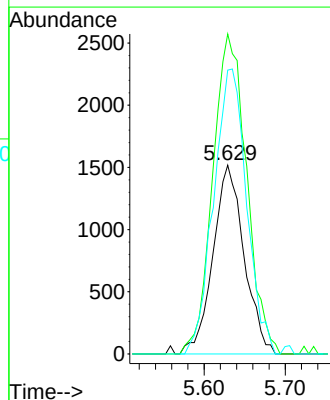
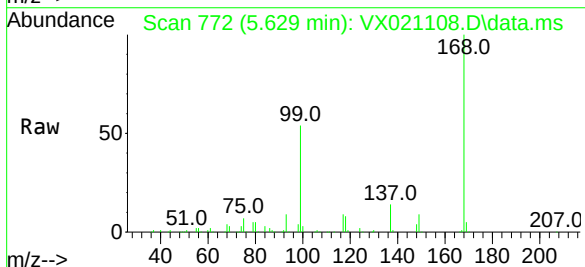
Tgt Ion: 56 Resp: 4046

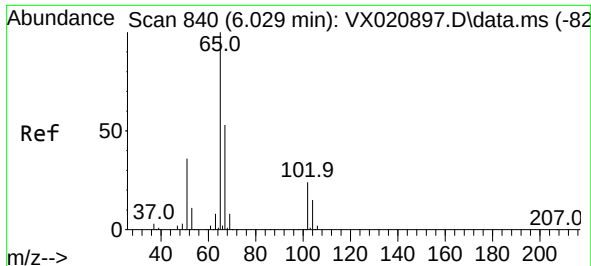
Ion Ratio Lower Upper

56 100

69 169.5 25.3 37.9#

84 150.3 71.4 107.0#

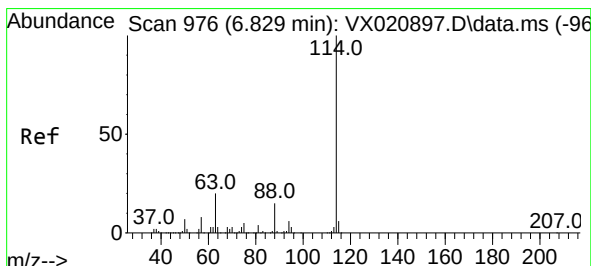
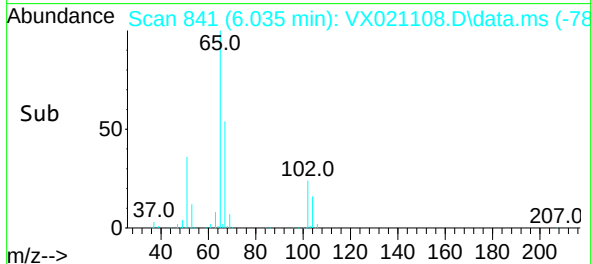
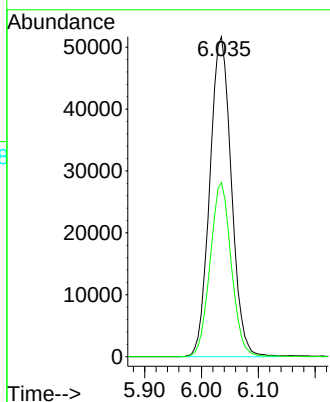
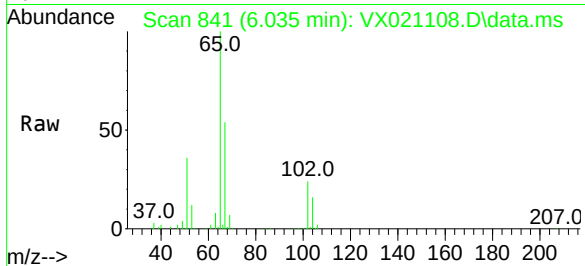




#33
1,2-Dichloroethane-d4
Concen: 49.82 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

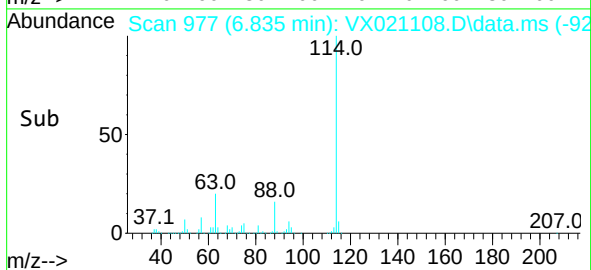
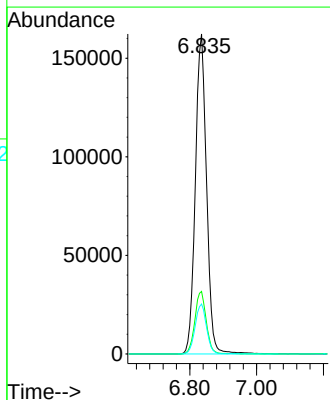
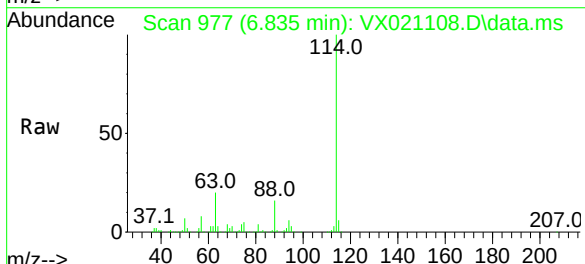
Instrument :
MSVOA_X
ClientSampled :

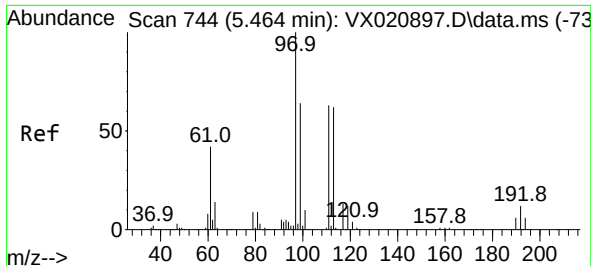
Tgt Ion: 65 Resp: 136336
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 114 Resp: 377953
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 15.6 0.0 32.8

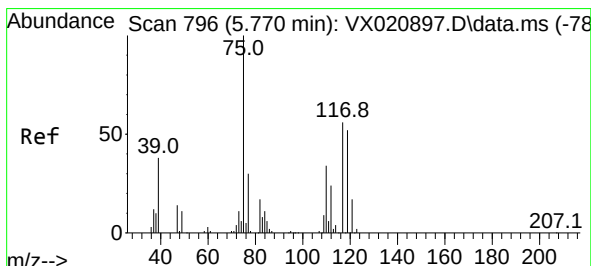
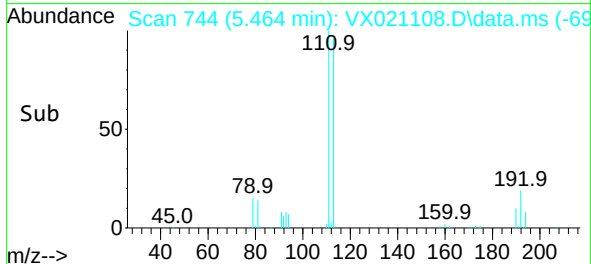
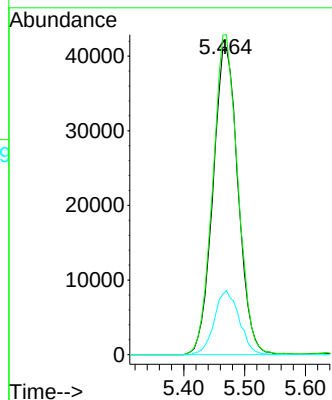
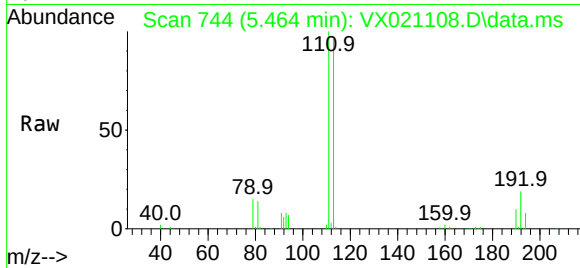




#35
Dibromofluoromethane
Concen: 51.49 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

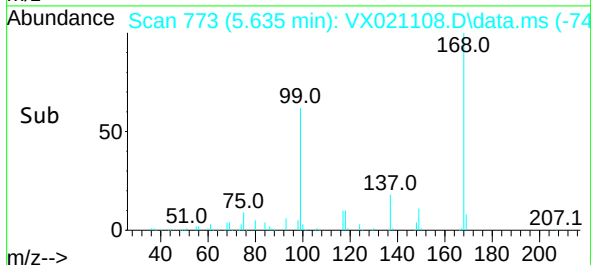
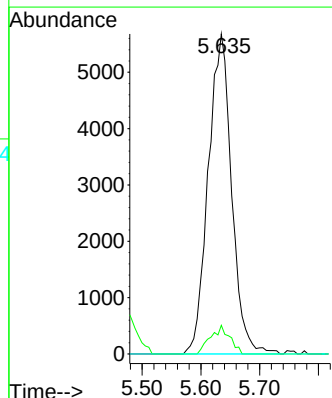
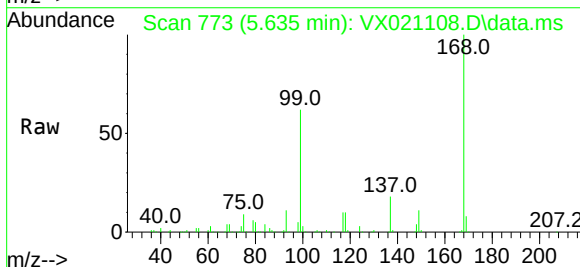
Instrument :
MSVOA_X
ClientSampled :

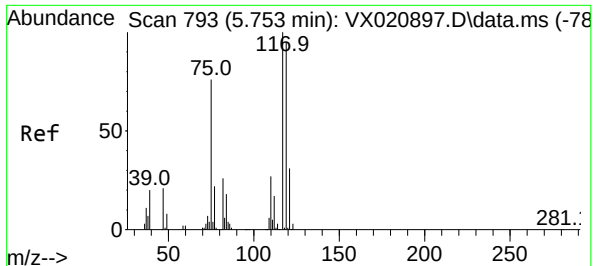
Tgt Ion:113 Resp: 118245
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 20.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

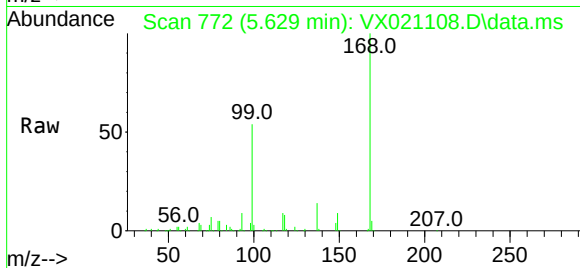
Tgt Ion: 75 Resp: 15705
Ion Ratio Lower Upper
75 100
110 7.3 18.1 54.4#
77 0.0 25.3 37.9#



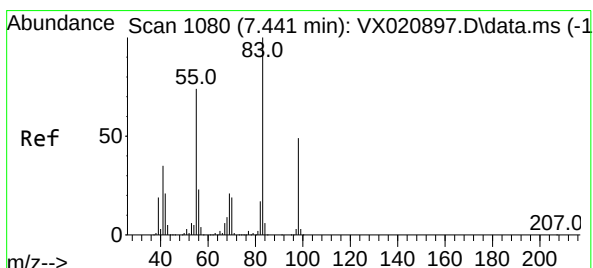
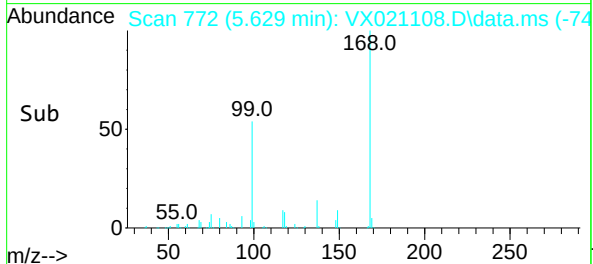
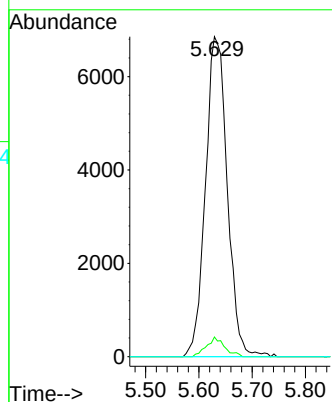


#38
Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Instrument :
MSVOA_X
ClientSampled :

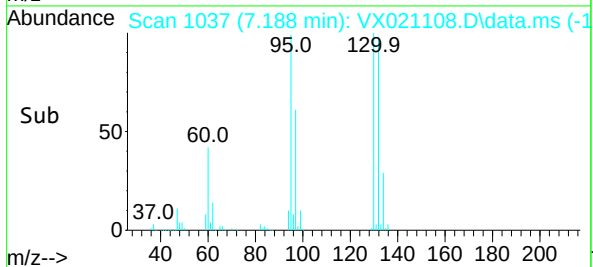
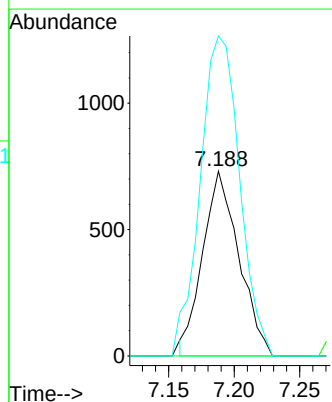
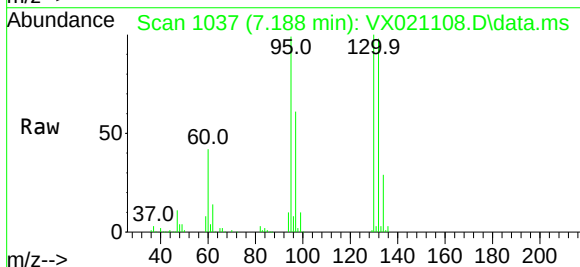


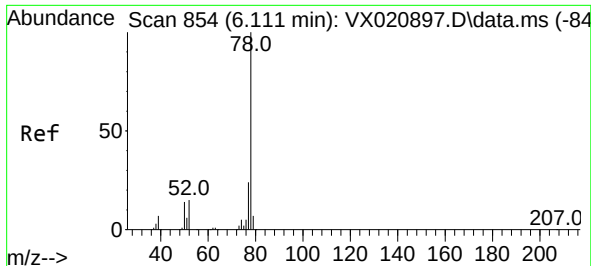
Tgt Ion:117 Resp: 19498
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.31 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 83 Resp: 1402
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 173.2 38.1 57.1#

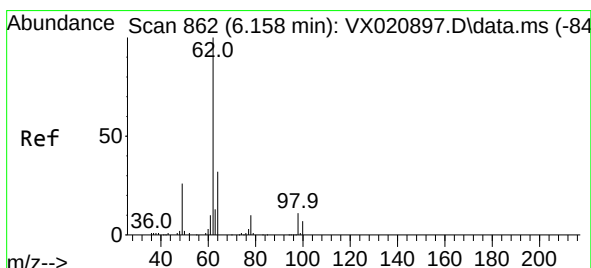
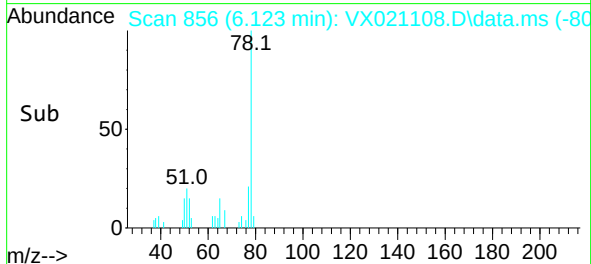
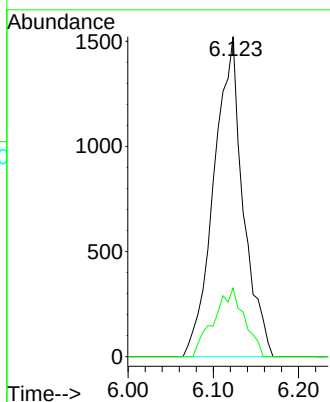
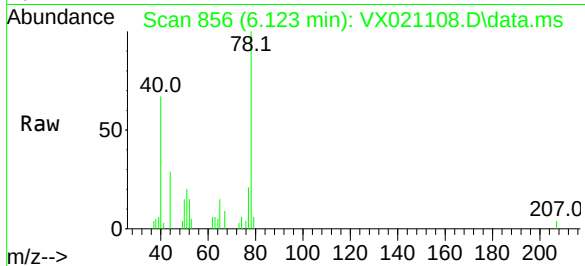




#40
Benzene
Concen: 0.34 ug/l
RT: 6.123 min Scan# 856
Delta R.T. 0.012 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

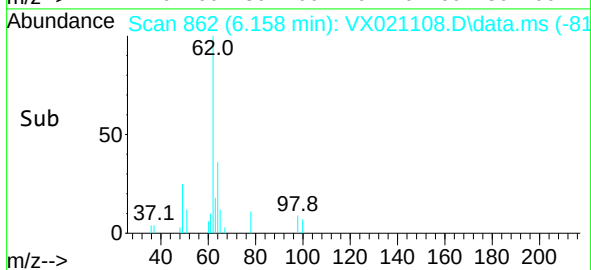
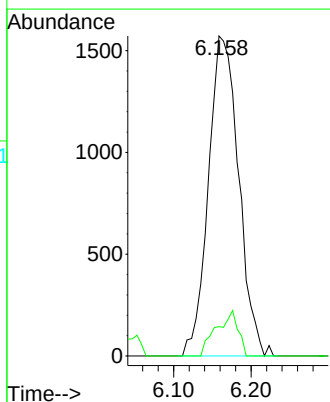
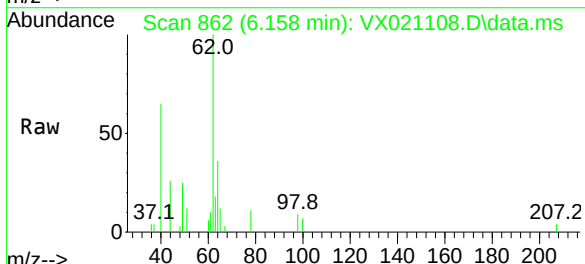
Instrument :
MSVOA_X
ClientSampled :

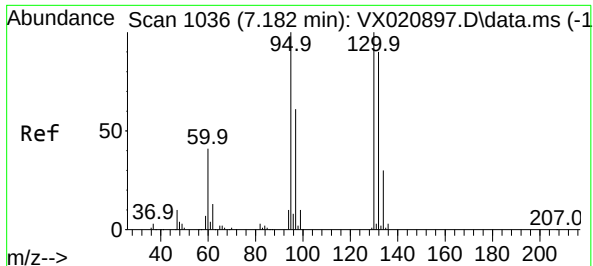
Tgt Ion: 78 Resp: 3627
Ion Ratio Lower Upper
78 100
77 21.4 18.9 28.3



#42
1,2-Dichloroethane
Concen: 1.19 ug/l
RT: 6.158 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 62 Resp: 4268
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2

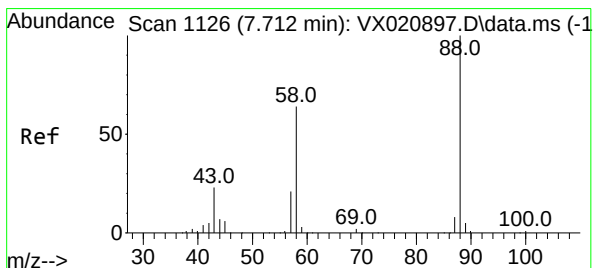
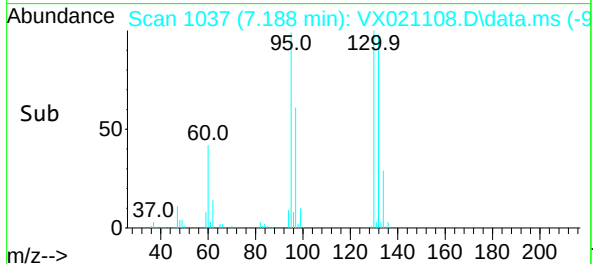
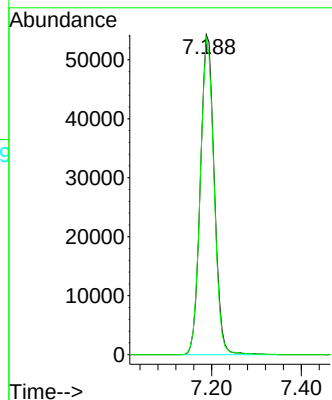
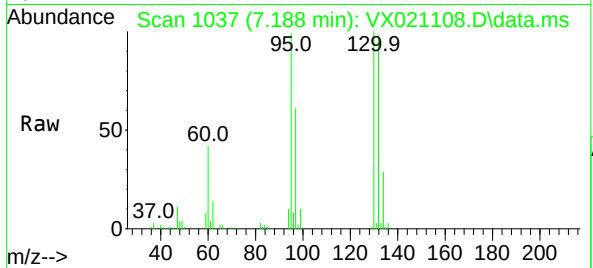




#44
Trichloroethene
Concen: 41.21 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

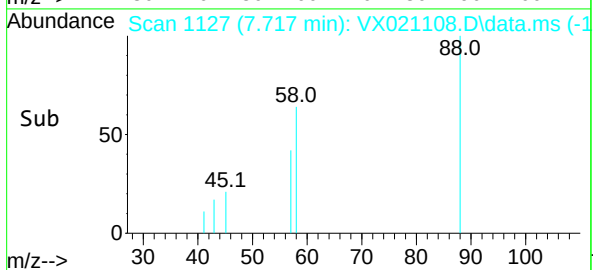
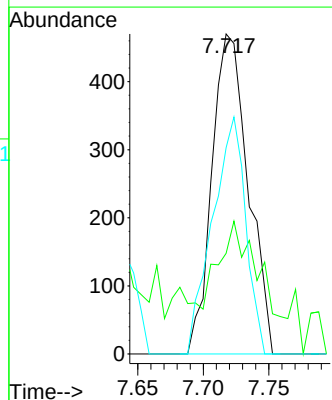
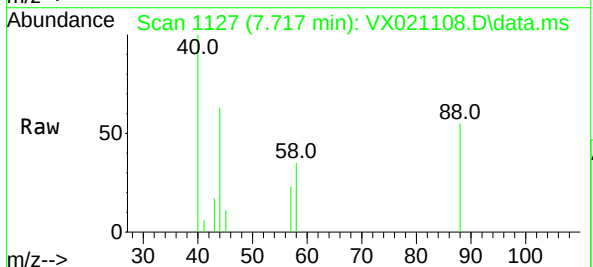
Instrument :
MSVOA_X
ClientSampled :

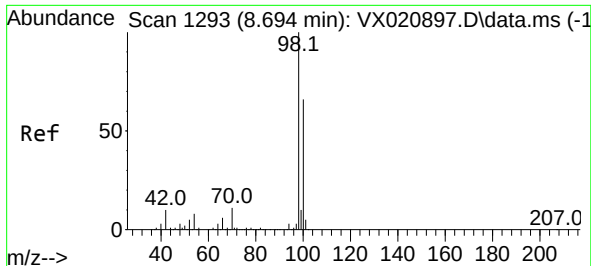
Tgt Ion:130 Resp: 116669
Ion Ratio Lower Upper
130 100
95 98.8 0.0 198.0



#49
1,4-Dioxane
Concen: 13.28 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 88 Resp: 904
Ion Ratio Lower Upper
88 100
43 55.4 23.2 34.8#
58 67.9 55.0 82.4

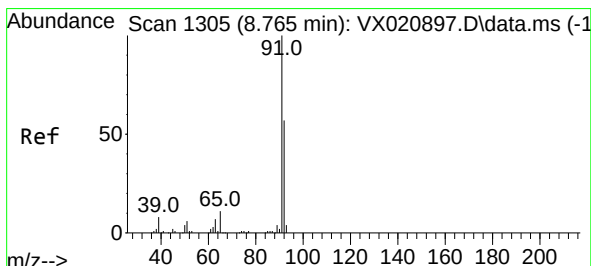
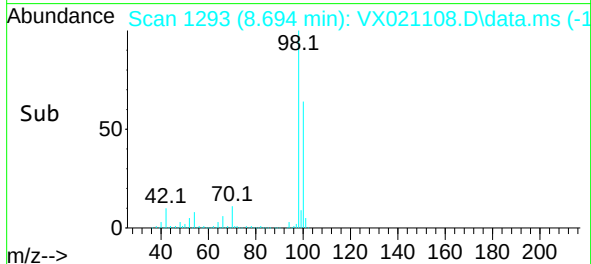
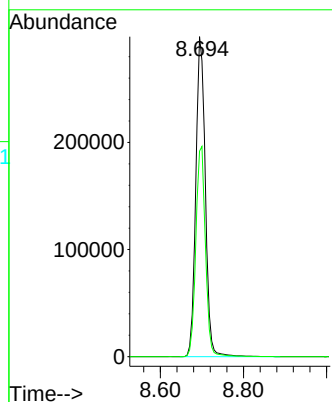
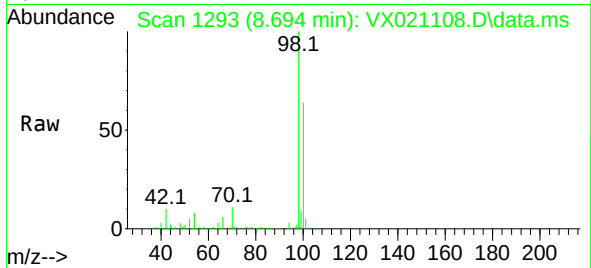




#50
Toluene-d8
Concen: 52.96 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

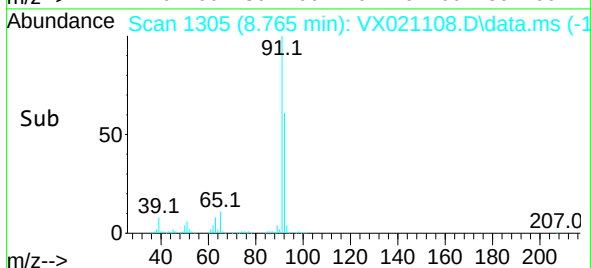
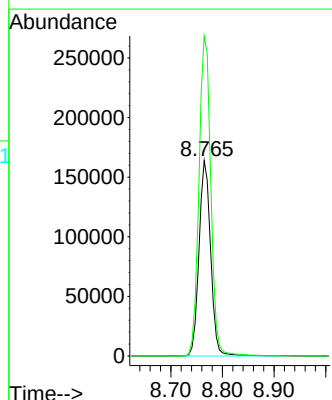
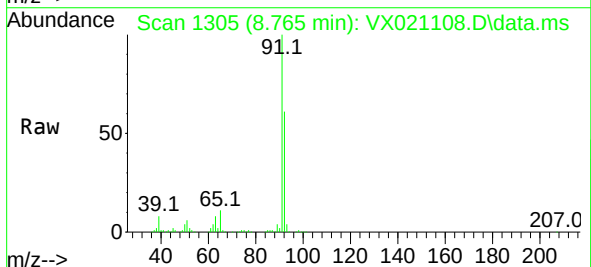
Instrument :
MSVOA_X
ClientSampled :

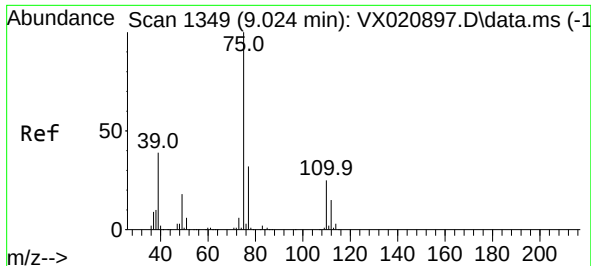
Tgt Ion: 98 Resp: 474218
Ion Ratio Lower Upper
98 100
100 66.6 51.9 77.9



#52
Toluene
Concen: 38.05 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 92 Resp: 255188
Ion Ratio Lower Upper
92 100
91 167.6 137.1 205.7

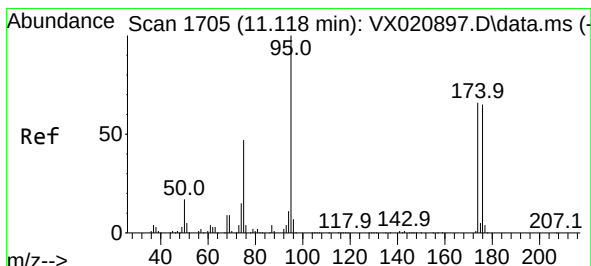
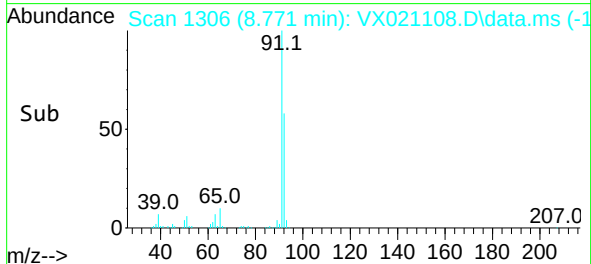
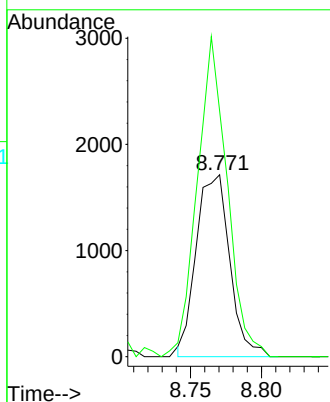
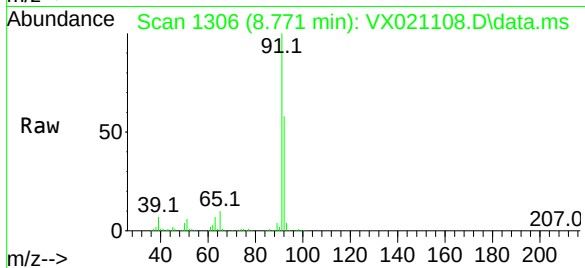




#53
t-1,3-Dichloropropene
Concen: 0.66 ug/l
RT: 8.771 min Scan# 1306
Delta R.T. -0.253 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

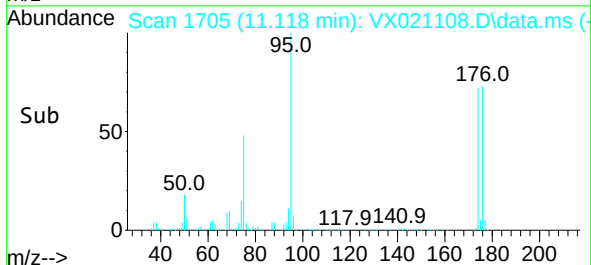
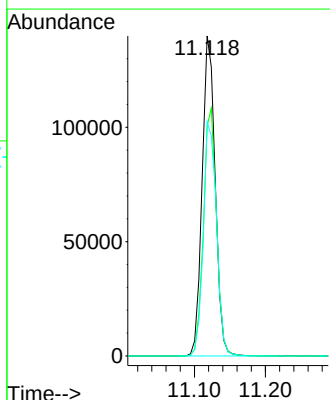
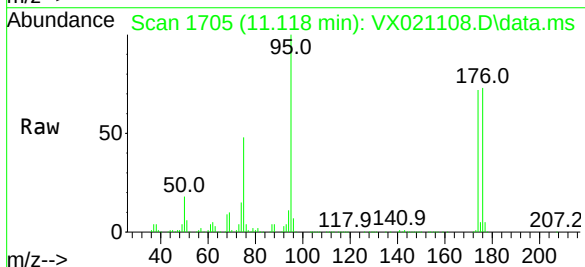
Instrument :
MSVOA_X
ClientSampled :

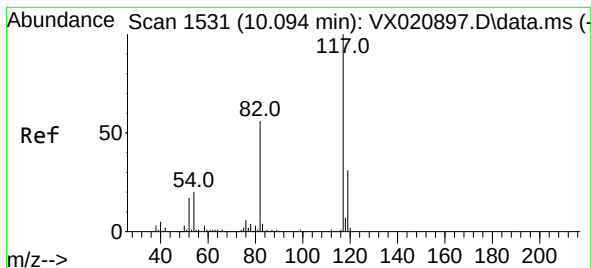
Tgt Ion: 75 Resp: 2804
Ion Ratio Lower Upper
75 100
77 135.0 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 54.13 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 95 Resp: 179216
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 74.0 0.0 155.8

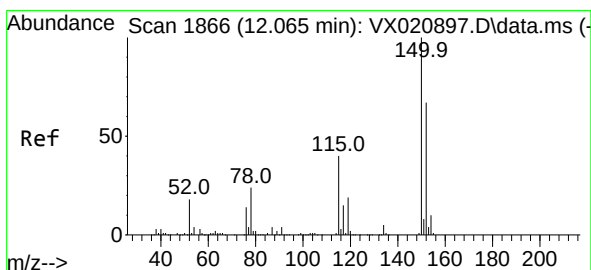
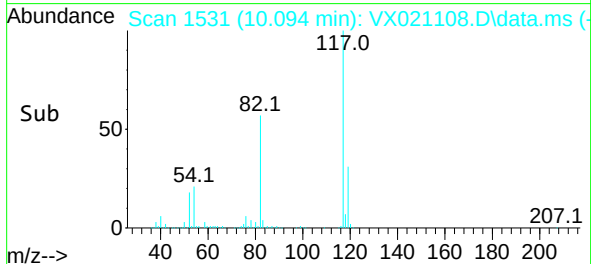
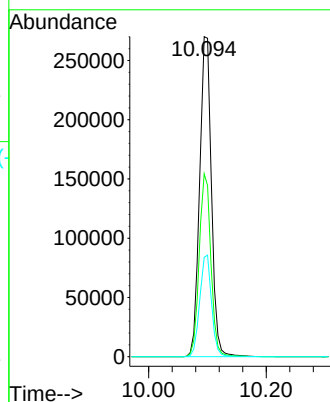
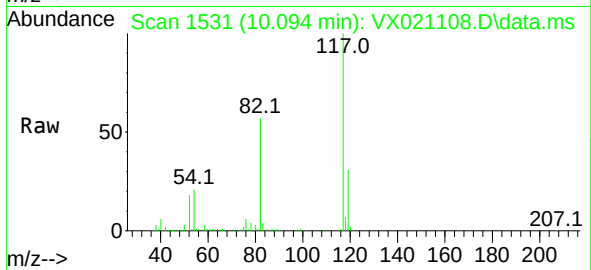




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

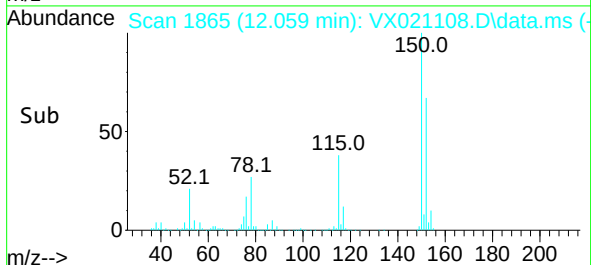
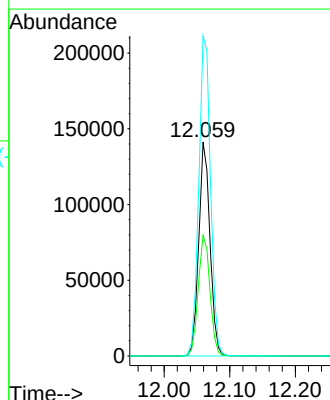
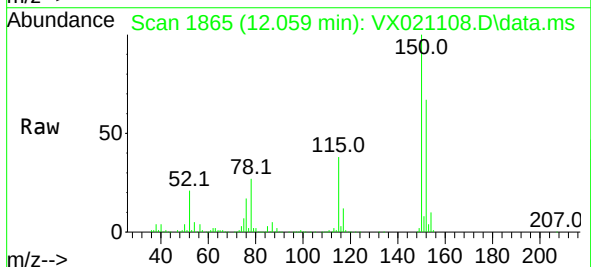
Instrument :
MSVOA_X
ClientSampled :

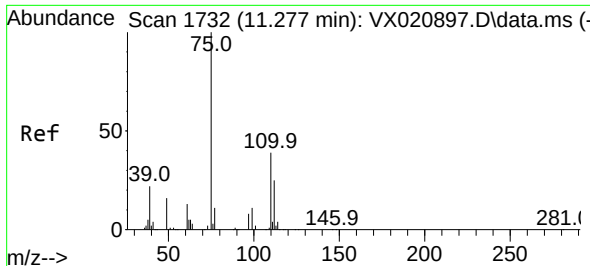
Tgt Ion:117 Resp: 376829
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion:152 Resp: 168923
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 155.7 0.0 349.0

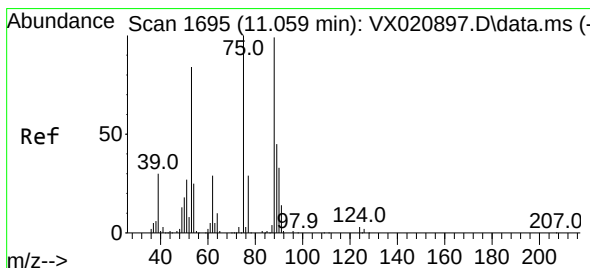
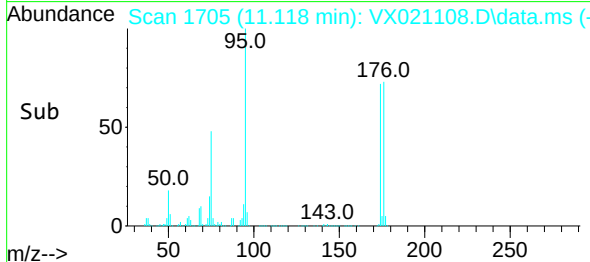
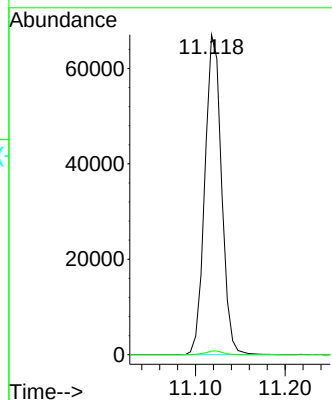
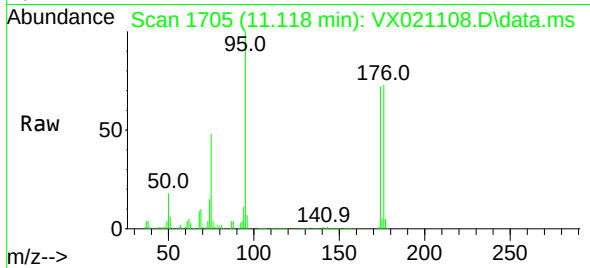




#76
1,2,3-Trichloropropane
Concen: 23.78 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 86400
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.64 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021108.D
Acq: 09 Mar 2021 15:08

Tgt Ion: 75 Resp: 86400
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

