

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021556.D
 Acq On : 27 Mar 2021 02:19
 Operator : JC/MD
 Sample : M1787-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20210320

Quant Time: Mar 27 04:36:03 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)

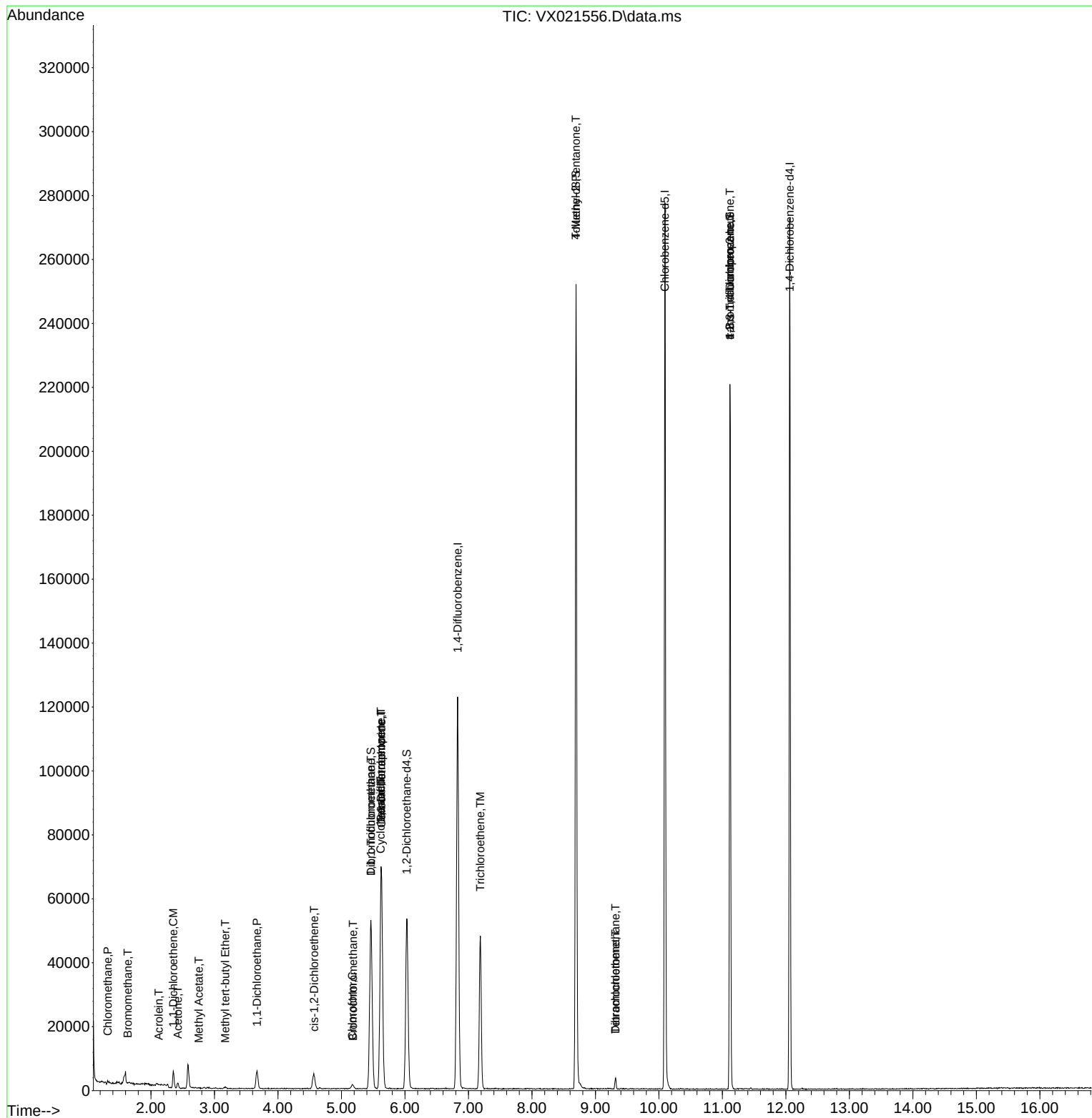
Internal Standards						
1) Pentafluorobenzene	5.623	168	60125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	112165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49385	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	53530	53.51	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 107.02%		
35) Dibromofluoromethane	5.464	113	40466	50.79	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 101.58%		
50) Toluene-d8	8.694	98	141163	49.72	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 99.44%		
62) 4-Bromofluorobenzene	11.118	95	56214	50.93	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 101.86%		
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1312	1.77	ug/l #	85
5) Bromomethane	1.634	94	109	0.40	ug/l #	2
12) 1,1-Dichloroethene	2.352	96	1585	2.62	ug/l	83
13) Acrolein	2.123	56	20	4.53	ug/l #	1
16) Acetone	2.423	43	1643	4.34	ug/l	93
18) Methyl Acetate	2.752	43	307	0.28	ug/l #	47
19) Methyl tert-butyl Ether	3.170	73	464	0.21	ug/l	98
24) 1,1-Dichloroethane	3.670	63	6132	4.76	ug/l	97
27) cis-1,2-Dichloroethene	4.570	96	2838	3.67	ug/l	94
28) Bromochloromethane	5.182	49	146	0.23	ug/l #	9
30) Chloroform	5.170	83	1429	1.05	ug/l #	79
31) Cyclohexane	5.617	56	1698	1.54	ug/l #	44
32) 1,1,1-Trichloroethane	5.464	97	2511	2.08	ug/l	95
36) 1,1-Dichloropropene	5.623	75	5566	5.06	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6828	5.78	ug/l #	16
44) Trichloroethene	7.188	130	16629	20.19	ug/l	94
51) 4-Methyl-2-Pentanone	8.694	43	962	0.76	ug/l #	1
60) Dibromochloromethane	9.318	129	617	0.68	ug/l #	11
64) Tetrachloroethene	9.318	164	569	0.75	ug/l	89
76) 1,2,3-Trichloropropane	11.118	75	31700	27.57	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31700	83.99	ug/l #	12

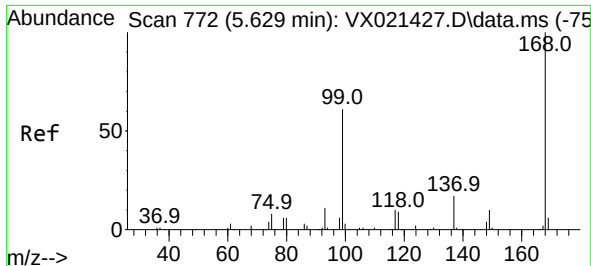
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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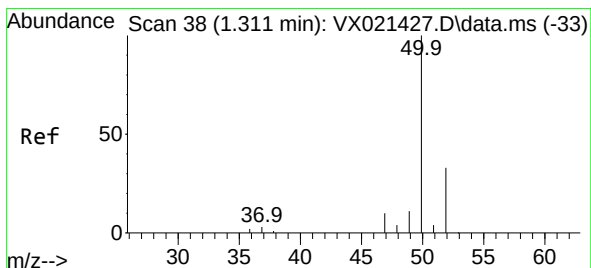
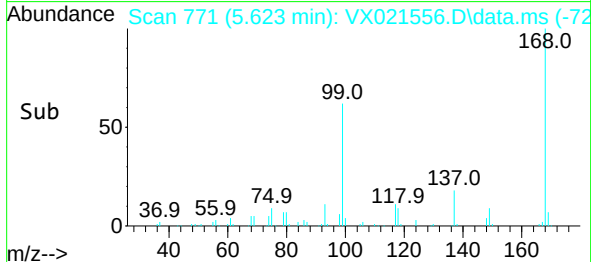
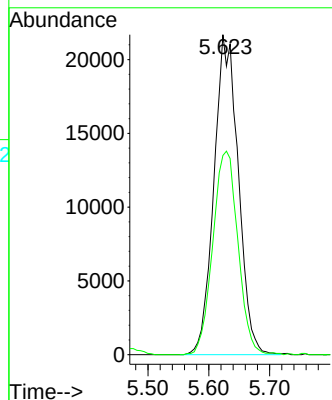
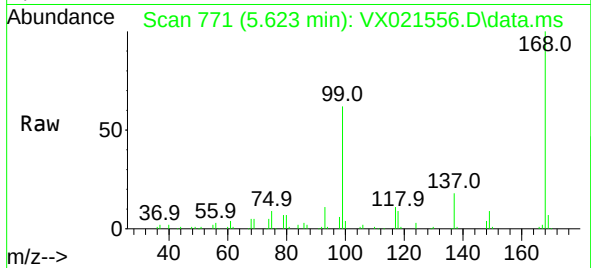




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

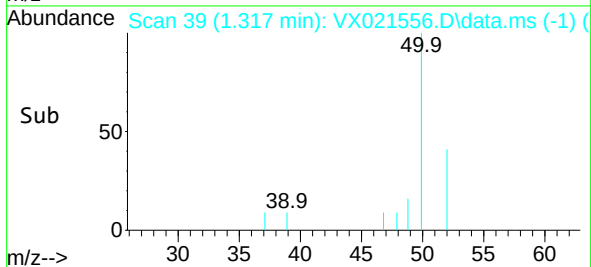
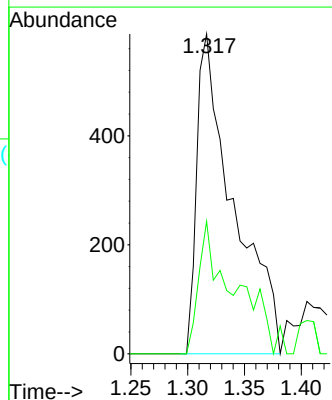
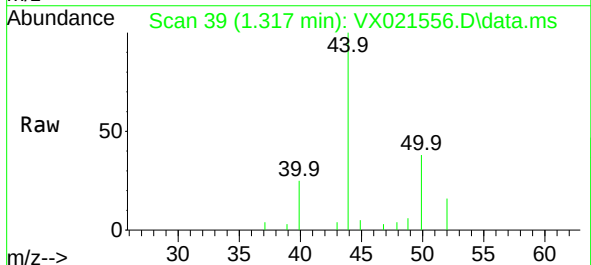
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20210320

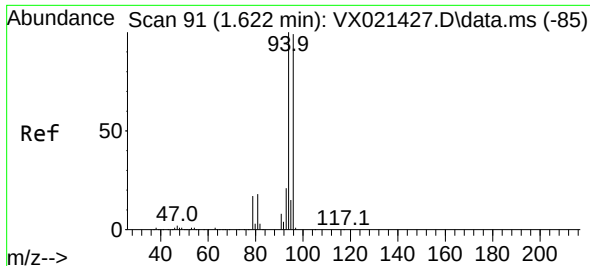
Tgt Ion:168 Resp: 60125
Ion Ratio Lower Upper
168 100
99 62.3 45.8 68.6



#3
Chloromethane
Concen: 1.77 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion: 50 Resp: 1312
Ion Ratio Lower Upper
50 100
52 41.4 26.4 39.6#

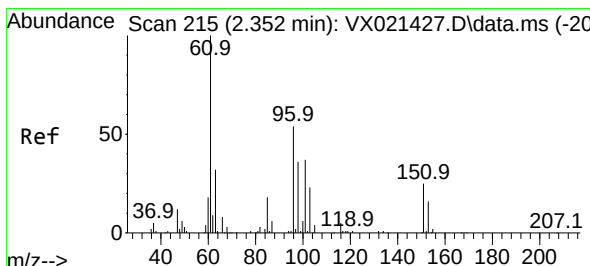
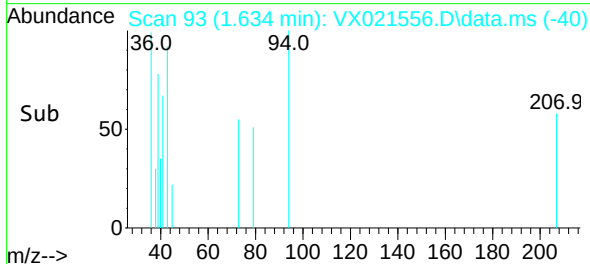
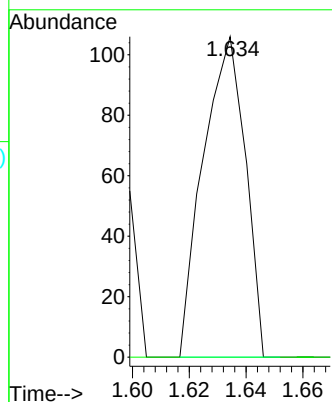
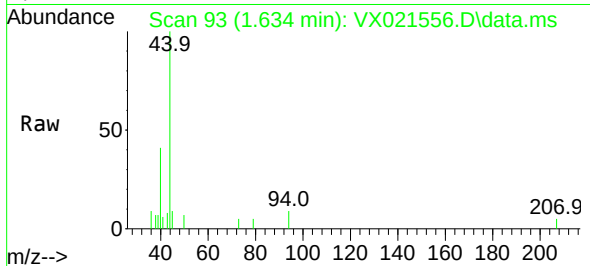




#5
Bromomethane
Concen: 0.40 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

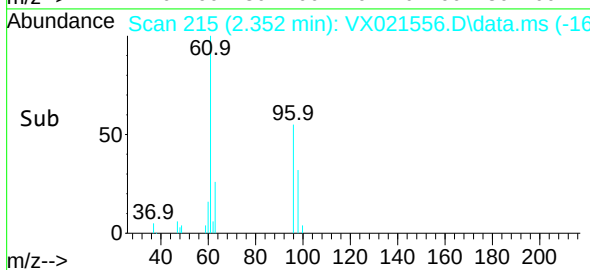
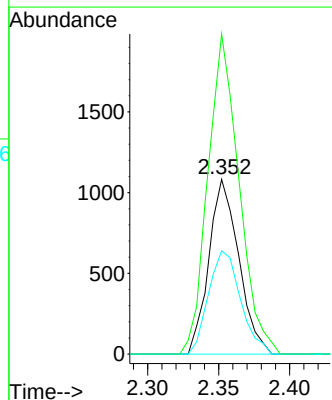
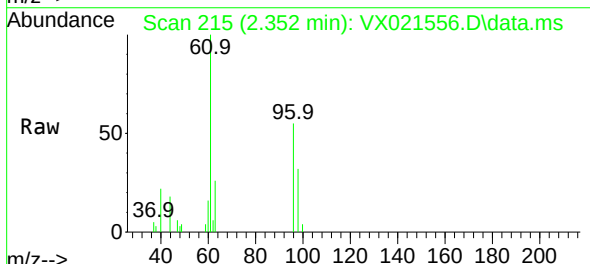
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20210320

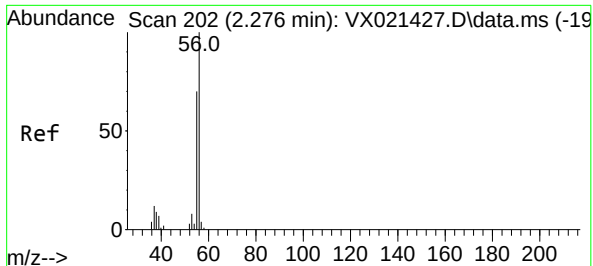
Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#12
1,1-Dichloroethene
Concen: 2.62 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion: 96 Resp: 1585
Ion Ratio Lower Upper
96 100
61 183.3 124.6 187.0
98 59.1 50.6 76.0

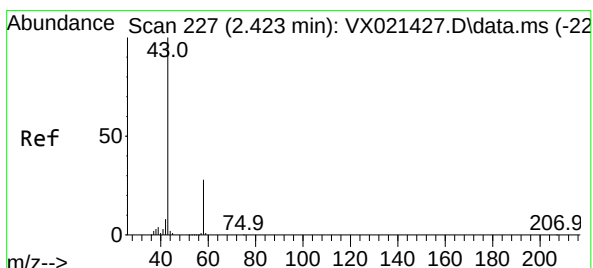
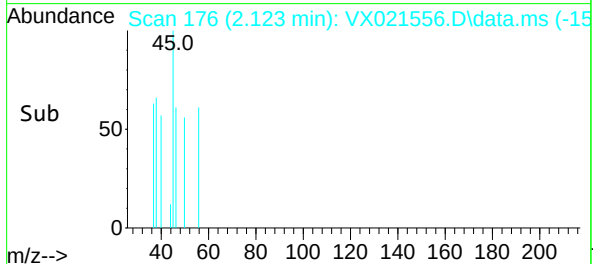
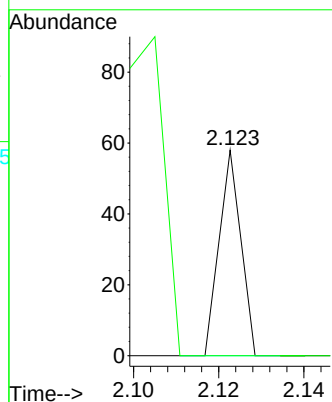
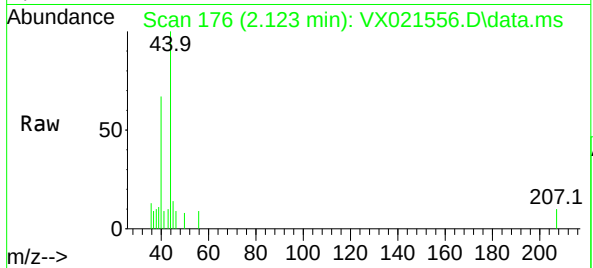




#13
Acrolein
Concen: 4.53 ug/l
RT: 2.123 min Scan# 176
Delta R.T. -0.153 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

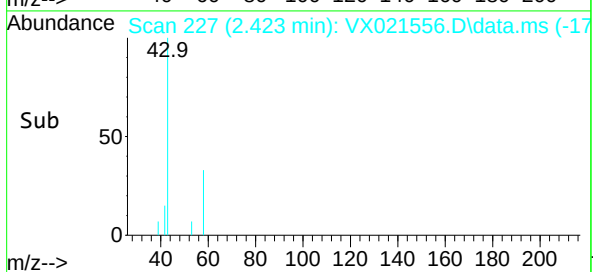
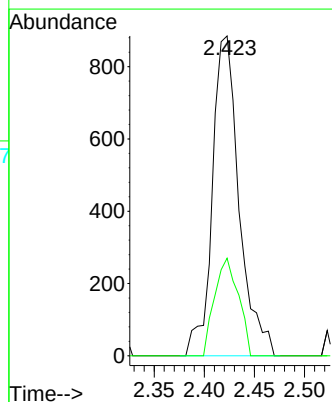
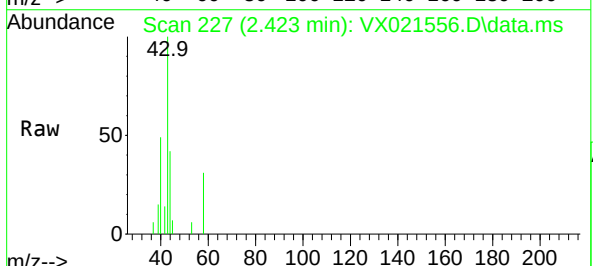
Instrument :
MSVOA_X
ClientSampleId :
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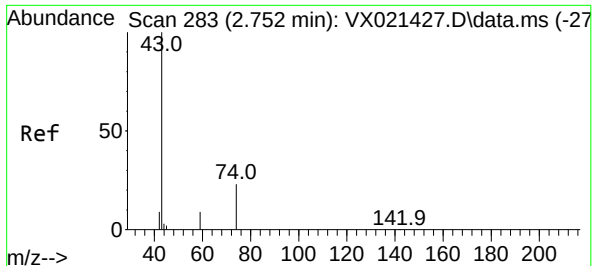
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 455.0 56.4 84.6#



#16
Acetone
Concen: 4.34 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
58 30.5 27.8 41.8





#18

Methyl Acetate

Concen: 0.28 ug/l

RT: 2.752 min Scan# 283

Delta R.T. 0.000 min

Lab File: VX021556.D

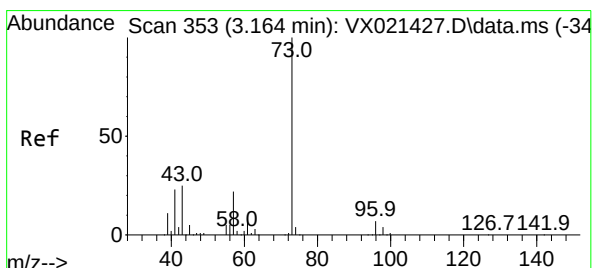
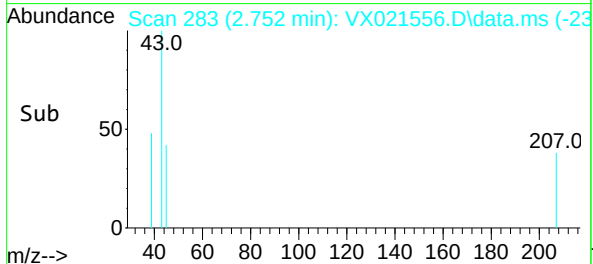
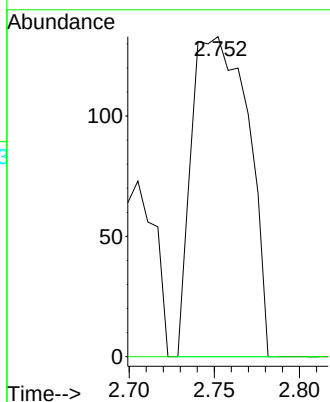
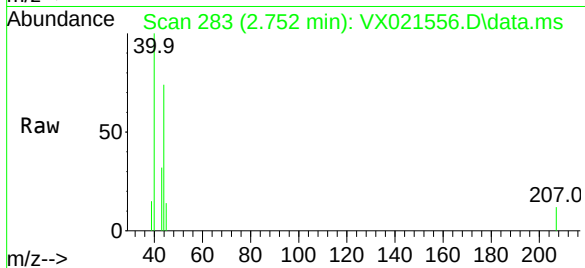
Acq: 27 Mar 2021 02:19

Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.21 ug/l

RT: 3.170 min Scan# 354

Delta R.T. 0.006 min

Lab File: VX021556.D

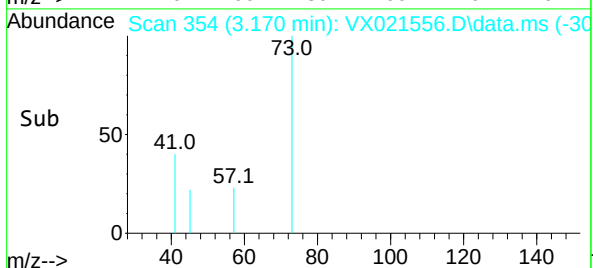
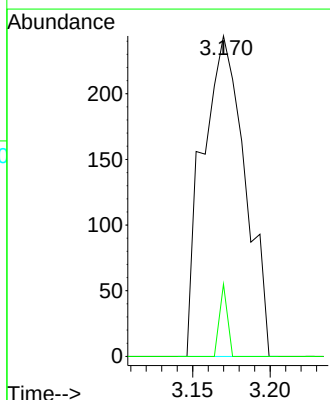
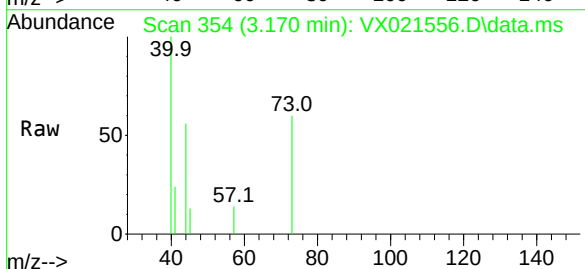
Acq: 27 Mar 2021 02:19

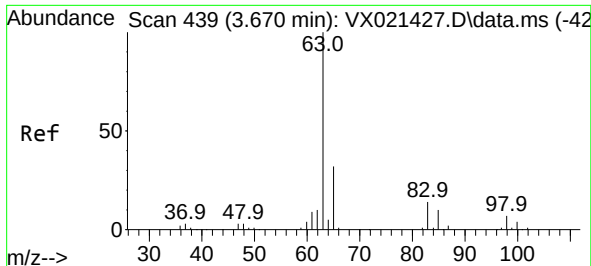
Tgt Ion: 73 Resp: 464

Ion Ratio Lower Upper

73 100

57 22.5 17.1 25.7

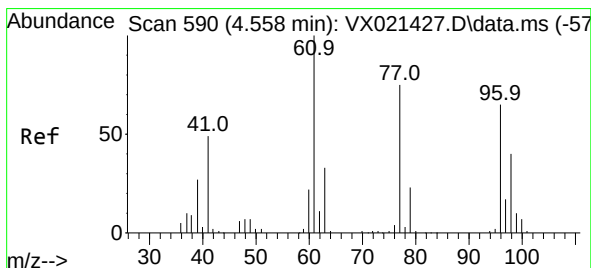
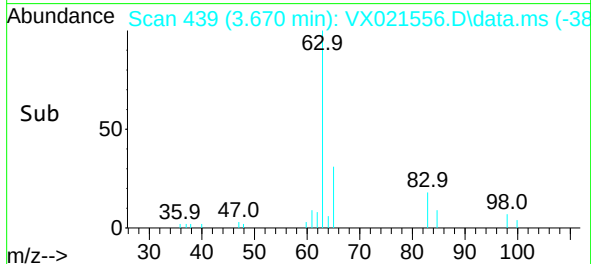
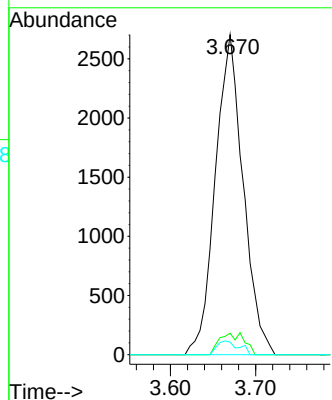
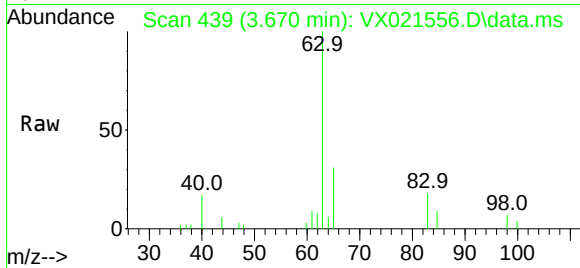




#24
1,1-Dichloroethane
Concen: 4.76 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

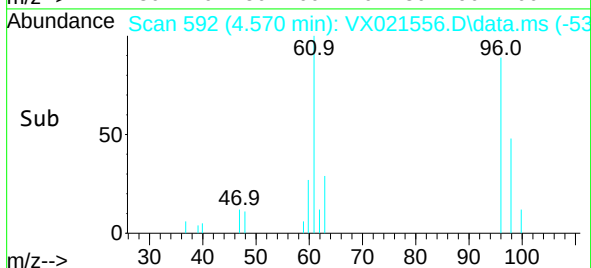
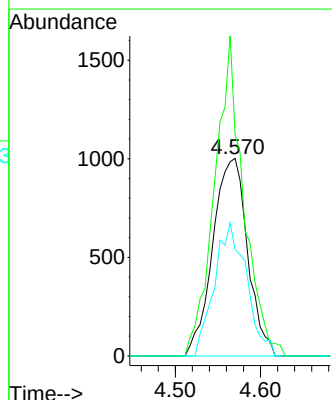
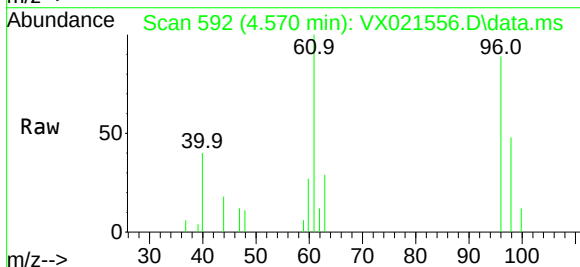
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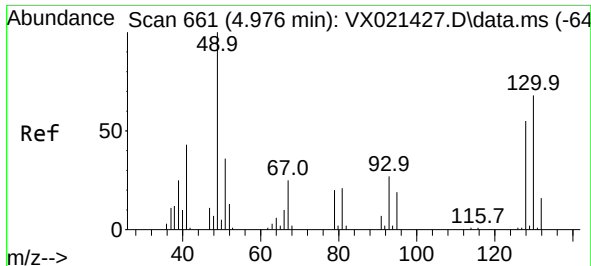
Tgt Ion: 63 Resp: 6132
Ion Ratio Lower Upper
63 100
98 6.7 3.8 11.2
100 4.0 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 3.67 ug/l
RT: 4.570 min Scan# 592
Delta R.T. 0.012 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion: 96 Resp: 2838
Ion Ratio Lower Upper
96 100
61 134.4 0.0 285.6
98 62.2 0.0 129.6

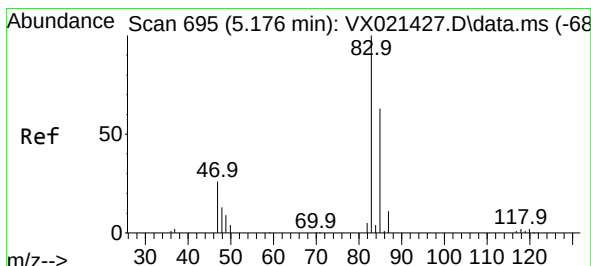
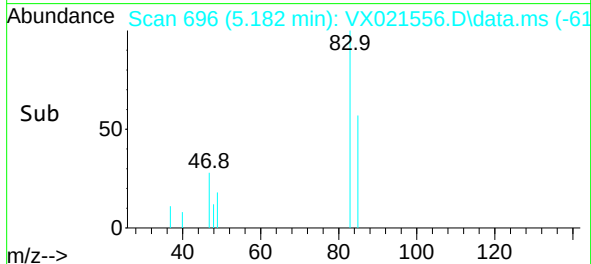
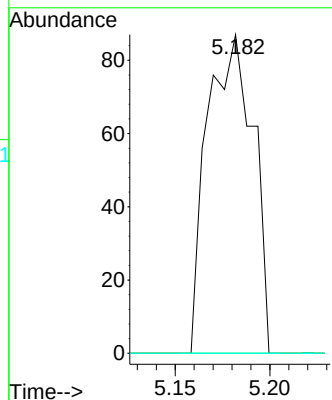
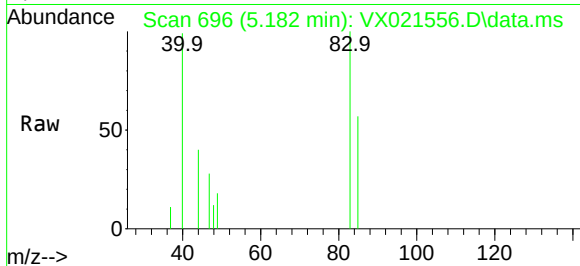




#28
Bromochloromethane
Concen: 0.23 ug/l
RT: 5.182 min Scan# 696
Delta R.T. 0.206 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

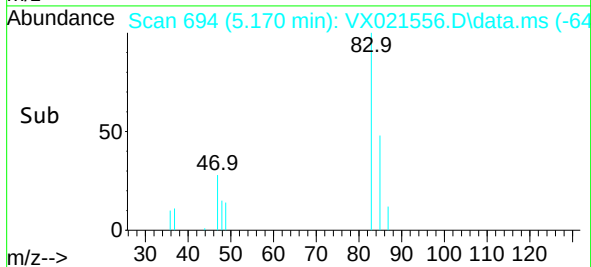
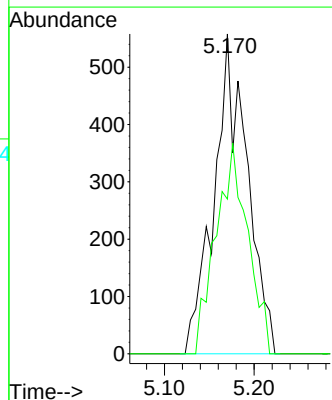
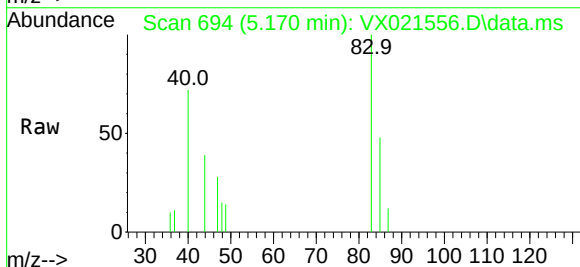
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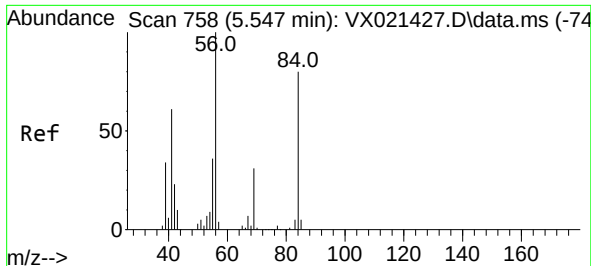
Tgt Ion: 49 Resp: 146
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 1.05 ug/l
RT: 5.170 min Scan# 694
Delta R.T. -0.006 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

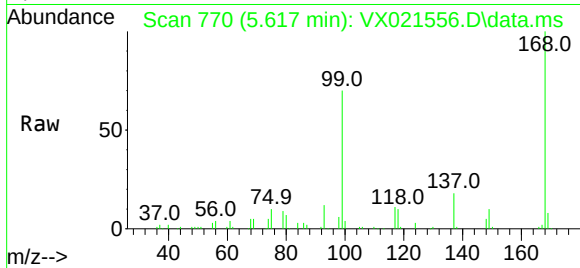
Tgt Ion: 83 Resp: 1429
Ion Ratio Lower Upper
83 100
85 48.4 52.0 78.0#



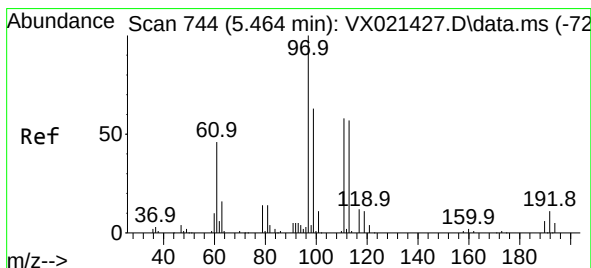
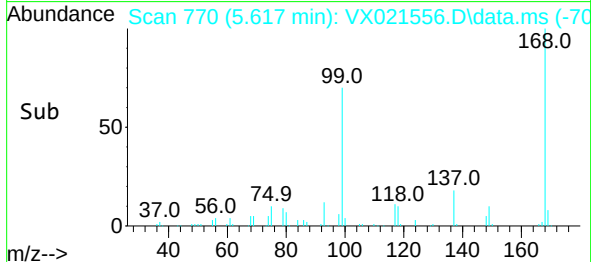
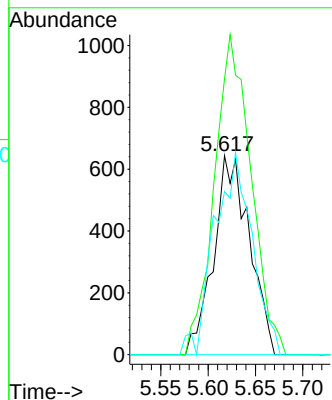


#31
Cyclohexane
Concen: 1.54 ug/l
RT: 5.617 min Scan# 770
Delta R.T. 0.070 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Instrument :
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ClientSampleId :
MW203D-20210320

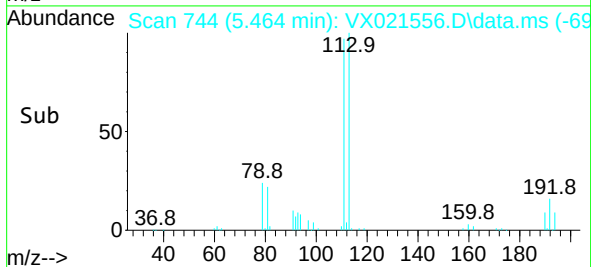
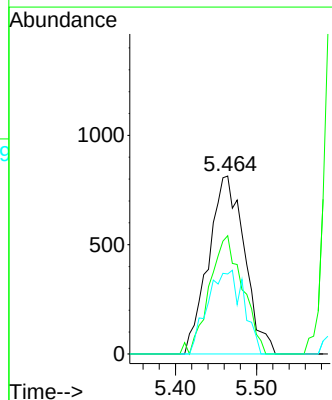
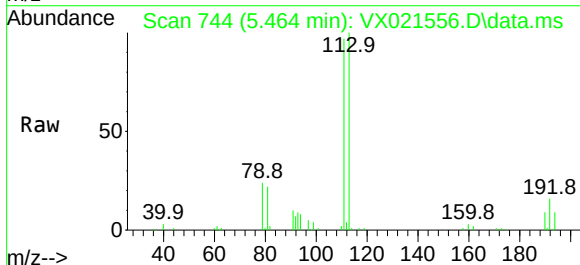


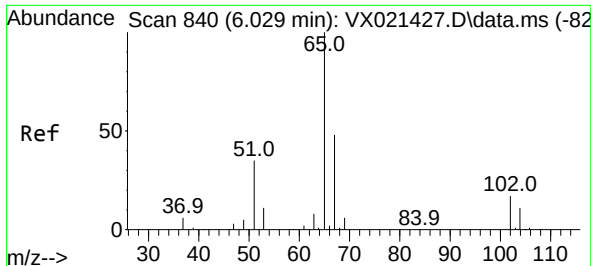
Tgt Ion: 56 Resp: 1698
Ion Ratio Lower Upper
56 100
69 138.5 25.3 37.9#
84 82.0 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 2.08 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion: 97 Resp: 2511
Ion Ratio Lower Upper
97 100
99 61.2 51.5 77.3
61 47.0 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 53.51 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021556.D

Acq: 27 Mar 2021 02:19

Tgt Ion: 65 Resp: 53530

Ion Ratio Lower Upper

65 100

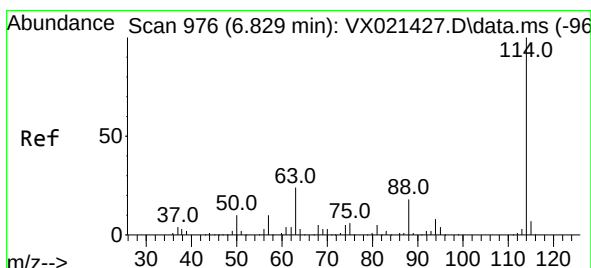
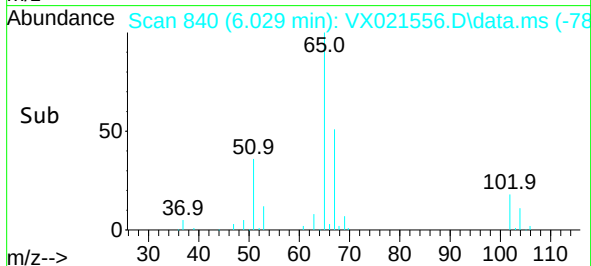
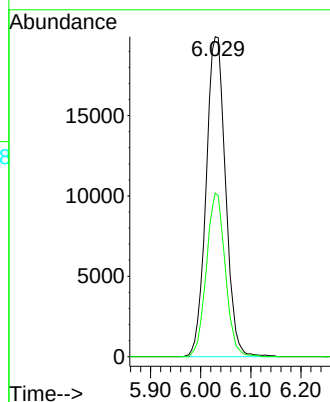
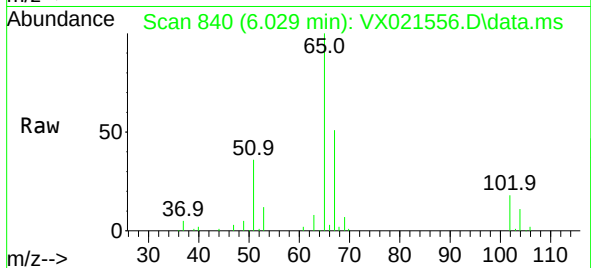
67 49.6 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

MW203D-20210320



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021556.D

Acq: 27 Mar 2021 02:19

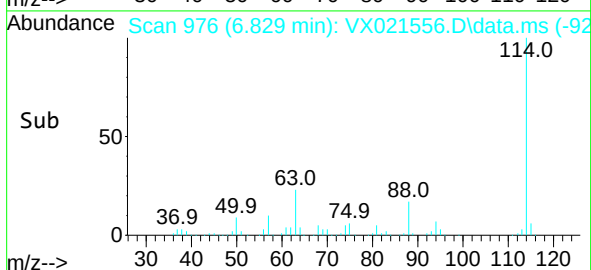
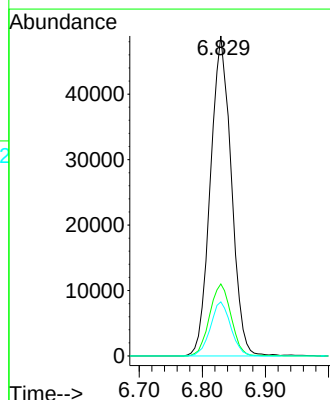
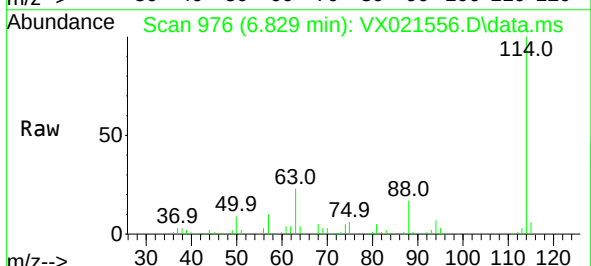
Tgt Ion: 114 Resp: 112165

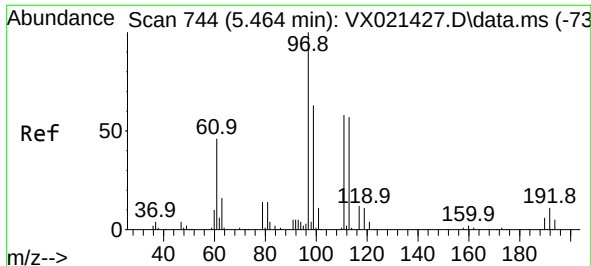
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.79 ug/l

RT: 5.464 min Scan# 744

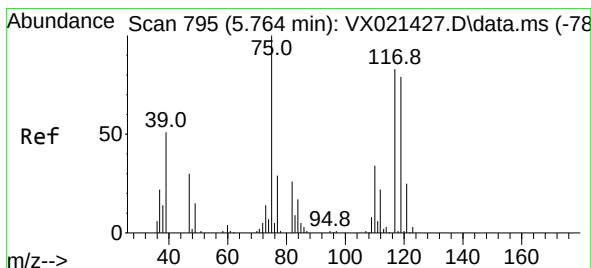
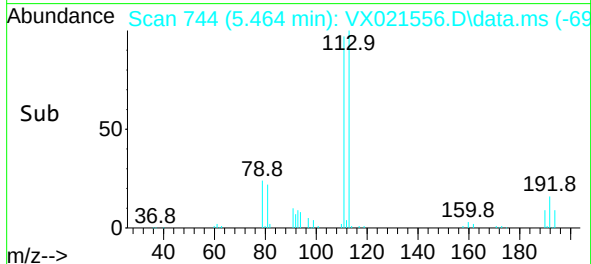
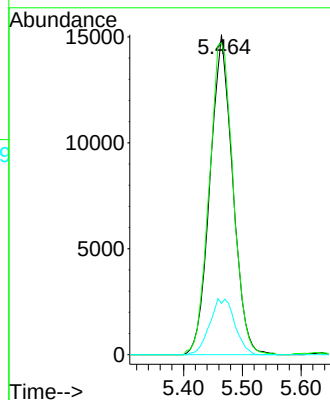
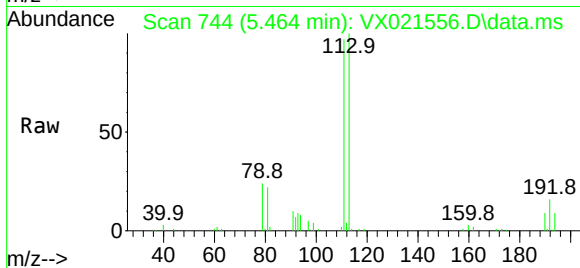
Delta R.T. 0.000 min

Lab File: VX021556.D

Acq: 27 Mar 2021 02:19

Tgt Ion:	113	Resp:	40466
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	19.3	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20210320



#36

1,1-Dichloropropene

Concen: 5.06 ug/l

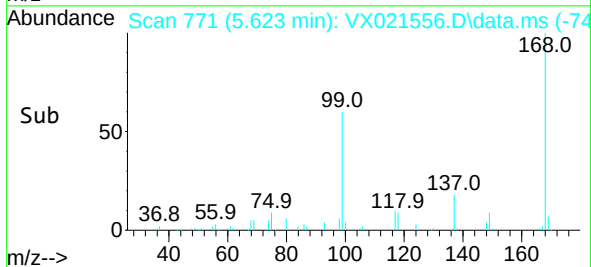
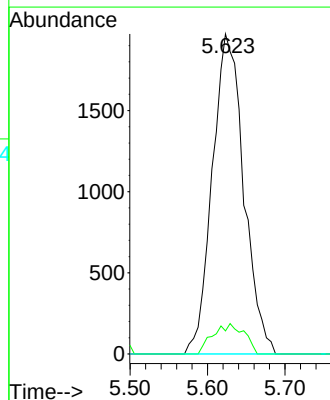
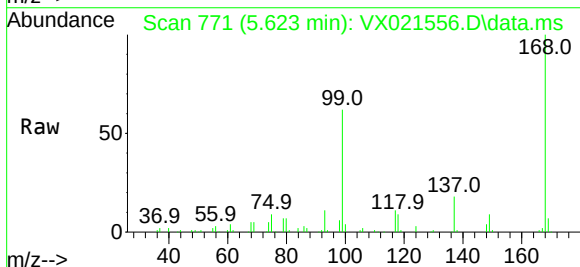
RT: 5.623 min Scan# 771

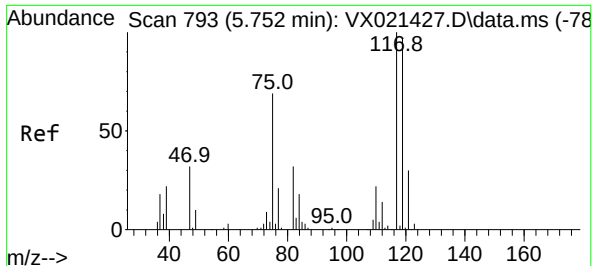
Delta R.T. -0.141 min

Lab File: VX021556.D

Acq: 27 Mar 2021 02:19

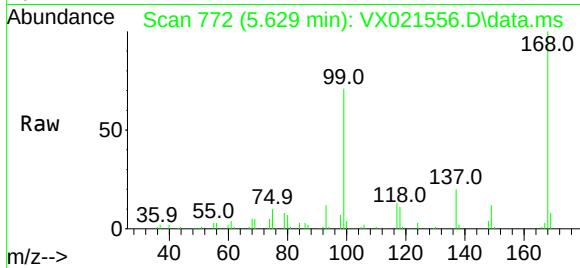
Tgt Ion:	75	Resp:	5566
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	25.3	37.9#



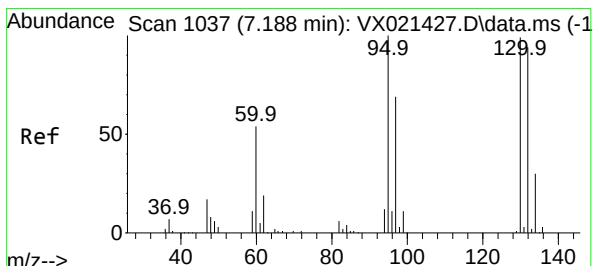
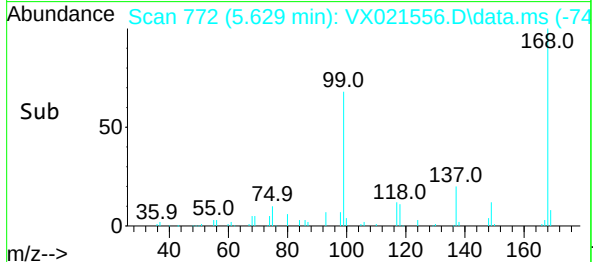
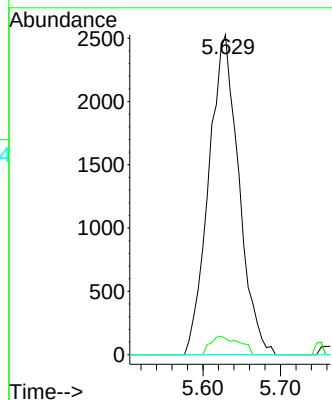


#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20210320

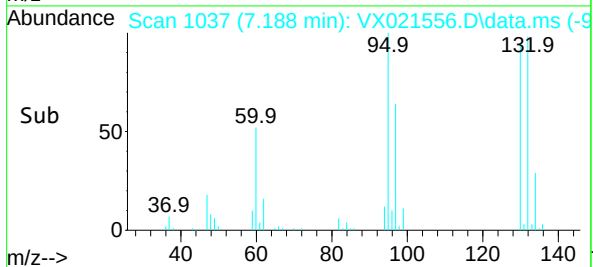
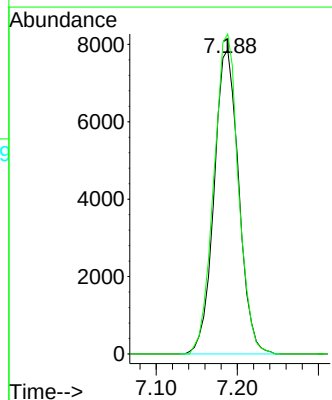
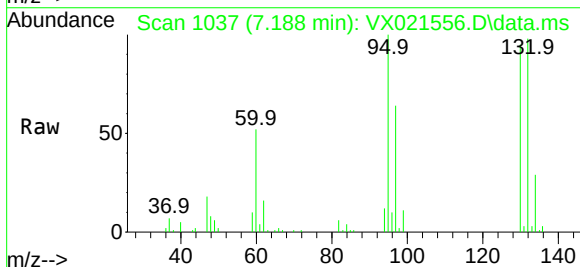


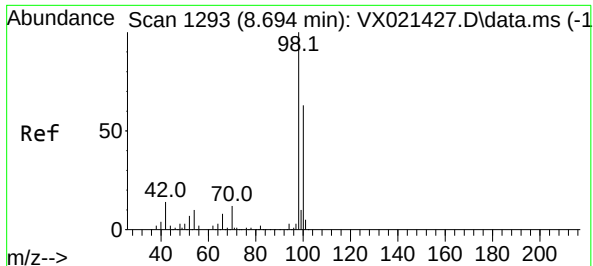
Tgt Ion:117 Resp: 6828
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 20.19 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion:130 Resp: 16629
Ion Ratio Lower Upper
130 100
95 105.2 0.0 198.0

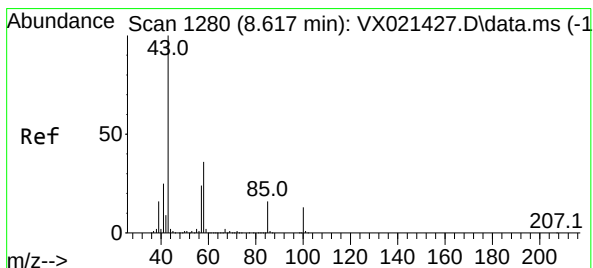
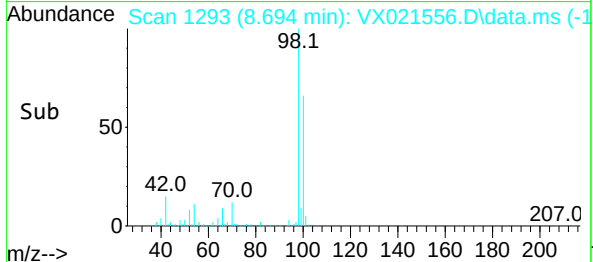
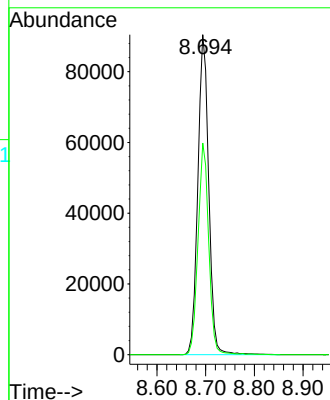
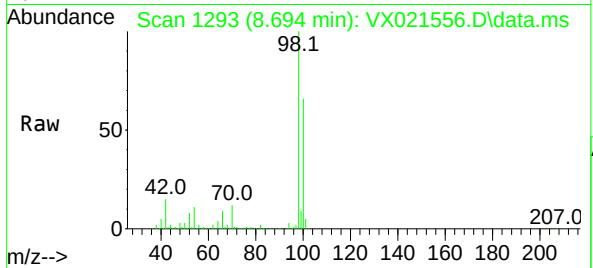




#50
Toluene-d8
Concen: 49.72 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

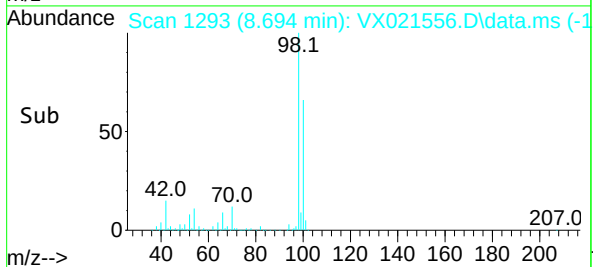
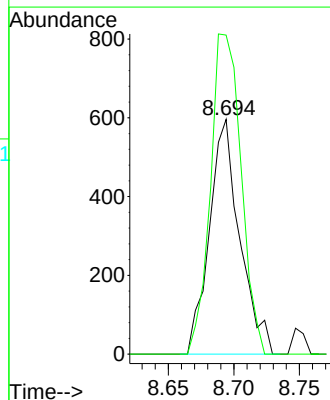
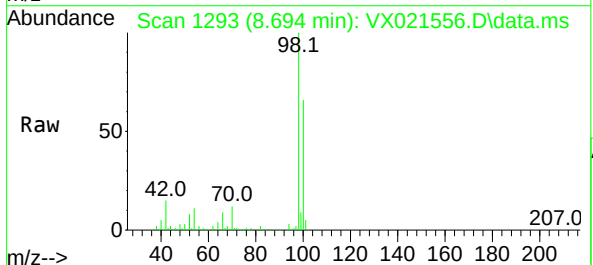
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20210320

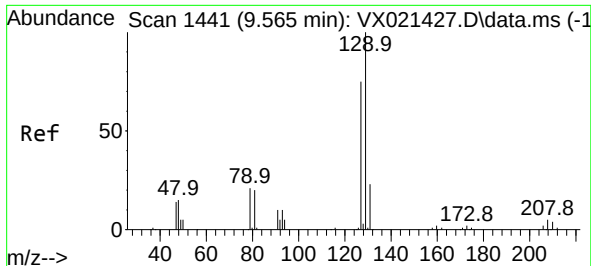
Tgt Ion: 98 Resp: 141163
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.76 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 137.5 35.4 53.0#





#60

Dibromochloromethane

Concen: 0.68 ug/l

RT: 9.318 min Scan# 1399

Delta R.T. -0.247 min

Lab File: VX021556.D

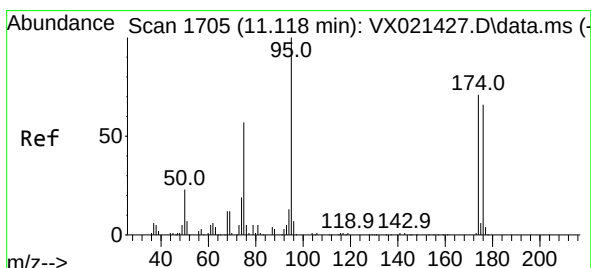
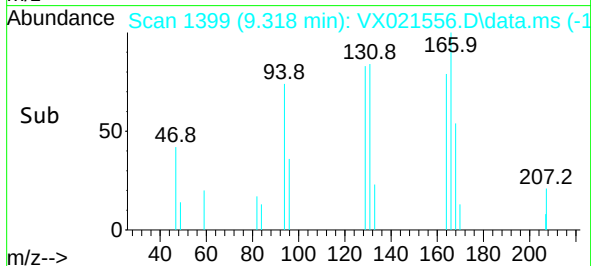
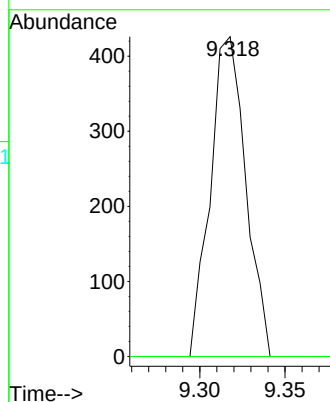
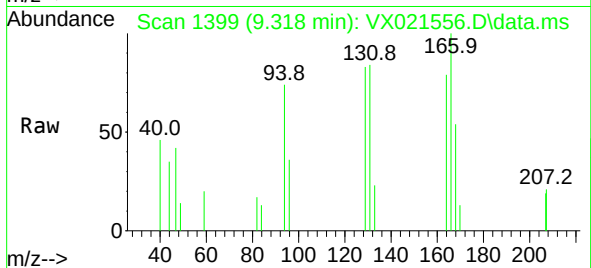
Acq: 27 Mar 2021 02:19

Tgt Ion:129 Resp: 617

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.93 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VX021556.D

Acq: 27 Mar 2021 02:19

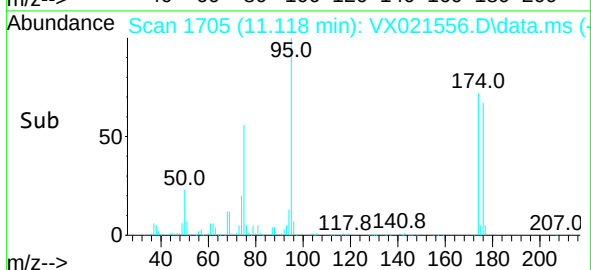
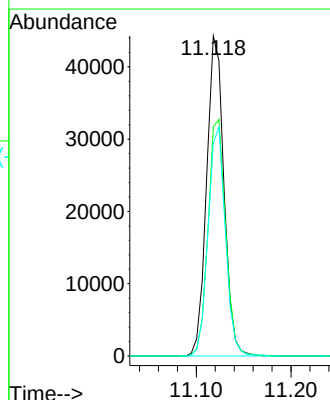
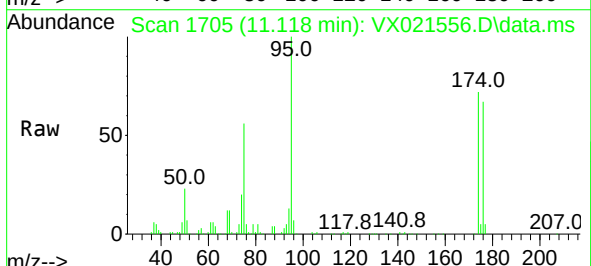
Tgt Ion: 95 Resp: 56214

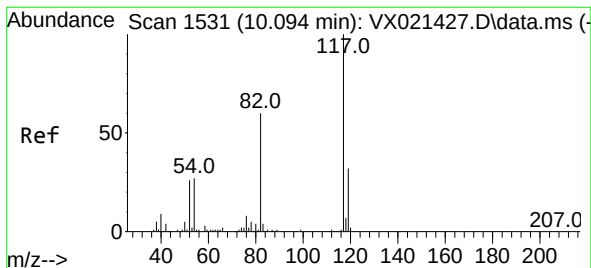
Ion Ratio Lower Upper

95 100

174 75.1 0.0 154.6

176 71.2 0.0 155.8

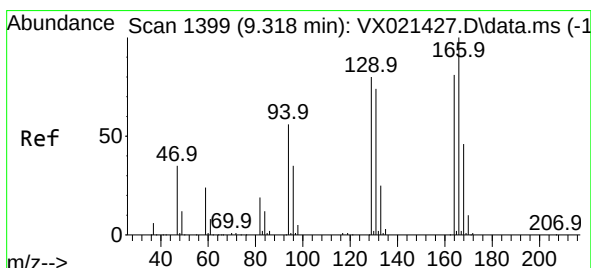
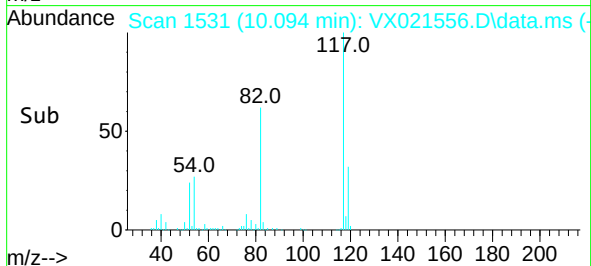
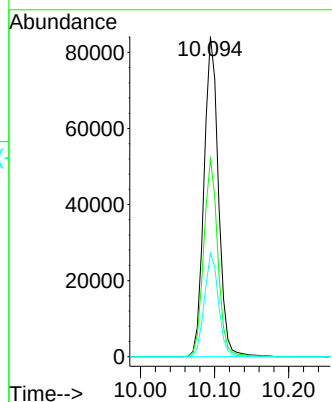
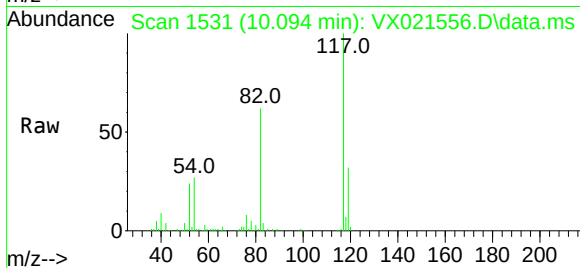




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

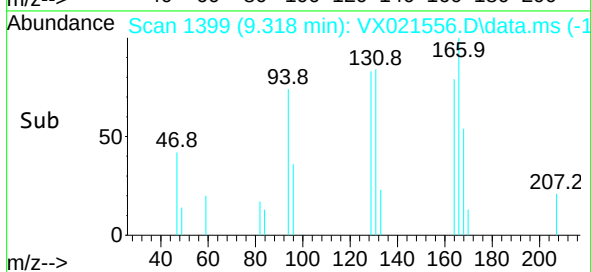
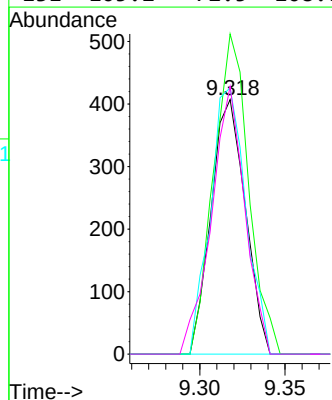
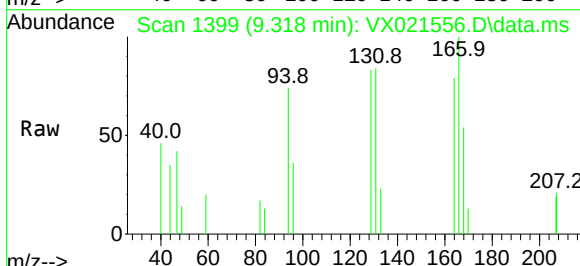
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20210320

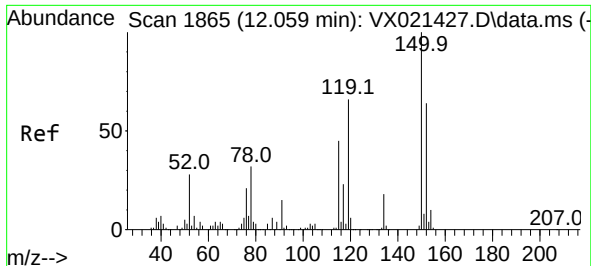
Tgt Ion:	117	Resp:	114013
Ion	Ratio	Lower	Upper
117	100		
82	61.7	47.4	71.2
119	32.2	26.6	39.8



#64
Tetrachloroethene
Concen: 0.75 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021556.D
Acq: 27 Mar 2021 02:19

Tgt Ion:	164	Resp:	569
Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.4	155.2
129	104.7	70.8	106.2
131	105.2	72.5	108.7

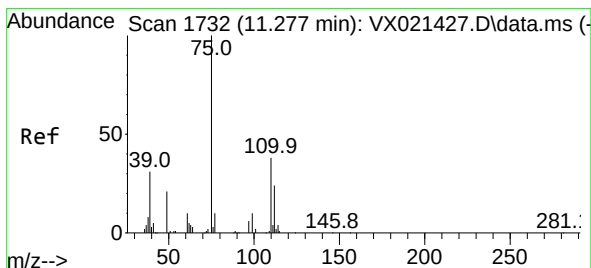
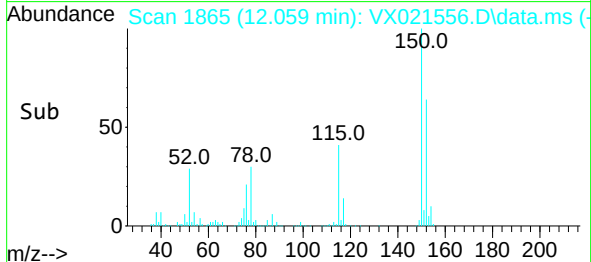
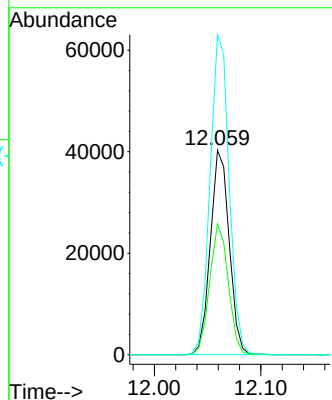
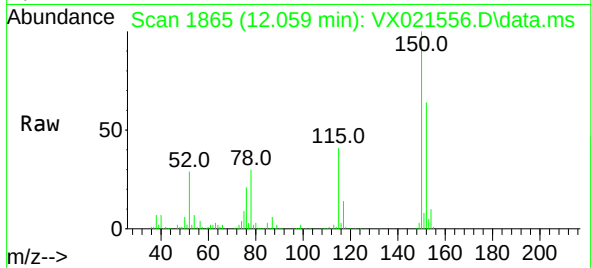




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021556.D
 Acq: 27 Mar 2021 02:19

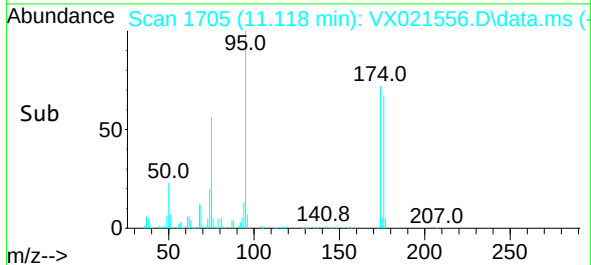
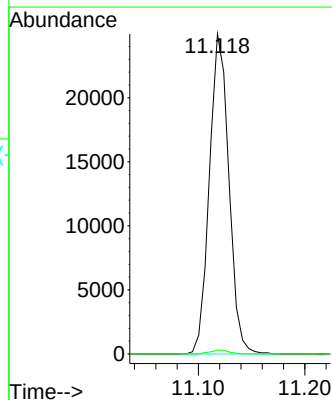
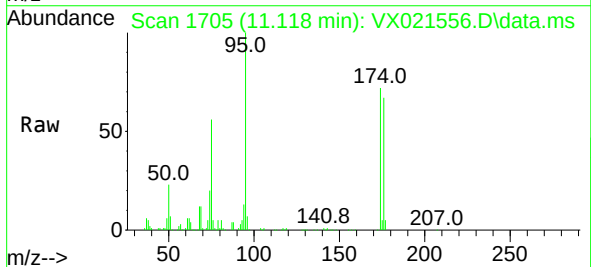
Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20210320

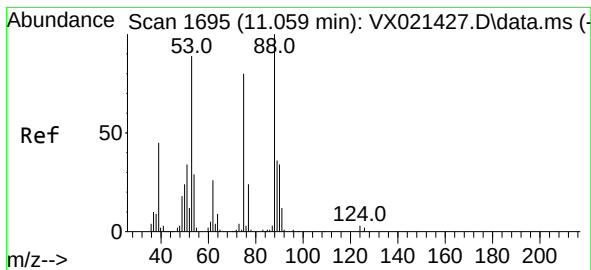
Tgt Ion:152 Resp: 49385
 Ion Ratio Lower Upper
 152 100
 115 63.1 41.1 123.3
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.57 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021556.D
 Acq: 27 Mar 2021 02:19

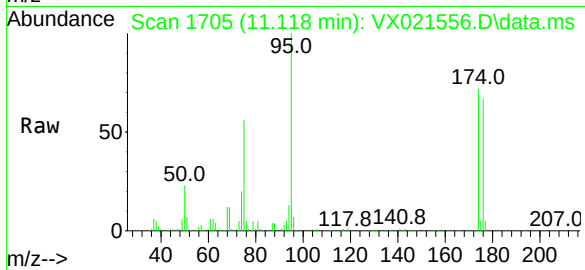
Tgt Ion: 75 Resp: 31700
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.99 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021556.D
 Acq: 27 Mar 2021 02:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20210320



Tgt Ion: 75 Resp: 31700
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

