

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021683.D
 Acq On : 31 Mar 2021 14:33
 Operator : JC/MD
 Sample : M1842-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 03:25:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

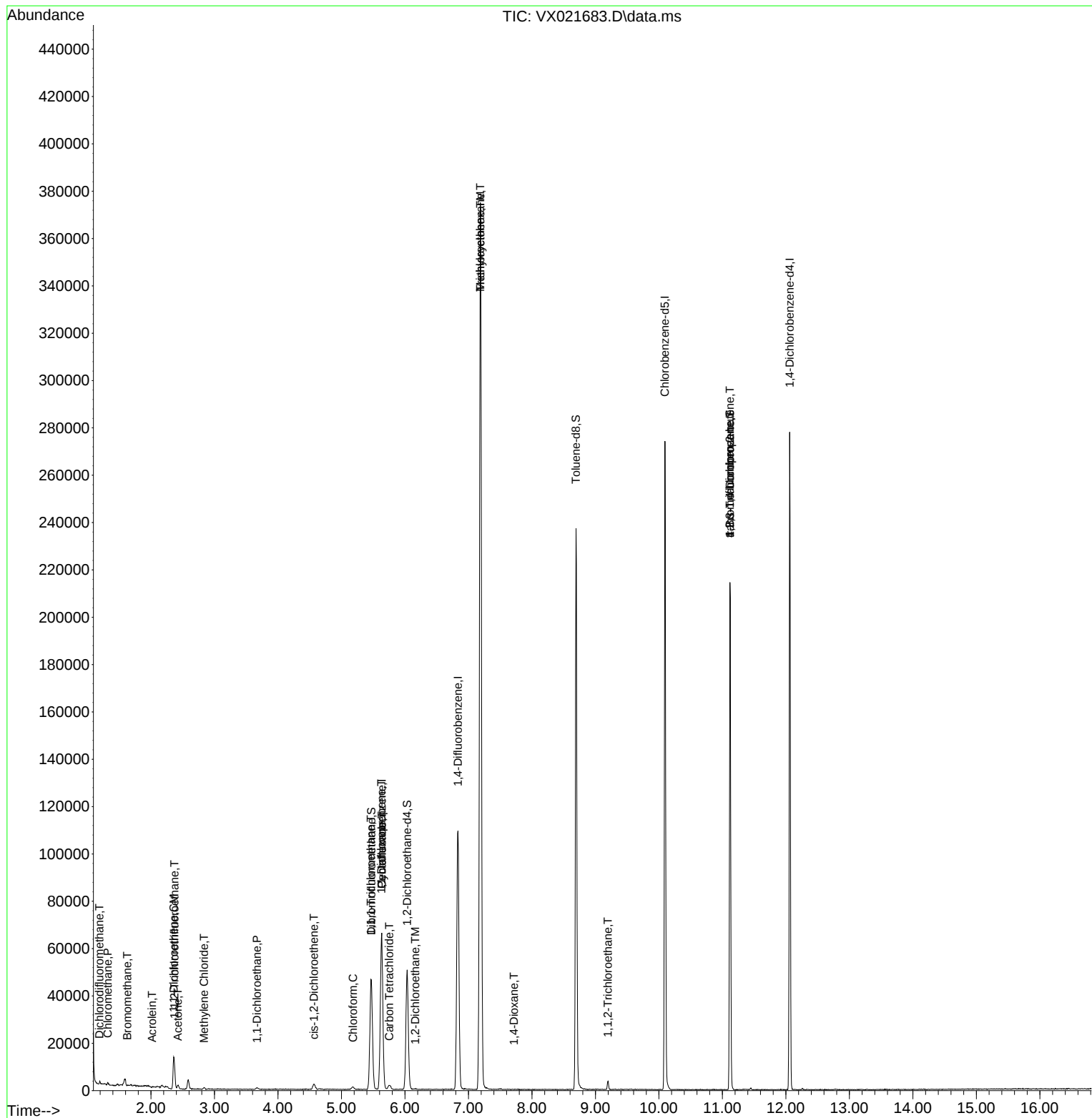
Internal Standards						
1) Pentafluorobenzene	5.635	168	56016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	105000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50527	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	49691	53.31	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.62%	
35) Dibromofluoromethane	5.470	113	37941	50.87	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.74%	
50) Toluene-d8	8.694	98	133577	50.26	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.52%	
62) 4-Bromofluorobenzene	11.118	95	55488	53.70	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	133	0.22	ug/l #	42
3) Chloromethane	1.317	50	987	1.44	ug/l	96
5) Bromomethane	1.628	94	97	0.38	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	2.370	101	3155	5.47	ug/l	95
12) 1,1-Dichloroethene	2.358	96	2179	3.86	ug/l	82
13) Acrolein	2.017	56	20	4.55	ug/l #	70
16) Acetone	2.423	43	1827	5.18	ug/l	95
20) Methylene Chloride	2.834	84	292	0.42	ug/l #	71
24) 1,1-Dichloroethane	3.670	63	913	0.76	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	1498	2.08	ug/l	98
30) Chloroform	5.182	83	1258	0.99	ug/l	98
31) Cyclohexane	5.635	56	1608	1.57	ug/l #	37
32) 1,1,1-Trichloroethane	5.464	97	241	0.21	ug/l #	36
36) 1,1-Dichloropropene	5.629	75	4932	4.79	ug/l #	50
38) Carbon Tetrachloride	5.753	117	1571	1.42	ug/l	88
39) Methylcyclohexane	7.188	83	1887	1.65	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	364	0.29	ug/l #	73
44) Trichloroethene	7.188	130	130747	169.59	ug/l	98
49) 1,4-Dioxane	7.717	88	70	3.79	ug/l #	40
55) 1,1,2-Trichloroethane	9.194	97	939	1.23	ug/l	99
76) 1,2,3-Trichloropropane	11.118	75	31193	26.52	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31193	80.77	ug/l #	12

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

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration

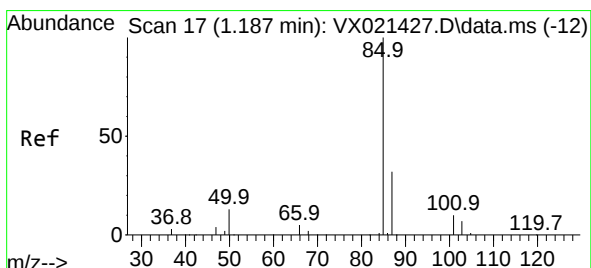
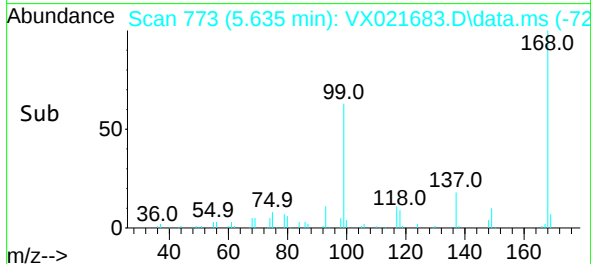
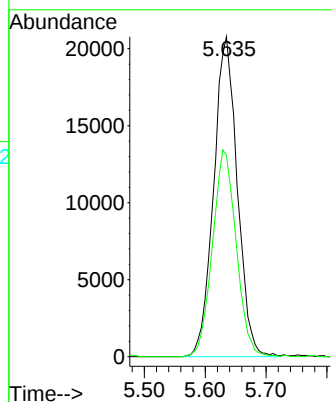
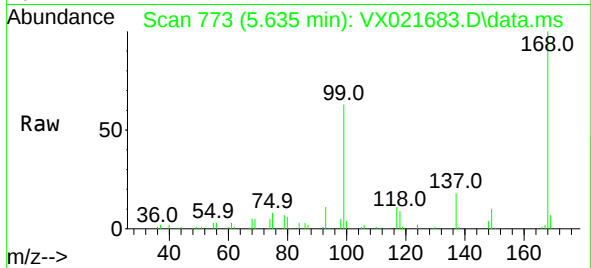




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

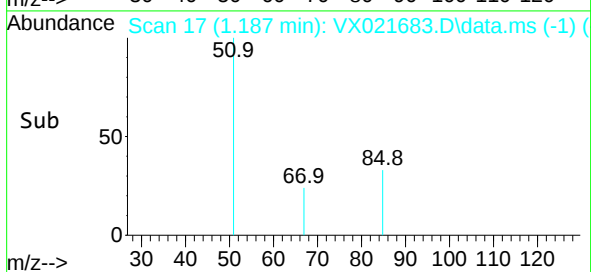
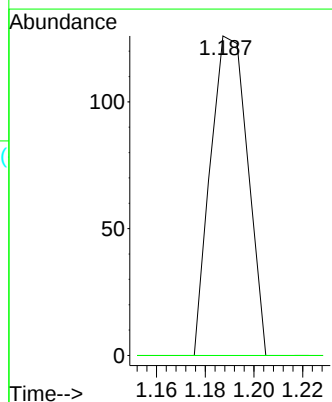
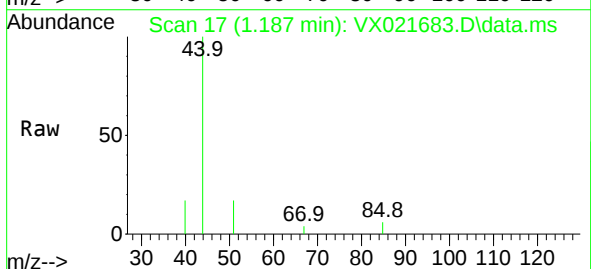
Instrument :
MSVOA_X
ClientSampleId :

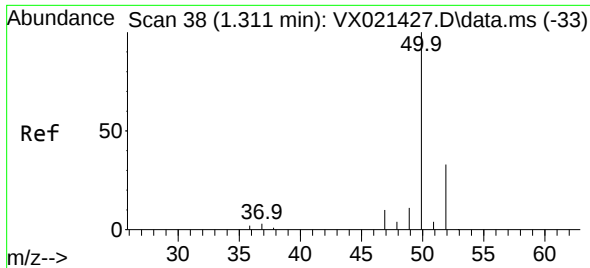
Tgt Ion:168 Resp: 56016
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.22 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 85 Resp: 133
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

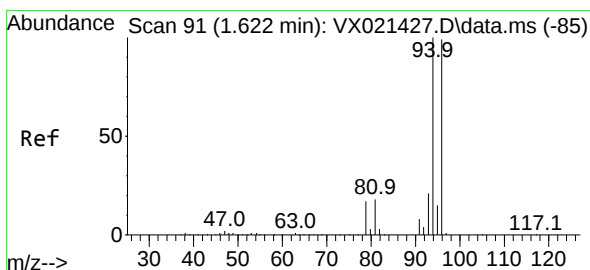
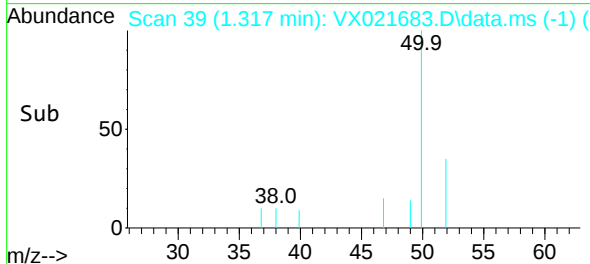
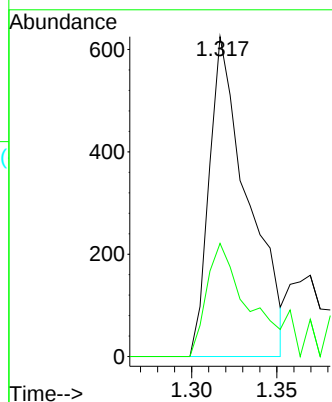
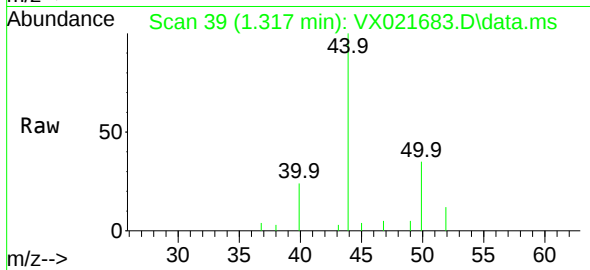




#3
Chloromethane
Concen: 1.44 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

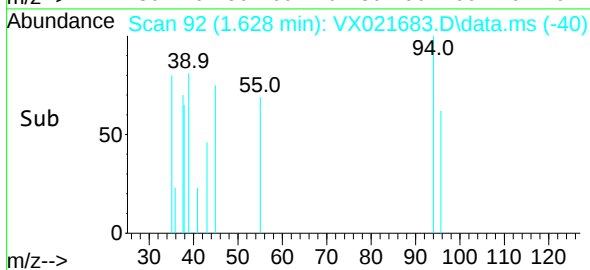
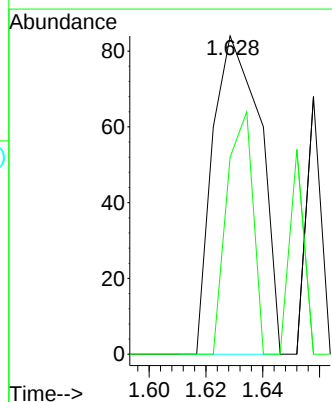
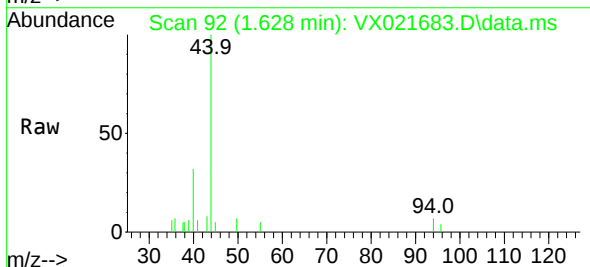
Instrument :
MSVOA_X
ClientSampled :

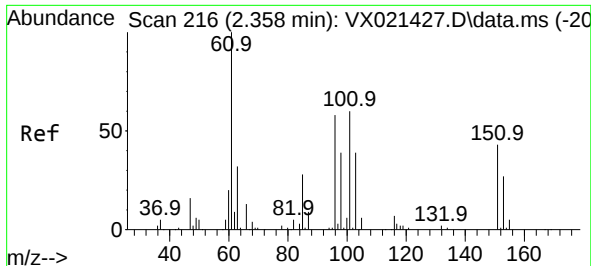
Tgt Ion: 50 Resp: 987
Ion Ratio Lower Upper
50 100
52 35.4 26.4 39.6



#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 94 Resp: 97
Ion Ratio Lower Upper
94 100
96 61.9 76.4 114.6#

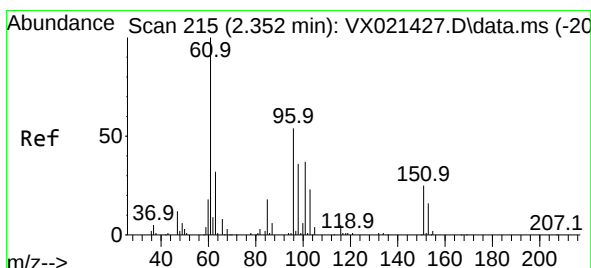
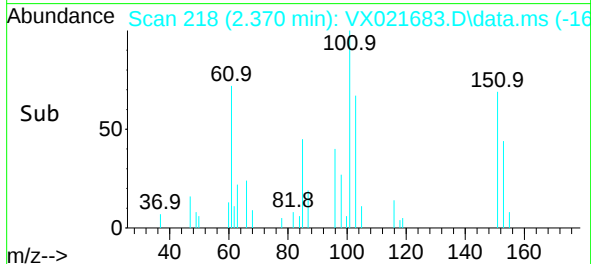
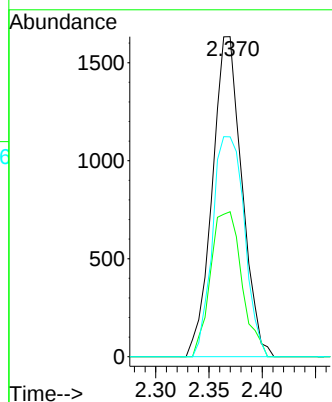
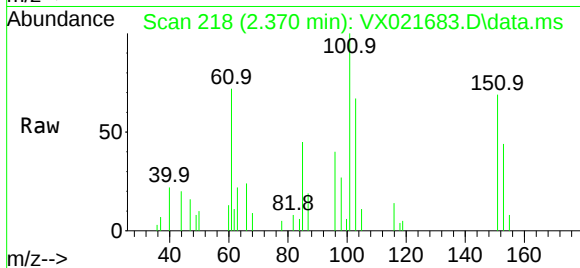




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.47 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

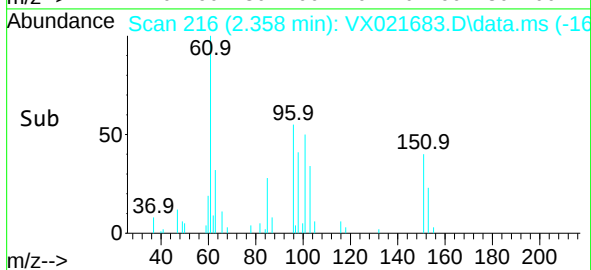
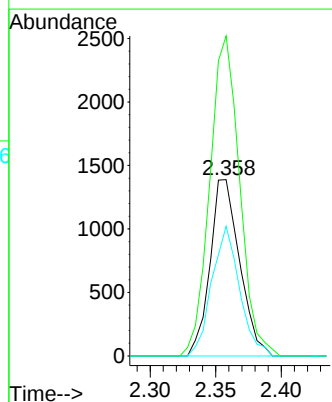
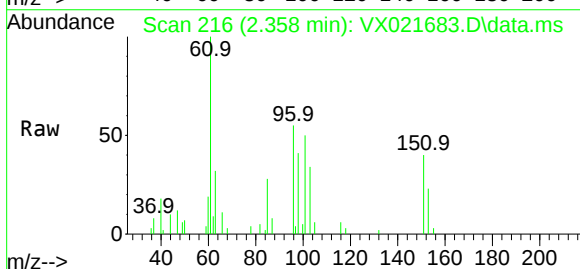
Instrument :
MSVOA_X
ClientSampled :

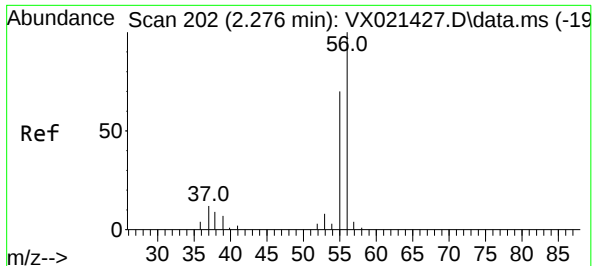
Tgt Ion:101 Resp: 3155
Ion Ratio Lower Upper
101 100
85 47.9 34.9 52.3
151 73.9 61.4 92.2



#12
1,1-Dichloroethene
Concen: 3.86 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 96 Resp: 2179
Ion Ratio Lower Upper
96 100
61 181.4 124.6 187.0
98 73.5 50.6 76.0

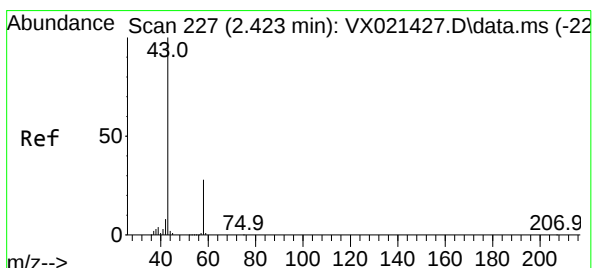
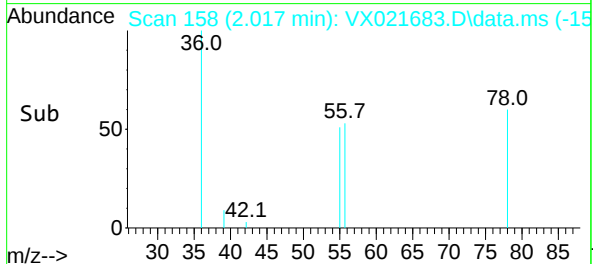
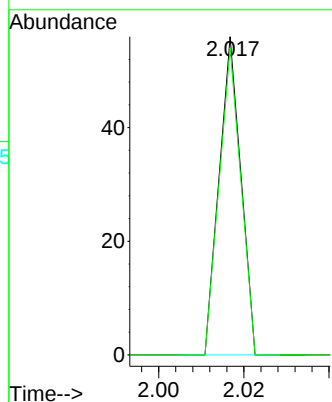
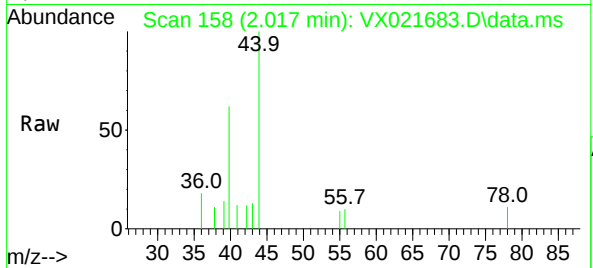




#13
Acrolein
Concen: 4.55 ug/l
RT: 2.017 min Scan# 158
Delta R.T. -0.259 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

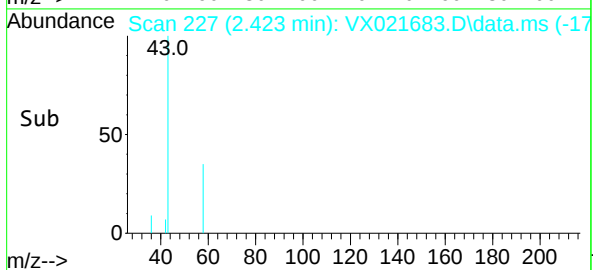
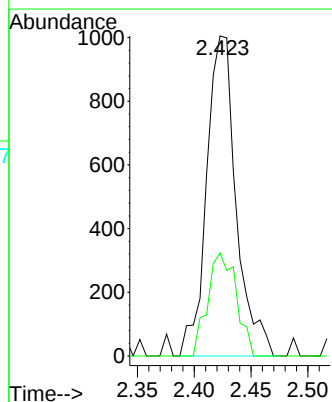
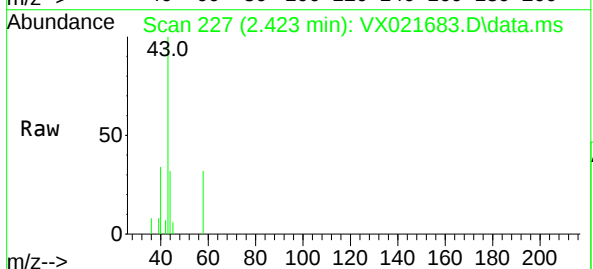
Instrument :
MSVOA_X
ClientSampled :

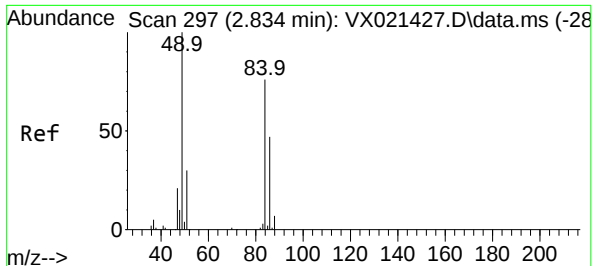
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 95.0 56.4 84.6#



#16
Acetone
Concen: 5.18 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

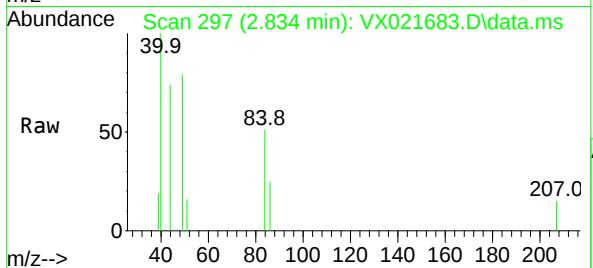
Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8





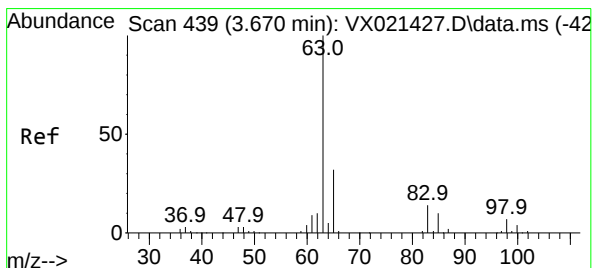
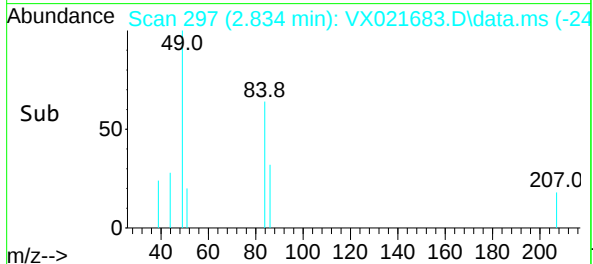
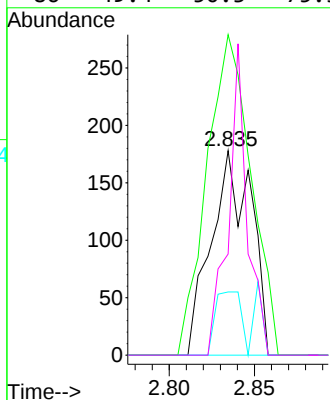
#20
Methylene Chloride
Concen: 0.42 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 292

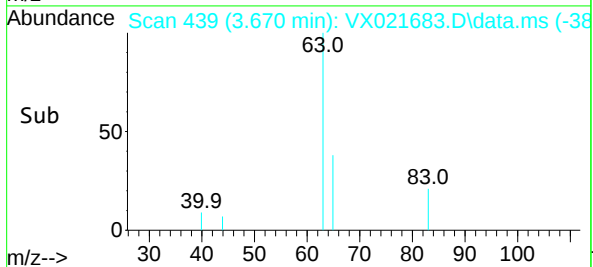
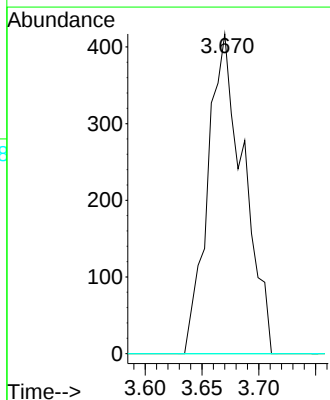
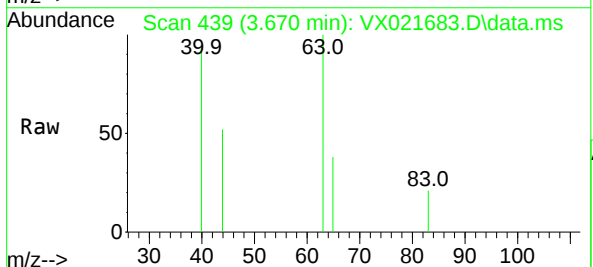
Ion	Ratio	Lower	Upper
84	100		
49	156.7	88.6	132.8#
51	30.9	27.0	40.6
86	49.4	50.3	75.5#

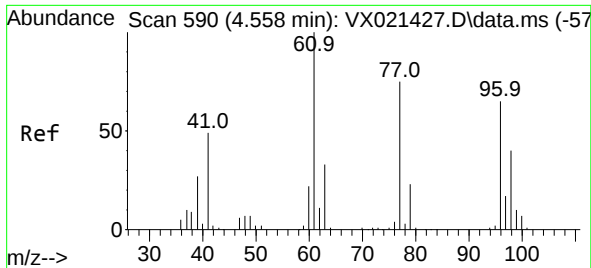


#24
1,1-Dichloroethane
Concen: 0.76 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 63 Resp: 913

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#





#27

cis-1,2-Dichloroethene

Concen: 2.08 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

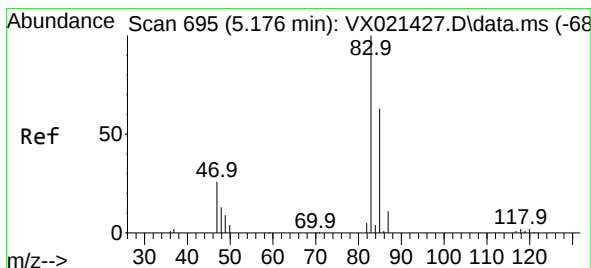
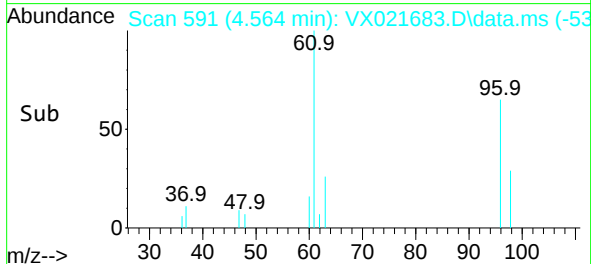
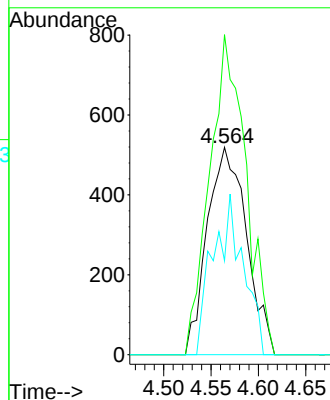
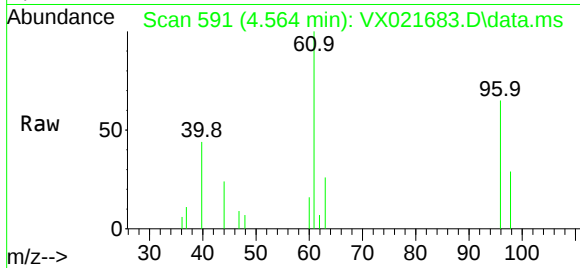
Lab File: VX021683.D

Acq: 31 Mar 2021 14:33

Tgt Ion: 96 Resp: 1498

Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	285.6
98	59.4	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#30

Chloroform

Concen: 0.99 ug/l

RT: 5.182 min Scan# 696

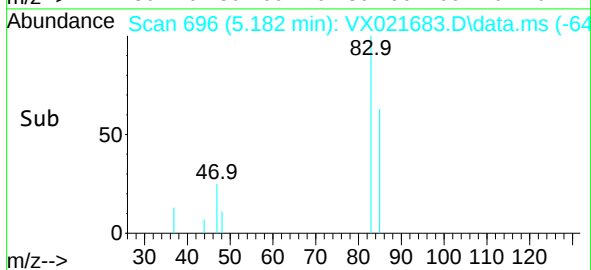
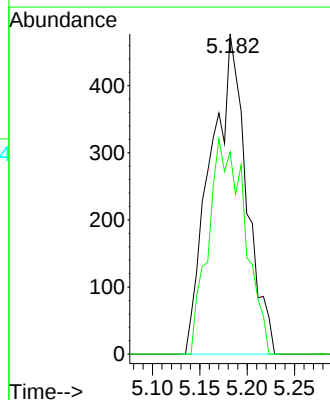
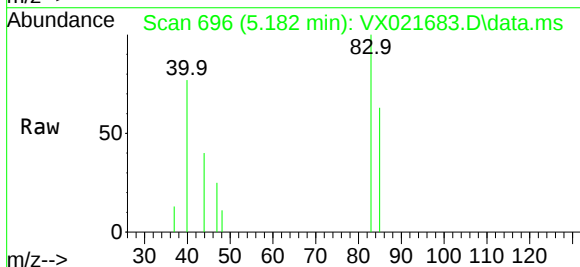
Delta R.T. 0.006 min

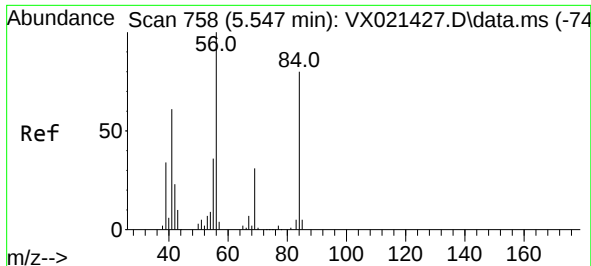
Lab File: VX021683.D

Acq: 31 Mar 2021 14:33

Tgt Ion: 83 Resp: 1258

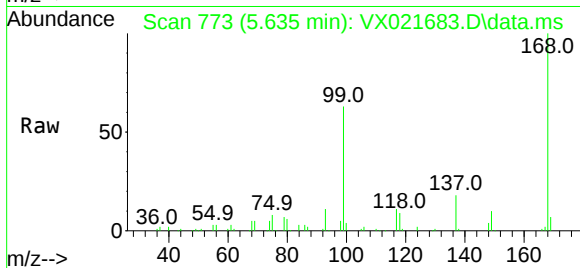
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.0	78.0



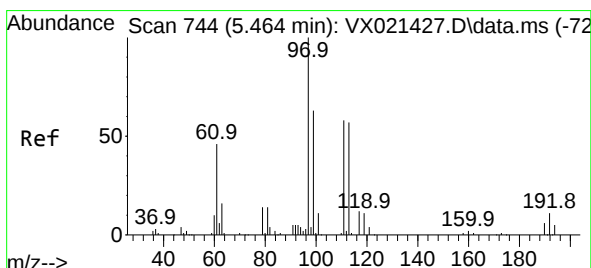
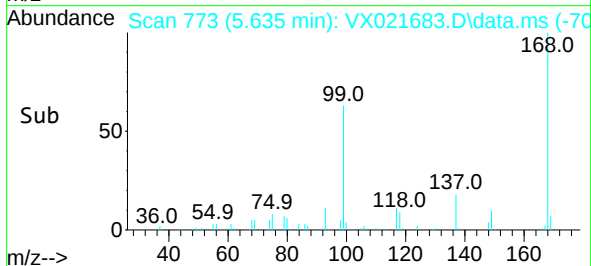
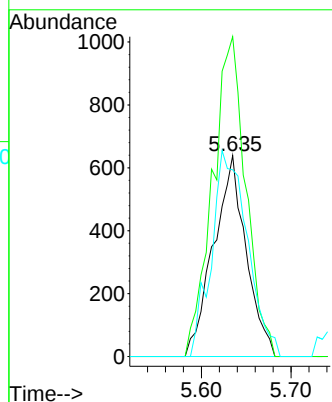


#31
Cyclohexane
Concen: 1.57 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Instrument :
MSVOA_X
ClientSampled :

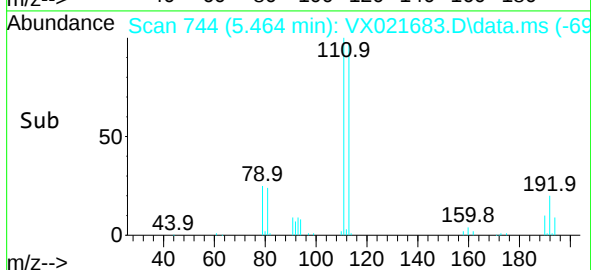
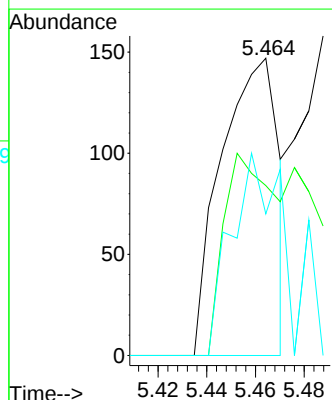
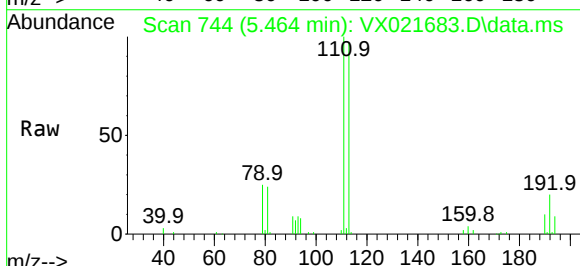


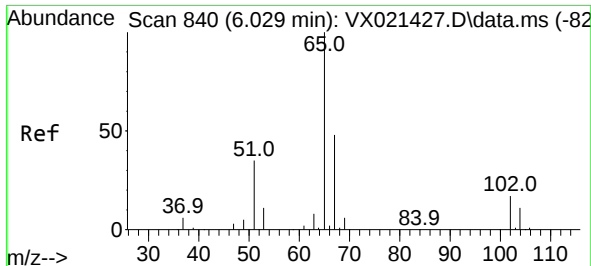
Tgt Ion: 56 Resp: 1608
Ion Ratio Lower Upper
56 100
69 159.2 25.3 37.9#
84 93.0 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.21 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 97 Resp: 241
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 65.6 34.2 51.4#

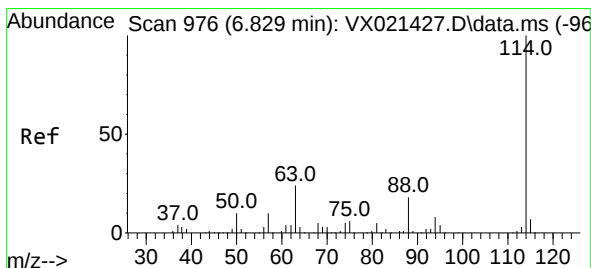
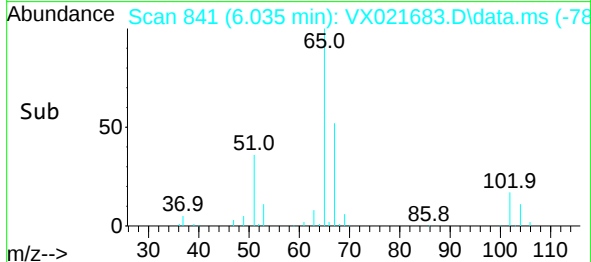
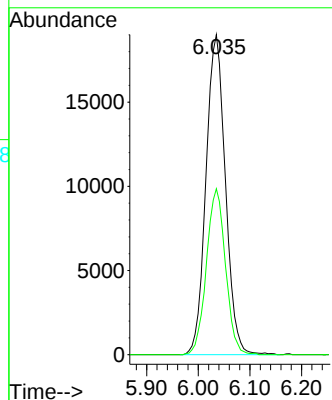
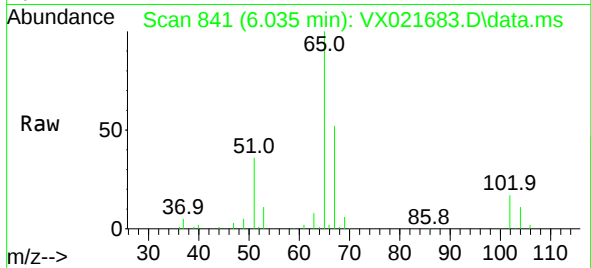




#33
 1,2-Dichloroethane-d4
 Concen: 53.31 ug/l
 RT: 6.035 min Scan# 841
 Delta R.T. 0.006 min
 Lab File: VX021683.D
 Acq: 31 Mar 2021 14:33

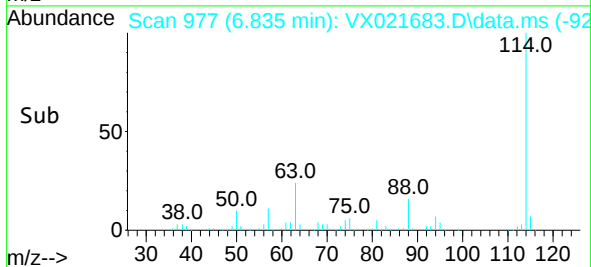
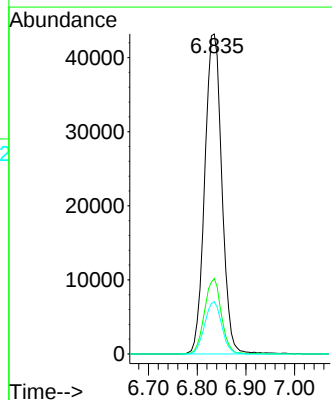
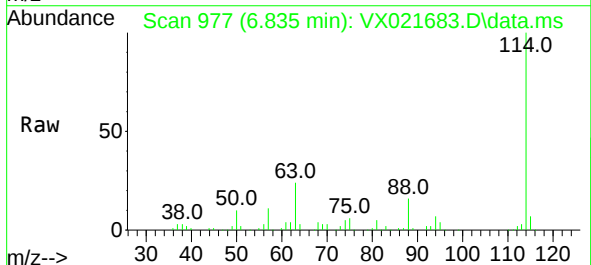
Instrument :
 MSVOA_X
 ClientSampleId :

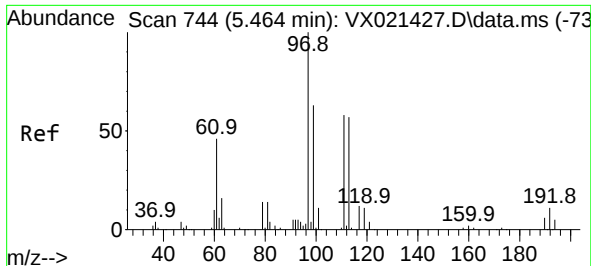
Tgt Ion: 65 Resp: 49691
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.835 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VX021683.D
 Acq: 31 Mar 2021 14:33

Tgt Ion: 114 Resp: 105000
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 40.8
 88 16.3 0.0 32.8

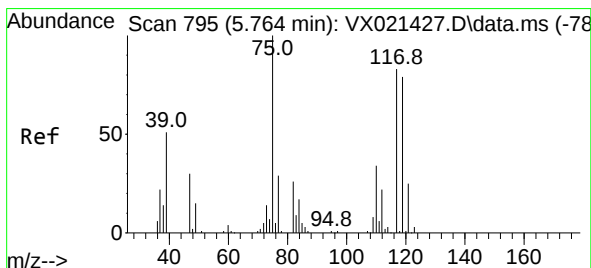
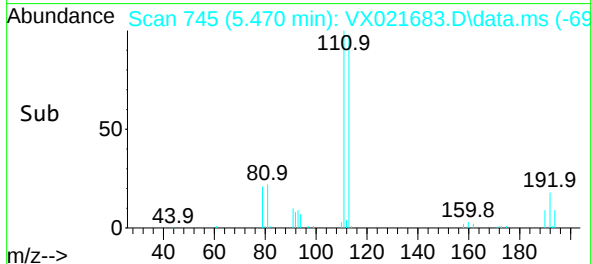
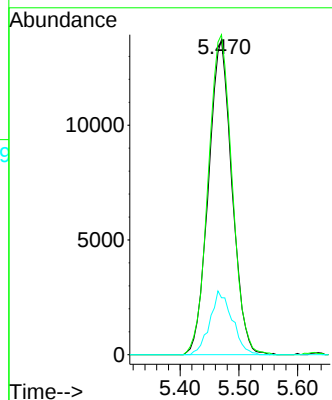
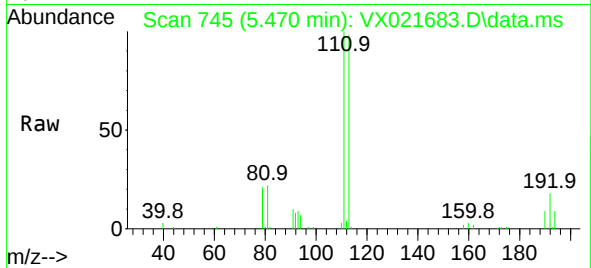




#35
Dibromofluoromethane
Concen: 50.87 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

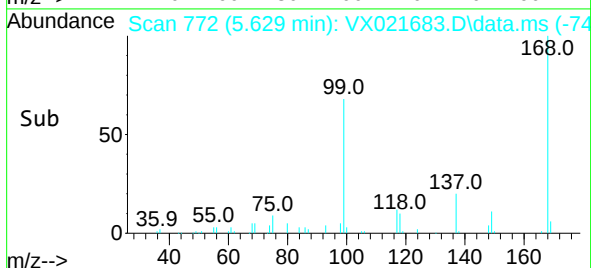
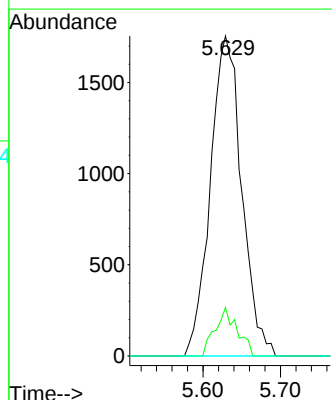
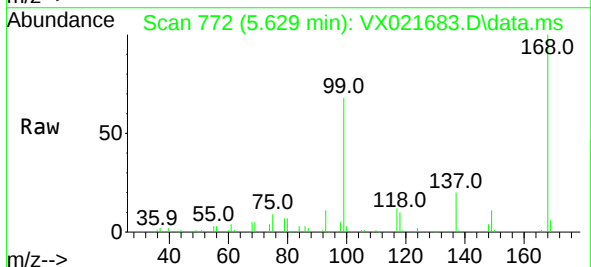
Instrument :
MSVOA_X
ClientSampled :

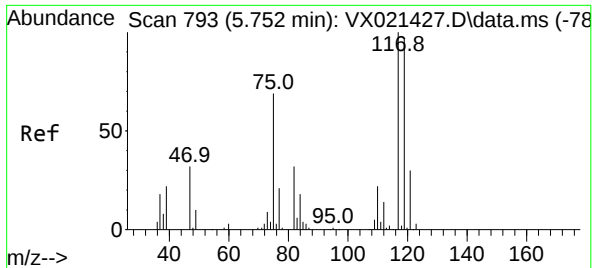
Tgt Ion:113 Resp: 37941
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 75 Resp: 4932
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.4#
77 0.0 25.3 37.9#

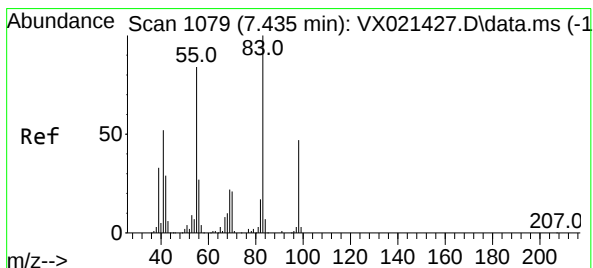
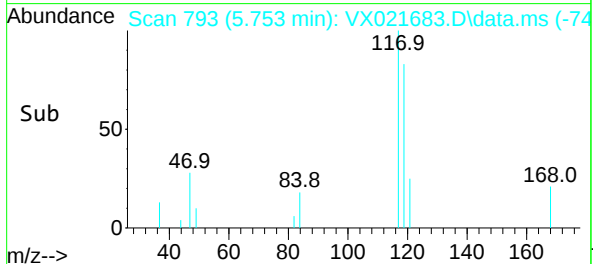
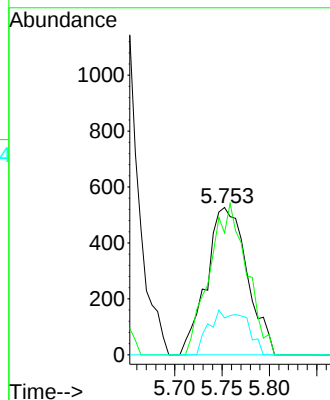
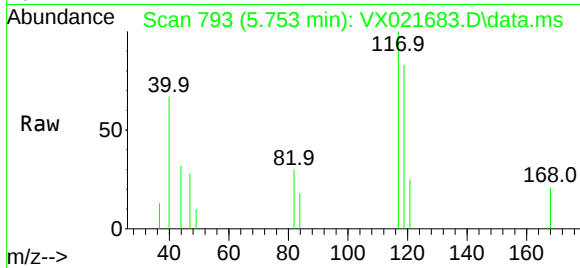




#38
Carbon Tetrachloride
Concen: 1.42 ug/l
RT: 5.753 min Scan# 793
Delta R.T. 0.001 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

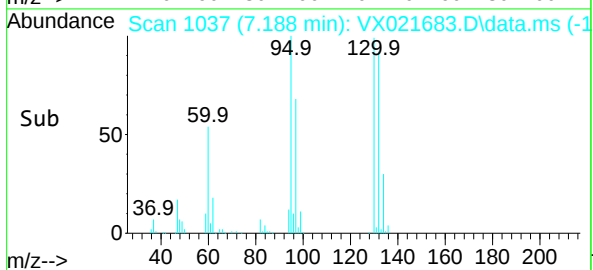
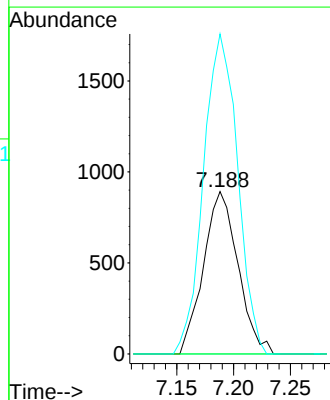
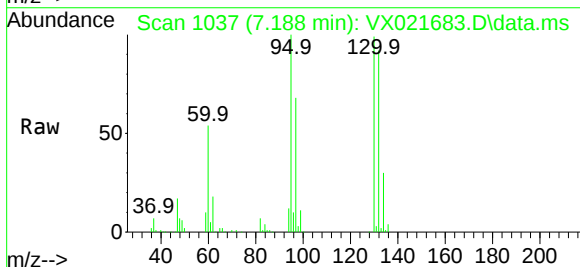
Instrument :
MSVOA_X
ClientSampleId :

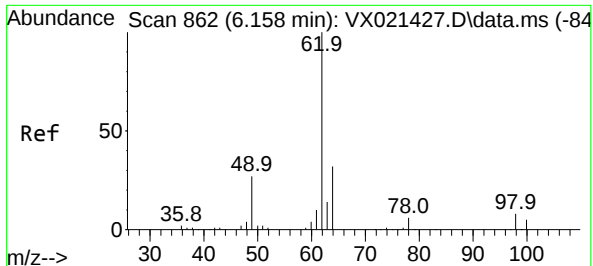
Tgt Ion:117 Resp: 1571
Ion Ratio Lower Upper
117 100
119 82.7 76.2 114.2
121 25.0 24.8 37.2



#39
Methylcyclohexane
Concen: 1.65 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 83 Resp: 1887
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 197.1 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.29 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.006 min

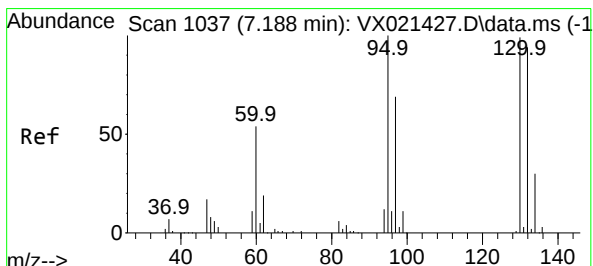
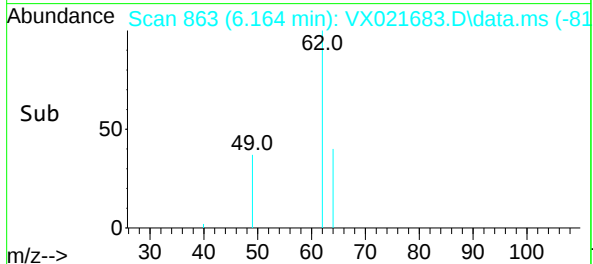
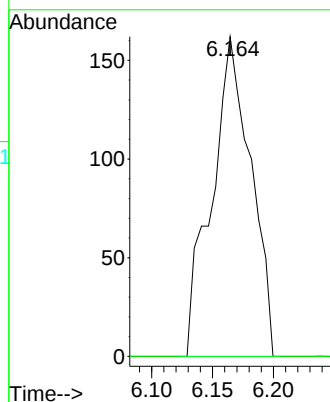
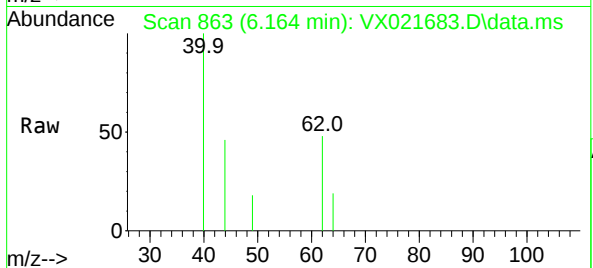
Lab File: VX021683.D

Acq: 31 Mar 2021 14:33

Tgt Ion: 62 Resp: 364

Ion Ratio Lower Upper

62 100
98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 169.59 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

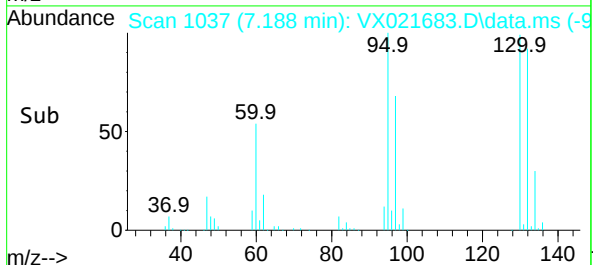
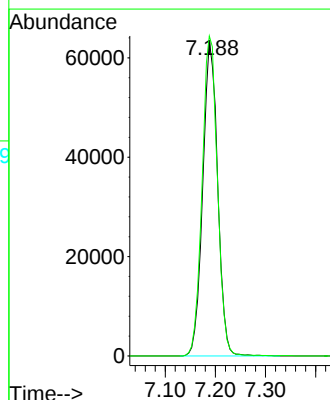
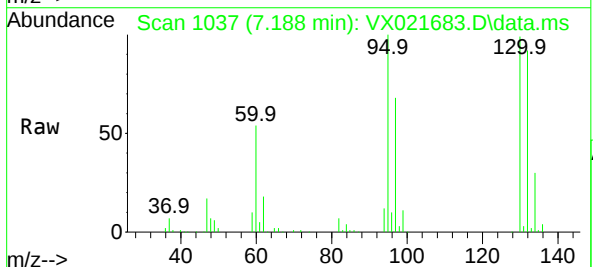
Lab File: VX021683.D

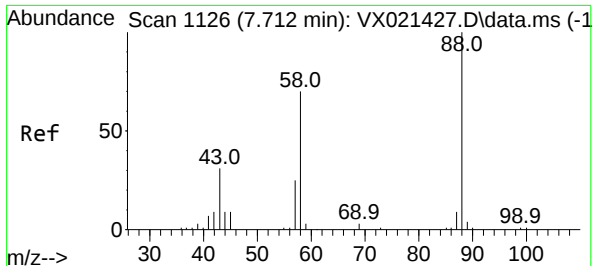
Acq: 31 Mar 2021 14:33

Tgt Ion:130 Resp: 130747

Ion Ratio Lower Upper

130 100
95 101.4 0.0 198.0





#49

1,4-Dioxane

Concen: 3.79 ug/l

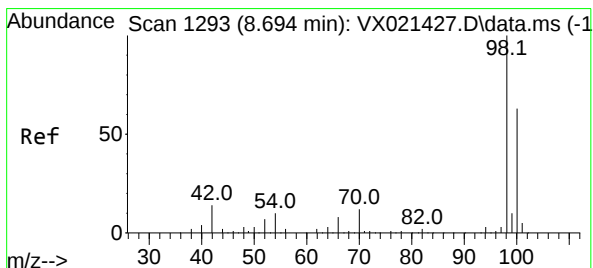
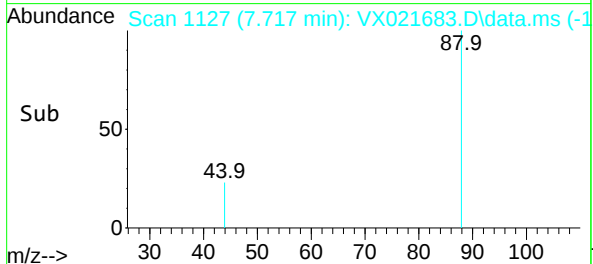
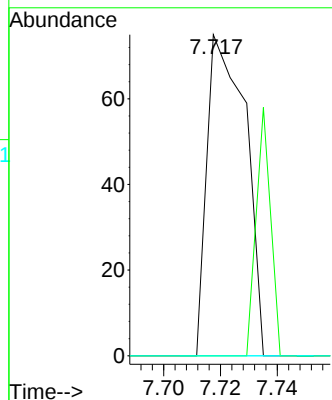
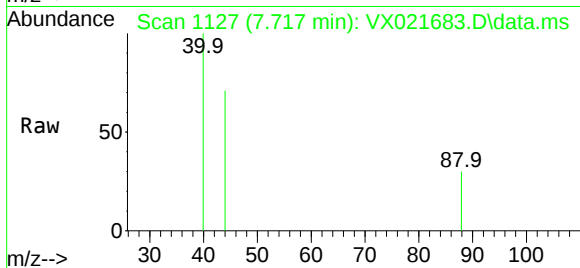
RT: 7.717 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VX021683.D

Acq: 31 Mar 2021 14:33

Tgt Ion: 88	Resp: 70
Ion Ratio	Lower Upper
88 100	
43 28.6	23.2 34.8
58 0.0	55.0 82.4#



#50

Toluene-d8

Concen: 50.26 ug/l

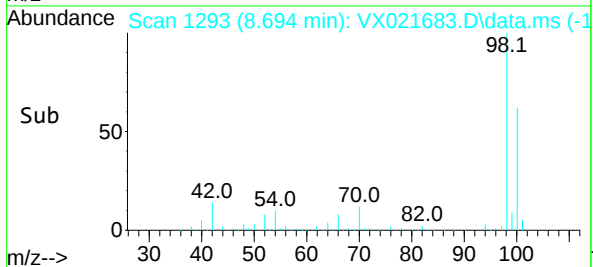
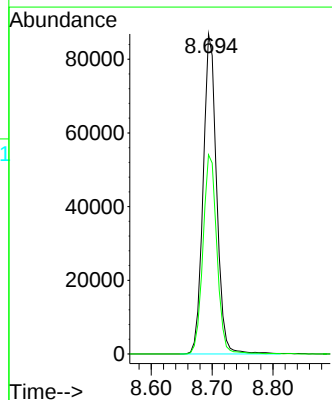
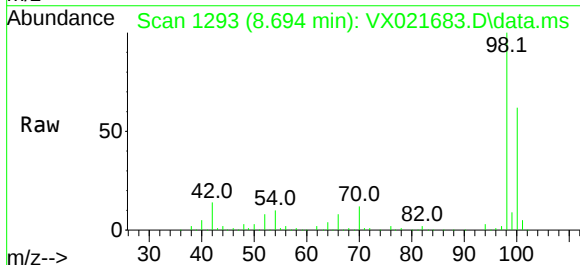
RT: 8.694 min Scan# 1293

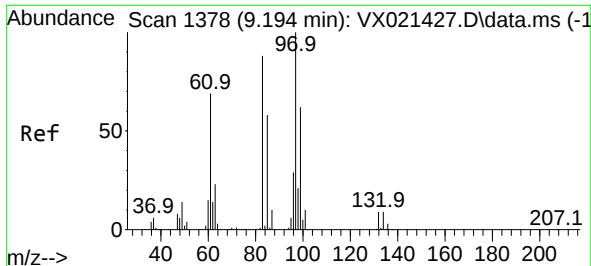
Delta R.T. 0.000 min

Lab File: VX021683.D

Acq: 31 Mar 2021 14:33

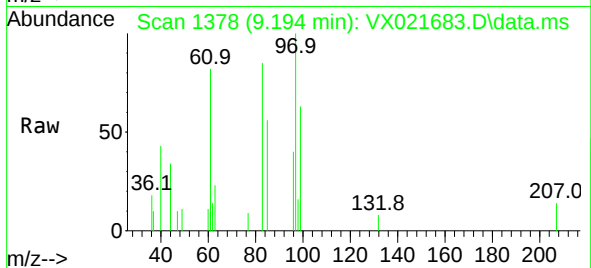
Tgt Ion: 98	Resp: 133577
Ion Ratio	Lower Upper
98 100	
100 64.2	51.9 77.9



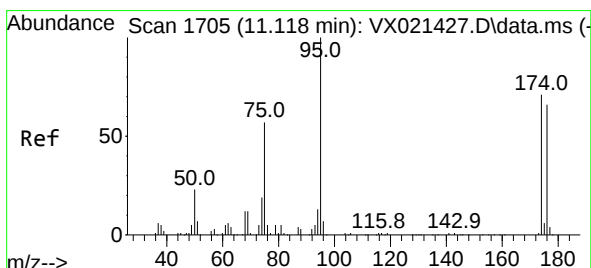
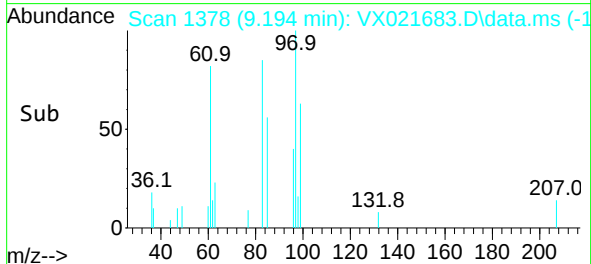
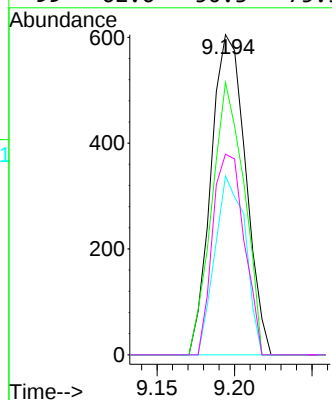


#55
1,1,2-Trichloroethane
Concen: 1.23 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Instrument :
MSVOA_X
ClientSampled :

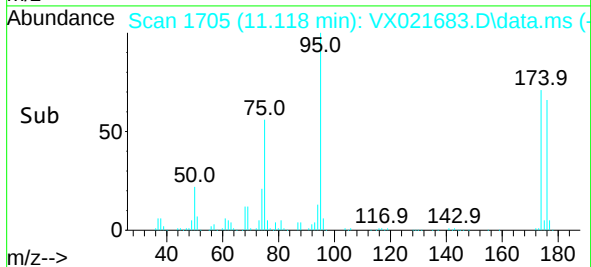
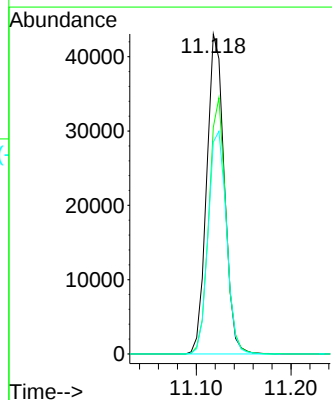
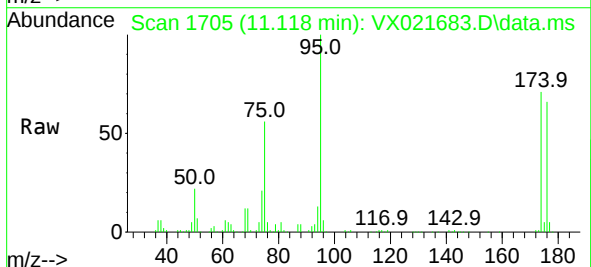


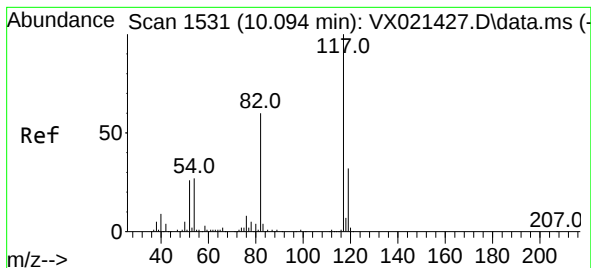
Tgt Ion:	97	Resp:	939
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.3	103.9
85	55.9	44.3	66.5
99	62.6	50.3	75.5



#62
4-Bromofluorobenzene
Concen: 53.70 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion:	95	Resp:	55488
Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	154.6
176	71.9	0.0	155.8

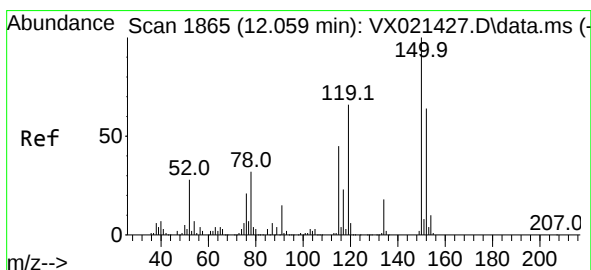
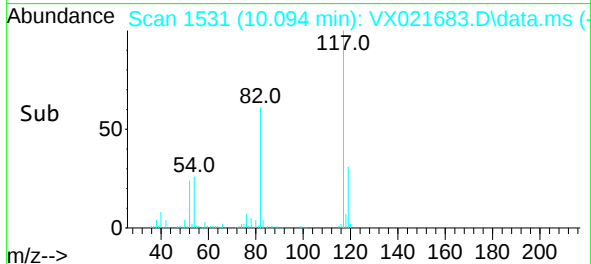
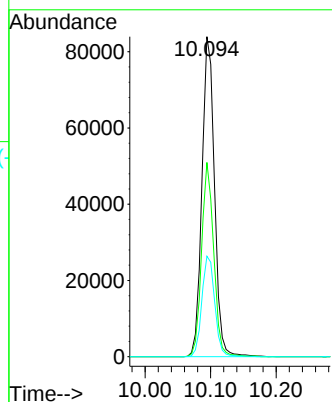
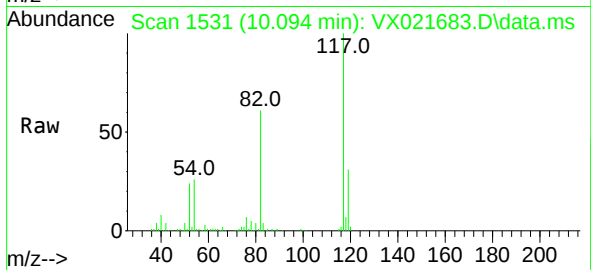




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

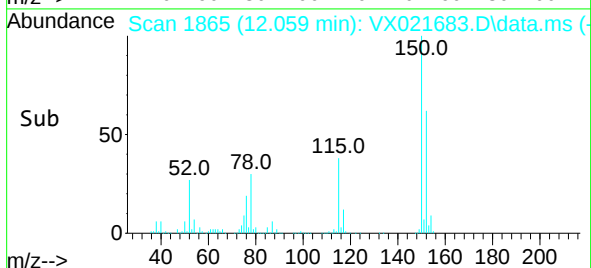
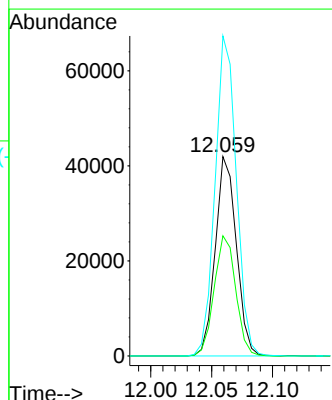
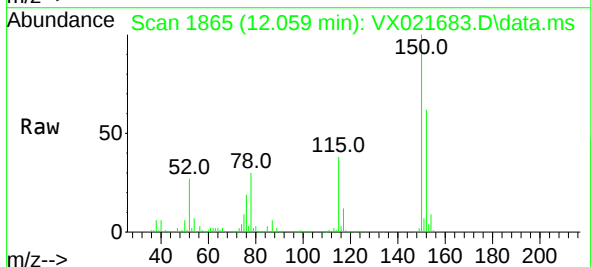
Instrument :
MSVOA_X
ClientSampled :

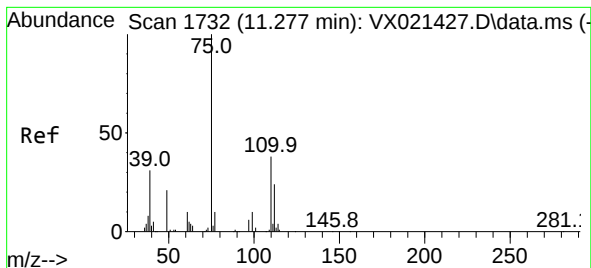
Tgt Ion:117 Resp: 112115
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion:152 Resp: 50527
Ion Ratio Lower Upper
152 100
115 61.7 41.1 123.3
150 161.8 0.0 349.0

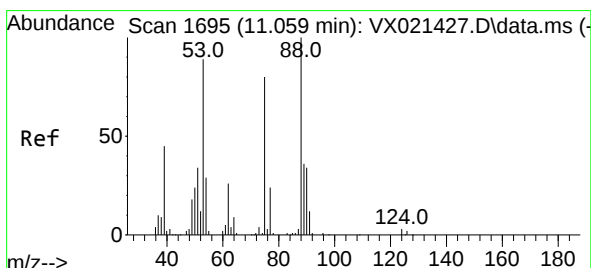
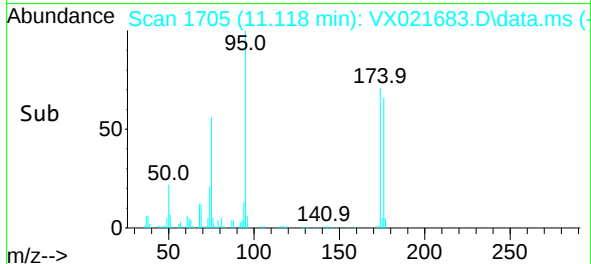
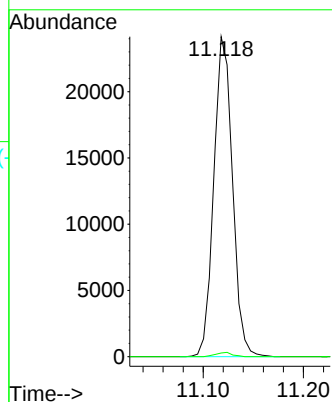
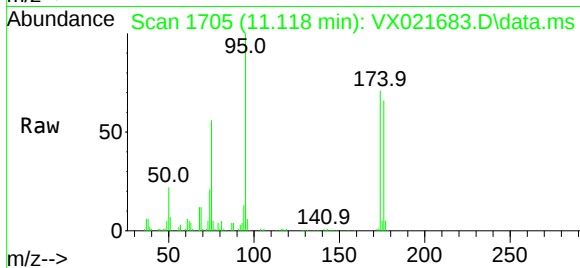




#76
1,2,3-Trichloropropane
Concen: 26.52 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 31193
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.77 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021683.D
Acq: 31 Mar 2021 14:33

Tgt Ion: 75 Resp: 31193
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

