

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021598.D
 Acq On : 30 Mar 2021 00:17
 Operator : JC/MD
 Sample : M1843-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20210324

Quant Time: Mar 30 05:21:57 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)

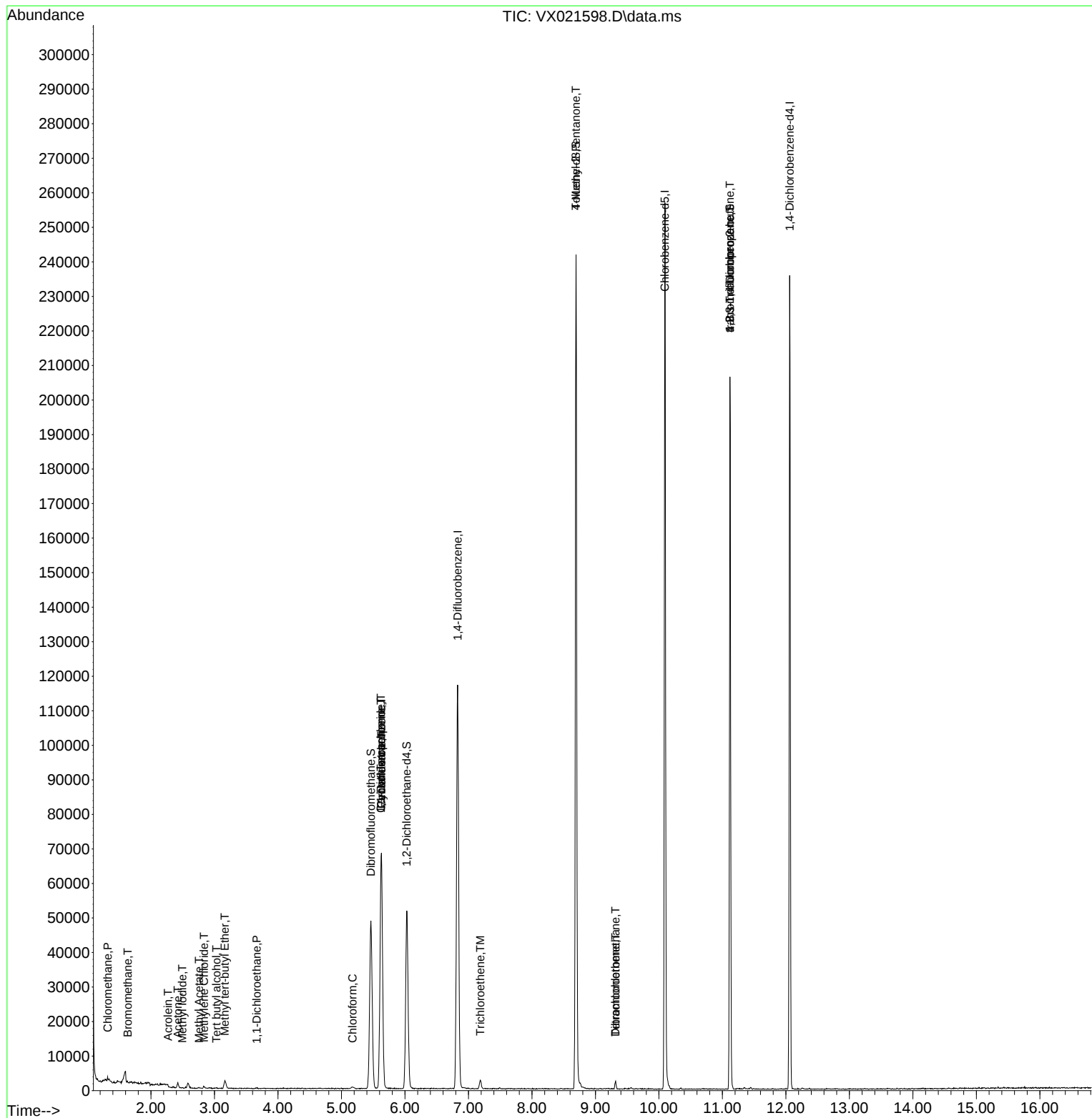
Internal Standards						
1) Pentafluorobenzene	5.629	168	58844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	107842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44026	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50930	52.02	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.04%
35) Dibromofluoromethane	5.464	113	39531	51.04	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.08%
50) Toluene-d8	8.694	98	136335	49.40	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.80%
62) 4-Bromofluorobenzene	11.118	95	51880	48.35	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.70%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1284	1.77	ug/l #	85
5) Bromomethane	1.634	94	116	0.44	ug/l #	77
10) Methyl Iodide	2.493	142	18	6.67	ug/l #	42
11) Tert butyl alcohol	3.029	59	41	0.25	ug/l #	73
13) Acrolein	2.270	56	20	4.54	ug/l #	14
16) Acetone	2.423	43	1380	3.73	ug/l #	82
18) Methyl Acetate	2.758	43	281	0.26	ug/l #	47
19) Methyl tert-butyl Ether	3.164	73	2137	0.96	ug/l #	87
20) Methylene Chloride	2.834	84	239	0.33	ug/l #	68
24) 1,1-Dichloroethane	3.664	63	255	0.20	ug/l #	81
30) Chloroform	5.176	83	601	0.45	ug/l	94
31) Cyclohexane	5.629	56	1605	1.49	ug/l #	36
36) 1,1-Dichloropropene	5.623	75	5448	5.10	ug/l #	48
38) Carbon Tetrachloride	5.623	117	6582	5.73	ug/l #	16
44) Trichloroethene	7.188	130	906	1.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.694	43	838	0.68	ug/l #	1
60) Dibromochloromethane	9.318	129	376	0.42	ug/l #	11
64) Tetrachloroethene	9.318	164	382	0.53	ug/l #	76
76) 1,2,3-Trichloropropane	11.118	75	29227	28.52	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	29227	86.86	ug/l #	12

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

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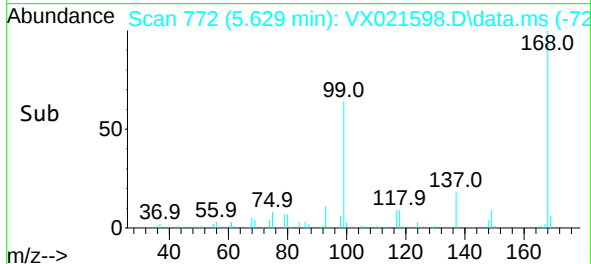
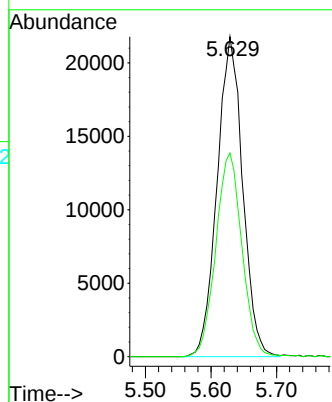
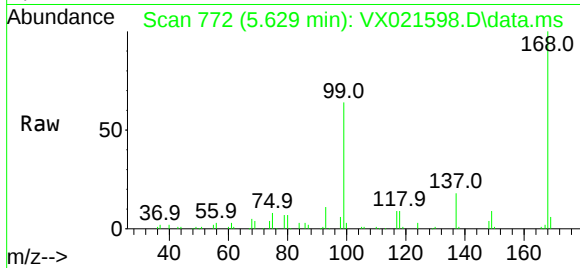




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

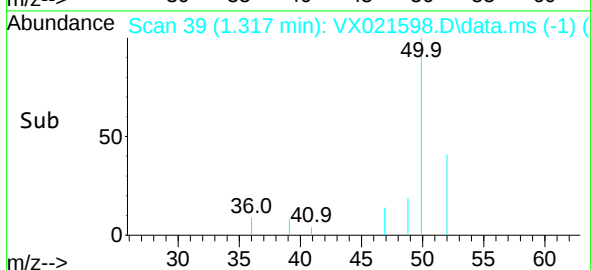
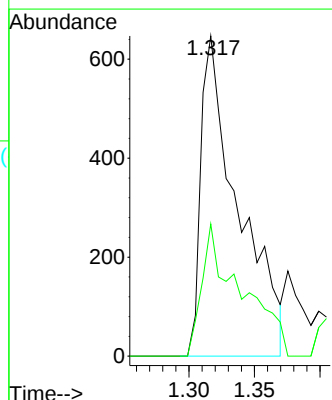
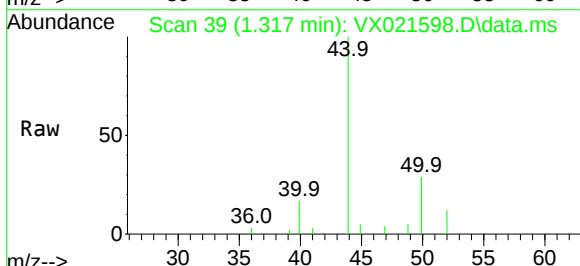
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

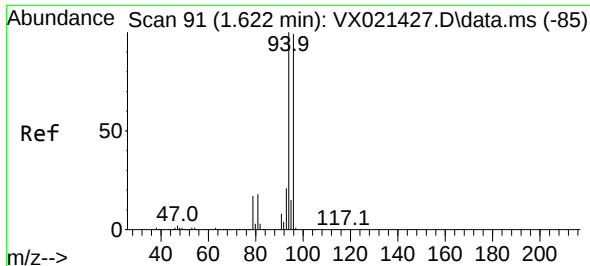
Tgt Ion:168 Resp: 58844
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#3
Chloromethane
Concen: 1.77 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 50 Resp: 1284
Ion Ratio Lower Upper
50 100
52 41.3 26.4 39.6#

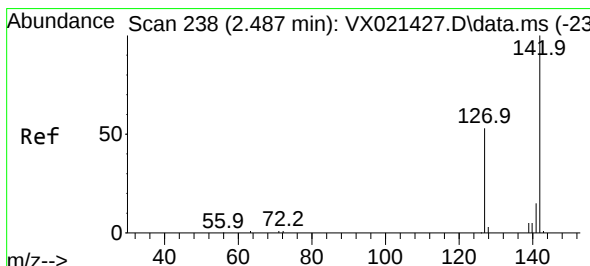
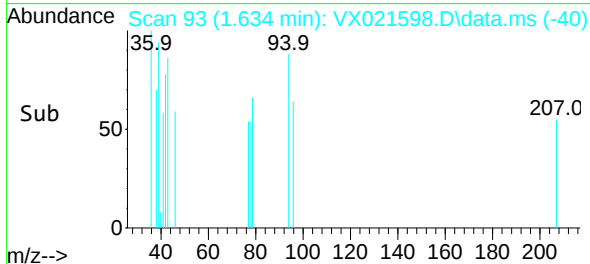
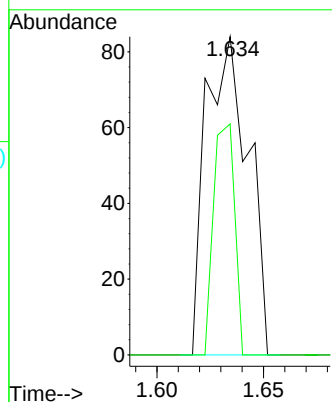
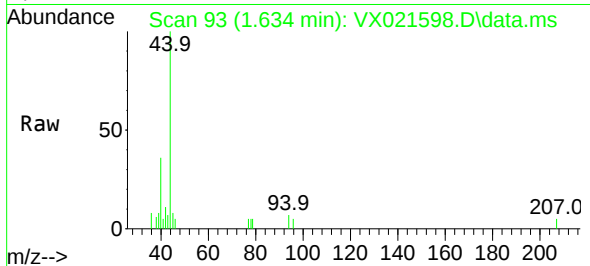




#5
Bromomethane
Concen: 0.44 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

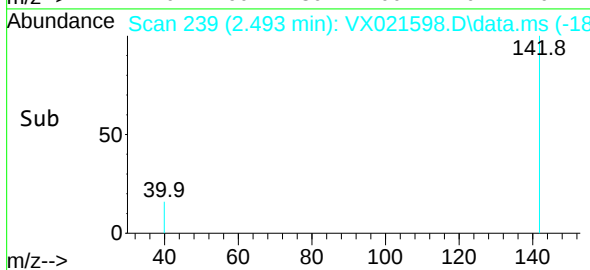
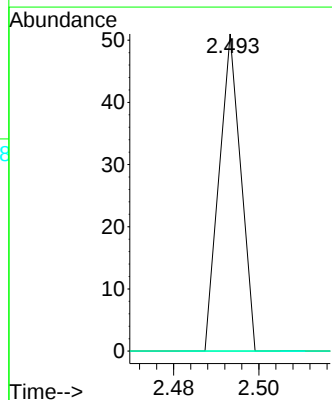
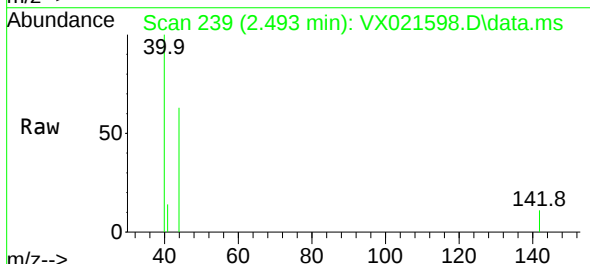
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 72.6 76.4 114.6#



#10
Methyl Iodide
Concen: 6.67 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 142 Resp: 18
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

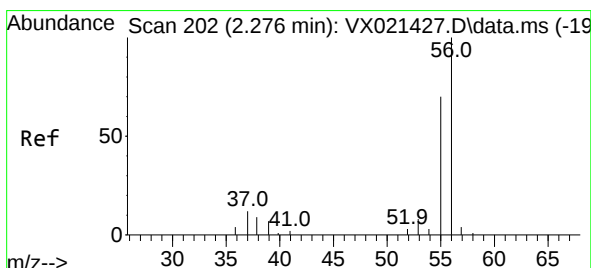
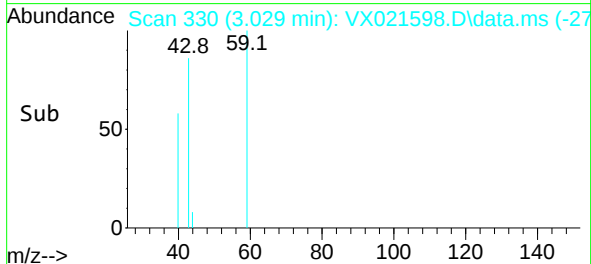
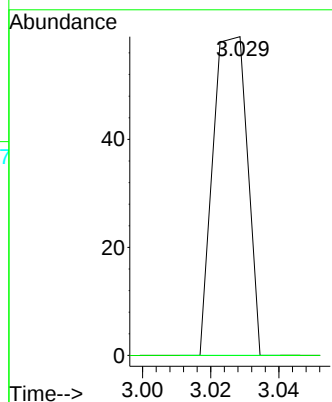
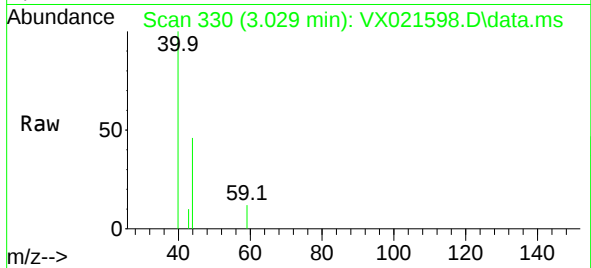




#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 3.029 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

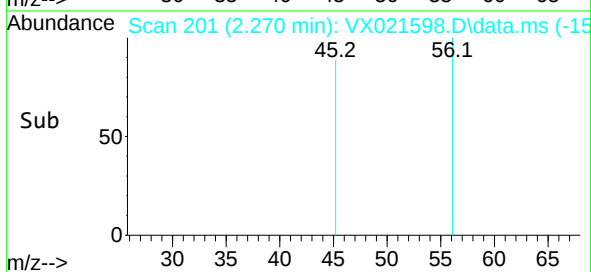
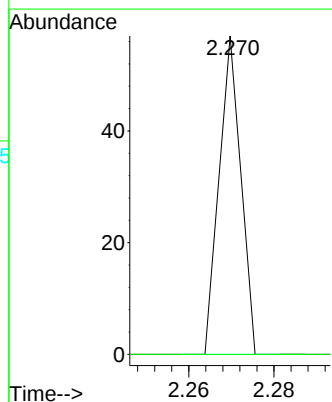
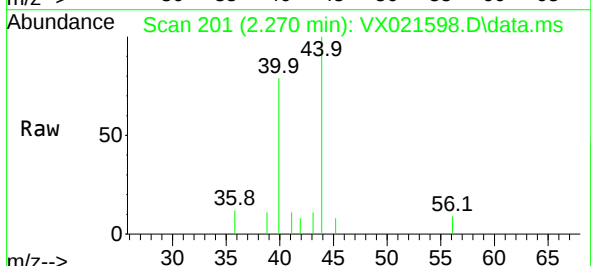
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 4.54 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

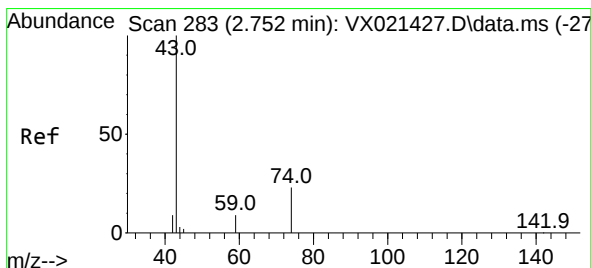
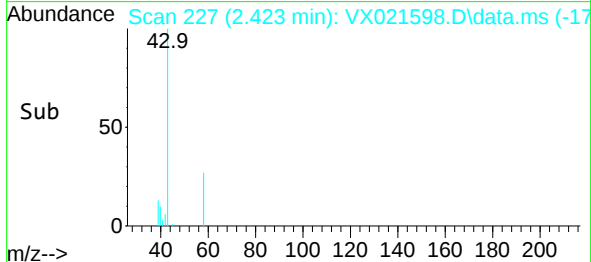
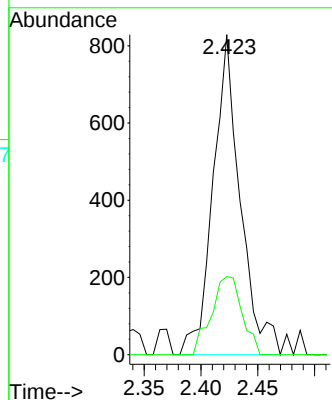
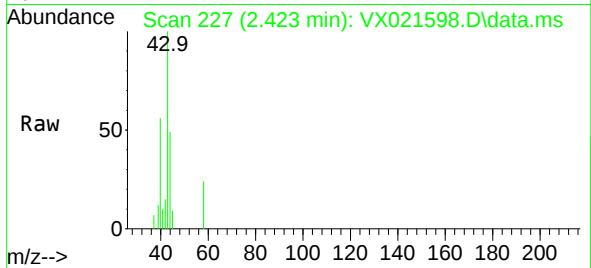




#16
Acetone
Concen: 3.73 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

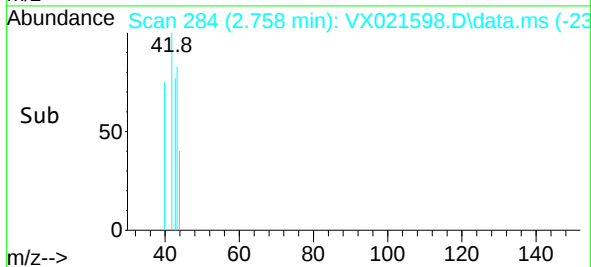
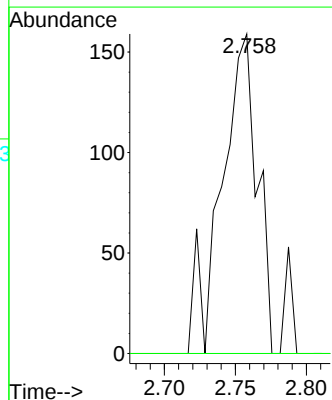
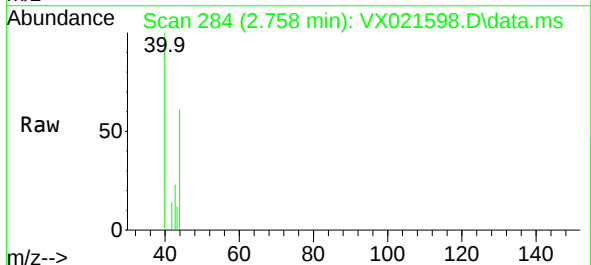
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

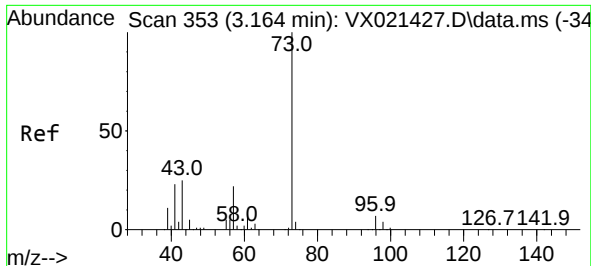
Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
58 24.4 27.8 41.8#



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



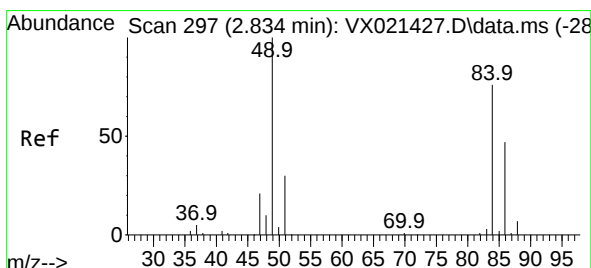
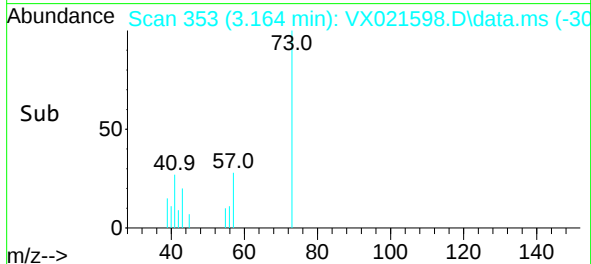
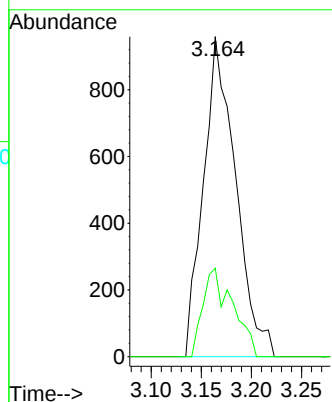
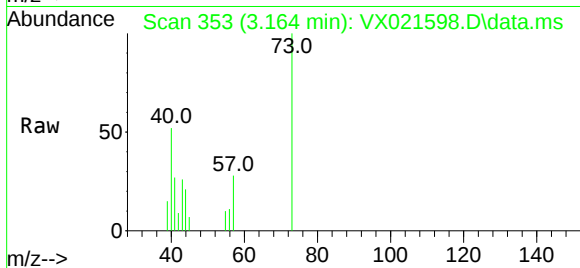


#19

Methyl tert-butyl Ether
Concen: 0.96 ug/l
RT: 3.164 min Scan# 353
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

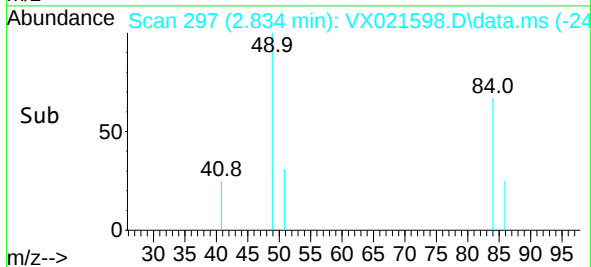
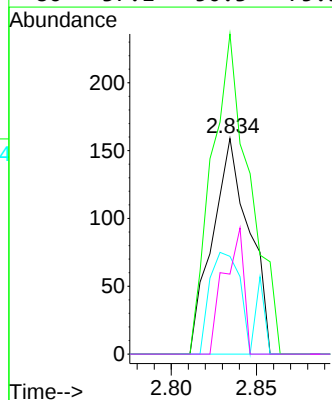
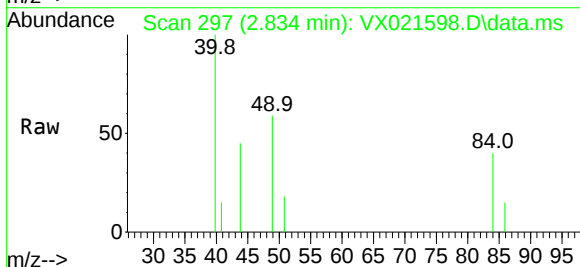
Tgt Ion: 73 Resp: 2137
Ion Ratio Lower Upper
73 100
57 27.6 17.1 25.7#

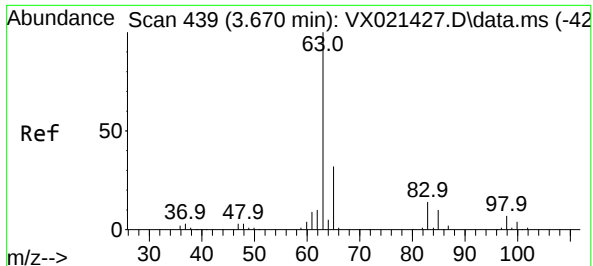


#20

Methylene Chloride
Concen: 0.33 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 84 Resp: 239
Ion Ratio Lower Upper
84 100
49 148.4 88.6 132.8#
51 45.3 27.0 40.6#
86 37.1 50.3 75.5#

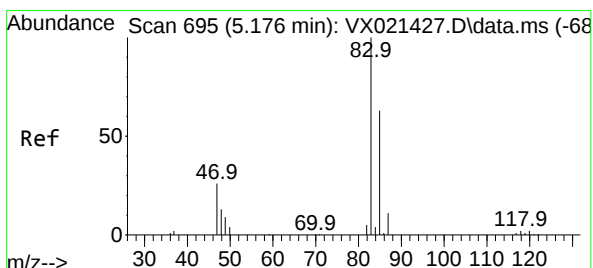
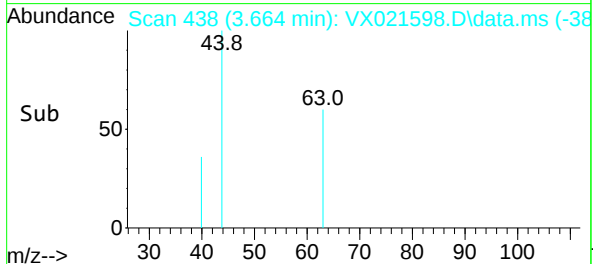
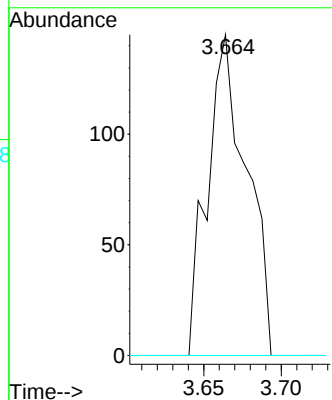
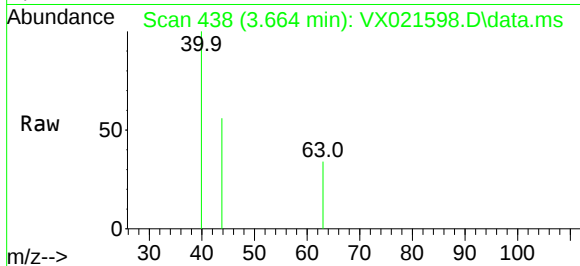




#24
1,1-Dichloroethane
Concen: 0.20 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

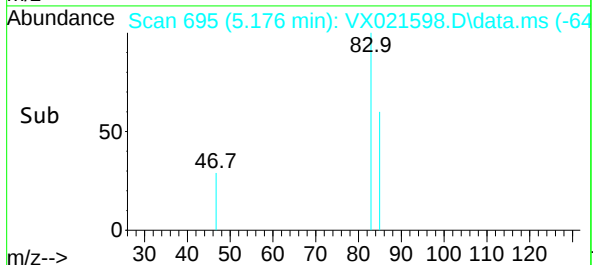
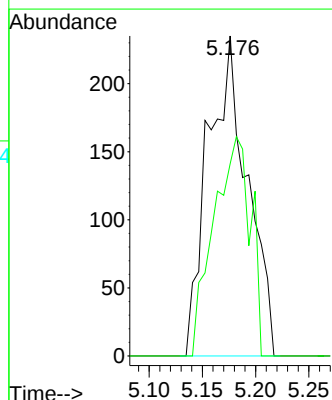
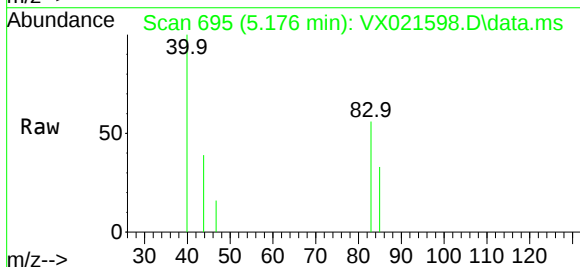
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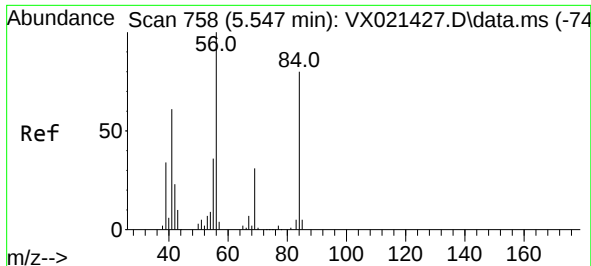
Tgt Ion: 63 Resp: 255
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#30
Chloroform
Concen: 0.45 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

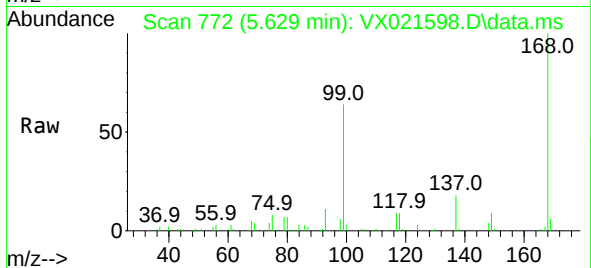
Tgt Ion: 83 Resp: 601
Ion Ratio Lower Upper
83 100
85 60.0 52.0 78.0



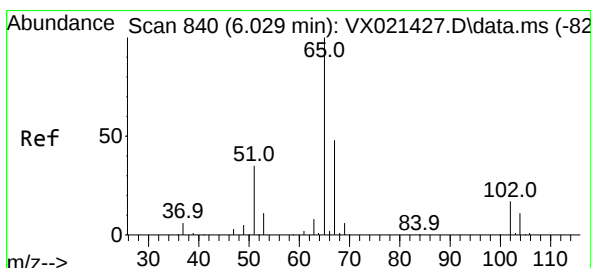
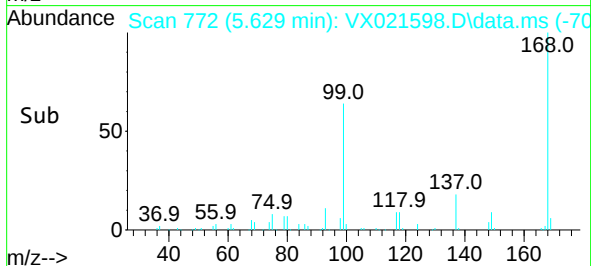
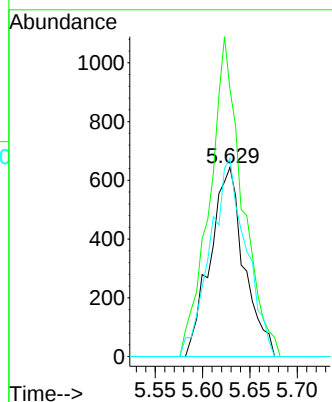


#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

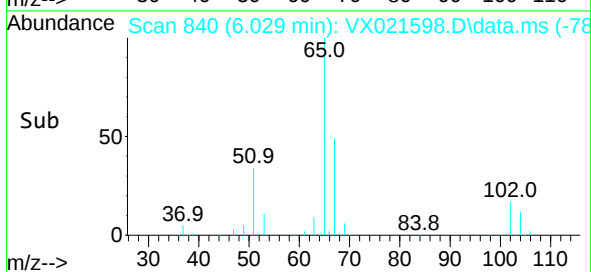
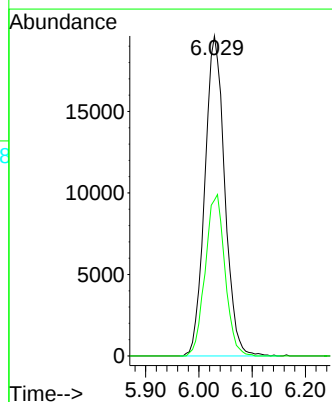
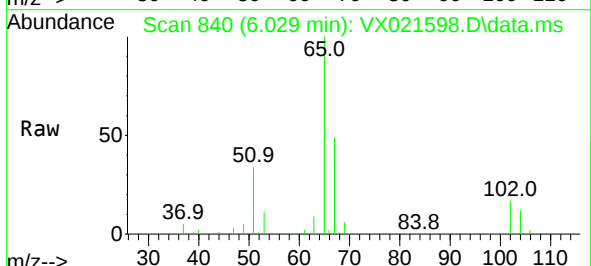


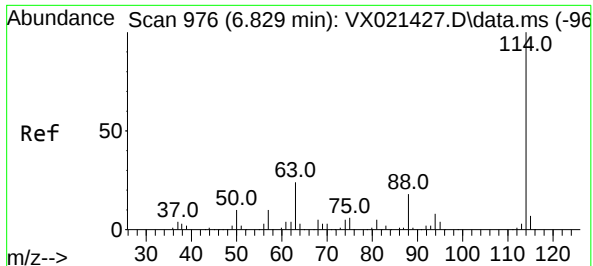
Tgt Ion: 56 Resp: 1605
Ion Ratio Lower Upper
56 100
69 141.1 25.3 37.9#
84 104.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.02 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 65 Resp: 50930
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

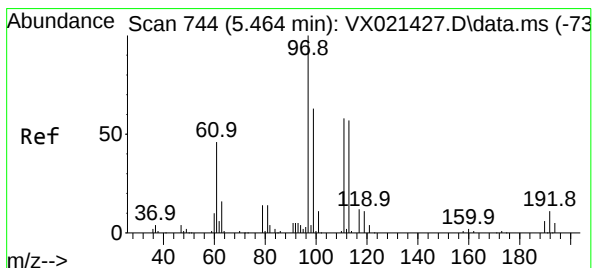
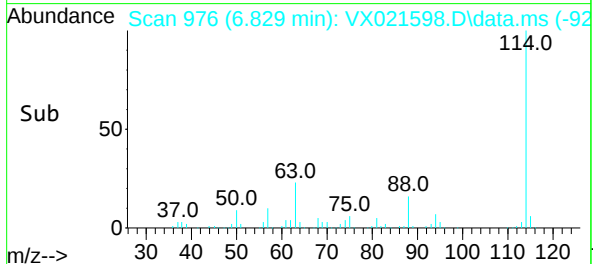
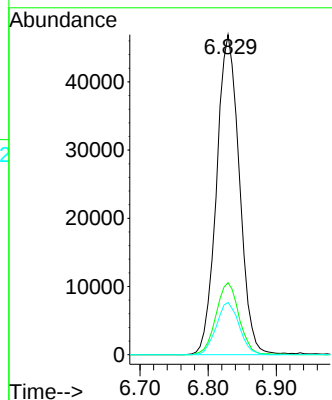
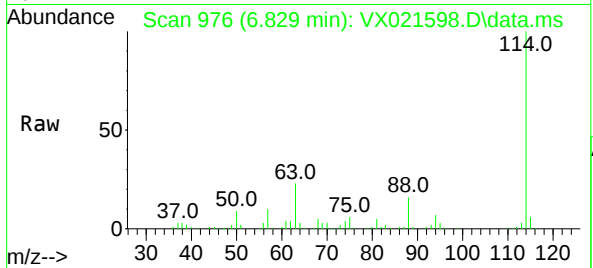




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

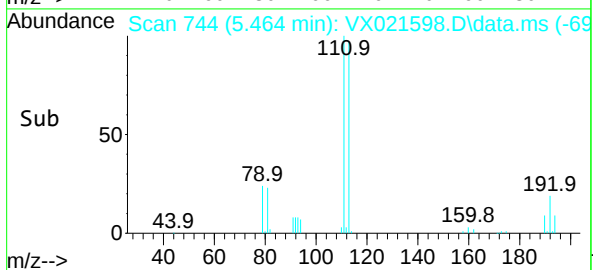
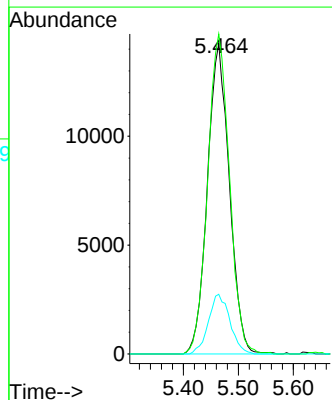
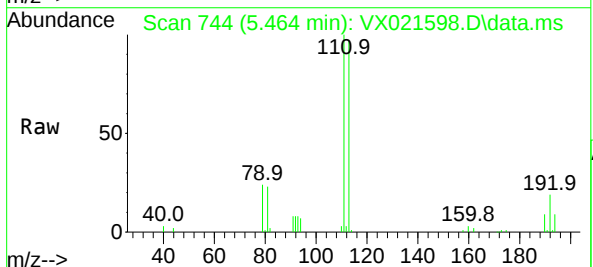
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

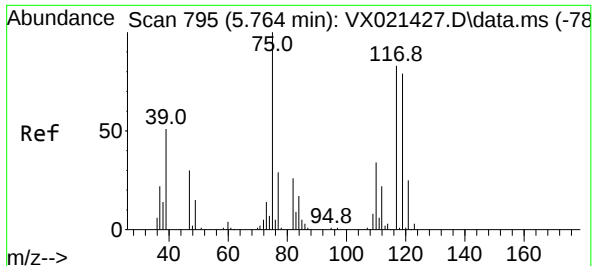
Tgt Ion:114 Resp: 109033
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.04 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion:113 Resp: 39531
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 18.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.10 ug/l

RT: 5.623 min Scan# 771

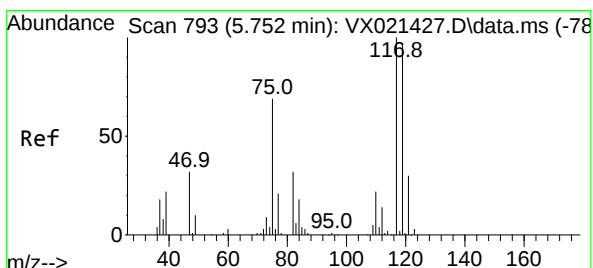
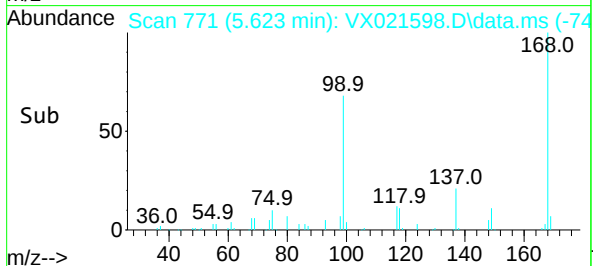
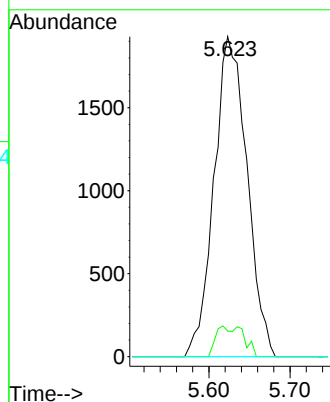
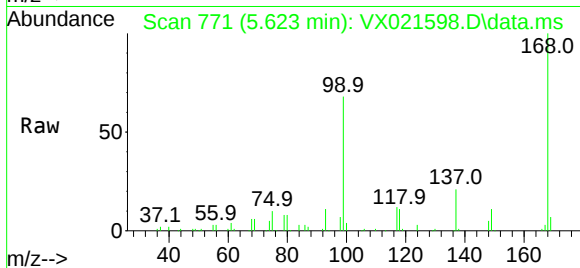
Delta R.T. -0.141 min

Lab File: VX021598.D

Acq: 30 Mar 2021 00:17

Tgt Ion:	75	Resp:	5448
Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324



#38

Carbon Tetrachloride

Concen: 5.73 ug/l

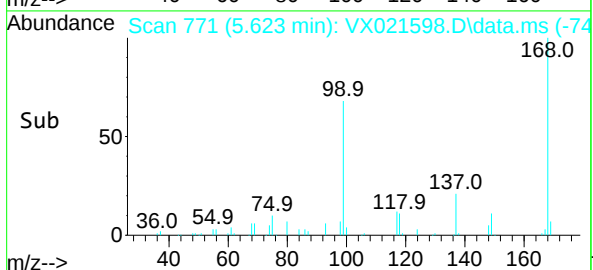
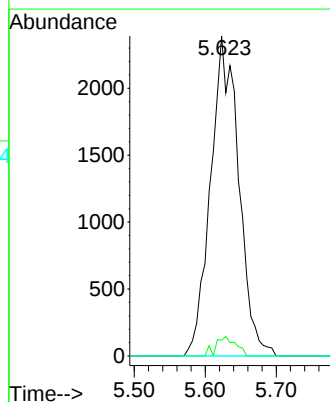
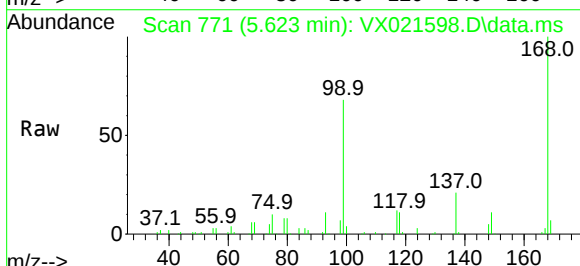
RT: 5.623 min Scan# 771

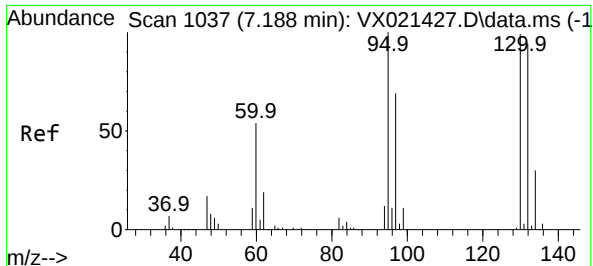
Delta R.T. -0.129 min

Lab File: VX021598.D

Acq: 30 Mar 2021 00:17

Tgt Ion:	117	Resp:	6582
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	24.8	37.2#

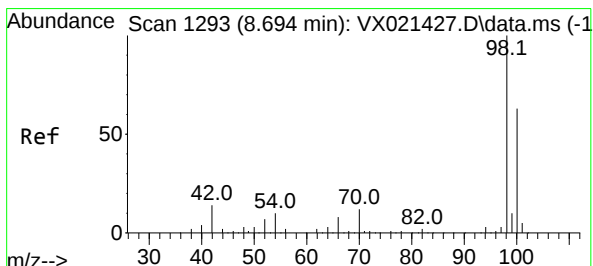
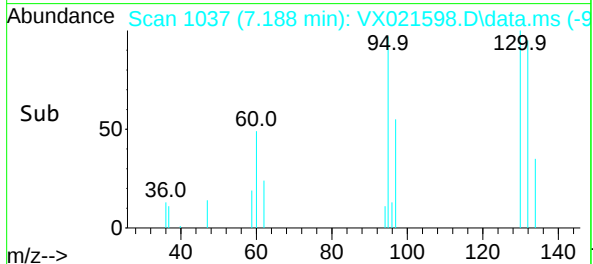
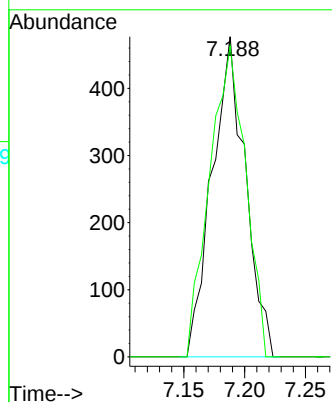
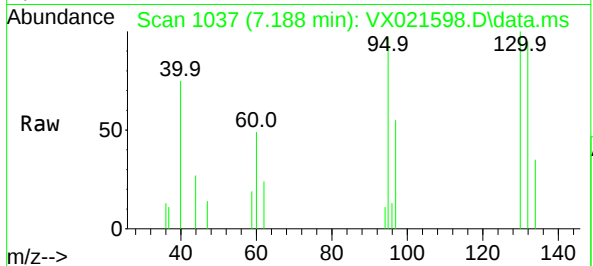




#44
Trichloroethene
Concen: 1.13 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

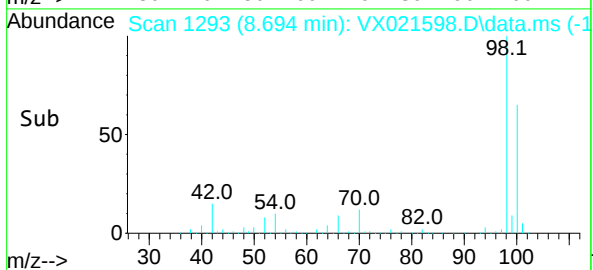
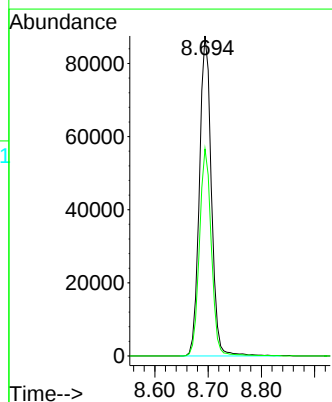
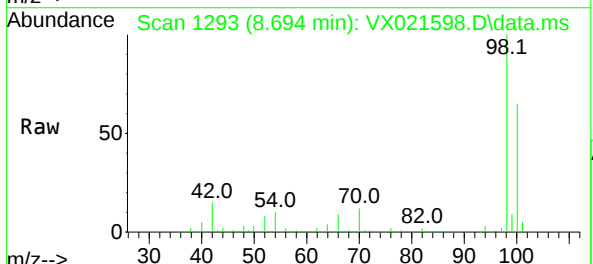
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

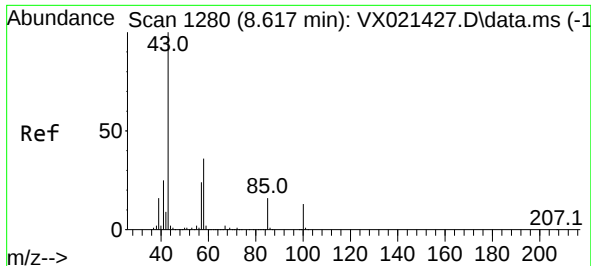
Tgt Ion:130 Resp: 906
Ion Ratio Lower Upper
130 100
95 97.1 0.0 198.0



#50
Toluene-d8
Concen: 49.40 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 98 Resp: 136335
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

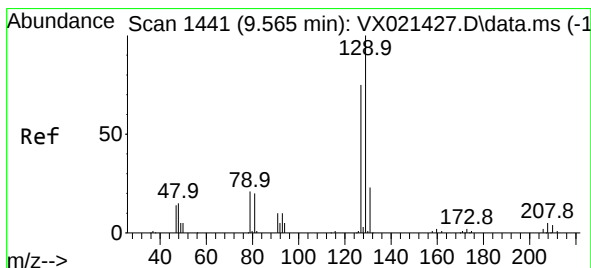
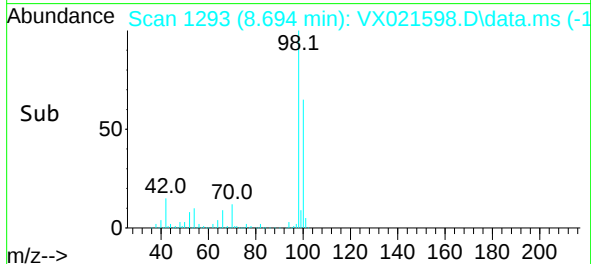
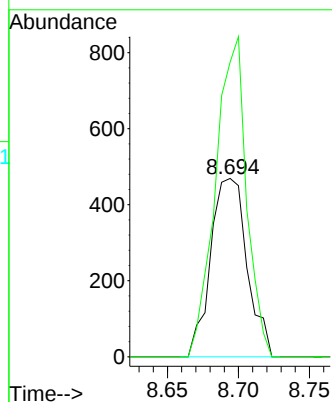
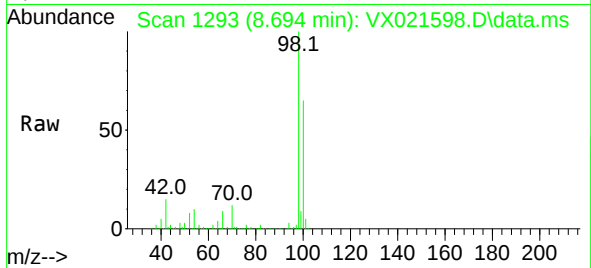




#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

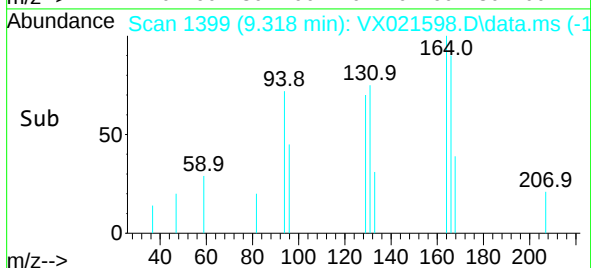
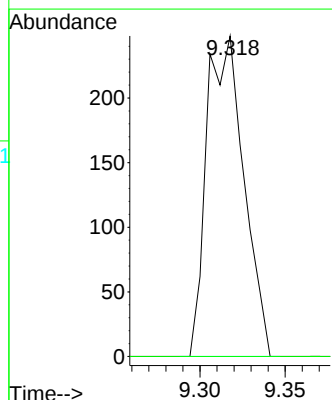
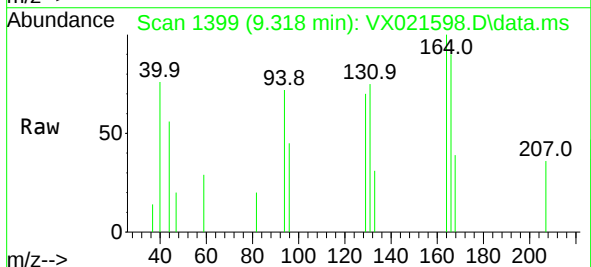
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

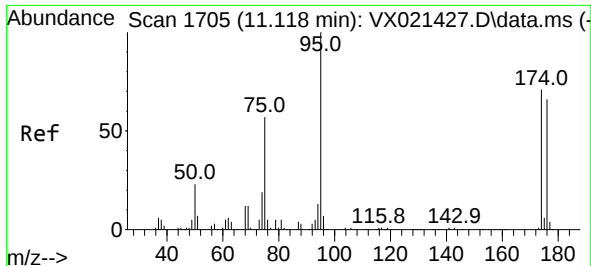
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 152.5 35.4 53.0#



#60
Dibromochloromethane
Concen: 0.42 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 129 Resp: 376
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

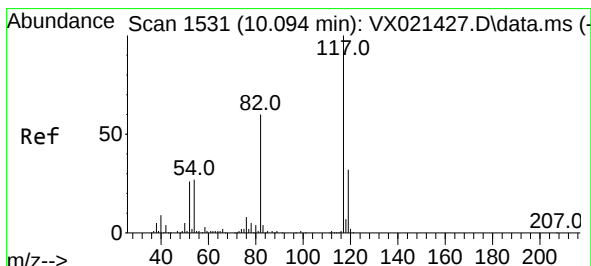
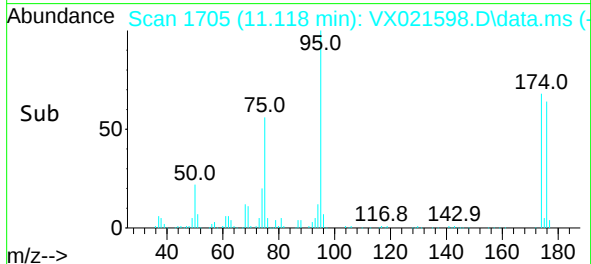
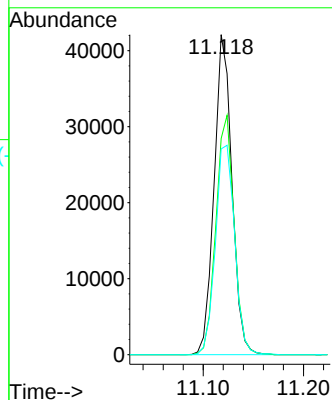
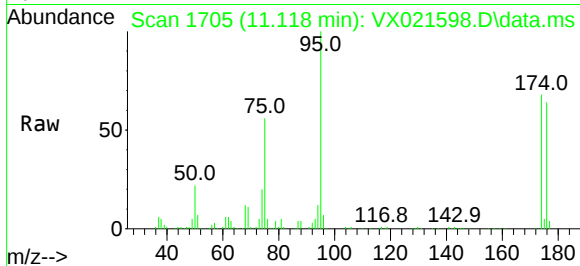




#62
4-Bromofluorobenzene
Concen: 48.35 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

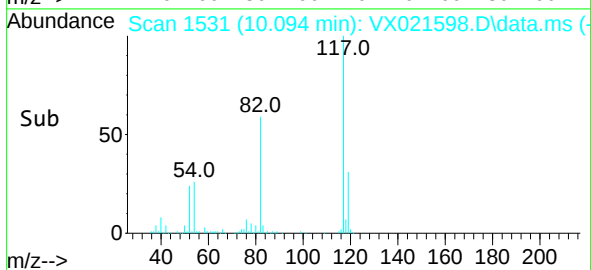
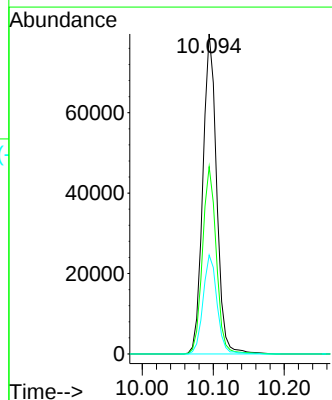
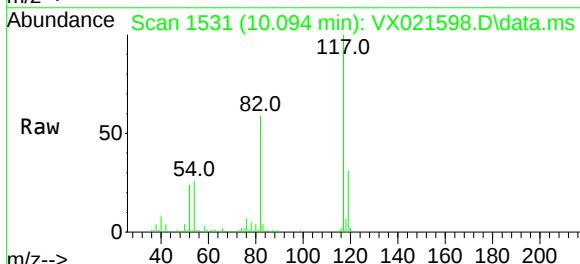
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

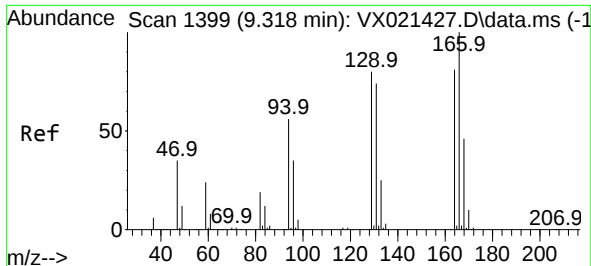
Tgt Ion:	95	Resp:	51880
Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	154.6
176	70.9	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion:	117	Resp:	107842
Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.2
119	30.9	26.6	39.8

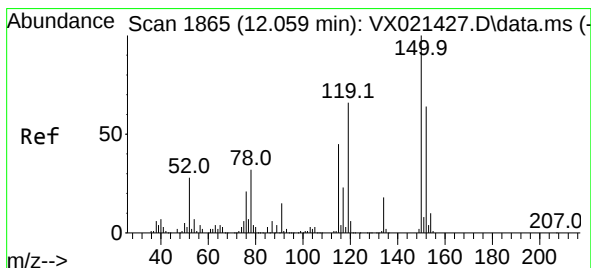
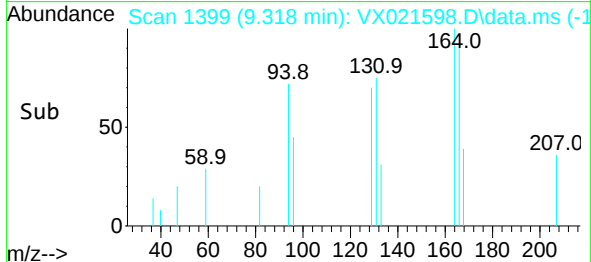
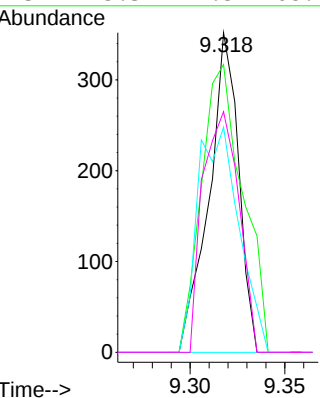
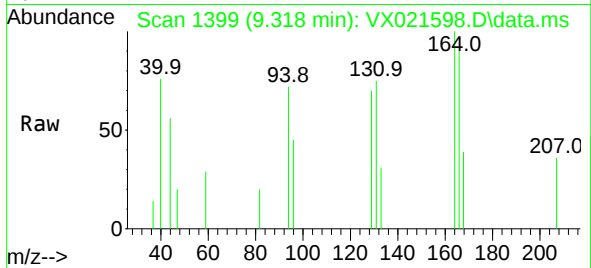




#64
Tetrachloroethene
Concen: 0.53 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

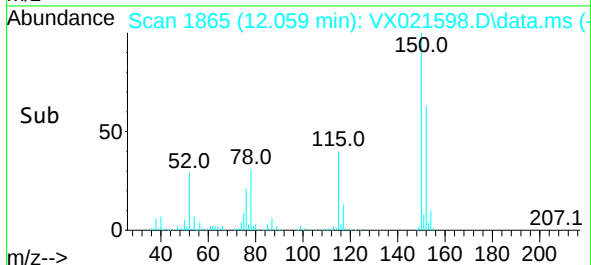
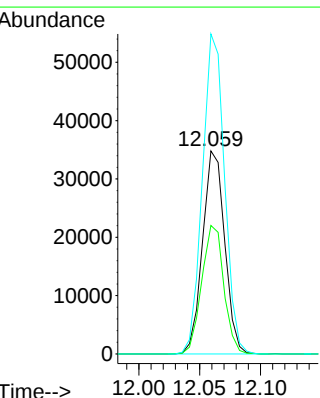
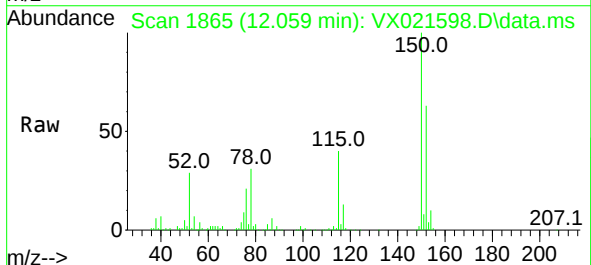
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

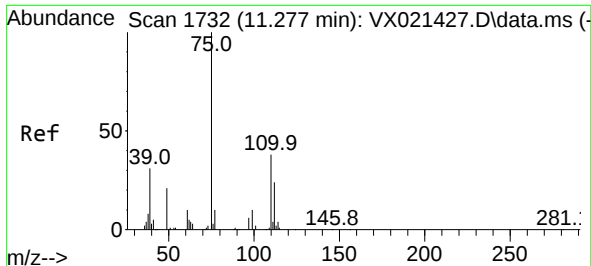
Tgt Ion:164	Resp:	382
Ion	Ratio	Lower Upper
164	100	
166	90.1	103.4 155.2#
129	70.5	70.8 106.2#
131	75.3	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion:152	Resp:	44026
Ion	Ratio	Lower Upper
152	100	
115	63.2	41.1 123.3
150	157.4	0.0 349.0

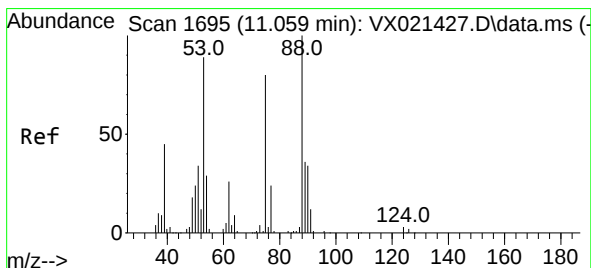
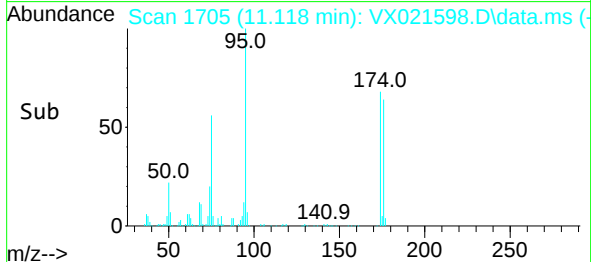
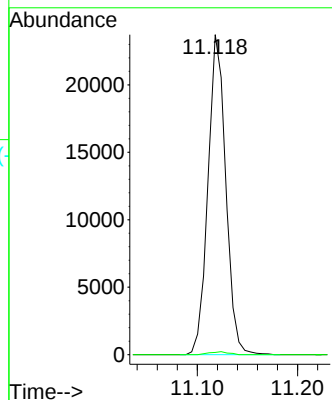
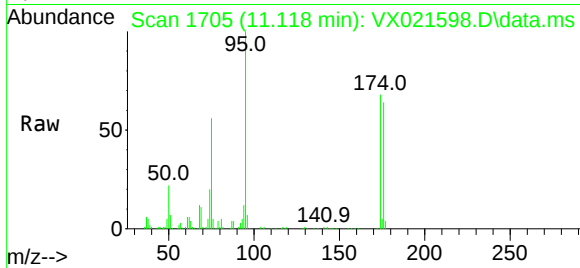




#76
1,2,3-Trichloropropane
Concen: 28.52 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20210324

Tgt Ion: 75 Resp: 29227
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.86 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021598.D
Acq: 30 Mar 2021 00:17

Tgt Ion: 75 Resp: 29227
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

