

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021334.D
 Acq On : 20 Mar 2021 08:13
 Operator : JC/MD
 Sample : M1735-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20210316

Quant Time: Mar 22 00:52:03 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)

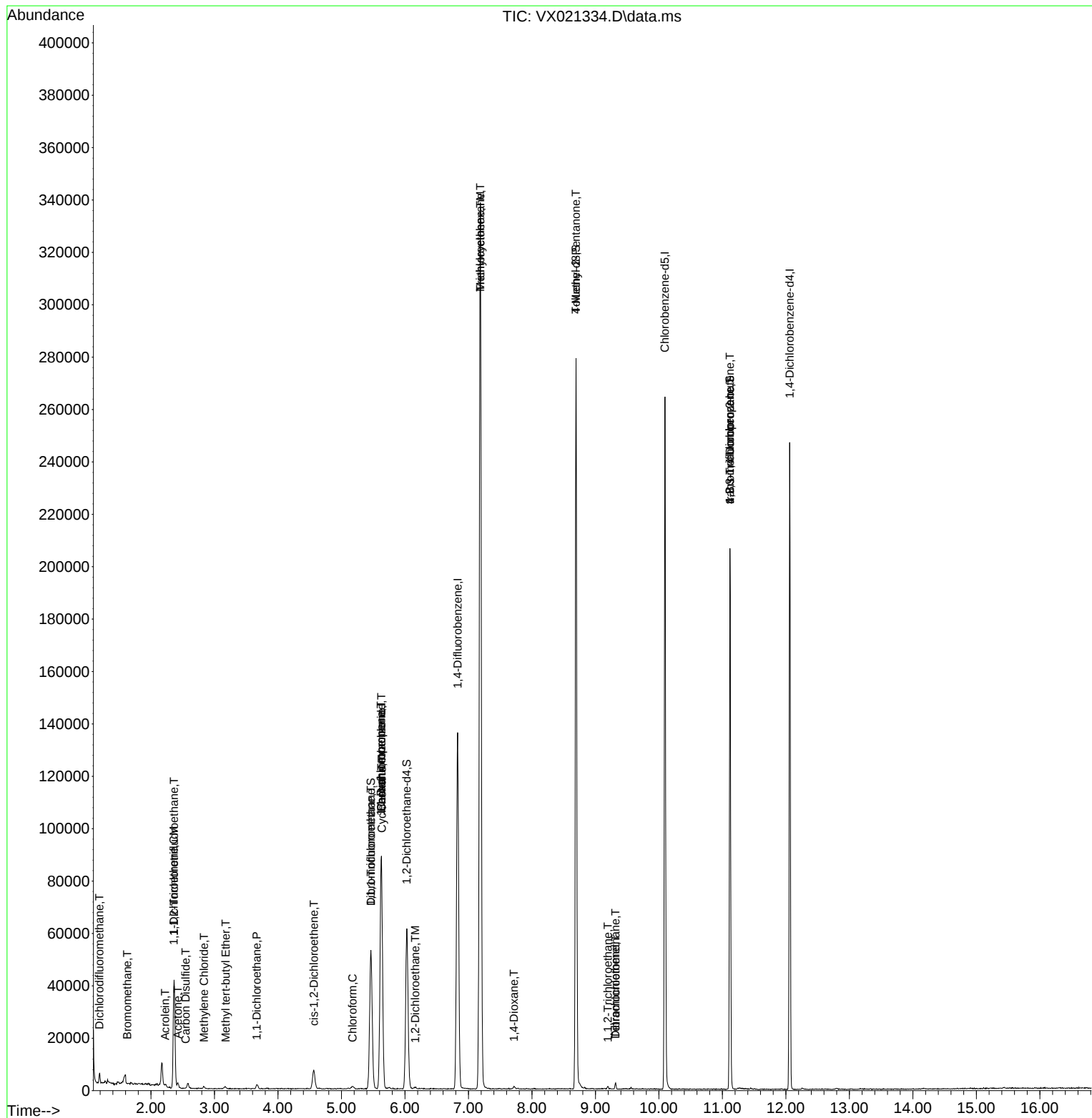
Internal Standards						
1) Pentafluorobenzene	5.629	168	75765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	125513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	106758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	45089	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	60930	49.03	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.06%		
35) Dibromofluoromethane	5.464	113	42501	49.76	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.52%		
50) Toluene-d8	8.694	98	153575	49.56	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.12%		
62) 4-Bromofluorobenzene	11.118	95	53173	44.18	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.36%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	1382	1.53	ug/l	99
3) Chloromethane	1.317	50	1847	Below Cal		98
5) Bromomethane	1.628	94	140	0.35	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.364	101	13868	17.51	ug/l	95
12) 1,1-Dichloroethene	2.358	96	2499	3.24	ug/l	84
13) Acrolein	2.223	56	18	3.27	ug/l #	1
16) Acetone	2.423	43	1706	3.73	ug/l #	80
17) Carbon Disulfide	2.546	76	50	0.56	ug/l #	75
19) Methyl tert-butyl Ether	3.176	73	656	0.23	ug/l #	75
20) Methylene Chloride	2.834	84	263	0.28	ug/l #	74
24) 1,1-Dichloroethane	3.664	63	1809	1.10	ug/l #	87
27) cis-1,2-Dichloroethene	4.564	96	4092	4.13	ug/l	96
30) Chloroform	5.176	83	1174	0.68	ug/l	92
31) Cyclohexane	5.635	56	2195	1.46	ug/l #	24
32) 1,1,1-Trichloroethane	5.464	97	392	0.26	ug/l #	49
36) 1,1-Dichloropropene	5.623	75	7046	5.57	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8225	6.26	ug/l #	18
39) Methylcyclohexane	7.188	83	1650	1.18	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	596	0.40	ug/l #	73
44) Trichloroethene	7.188	130	116184	125.50	ug/l	96
49) 1,4-Dioxane	7.717	88	567	15.09	ug/l #	69
51) 4-Methyl-2-Pentanone	8.694	43	973	0.70	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	283	0.32	ug/l #	81
60) Dibromochloromethane	9.318	129	355	0.35	ug/l #	11
64) Tetrachloroethene	9.318	164	348	0.44	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	30206	28.88	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	30206	78.41	ug/l #	12

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

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TT101D-20210316

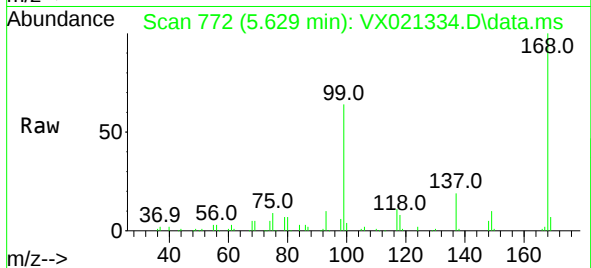
Quant Time: Mar 22 00:52:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
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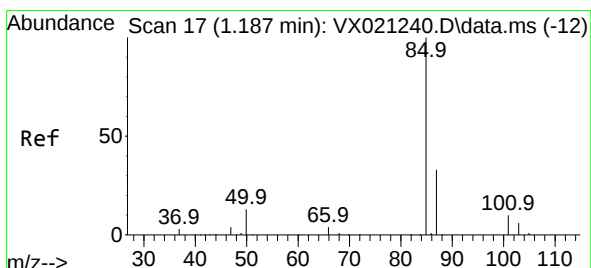
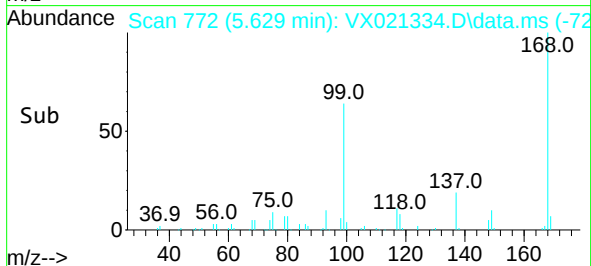
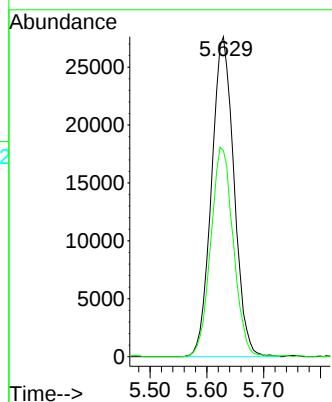


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

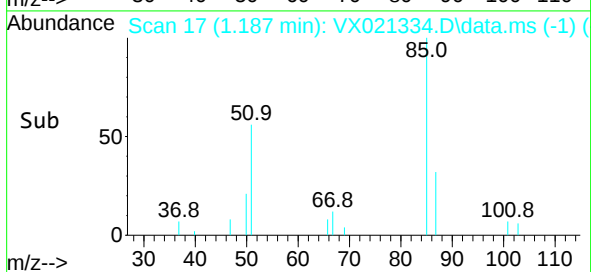
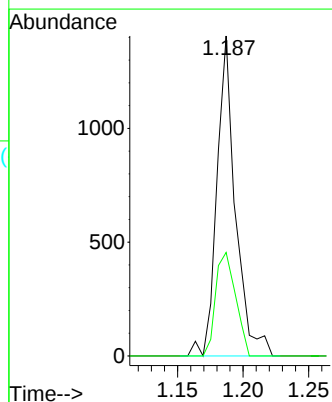
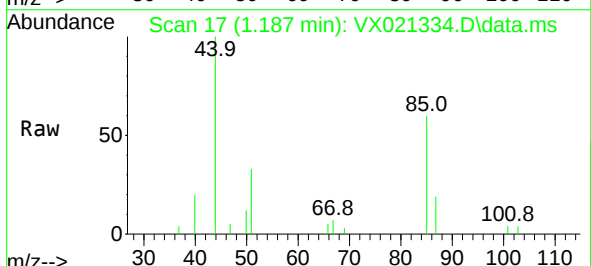


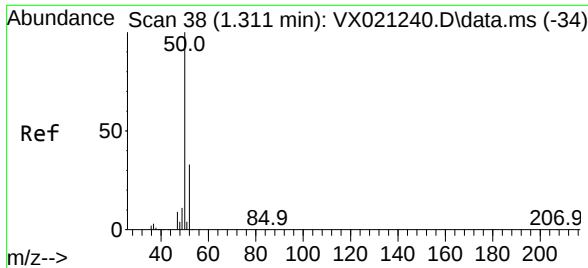
Tgt Ion:168 Resp: 75765
Ion Ratio Lower Upper
168 100
99 64.4 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.53 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 85 Resp: 1382
Ion Ratio Lower Upper
85 100
87 32.4 16.4 49.2

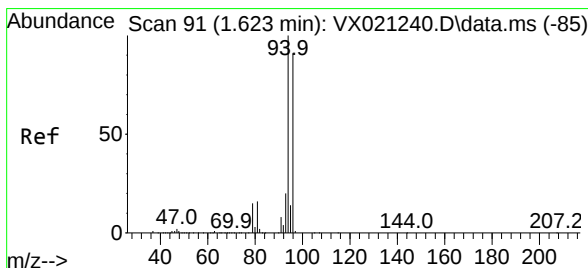
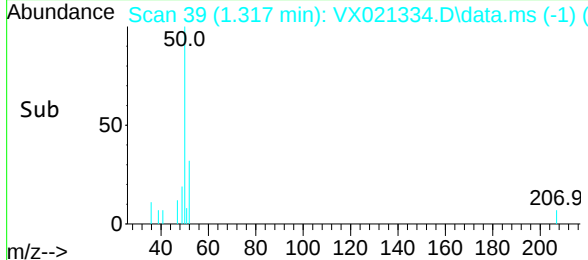
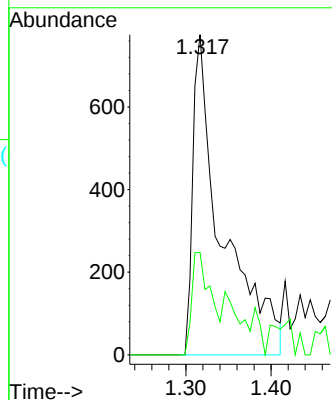
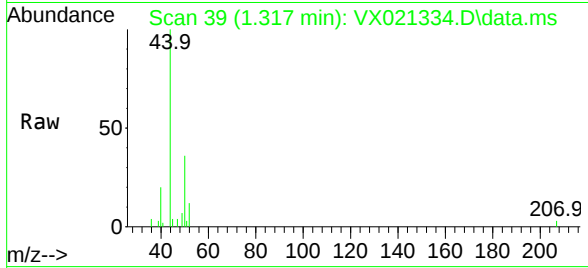




#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

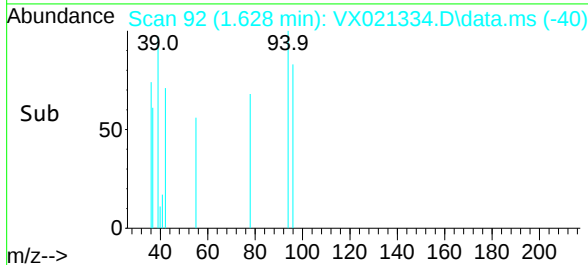
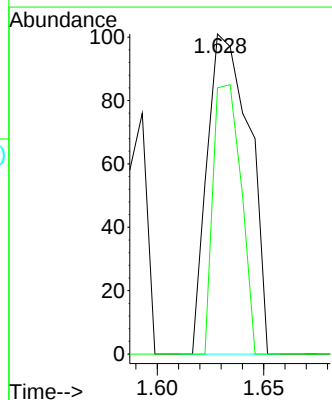
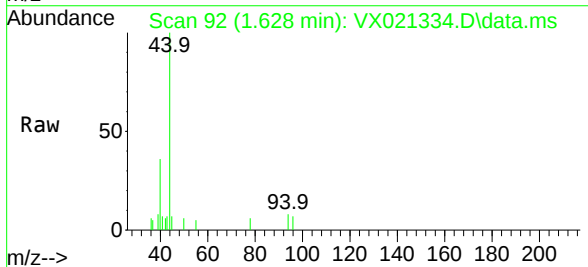
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

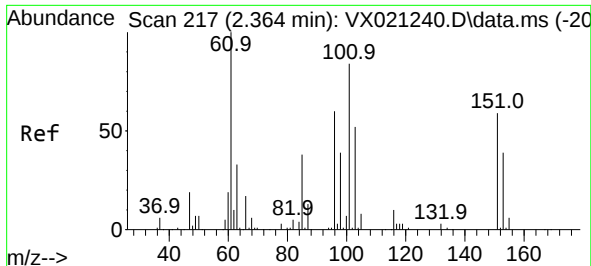
Tgt Ion: 50 Resp: 1847
Ion Ratio Lower Upper
50 100
52 32.0 26.4 39.6



#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.005 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 83.2 76.4 114.6

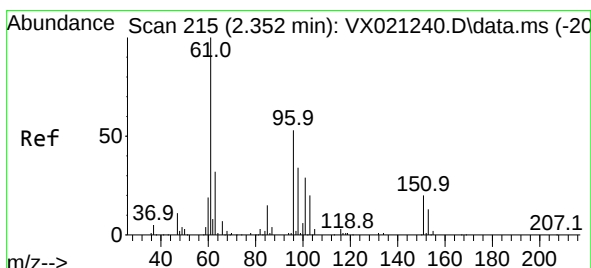
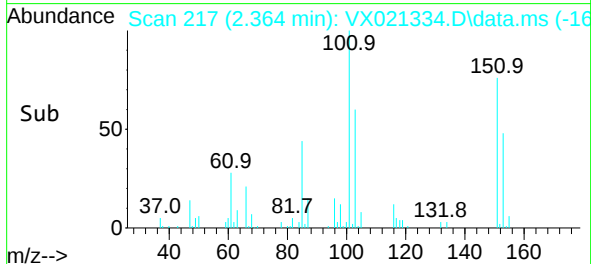
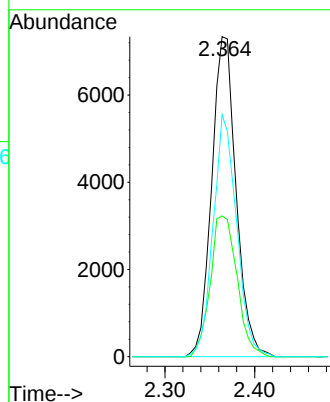
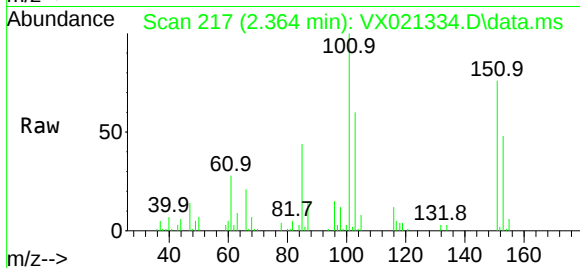




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.51 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

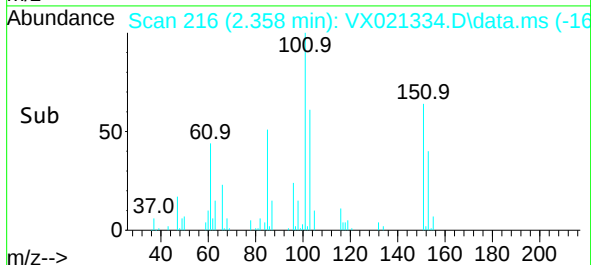
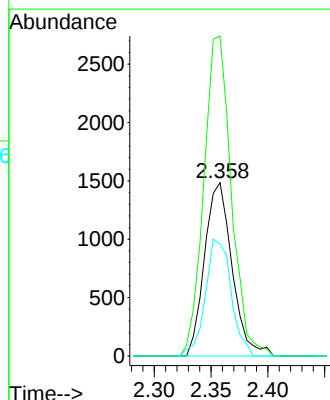
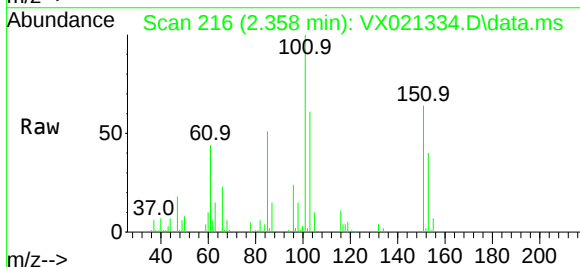
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

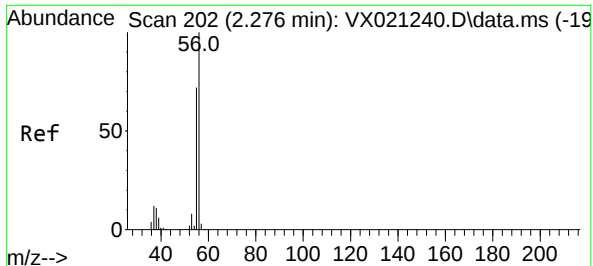
Tgt Ion:101 Resp: 13868
Ion Ratio Lower Upper
101 100
85 48.2 34.9 52.3
151 73.1 61.4 92.2



#12
1,1-Dichloroethene
Concen: 3.24 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 96 Resp: 2499
Ion Ratio Lower Upper
96 100
61 184.6 124.6 187.0
98 64.6 50.6 76.0

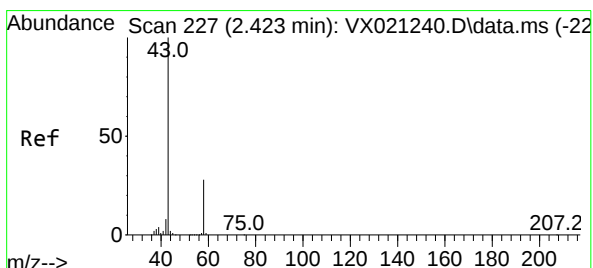
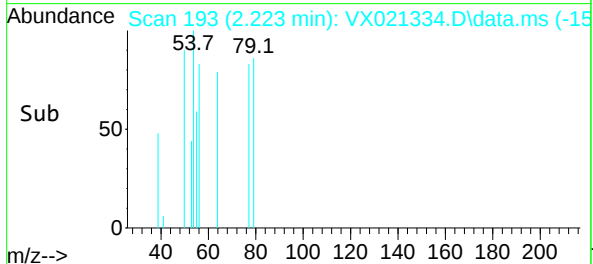
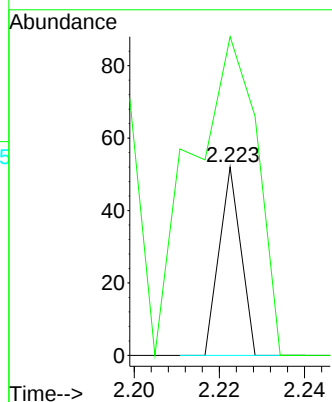
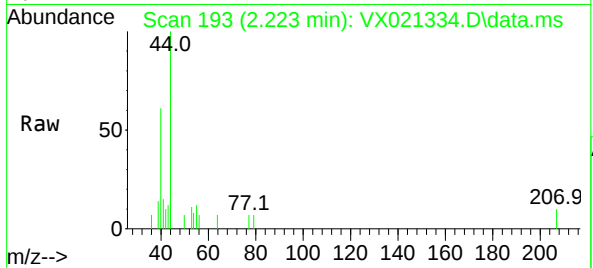




#13
Acrolein
Concen: 3.27 ug/l
RT: 2.223 min Scan# 193
Delta R.T. -0.053 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

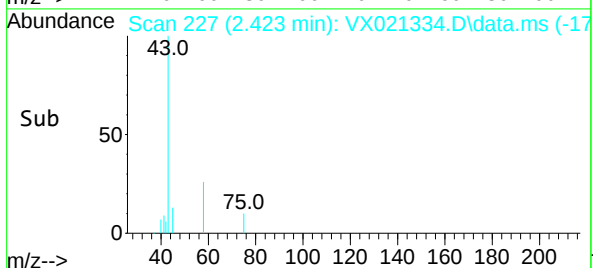
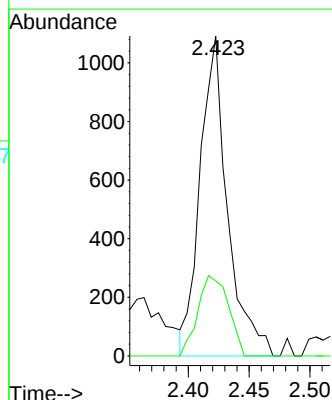
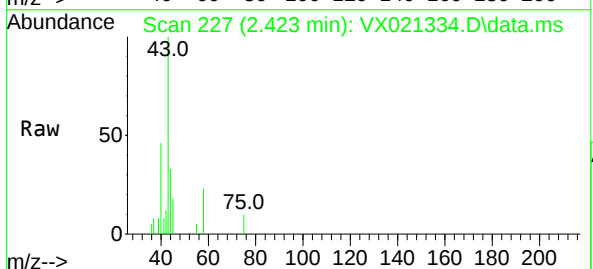
Instrument :
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ClientSampleId :
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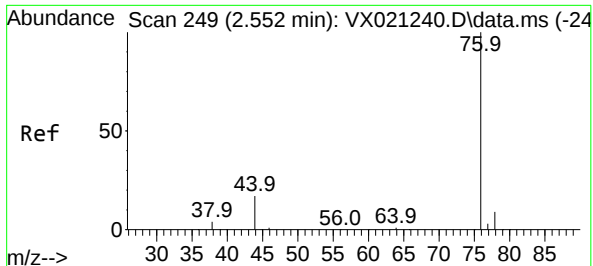
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 522.2 56.4 84.6#



#16
Acetone
Concen: 3.73 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
58 23.4 27.8 41.8#

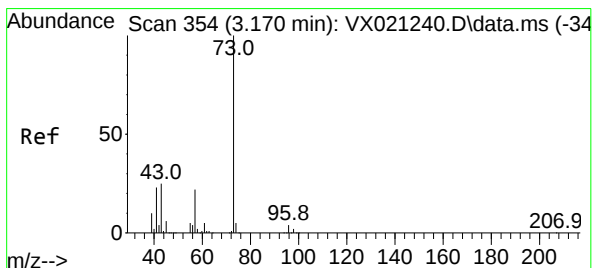
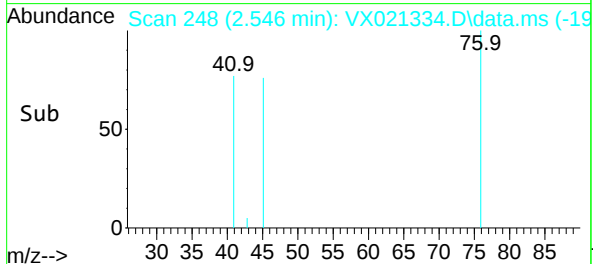
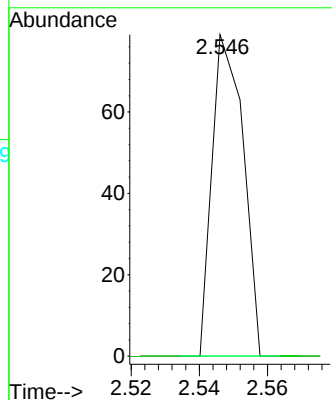
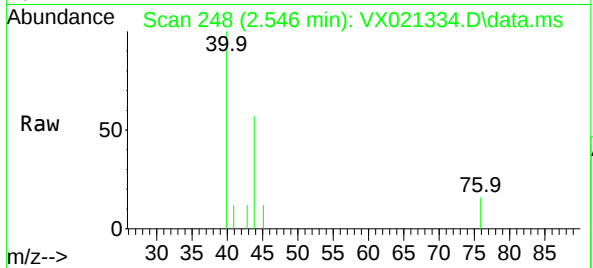




#17
Carbon Disulfide
Concen: 0.56 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

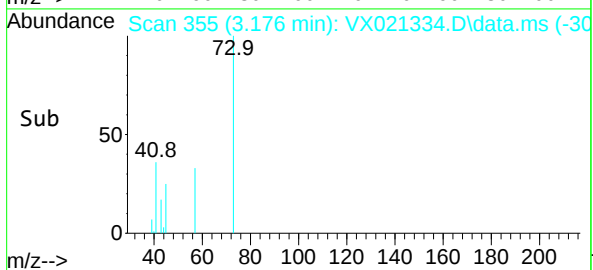
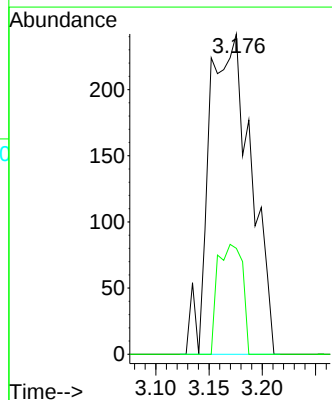
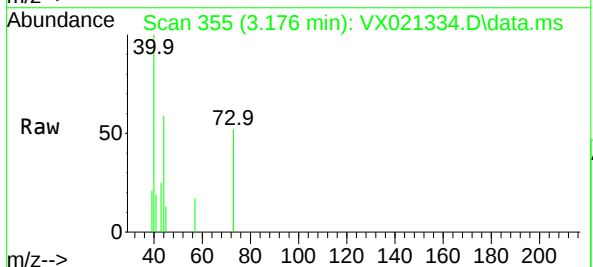
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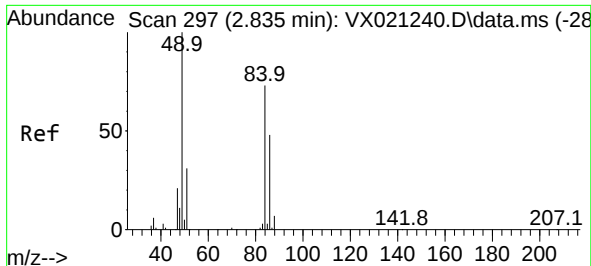
Tgt Ion: 76 Resp: 50
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 0.23 ug/l
RT: 3.176 min Scan# 355
Delta R.T. 0.006 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

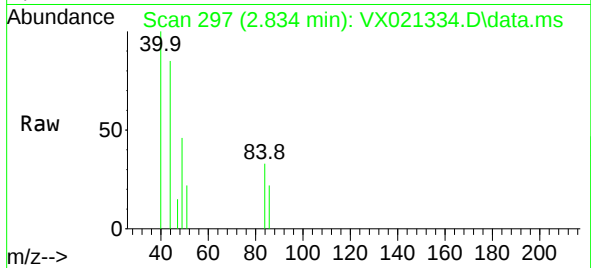
Tgt Ion: 73 Resp: 656
Ion Ratio Lower Upper
73 100
57 33.1 17.1 25.7#



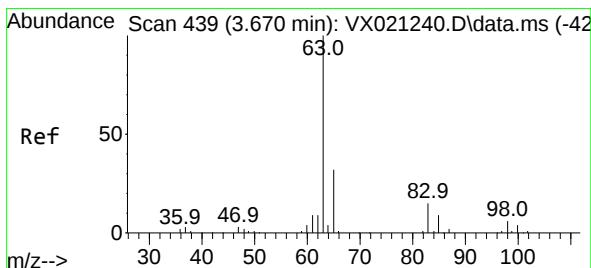
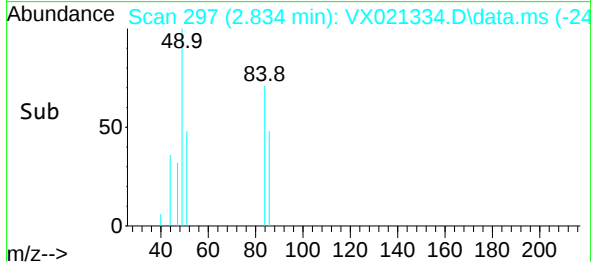
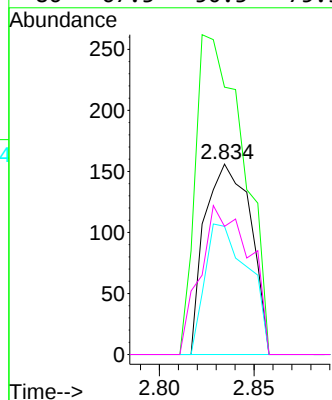


#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Instrument :
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ClientSampleId :
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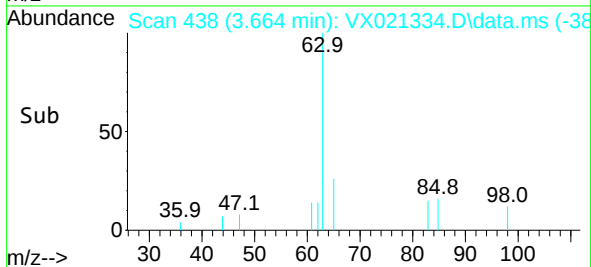
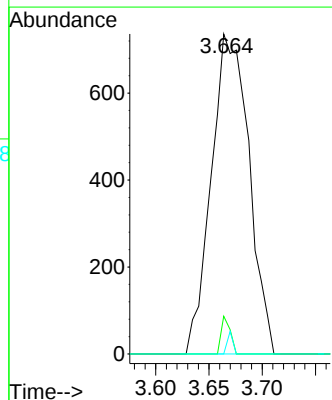
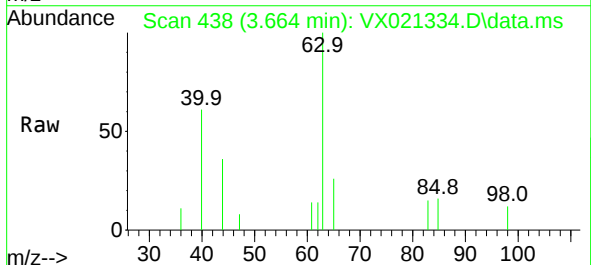


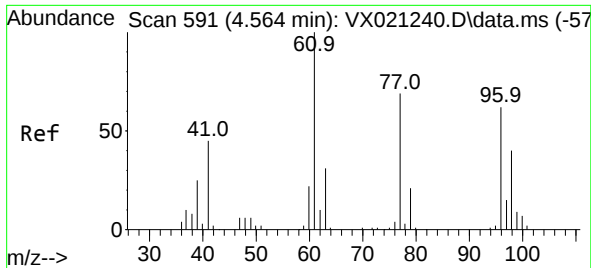
Tgt Ion:	84	Resp:	263
Ion	Ratio	Lower	Upper
84	100		
49	140.4	88.6	132.8#
51	67.3	27.0	40.6#
86	67.3	50.3	75.5



#24
1,1-Dichloroethane
Concen: 1.10 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion:	63	Resp:	1809
Ion	Ratio	Lower	Upper
63	100		
98	11.8	3.8	11.2#
100	0.0	2.5	7.5#





#27

cis-1,2-Dichloroethene

Concen: 4.13 ug/l

RT: 4.564 min Scan# 591

Delta R.T. -0.000 min

Lab File: VX021334.D

Acq: 20 Mar 2021 08:13

Tgt Ion: 96 Resp: 4092

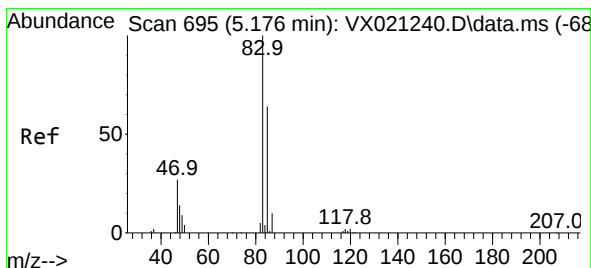
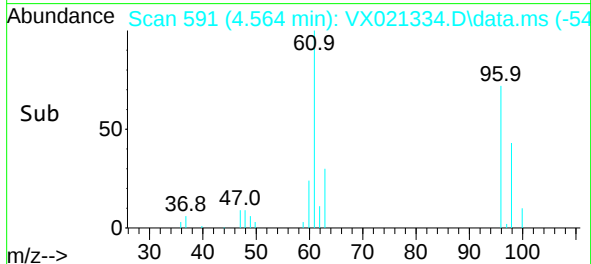
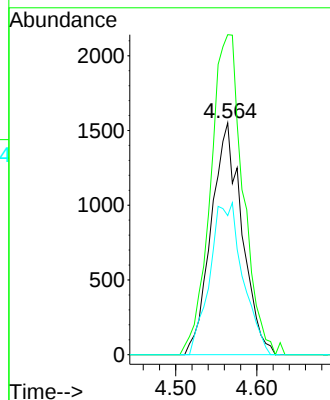
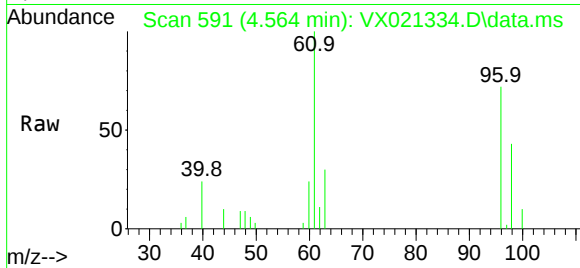
Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	285.6
98	70.0	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20210316



#30

Chloroform

Concen: 0.68 ug/l

RT: 5.176 min Scan# 695

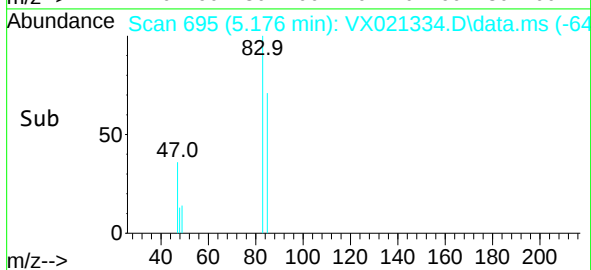
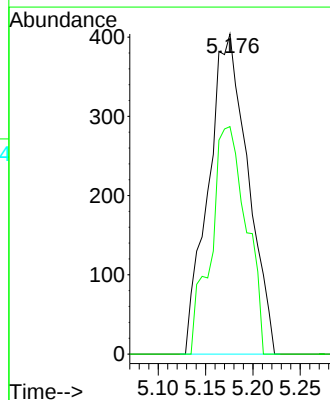
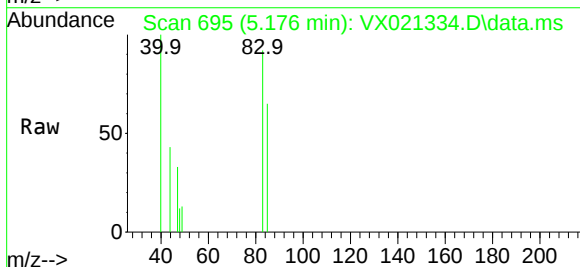
Delta R.T. -0.000 min

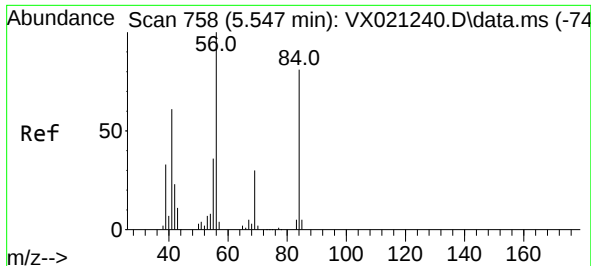
Lab File: VX021334.D

Acq: 20 Mar 2021 08:13

Tgt Ion: 83 Resp: 1174

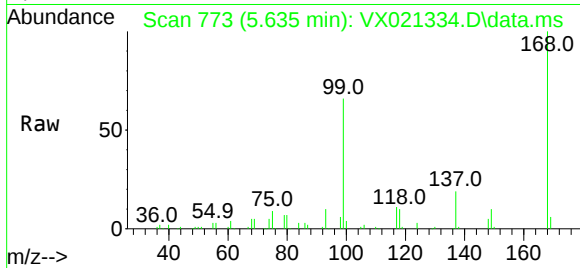
Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.0	78.0



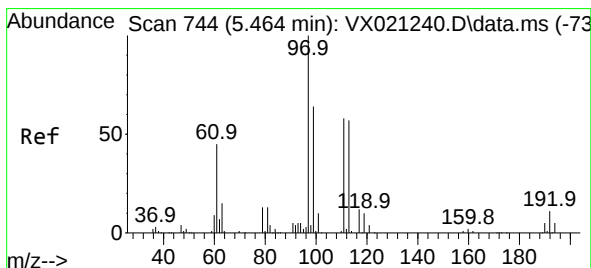
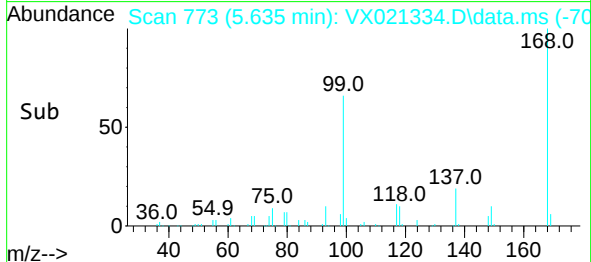
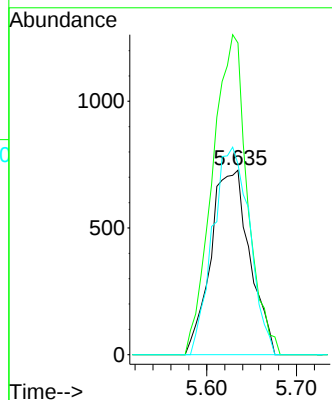


#31
Cyclohexane
Concen: 1.46 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

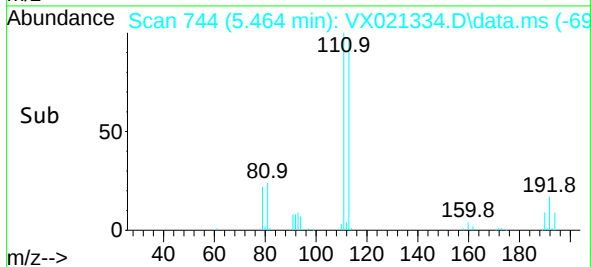
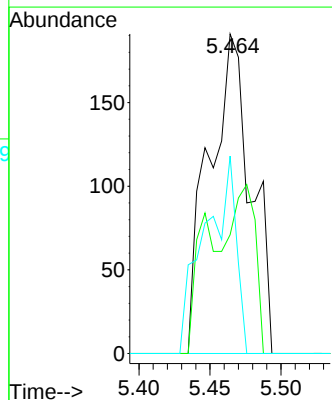
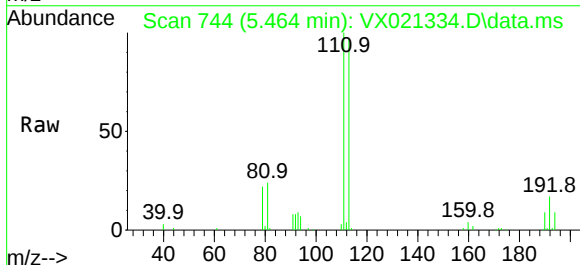


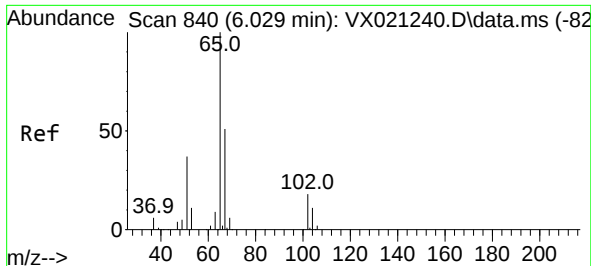
Tgt Ion: 56 Resp: 2195
Ion Ratio Lower Upper
56 100
69 169.0 25.3 37.9#
84 103.4 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.26 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 97 Resp: 392
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 45.9 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 49.03 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021334.D

Acq: 20 Mar 2021 08:13

Tgt Ion: 65 Resp: 60930

Ion Ratio Lower Upper

65 100

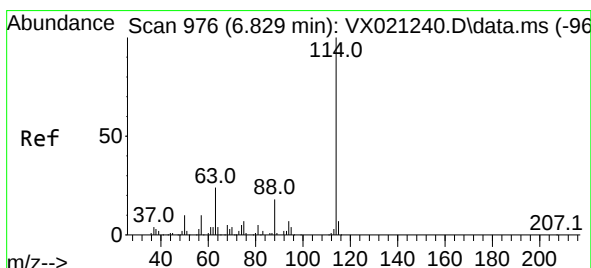
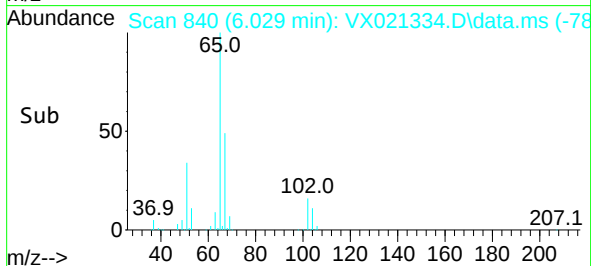
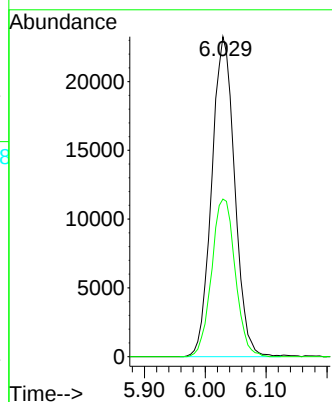
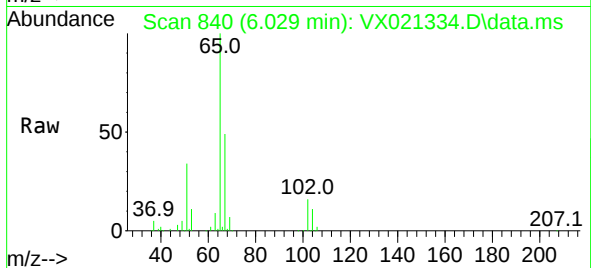
67 50.6 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20210316



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021334.D

Acq: 20 Mar 2021 08:13

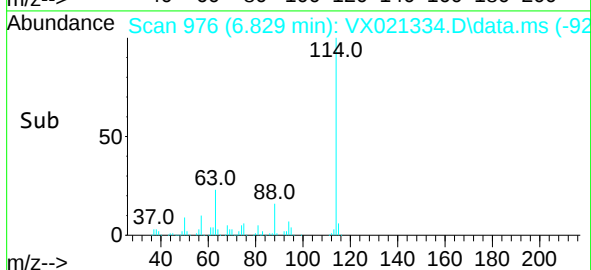
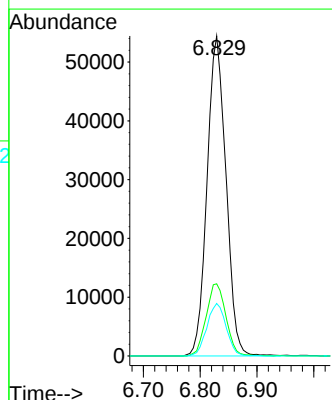
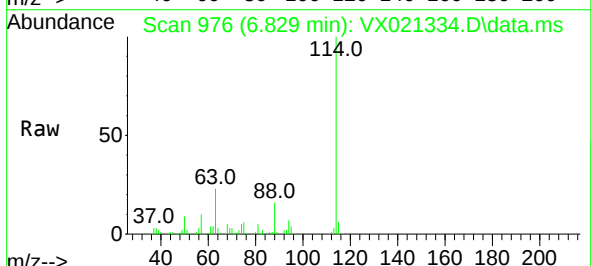
Tgt Ion: 114 Resp: 125513

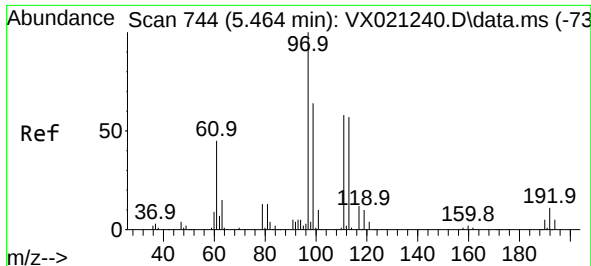
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.8

88 16.4 0.0 32.8

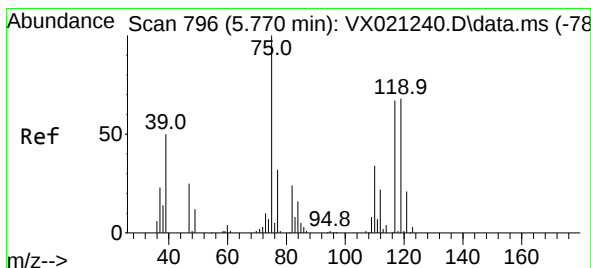
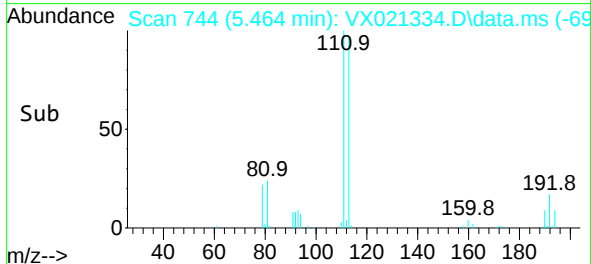
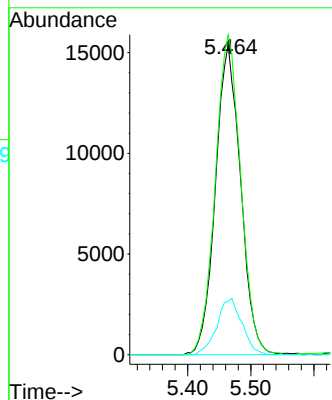
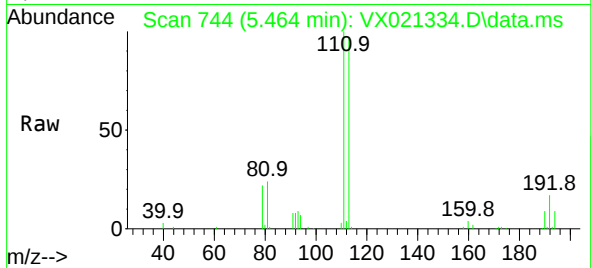




#35
Dibromofluoromethane
Concen: 49.76 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

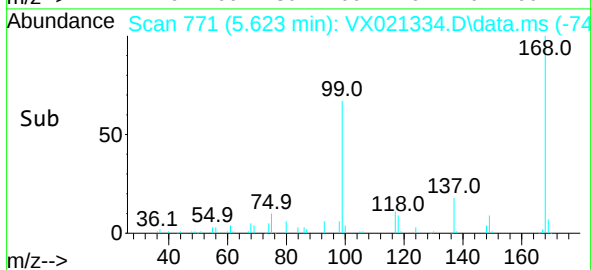
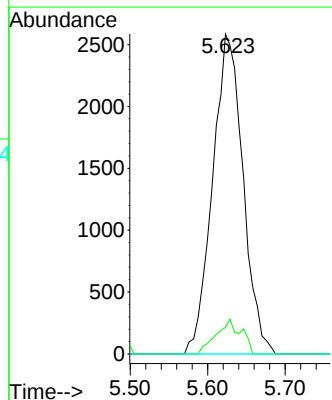
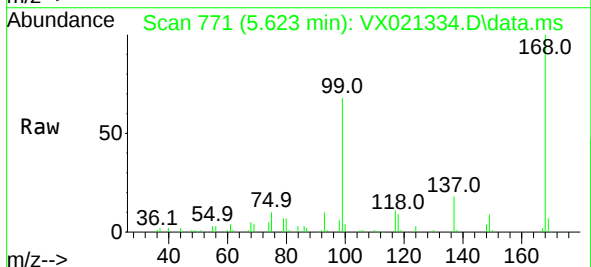
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

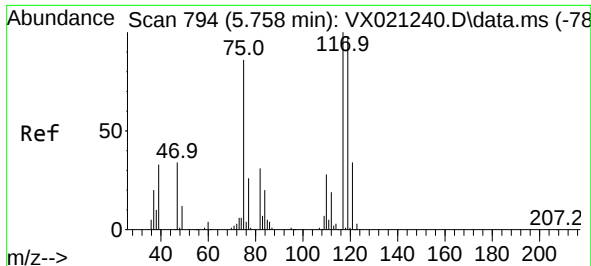
Tgt Ion:113 Resp: 42501
Ion Ratio Lower Upper
113 100
111 104.9 81.9 122.9
192 18.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.57 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

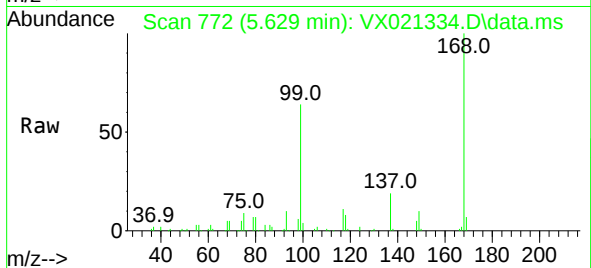
Tgt Ion: 75 Resp: 7046
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#



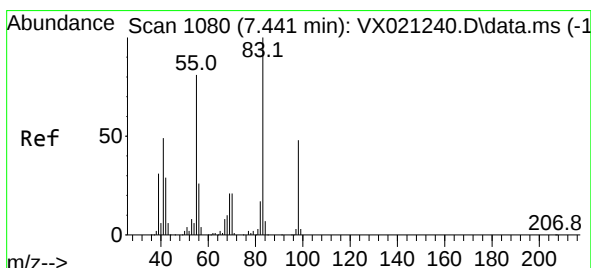
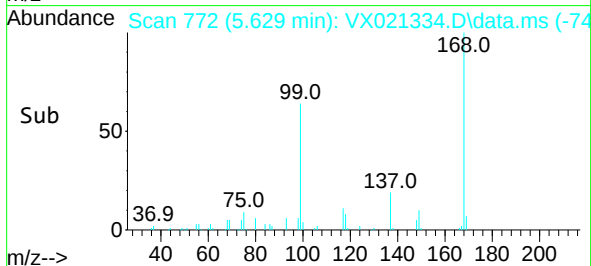
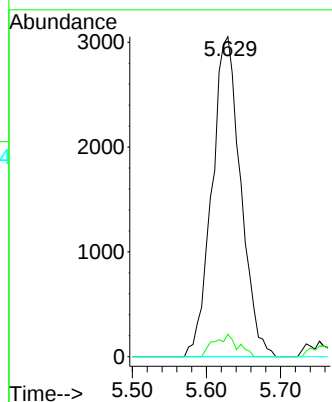


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

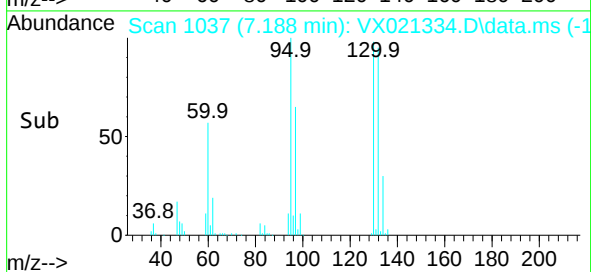
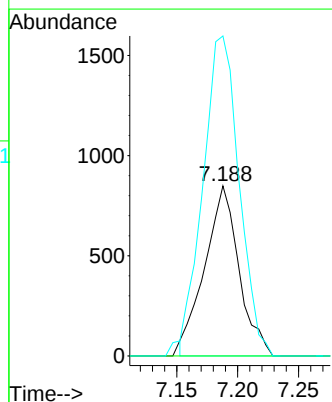
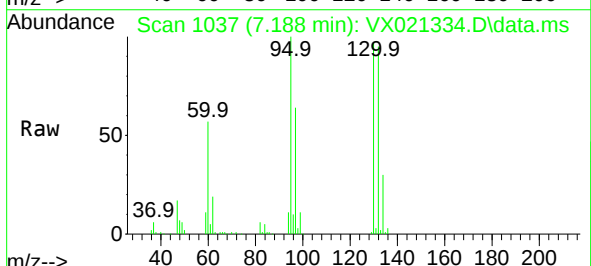


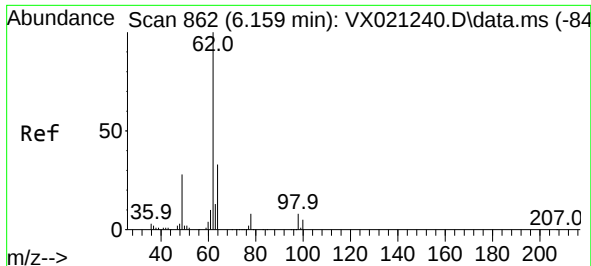
Tgt Ion:117 Resp: 8225
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.18 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 83 Resp: 1650
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 188.1 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.40 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.005 min

Lab File: VX021334.D

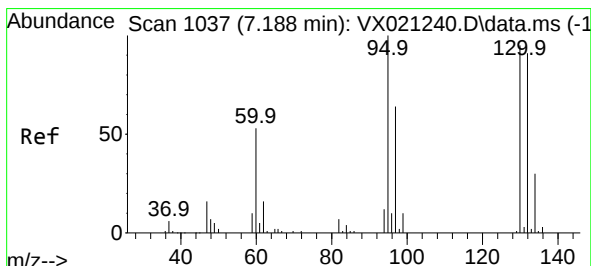
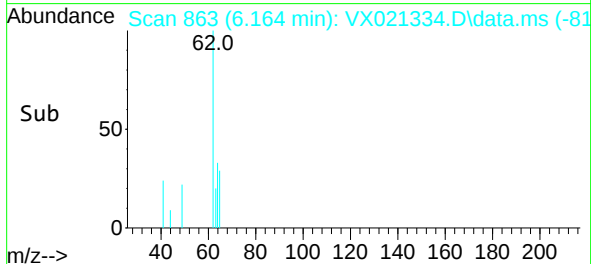
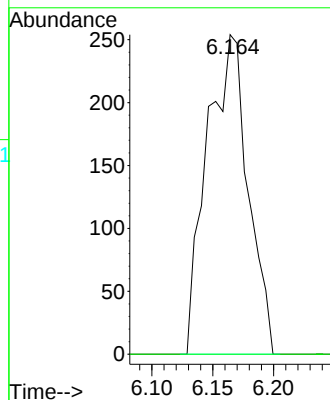
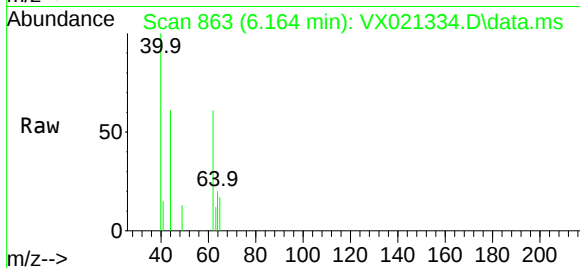
Acq: 20 Mar 2021 08:13

Tgt Ion: 62 Resp: 596

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 125.50 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021334.D

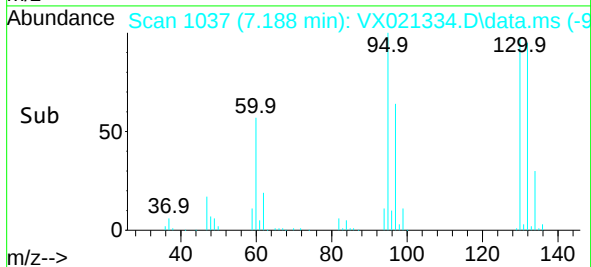
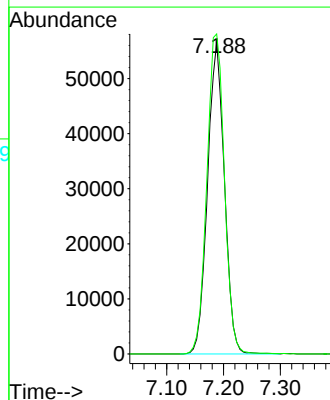
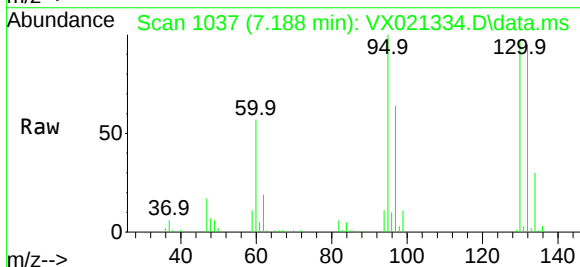
Acq: 20 Mar 2021 08:13

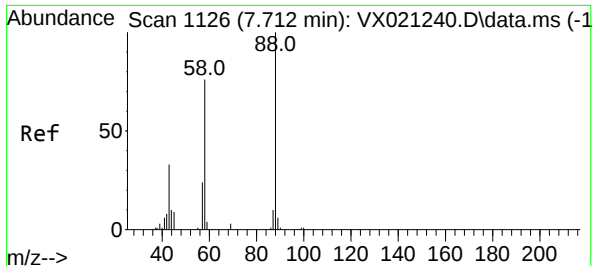
Tgt Ion:130 Resp: 116184

Ion Ratio Lower Upper

130 100

95 102.7 0.0 198.0

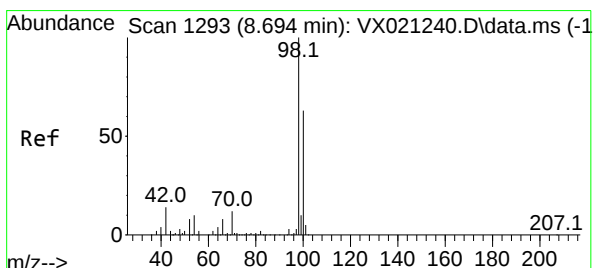
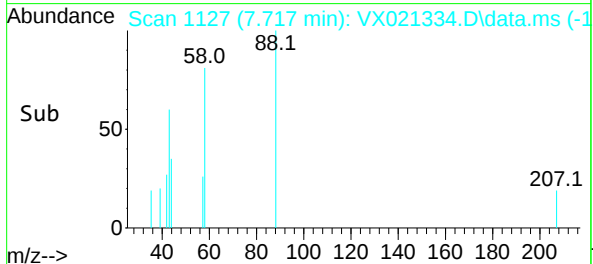
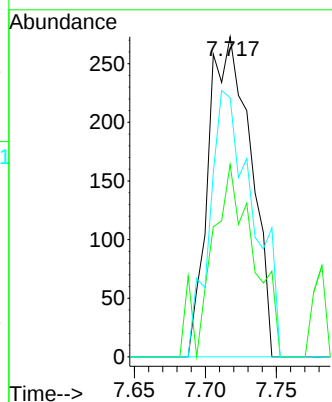
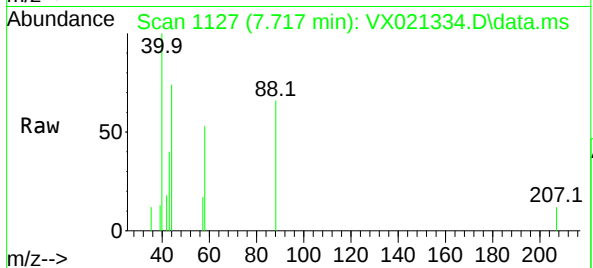




#49
1,4-Dioxane
Concen: 15.09 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

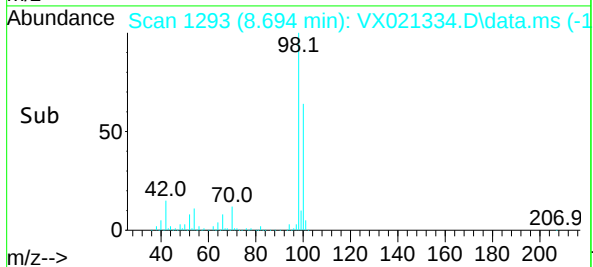
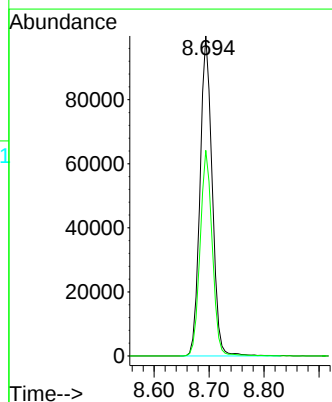
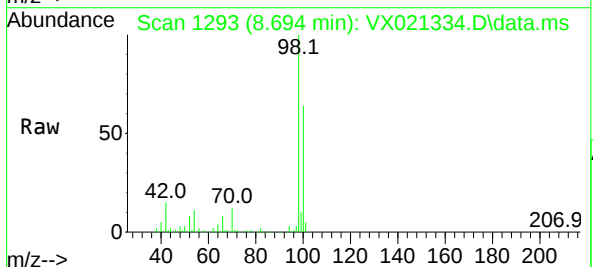
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

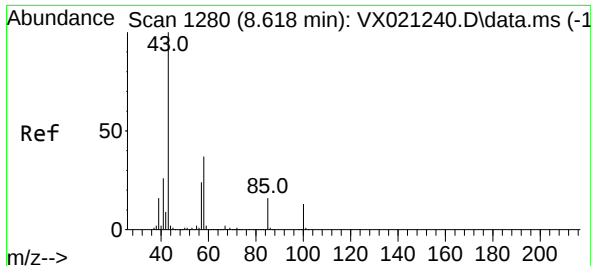
Tgt Ion: 88 Resp: 567
Ion Ratio Lower Upper
88 100
43 60.3 23.2 34.8#
58 84.5 55.0 82.4#



#50
Toluene-d8
Concen: 49.56 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 98 Resp: 153575
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

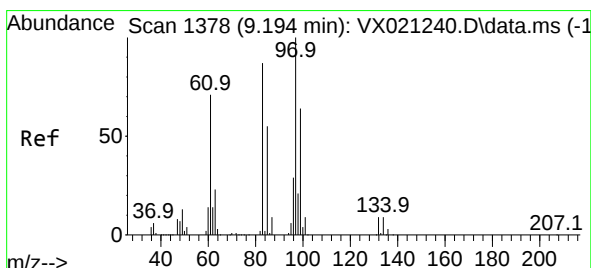
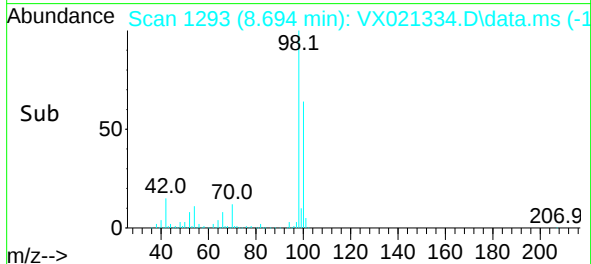
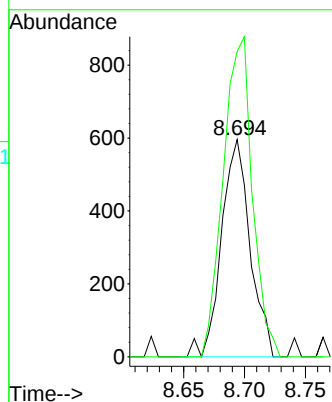
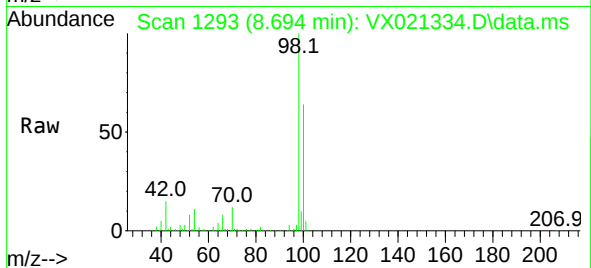




#51
4-Methyl-2-Pentanone
Concen: 0.70 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.076 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

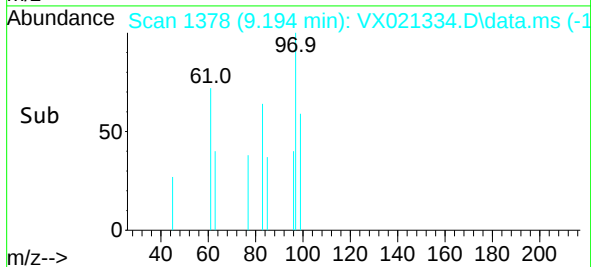
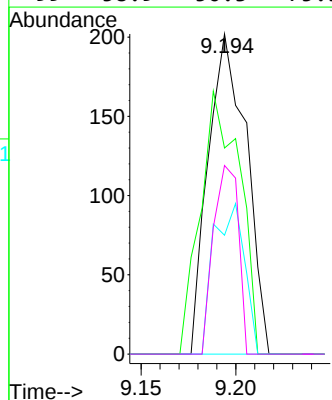
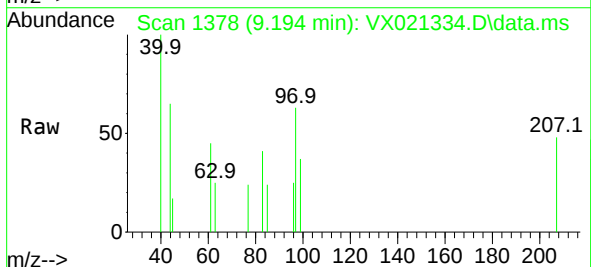
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

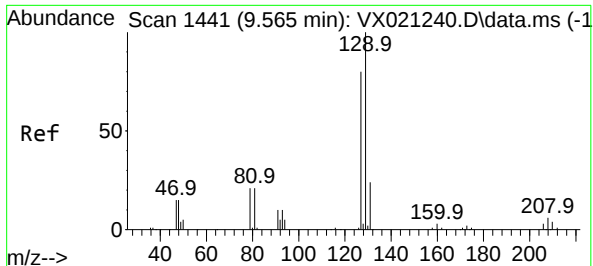
Tgt Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
58 150.8 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.32 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 97 Resp: 283
Ion Ratio Lower Upper
97 100
83 64.4 69.3 103.9#
85 37.1 44.3 66.5#
99 58.9 50.3 75.5

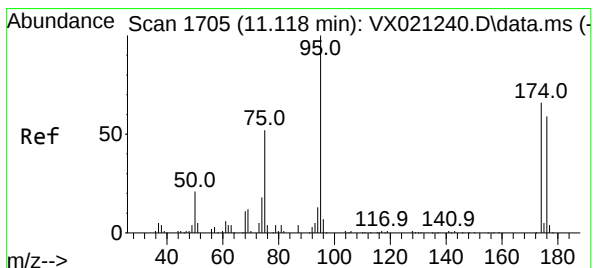
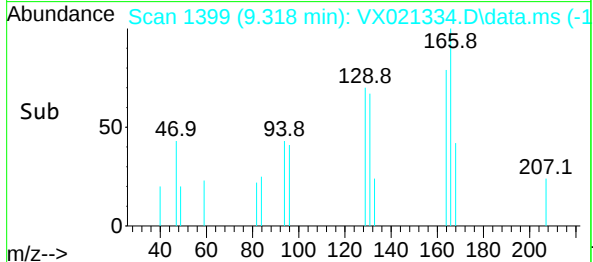
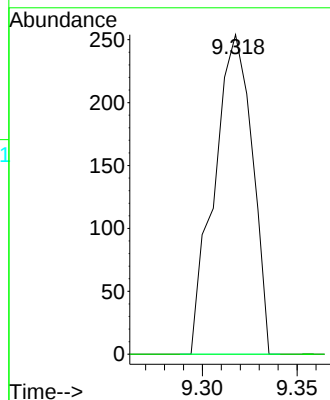
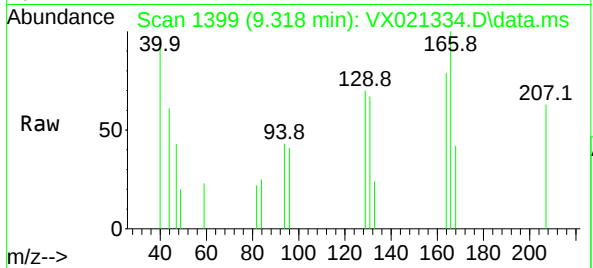




#60
Dibromochloromethane
Concen: 0.35 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

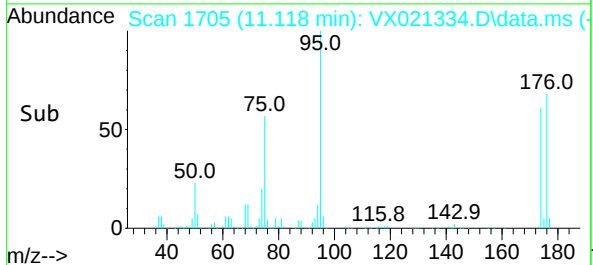
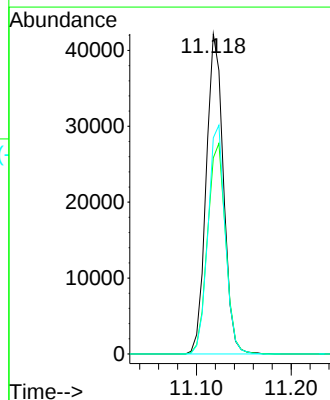
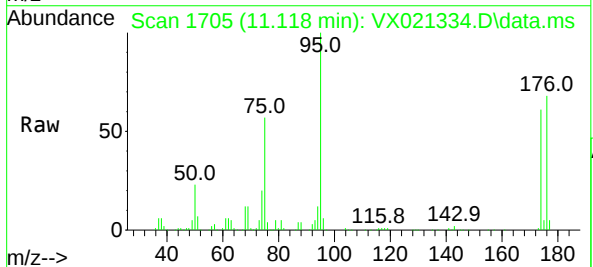
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

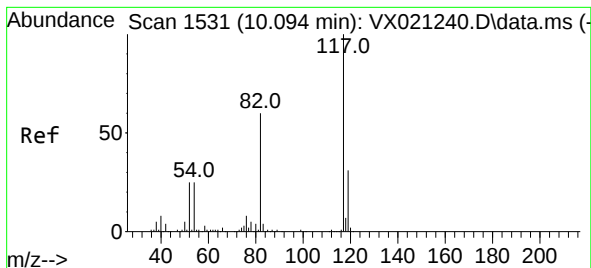
Tgt Ion:129 Resp: 355
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.18 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion: 95 Resp: 53173
Ion Ratio Lower Upper
95 100
174 69.0 0.0 154.6
176 71.3 0.0 155.8

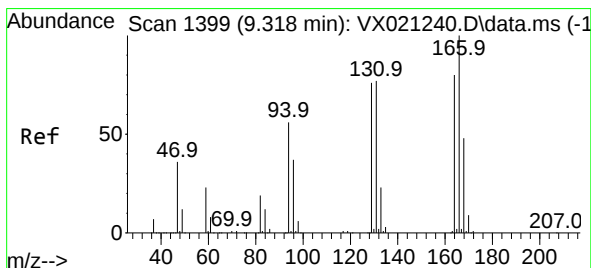
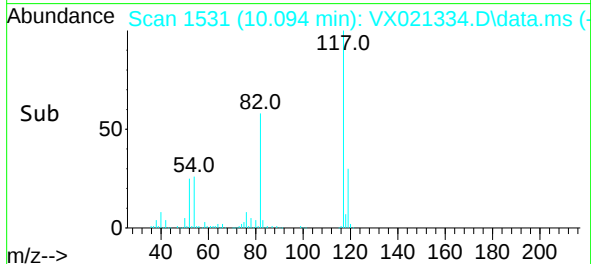
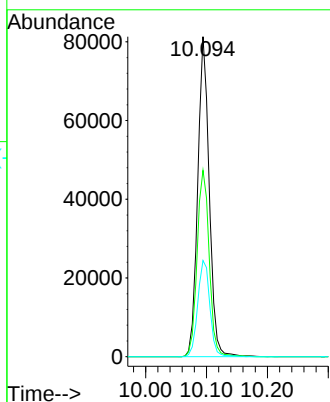
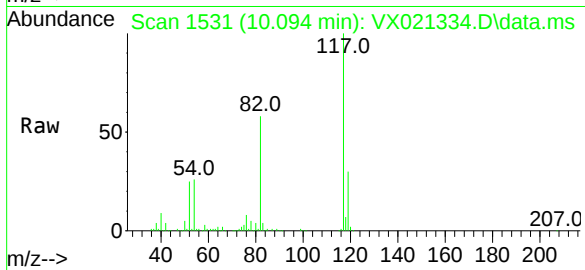




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

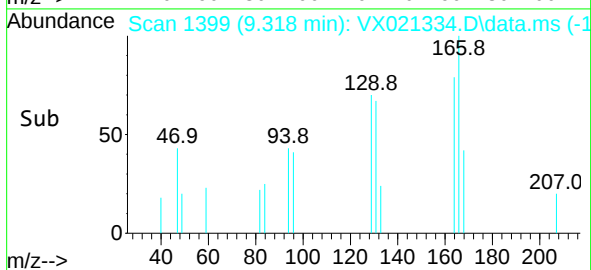
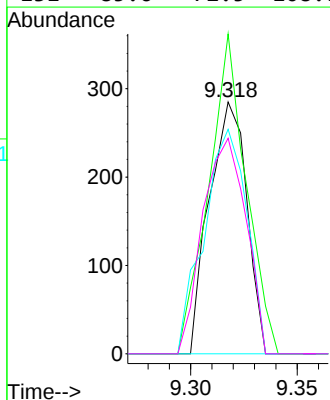
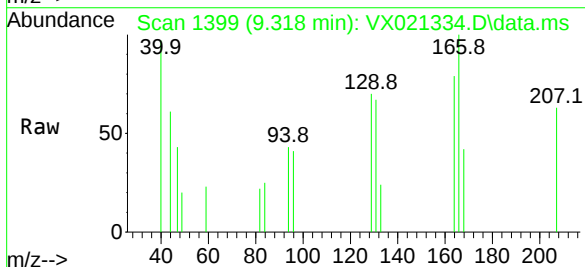
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20210316

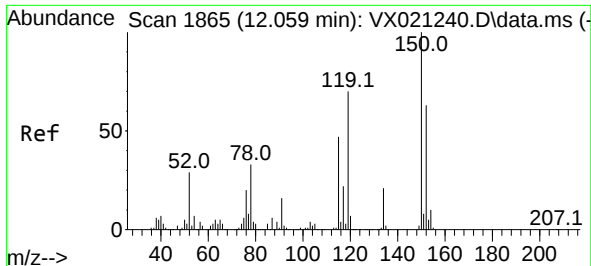
Tgt Ion:117 Resp: 106758
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 30.1 26.6 39.8



#64
Tetrachloroethene
Concen: 0.44 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021334.D
Acq: 20 Mar 2021 08:13

Tgt Ion:164 Resp: 348
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.2
129 89.1 70.8 106.2
131 85.6 72.5 108.7

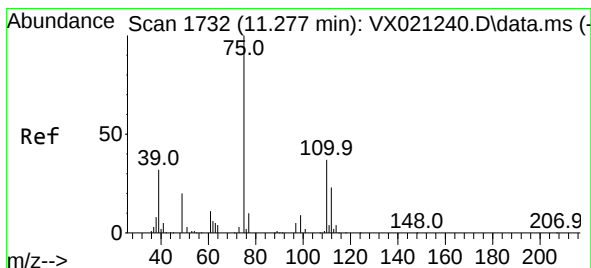
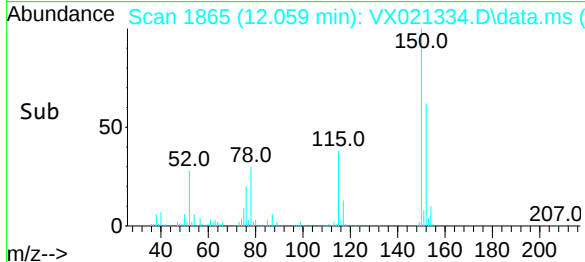
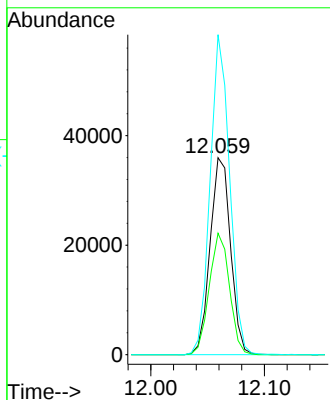
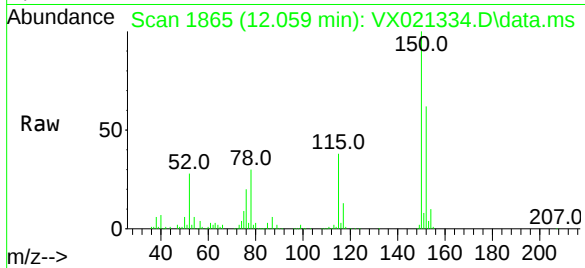




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021334.D
 Acq: 20 Mar 2021 08:13

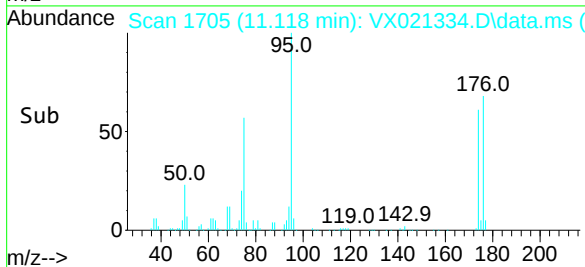
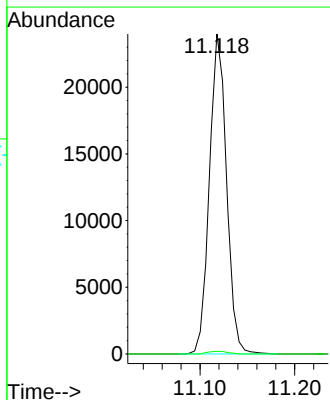
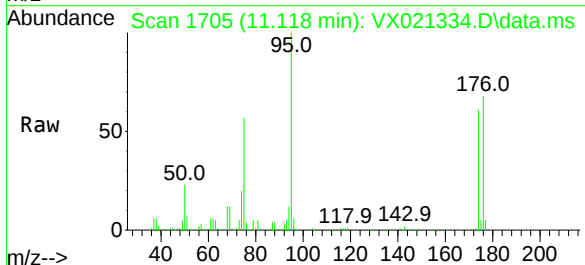
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20210316

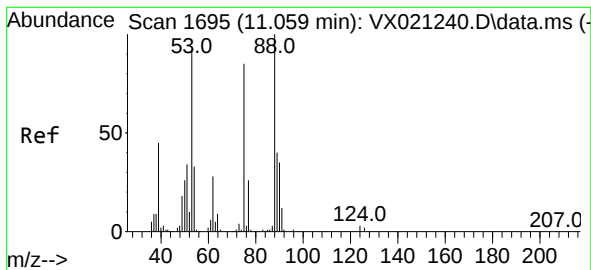
Tgt Ion:152 Resp: 45089
 Ion Ratio Lower Upper
 152 100
 115 60.7 41.1 123.3
 150 154.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.88 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021334.D
 Acq: 20 Mar 2021 08:13

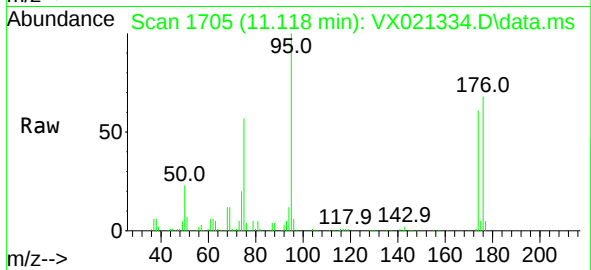
Tgt Ion: 75 Resp: 30206
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.41 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021334.D
 Acq: 20 Mar 2021 08:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20210316



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

