

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021317.D
 Acq On : 19 Mar 2021 21:07
 Operator : JC/MD
 Sample : M1736-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20210317

Quant Time: Mar 20 06:37:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

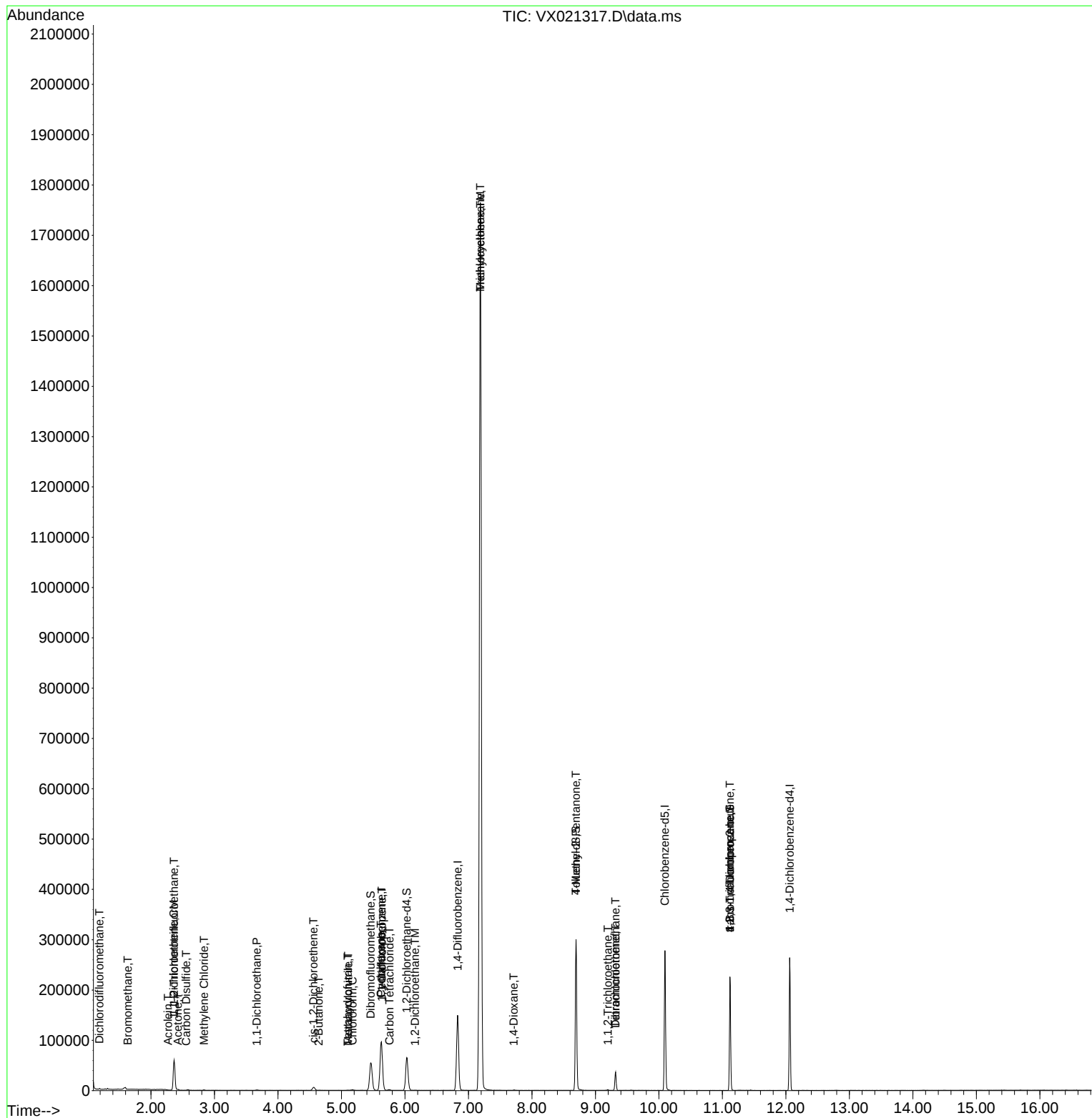
Internal Standards						
1) Pentafluorobenzene	5.629	168	82828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	135383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47082	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	64380	47.39	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.78%
35) Dibromofluoromethane	5.458	113	46248	50.20	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.40%
50) Toluene-d8	8.694	98	166643	49.86	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.72%
62) 4-Bromofluorobenzene	11.118	95	57661	44.42	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.84%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	415	0.42	ug/l	84
3) Chloromethane	1.317	50	1895	Below	Cal	99
5) Bromomethane	1.634	94	136	0.31	ug/l #	63
9) 1,1,2-Trichlorotrifluo...	2.364	101	21061	24.33	ug/l	96
12) 1,1-Dichloroethene	2.358	96	2235	2.65	ug/l #	83
13) Acrolein	2.270	56	19	3.26	ug/l #	14
16) Acetone	2.423	43	1116	2.23	ug/l	99
17) Carbon Disulfide	2.552	76	179	0.61	ug/l #	75
20) Methylene Chloride	2.834	84	367	0.36	ug/l #	72
24) 1,1-Dichloroethane	3.664	63	984	0.55	ug/l #	81
25) 2-Butanone	4.640	43	296	0.39	ug/l #	45
27) cis-1,2-Dichloroethene	4.558	96	3548	3.28	ug/l	99
29) Tetrahydrofuran	5.099	42	339	0.67	ug/l #	37
30) Chloroform	5.176	83	1299	0.69	ug/l #	75
31) Cyclohexane	5.623	56	2281	1.39	ug/l #	43
36) 1,1-Dichloropropene	5.635	75	7492	5.49	ug/l #	50
38) Carbon Tetrachloride	5.758	117	1019	0.72	ug/l	91
39) Methylcyclohexane	7.188	83	8165	5.39	ug/l #	1
41) Methacrylonitrile	5.105	41	213	0.23	ug/l #	43
42) 1,2-Dichloroethane	6.158	62	477	0.29	ug/l #	73
44) Trichloroethene	7.188	130	606239	607.13	ug/l	91
49) 1,4-Dioxane	7.711	88	535	11.79	ug/l #	69
51) 4-Methyl-2-Pentanone	8.694	43	1078	0.71	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	352	0.37	ug/l	91
60) Dibromochloromethane	9.318	129	6384	5.89	ug/l #	11
64) Tetrachloroethene	9.318	164	6193	7.18	ug/l #	86
76) 1,2,3-Trichloropropane	11.118	75	33017	30.23	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33017	82.08	ug/l #	12

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

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Quant Title : SW846 8260
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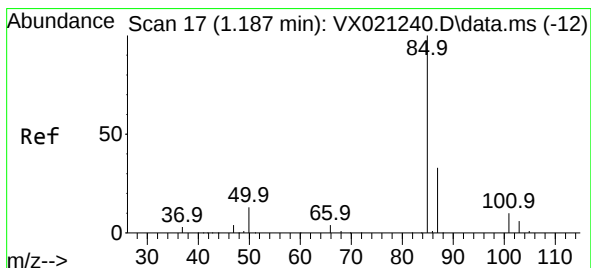
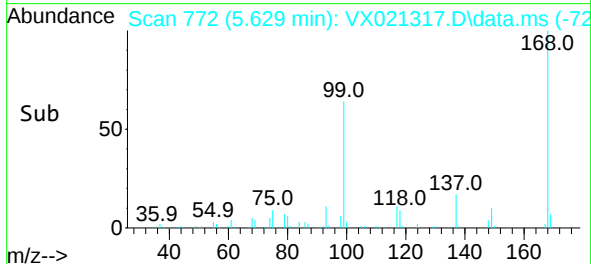
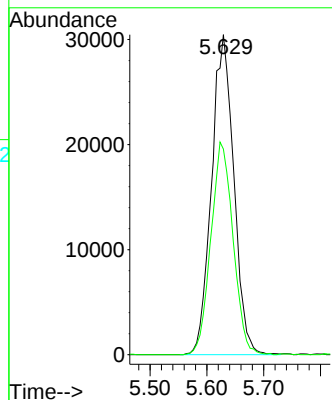
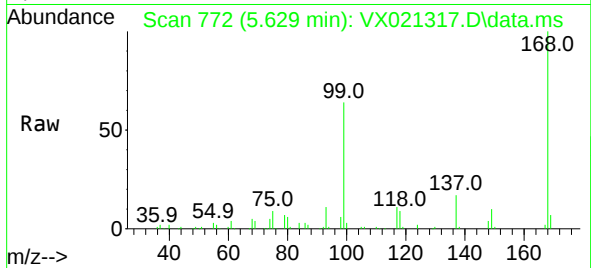




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

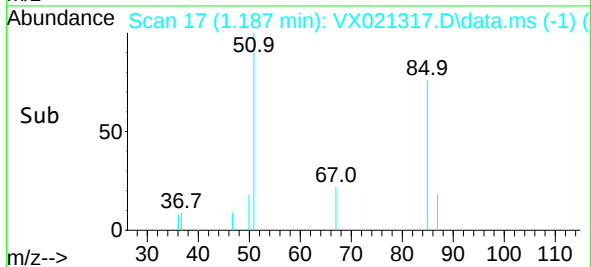
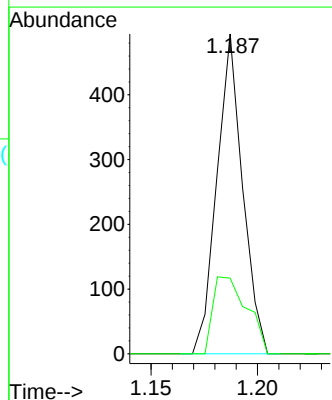
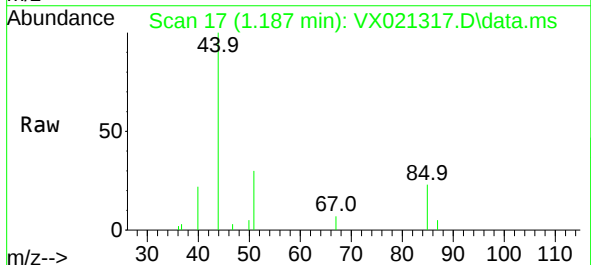
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

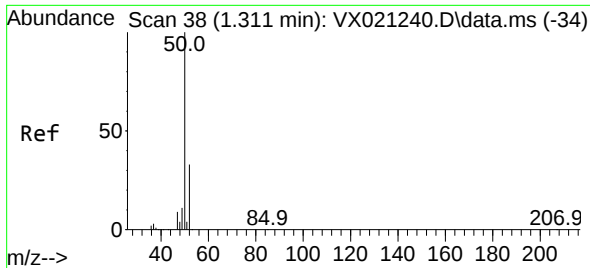
Tgt Ion:168 Resp: 82828
Ion Ratio Lower Upper
168 100
99 64.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.42 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

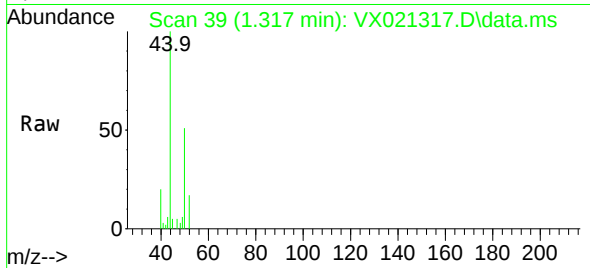
Tgt Ion: 85 Resp: 415
Ion Ratio Lower Upper
85 100
87 23.7 16.4 49.2



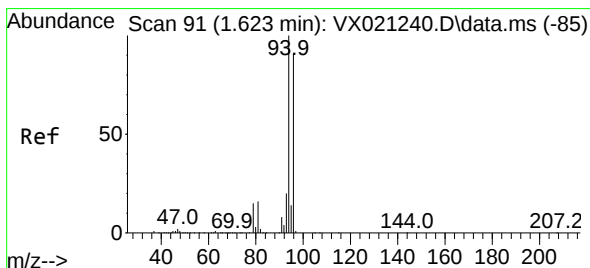
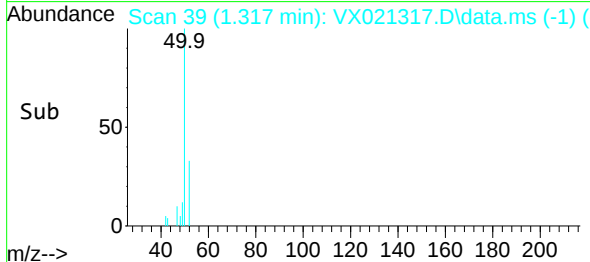
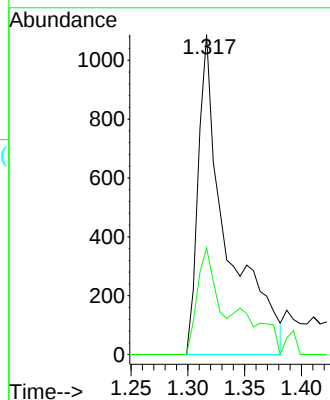


#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

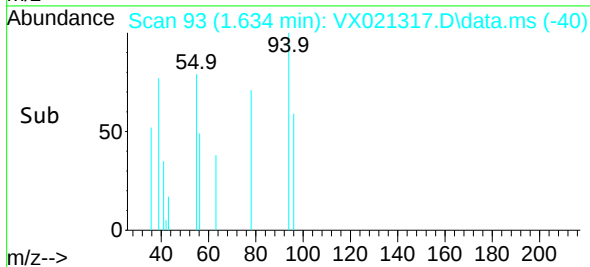
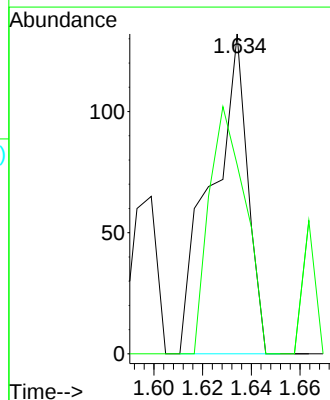
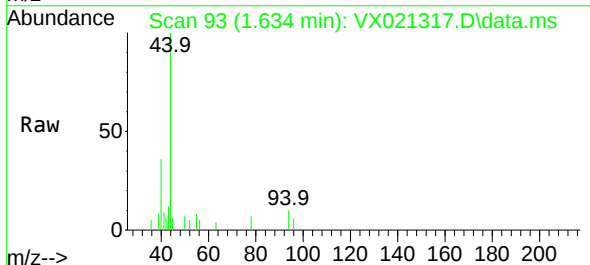


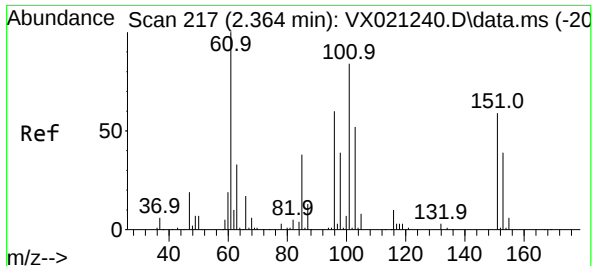
Tgt Ion: 50 Resp: 1895
Ion Ratio Lower Upper
50 100
52 33.4 26.4 39.6



#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 59.1 76.4 114.6#

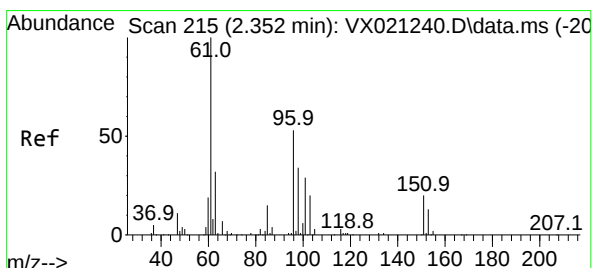
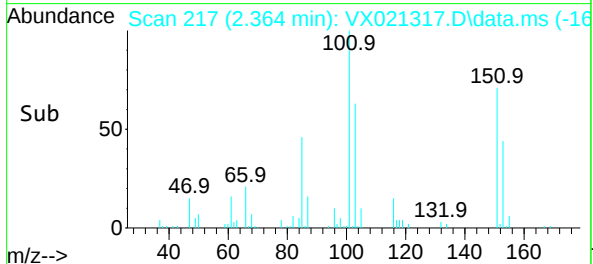
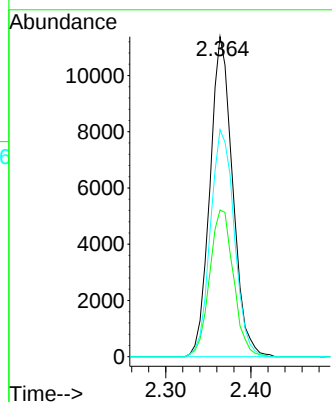
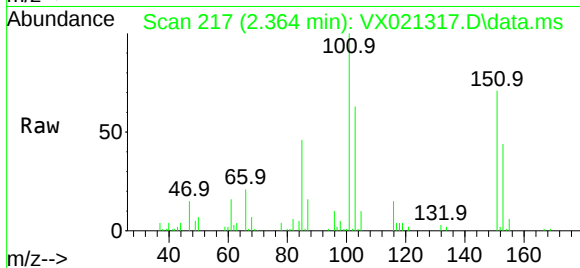




#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.33 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

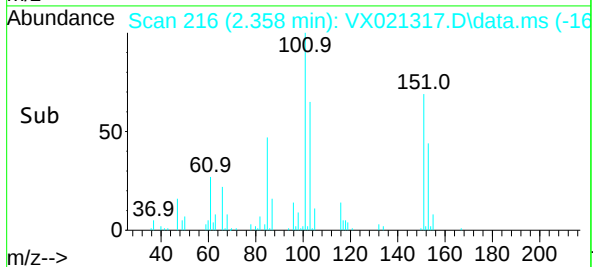
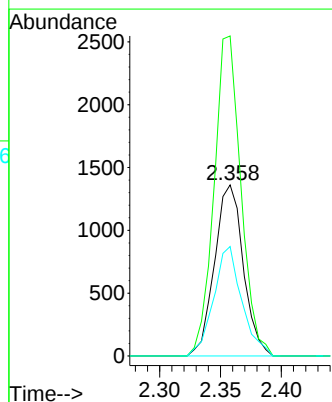
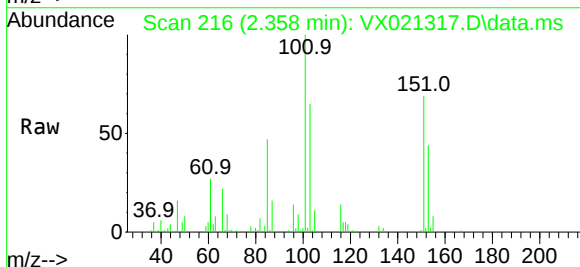
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

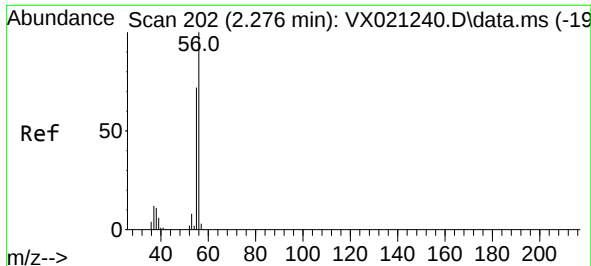
Tgt Ion:101 Resp: 21061
Ion Ratio Lower Upper
101 100
85 48.2 34.9 52.3
151 74.5 61.4 92.2



#12
1,1-Dichloroethene
Concen: 2.65 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion: 96 Resp: 2235
Ion Ratio Lower Upper
96 100
61 187.1 124.6 187.0#
98 64.1 50.6 76.0

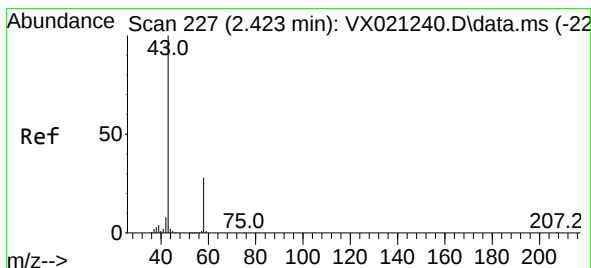
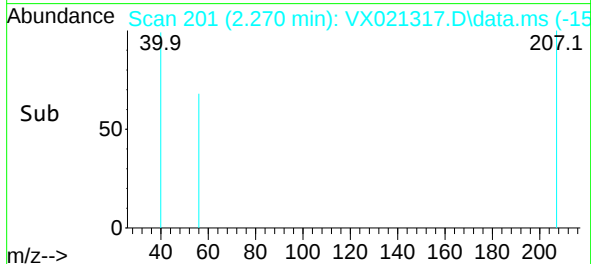
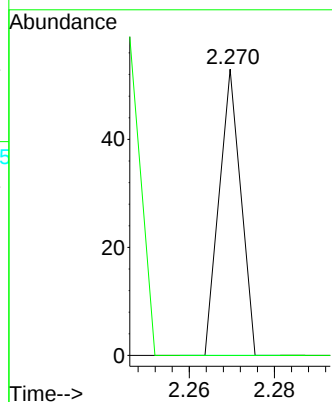
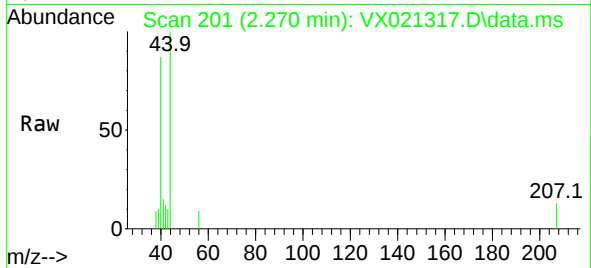




#13
Acrolein
Concen: 3.26 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

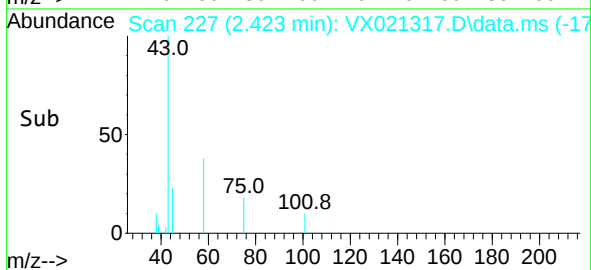
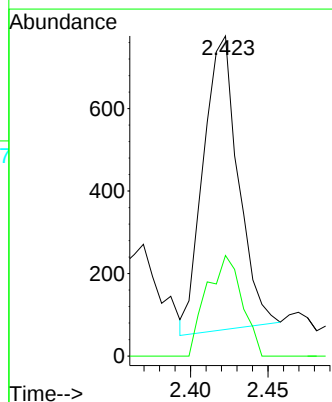
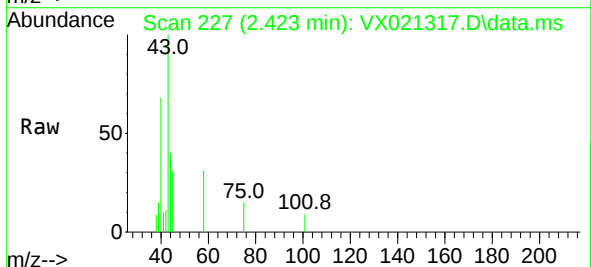
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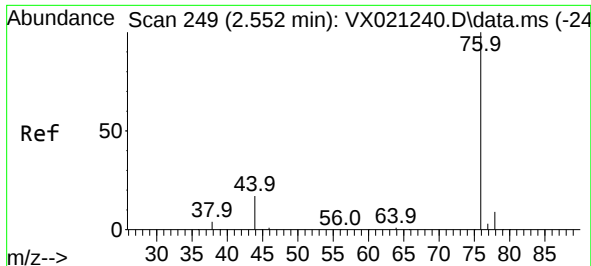
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 2.23 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 35.2 27.8 41.8

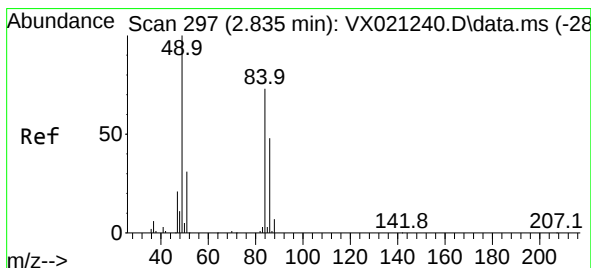
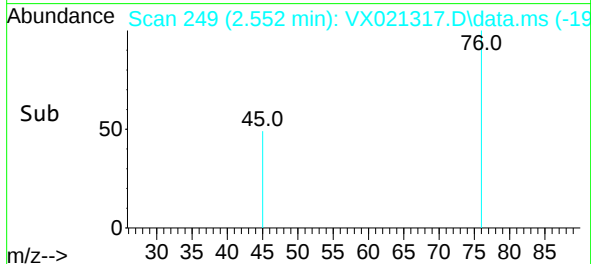
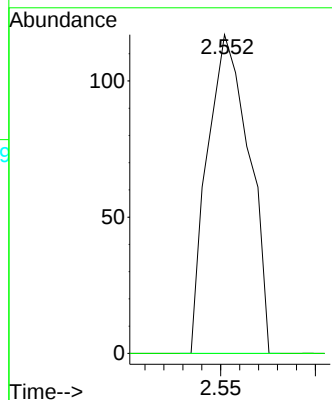
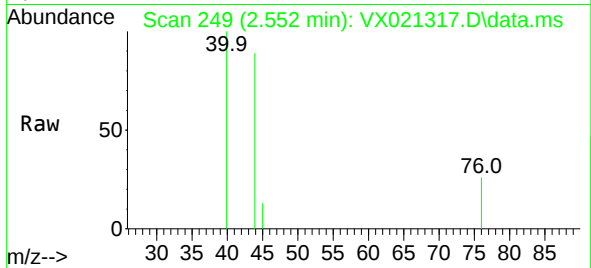




#17
Carbon Disulfide
Concen: 0.61 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

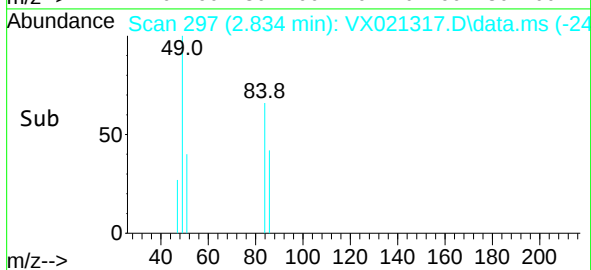
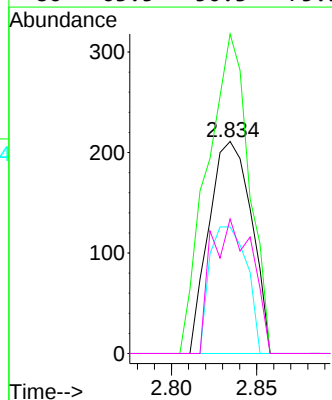
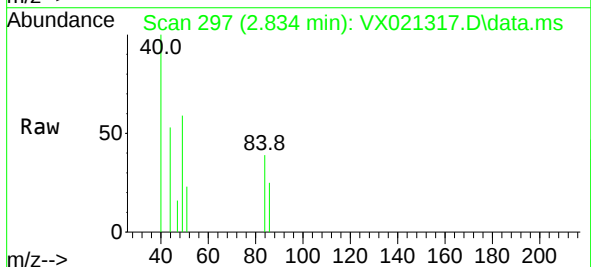
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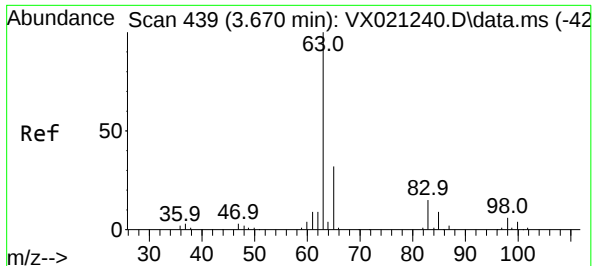
Tgt Ion: 76 Resp: 179
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.36 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion: 84 Resp: 367
Ion Ratio Lower Upper
84 100
49 150.7 88.6 132.8#
51 59.7 27.0 40.6#
86 63.5 50.3 75.5

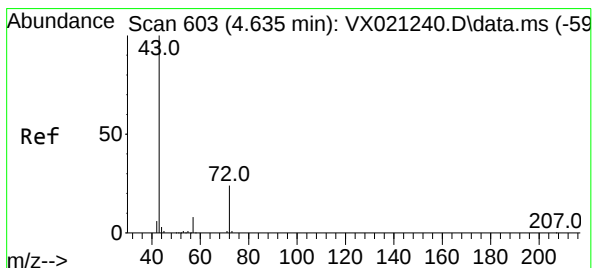
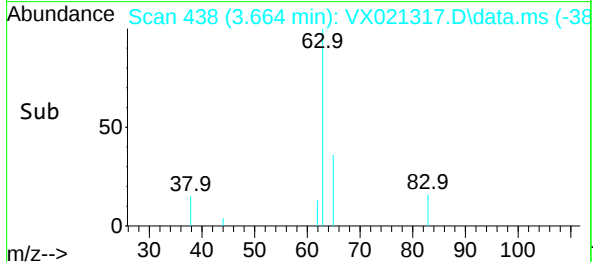
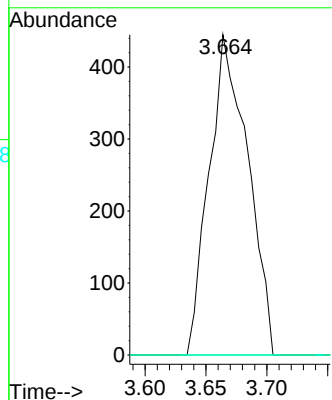
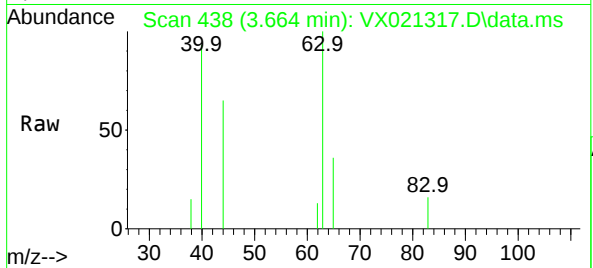




#24
1,1-Dichloroethane
Concen: 0.55 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

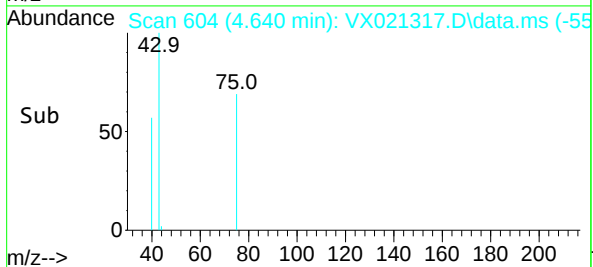
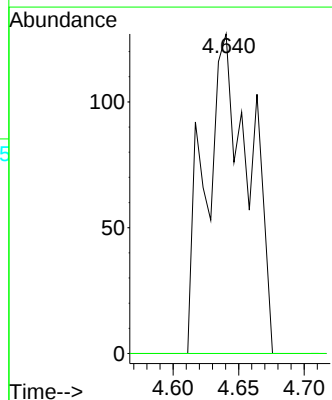
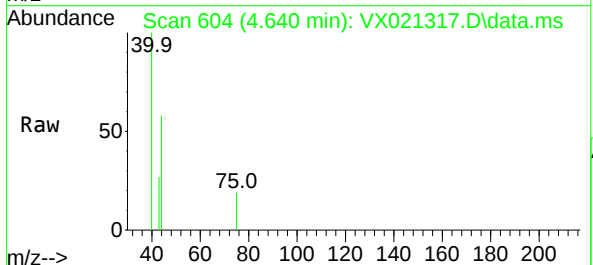
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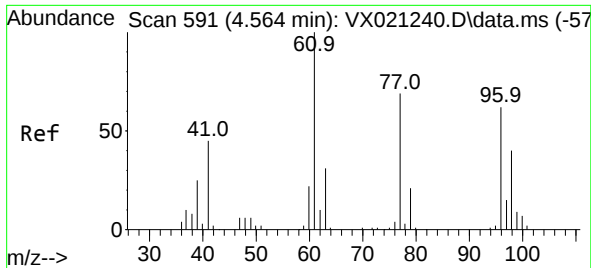
Tgt Ion: 63 Resp: 984
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 0.39 ug/l
RT: 4.640 min Scan# 604
Delta R.T. 0.005 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

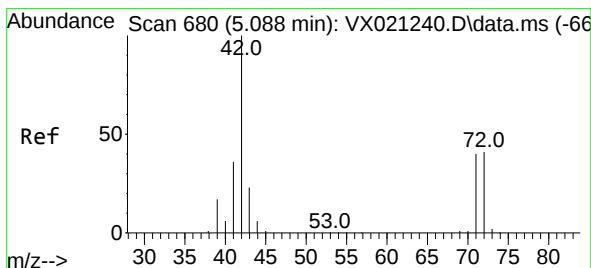
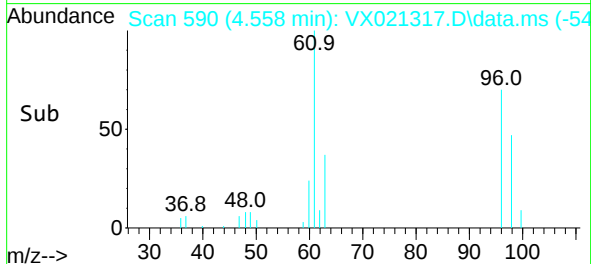
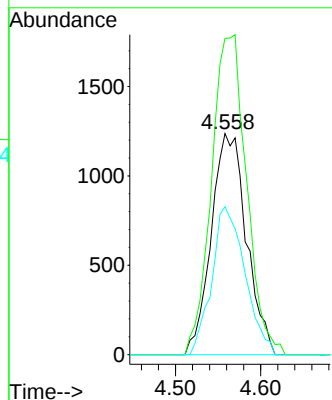
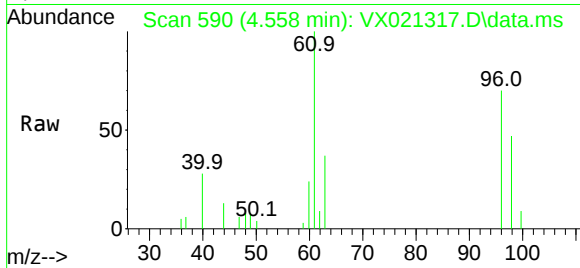




#27
cis-1,2-Dichloroethene
Concen: 3.28 ug/l
RT: 4.558 min Scan# 590
Delta R.T. -0.006 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

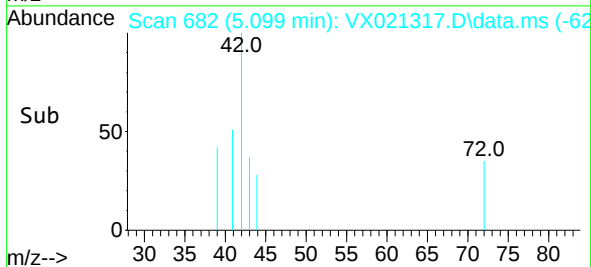
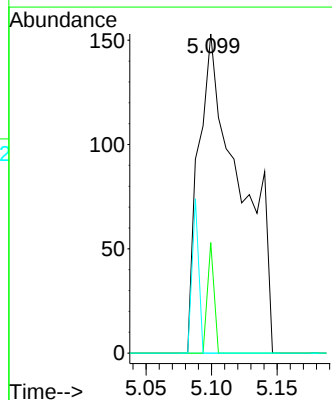
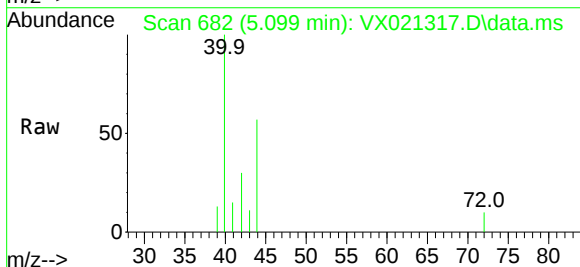
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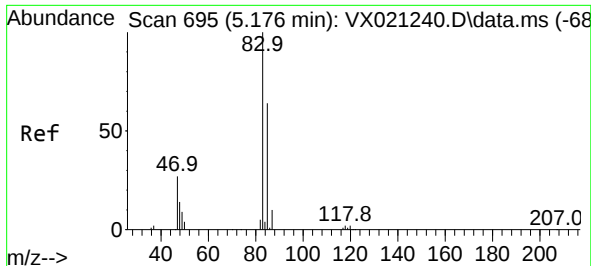
Tgt Ion:	96	Resp:	3548
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	285.6
98	63.1	0.0	129.6



#29
Tetrahydrofuran
Concen: 0.67 ug/l
RT: 5.099 min Scan# 682
Delta R.T. 0.011 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

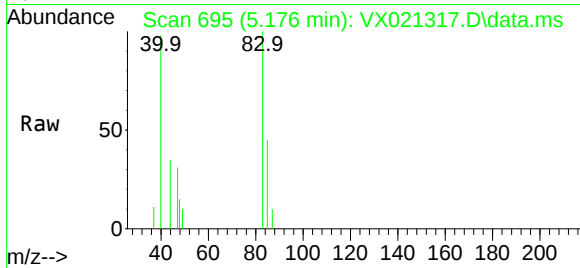
Tgt Ion:	42	Resp:	339
Ion	Ratio	Lower	Upper
42	100		
72	5.6	41.7	62.5#
71	7.7	38.4	57.6#



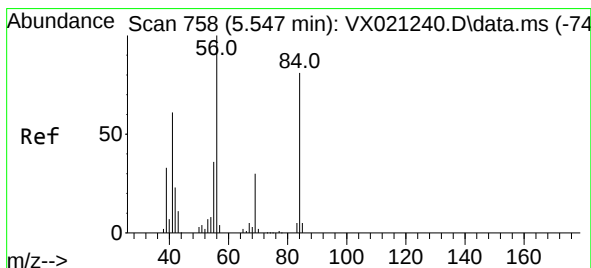
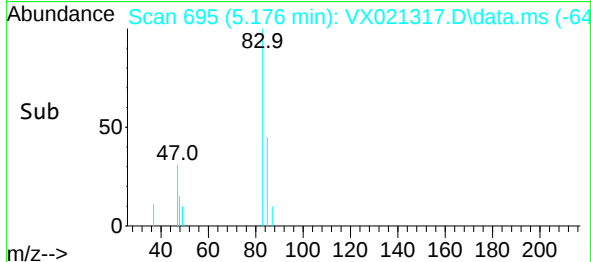
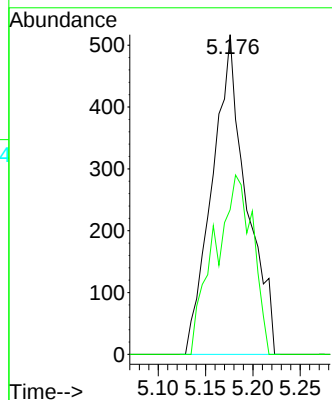


#30
Chloroform
Concen: 0.69 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

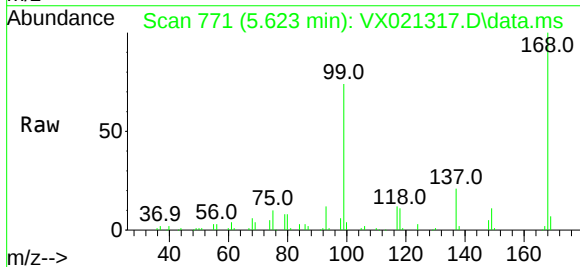
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317



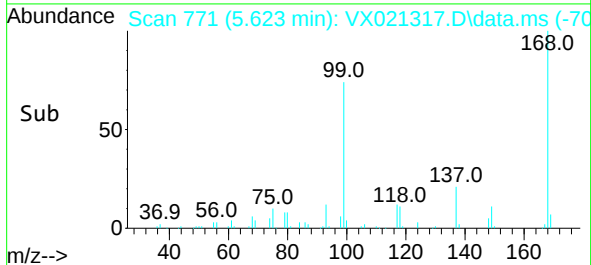
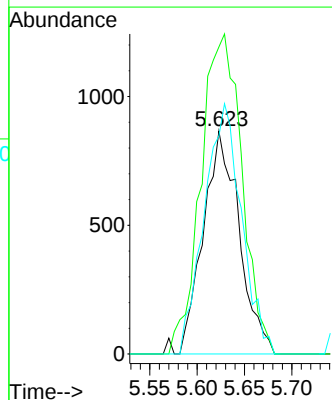
Tgt Ion: 83 Resp: 1299
Ion Ratio Lower Upper
83 100
85 45.3 52.0 78.0#

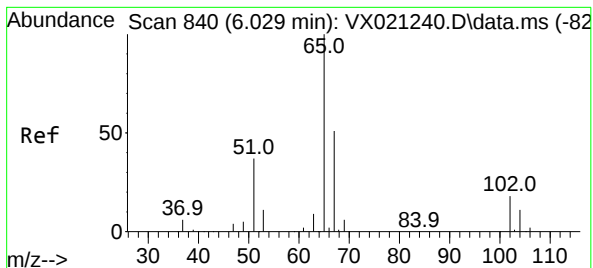


#31
Cyclohexane
Concen: 1.39 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07



Tgt Ion: 56 Resp: 2281
Ion Ratio Lower Upper
56 100
69 137.8 25.3 37.9#
84 97.8 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 47.39 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021317.D

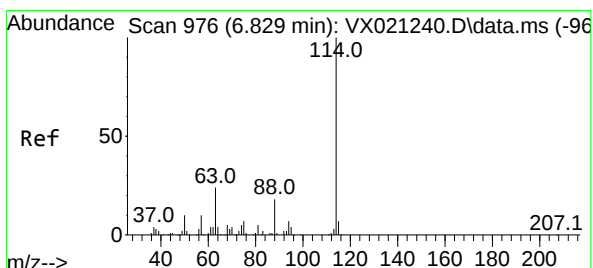
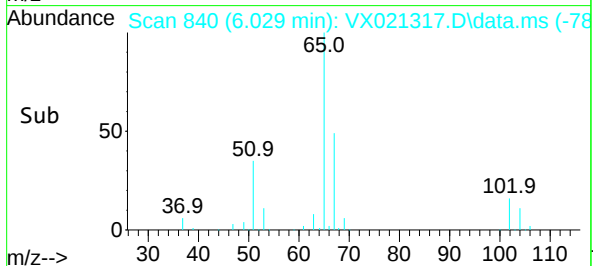
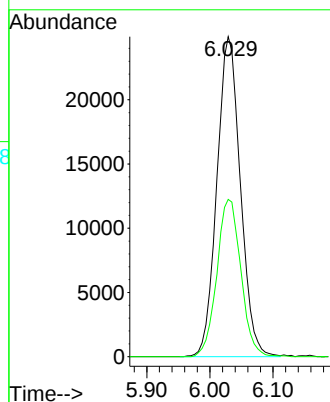
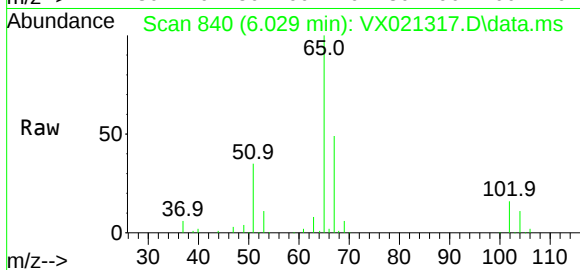
Acq: 19 Mar 2021 21:07

Tgt Ion: 65 Resp: 64380

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021317.D

Acq: 19 Mar 2021 21:07

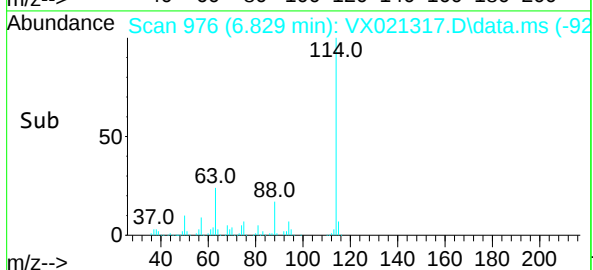
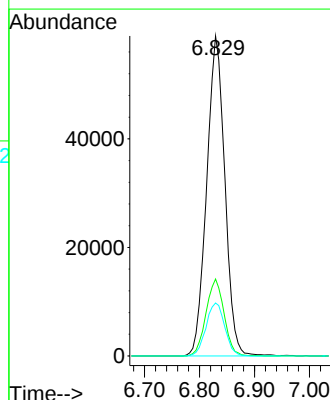
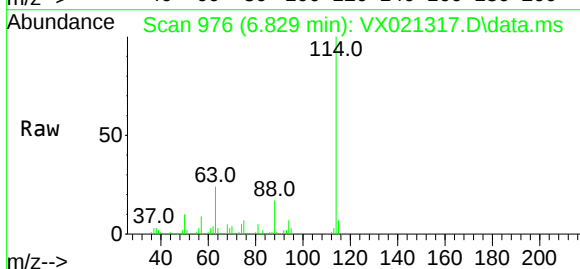
Tgt Ion: 114 Resp: 135383

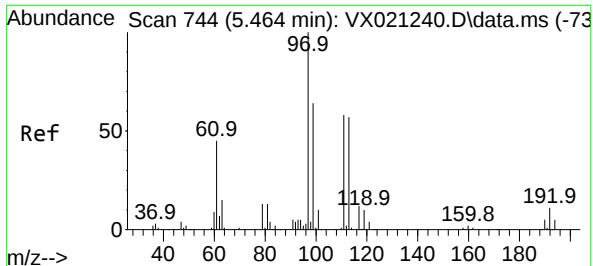
Ion Ratio Lower Upper

114 100

63 24.1 0.0 40.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.20 ug/l

RT: 5.458 min Scan# 743

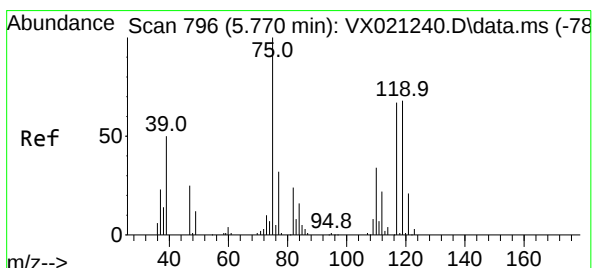
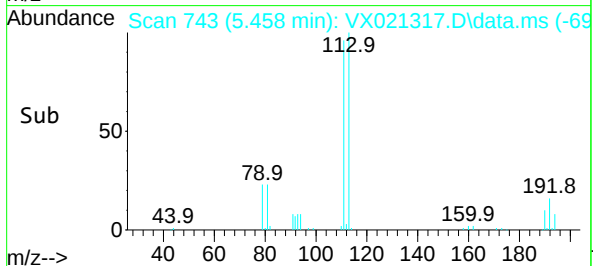
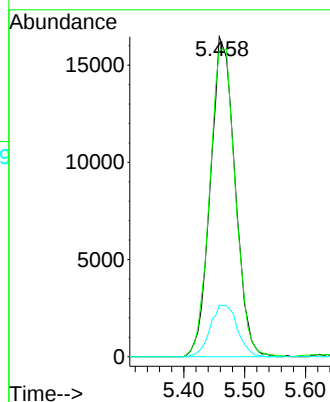
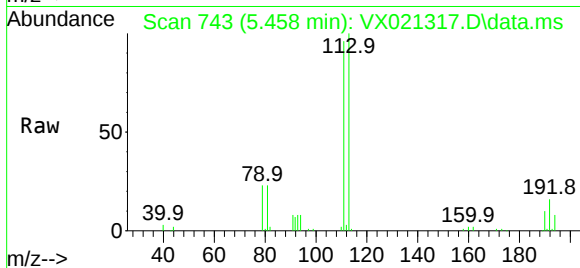
Delta R.T. -0.006 min

Lab File: VX021317.D

Acq: 19 Mar 2021 21:07

Tgt Ion:	113	Resp:	46248
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	17.7	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317



#36

1,1-Dichloropropene

Concen: 5.49 ug/l

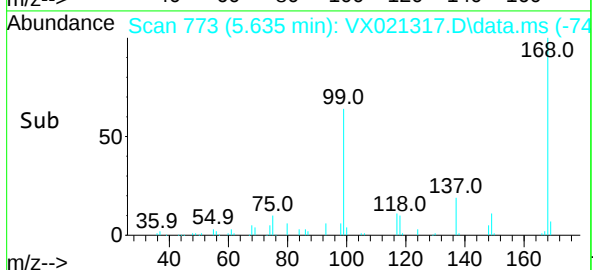
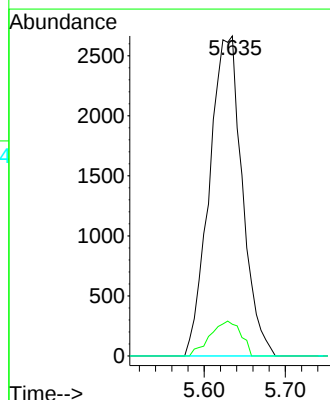
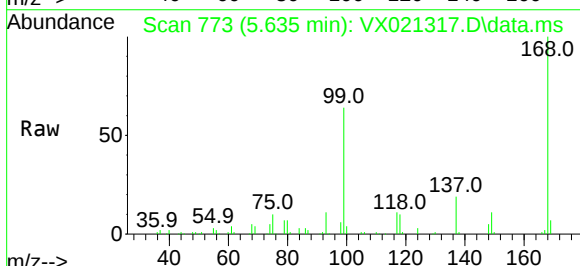
RT: 5.635 min Scan# 773

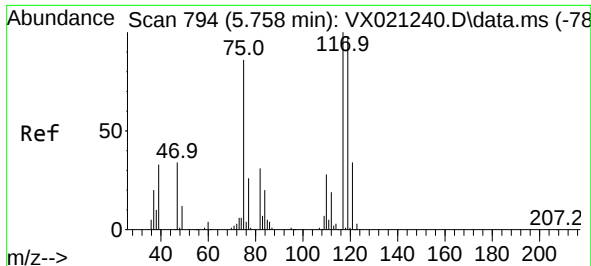
Delta R.T. -0.135 min

Lab File: VX021317.D

Acq: 19 Mar 2021 21:07

Tgt Ion:	75	Resp:	7492
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.4#
77	0.0	25.3	37.9#

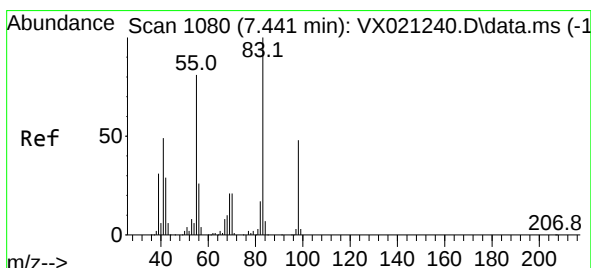
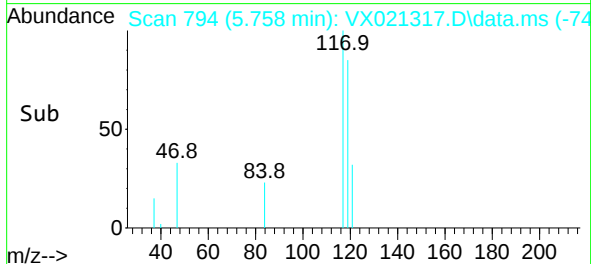
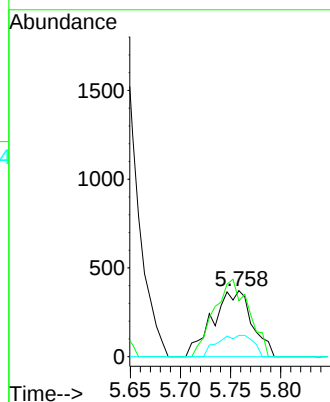
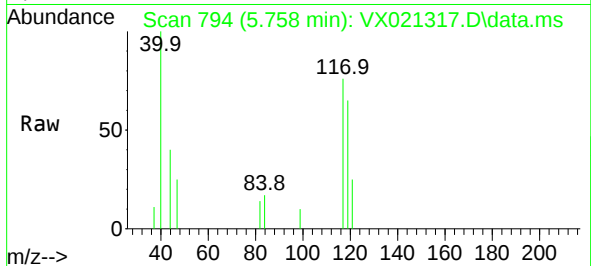




#38
Carbon Tetrachloride
Concen: 0.72 ug/l
RT: 5.758 min Scan# 794
Delta R.T. 0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

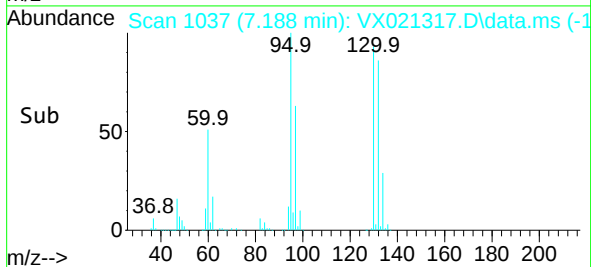
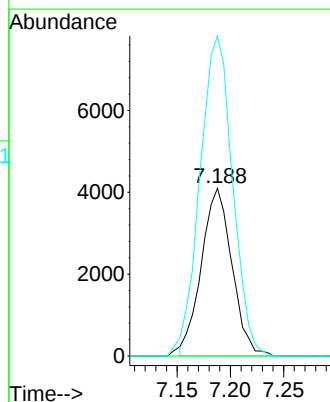
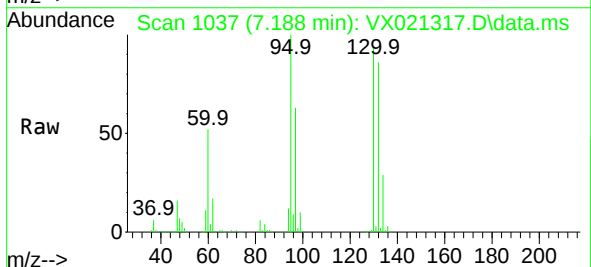
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

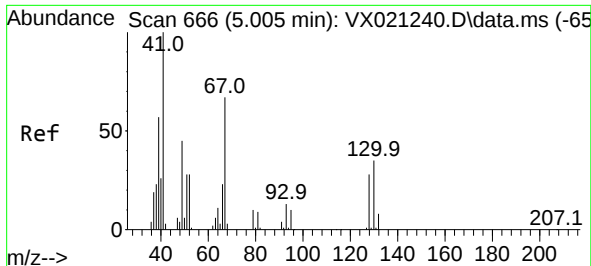
Tgt Ion:117 Resp: 1019
Ion Ratio Lower Upper
117 100
119 84.7 76.2 114.2
121 32.3 24.8 37.2



#39
Methylcyclohexane
Concen: 5.39 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

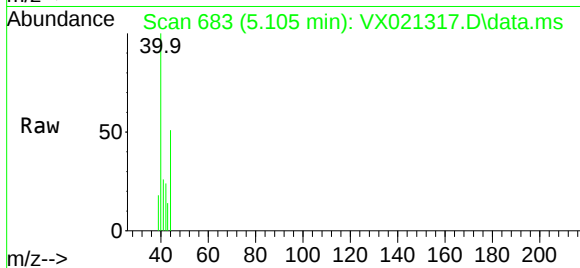
Tgt Ion: 83 Resp: 8165
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 190.9 38.1 57.1#



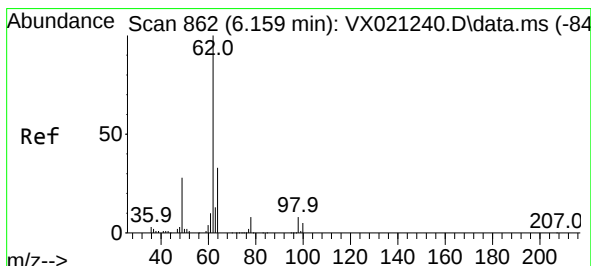
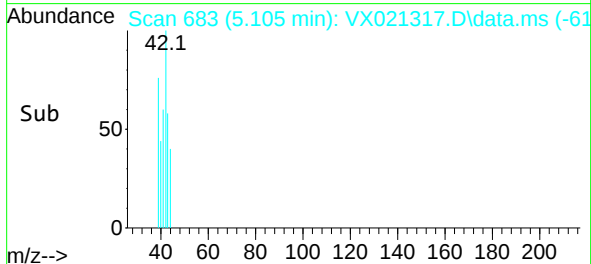
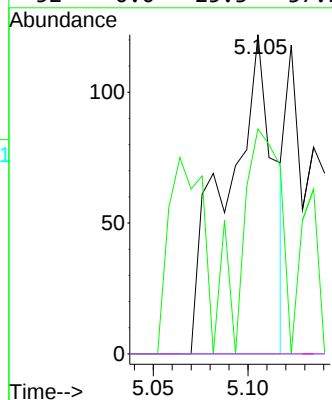


#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 5.105 min Scan# 683
Delta R.T. 0.100 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

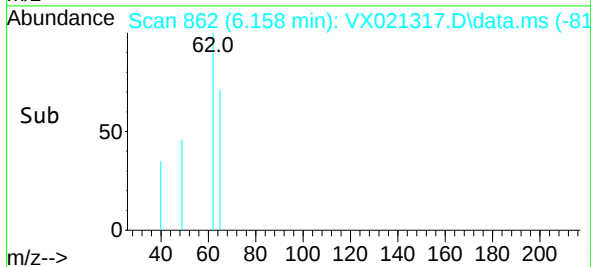
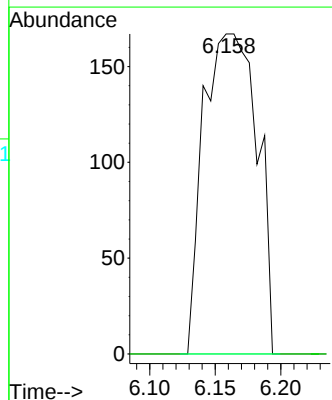
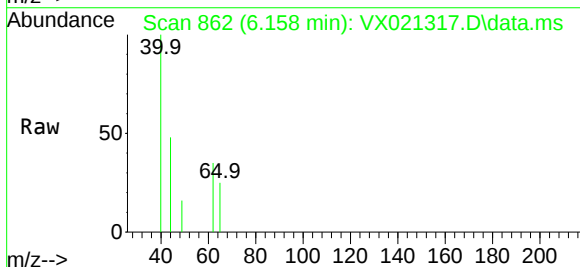


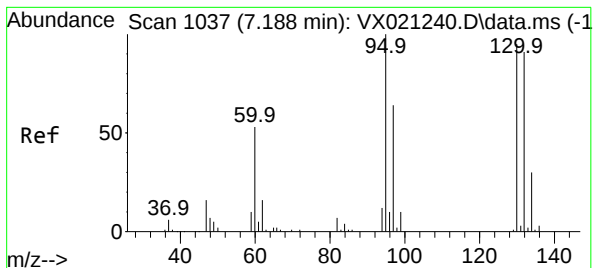
Tgt Ion:	41	Resp:	213
Ion	Ratio	Lower	Upper
41	100		
39	50.2	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#42
1,2-Dichloroethane
Concen: 0.29 ug/l
RT: 6.158 min Scan# 862
Delta R.T. -0.001 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion:	62	Resp:	477
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2





#44

Trichloroethene

Concen: 607.13 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

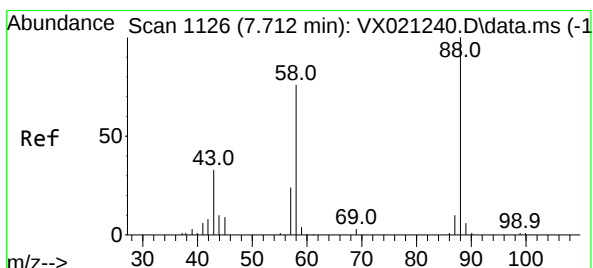
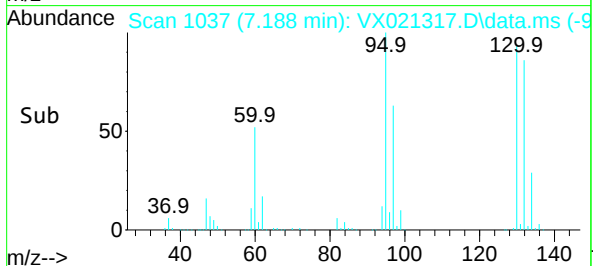
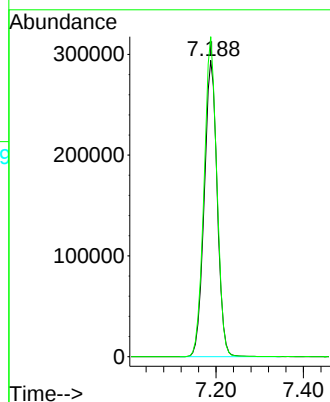
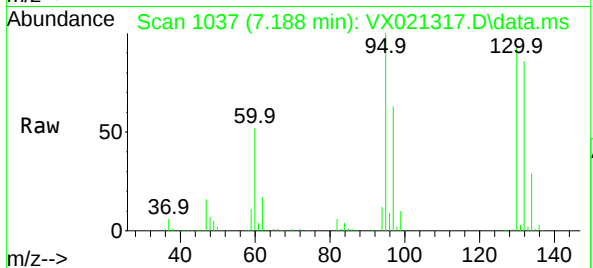
Lab File: VX021317.D

Acq: 19 Mar 2021 21:07

Tgt Ion:130 Resp: 606239

Ion Ratio Lower Upper

130	100		
95	108.0	0.0	198.0



#49

1,4-Dioxane

Concen: 11.79 ug/l

RT: 7.711 min Scan# 1126

Delta R.T. -0.001 min

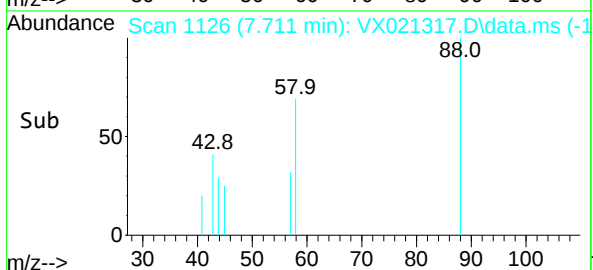
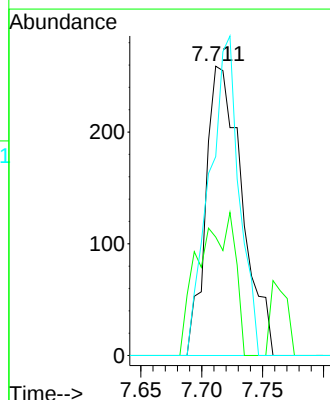
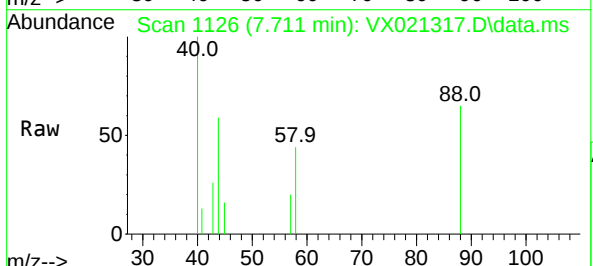
Lab File: VX021317.D

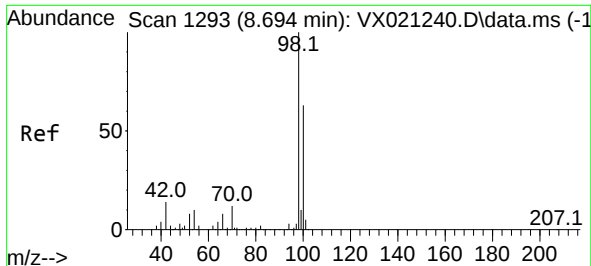
Acq: 19 Mar 2021 21:07

Tgt Ion: 88 Resp: 535

Ion Ratio Lower Upper

88	100		
43	49.3	23.2	34.8#
58	91.2	55.0	82.4#

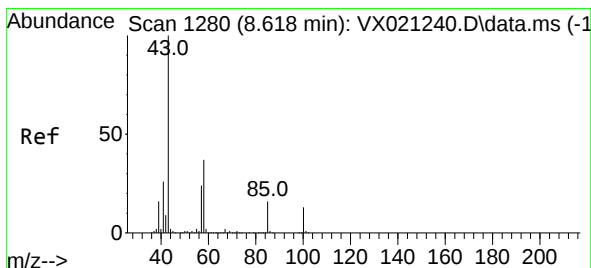
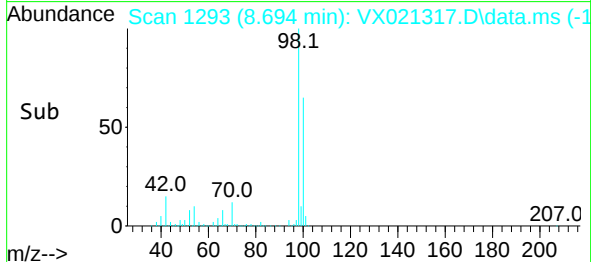
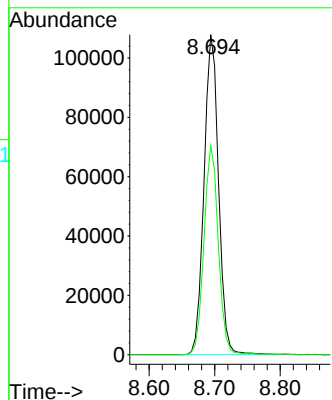
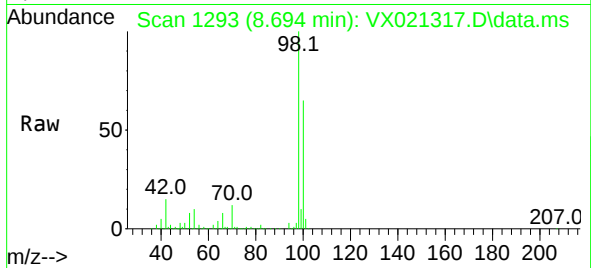




#50
Toluene-d8
Concen: 49.86 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

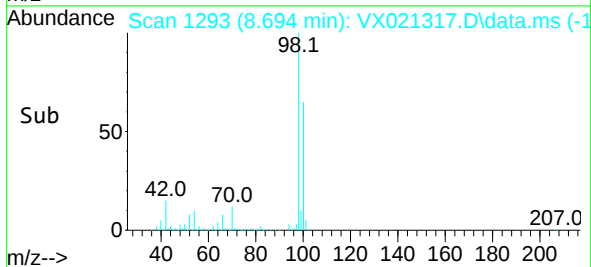
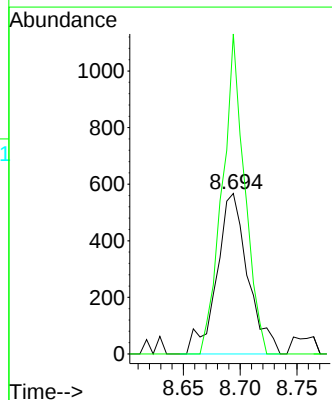
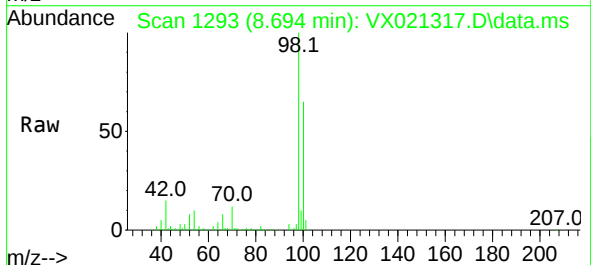
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

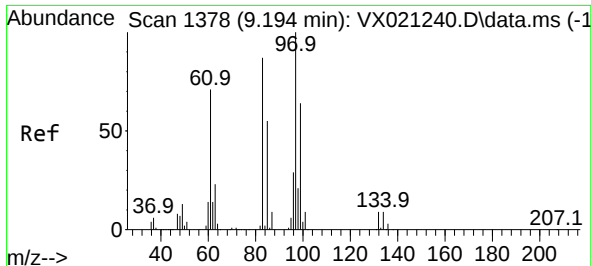
Tgt Ion: 98 Resp: 166643
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.71 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.076 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

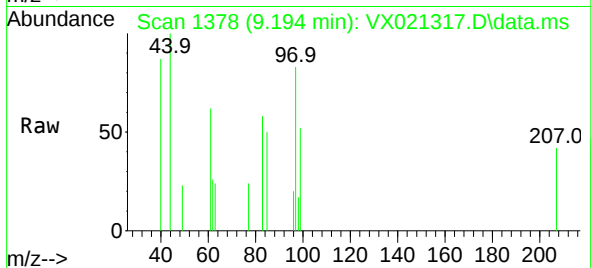
Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
58 144.2 35.4 53.0#



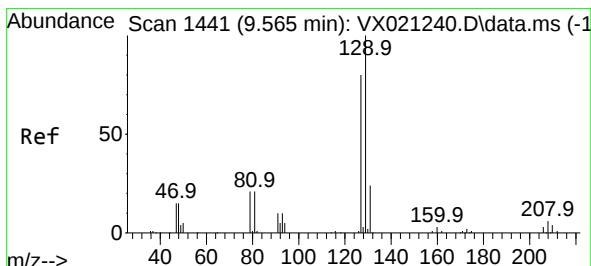
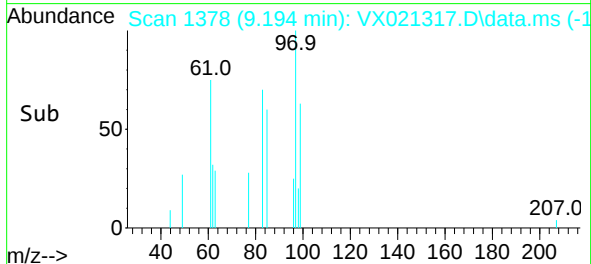
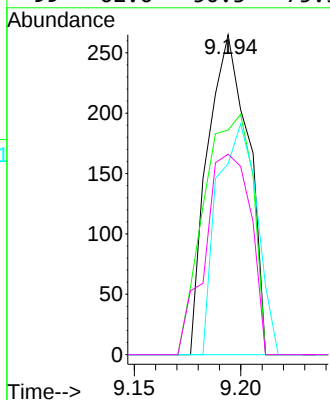


#55
1,1,2-Trichloroethane
Concen: 0.37 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

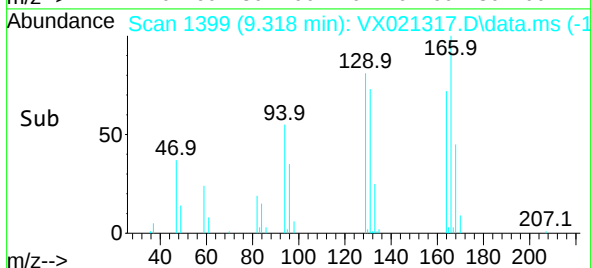
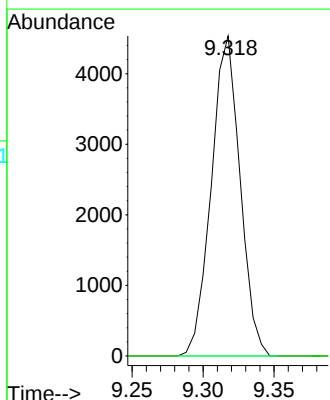
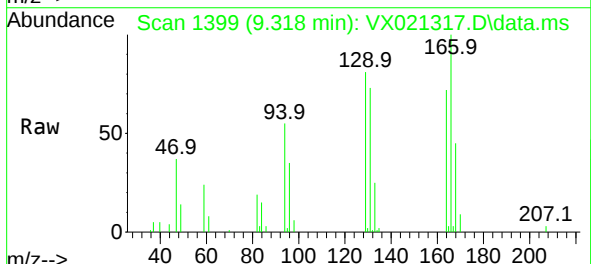


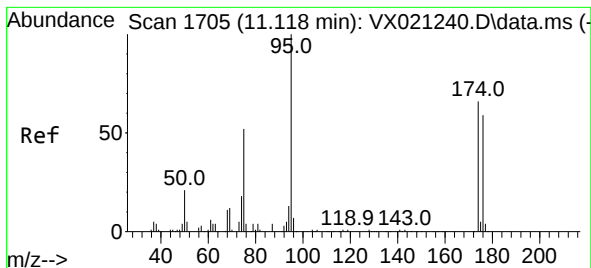
Tgt Ion: 97	Resp: 352
Ion Ratio	Lower Upper
97 100	
83 70.2	69.3 103.9
85 59.6	44.3 66.5
99 62.6	50.3 75.5



#60
Dibromochloromethane
Concen: 5.89 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion:129	Resp:	6384	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

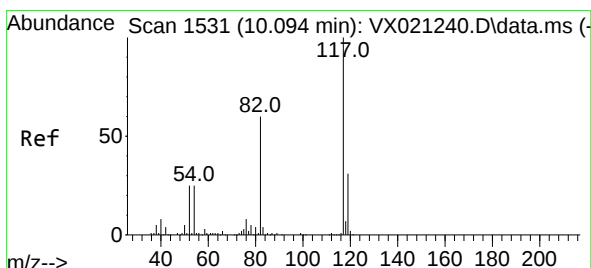
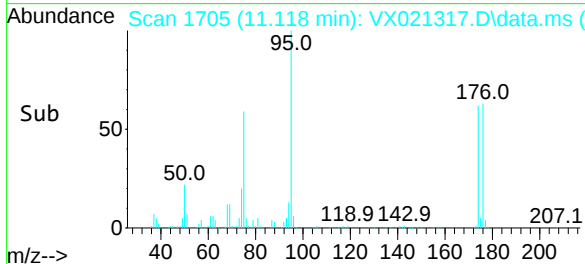
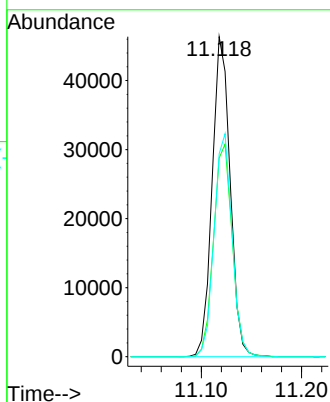
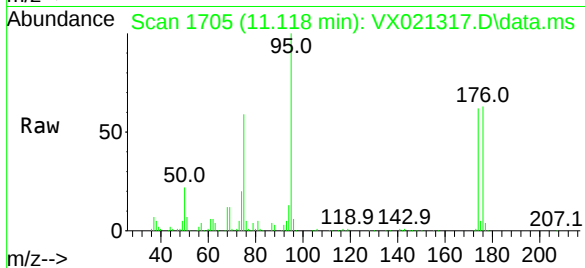




#62
4-Bromofluorobenzene
Concen: 44.42 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

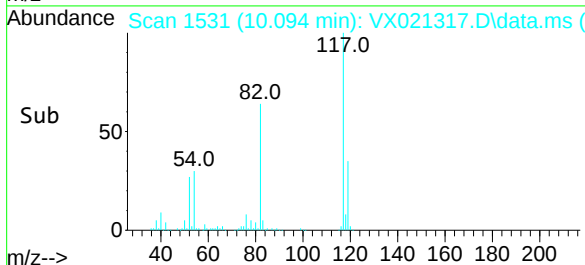
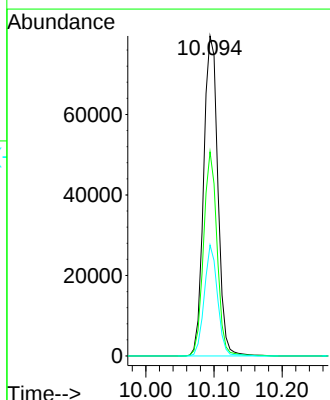
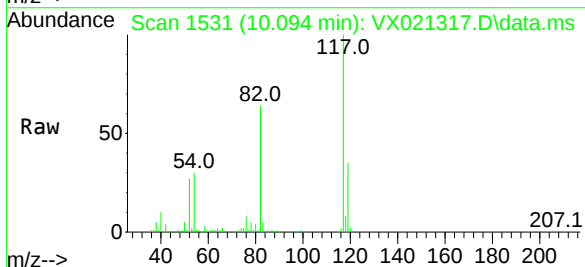
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

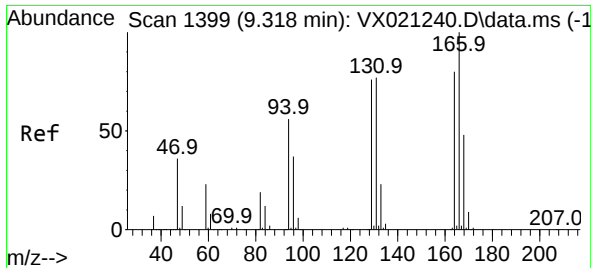
Tgt Ion:	95	Resp:	57661
Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	154.6
176	70.0	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

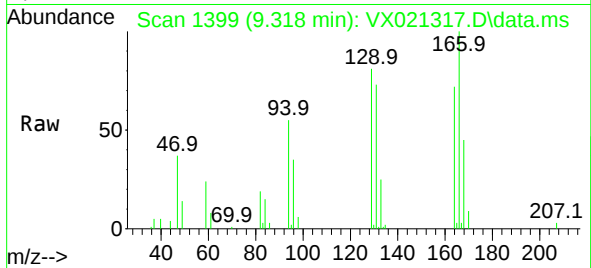
Tgt Ion:	117	Resp:	115460
Ion	Ratio	Lower	Upper
117	100		
82	63.8	47.4	71.2
119	34.7	26.6	39.8



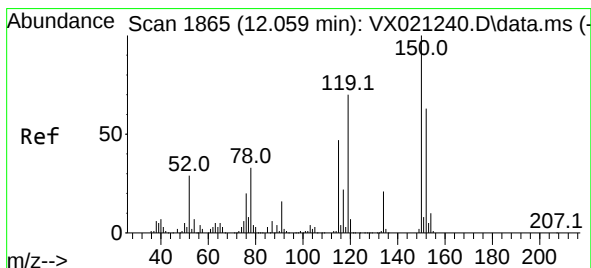
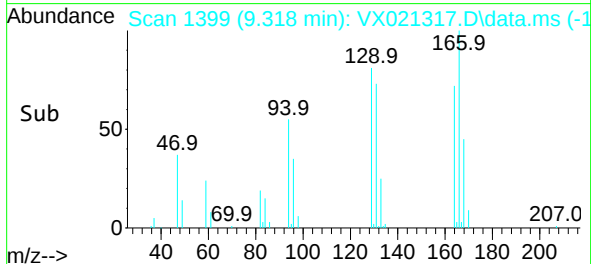
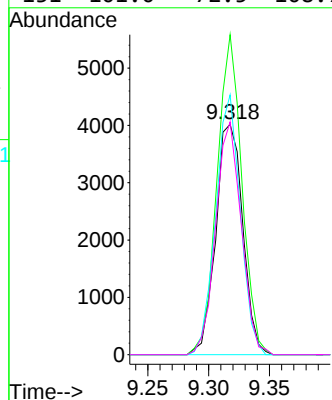


#64
Tetrachloroethene
Concen: 7.18 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

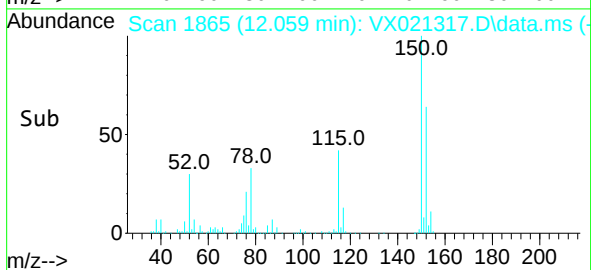
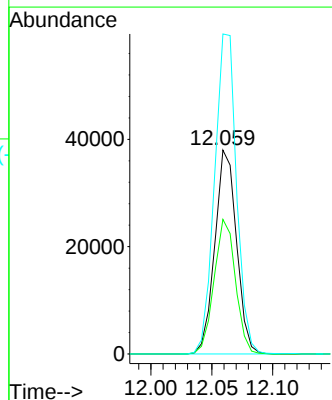
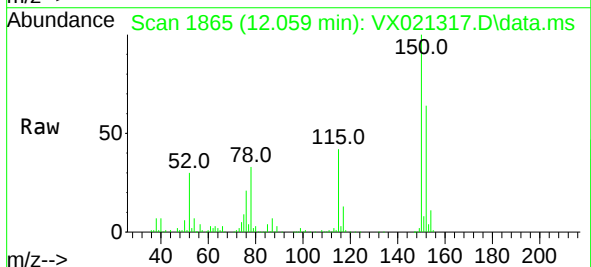


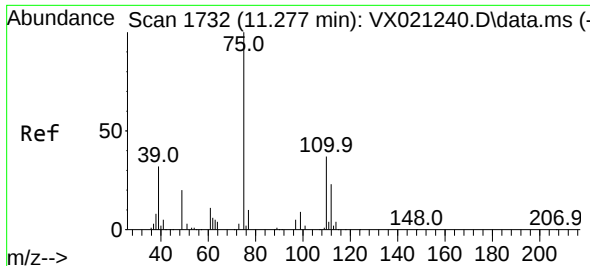
Tgt Ion:164 Resp: 6193
Ion Ratio Lower Upper
164 100
166 138.9 103.4 155.2
129 112.8 70.8 106.2#
131 101.0 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion:152 Resp: 47082
Ion Ratio Lower Upper
152 100
115 65.2 41.1 123.3
150 159.3 0.0 349.0

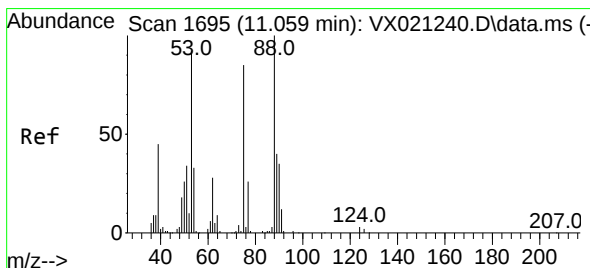
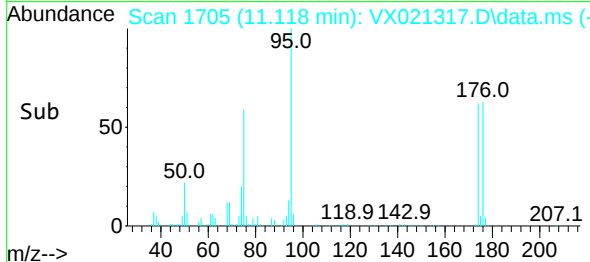
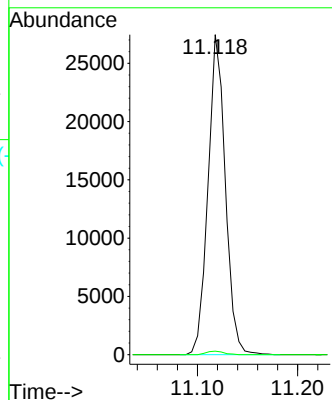
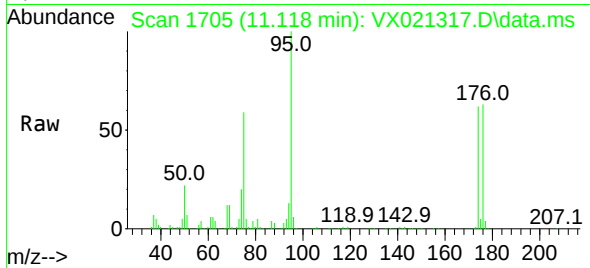




#76
1,2,3-Trichloropropane
Concen: 30.23 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20210317

Tgt Ion: 75 Resp: 33017
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.08 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021317.D
Acq: 19 Mar 2021 21:07

Tgt Ion: 75 Resp: 33017
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

