

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021559.D
 Acq On : 27 Mar 2021 03:30
 Operator : JC/MD
 Sample : M1787-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20210320

Quant Time: Mar 27 04:36:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

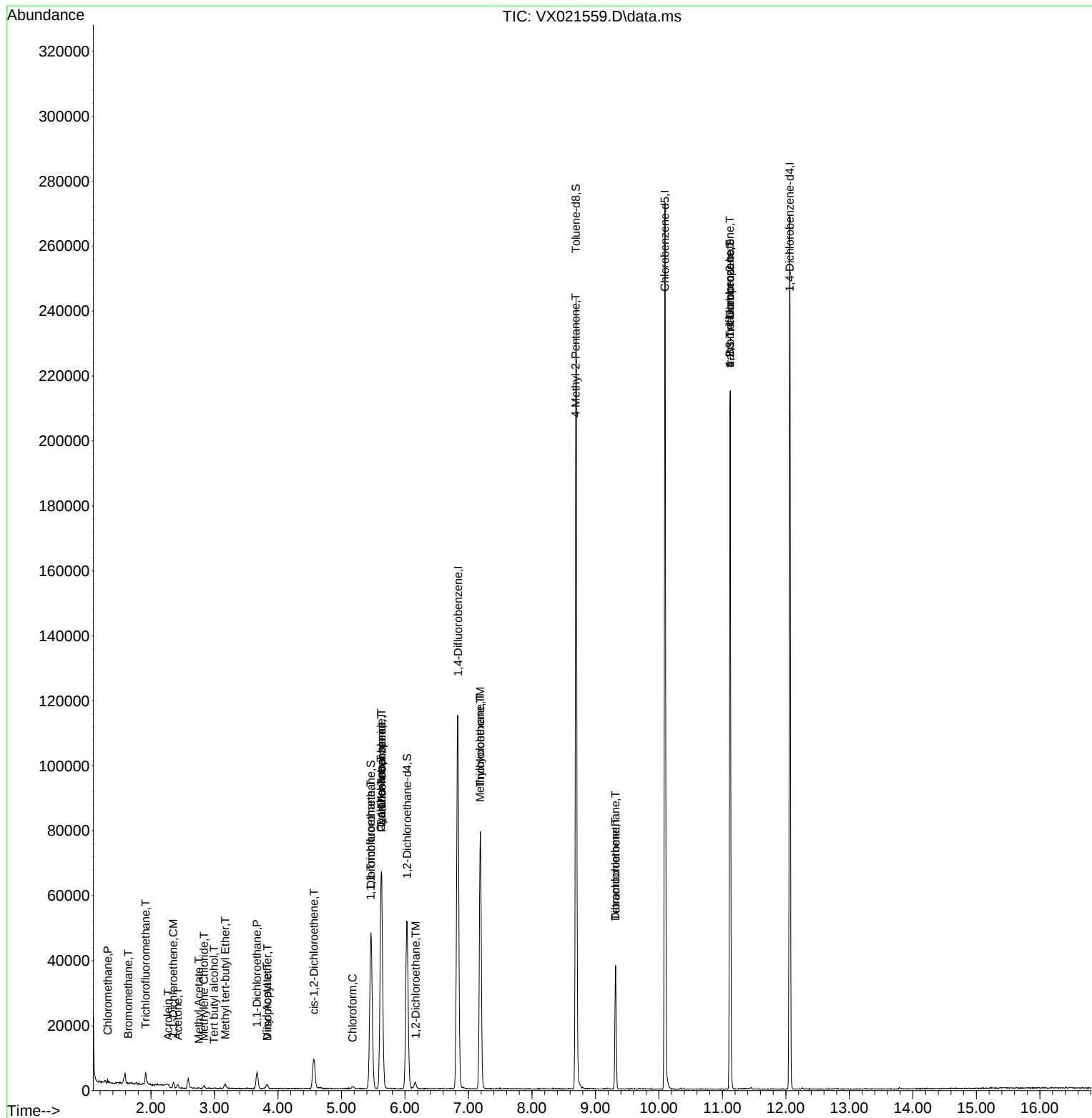
Internal Standards						
1) Pentafluorobenzene	5.635	168	58494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	108491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	51002	52.40	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.80%			
35) Dibromofluoromethane	5.464	113	38564	50.04	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.08%			
50) Toluene-d8	8.694	98	135741	49.43	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.86%			
62) 4-Bromofluorobenzene	11.118	95	56408	52.83	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.66%			
Target Compounds					Qvalue	
3) Chloromethane	1.317	50	1239	1.72	ug/l	100
5) Bromomethane	1.640	94	61	0.23	ug/l	90
7) Trichlorofluoromethane	1.917	101	2054	1.92	ug/l	89
11) Tert butyl alcohol	2.993	59	106	0.66	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	558	0.95	ug/l	91
13) Acrolein	2.270	56	36	4.73	ug/l	85
16) Acetone	2.423	43	1103	3.00	ug/l	98
18) Methyl Acetate	2.752	43	291	0.27	ug/l #	47
19) Methyl tert-butyl Ether	3.170	73	1249	0.57	ug/l	97
20) Methylene Chloride	2.834	84	425	0.59	ug/l #	93
22) Diisopropyl ether	3.834	45	1206	0.52	ug/l #	74
23) Vinyl Acetate	3.829	43	638	0.32	ug/l #	68
24) 1,1-Dichloroethane	3.670	63	5460	4.36	ug/l	97
27) cis-1,2-Dichloroethene	4.564	96	5520	7.34	ug/l	98
30) Chloroform	5.176	83	768	0.58	ug/l	94
31) Cyclohexane	5.623	56	1605	1.50	ug/l #	57
32) 1,1,1-Trichloroethane	5.458	97	530	0.45	ug/l #	48
36) 1,1-Dichloropropene	5.629	75	5363	5.05	ug/l #	50
38) Carbon Tetrachloride	5.629	117	6437	5.64	ug/l #	18
39) Methylcyclohexane	7.182	83	352	0.30	ug/l #	1
42) 1,2-Dichloroethane	6.170	62	2063	1.58	ug/l	91
44) Trichloroethene	7.188	130	27837	34.95	ug/l	89
51) 4-Methyl-2-Pentanone	8.688	43	913	0.74	ug/l #	1
60) Dibromochloromethane	9.318	129	6327	7.18	ug/l #	11
64) Tetrachloroethene	9.318	164	6795	9.19	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	31088	26.80	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31088	81.63	ug/l #	12

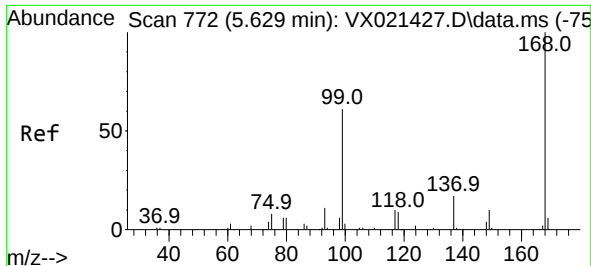
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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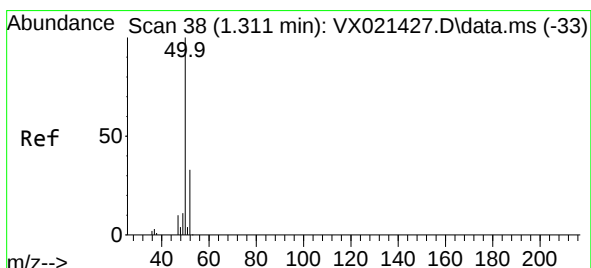
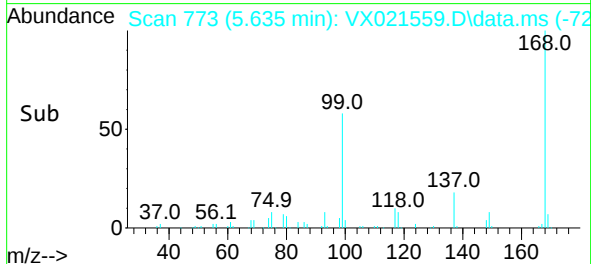
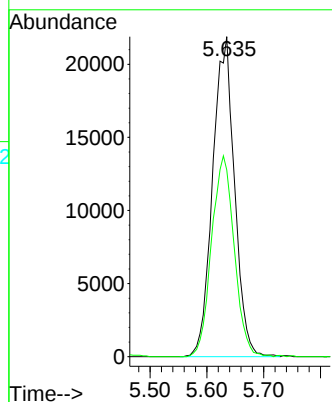
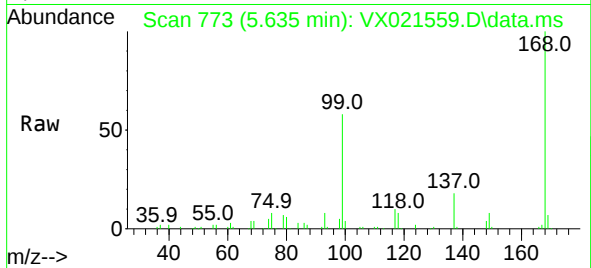




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

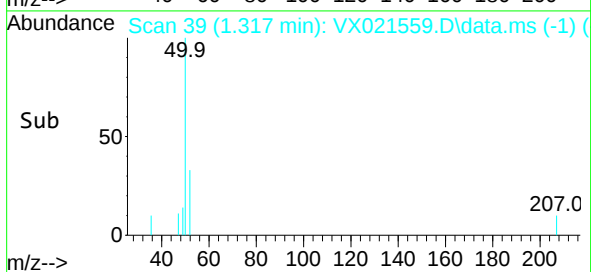
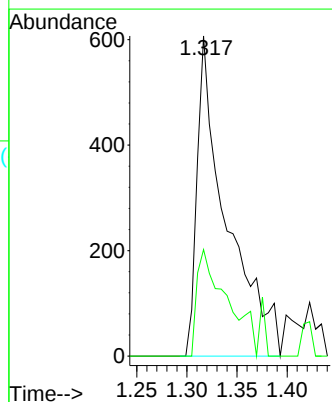
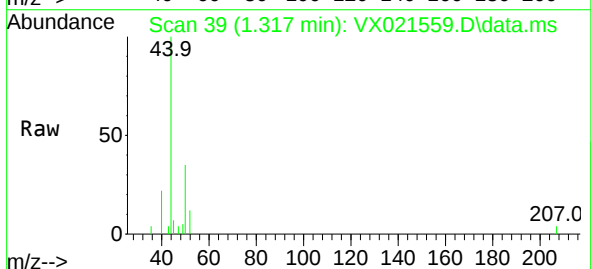
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

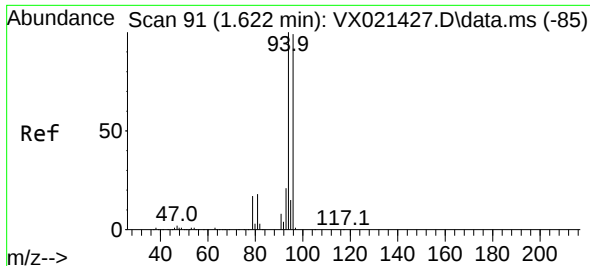
Tgt Ion:168 Resp: 58494
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#3
Chloromethane
Concen: 1.72 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 50 Resp: 1239
Ion Ratio Lower Upper
50 100
52 33.3 26.4 39.6

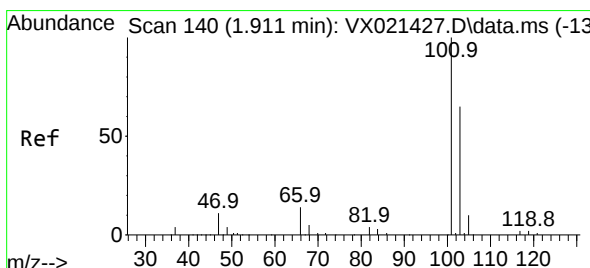
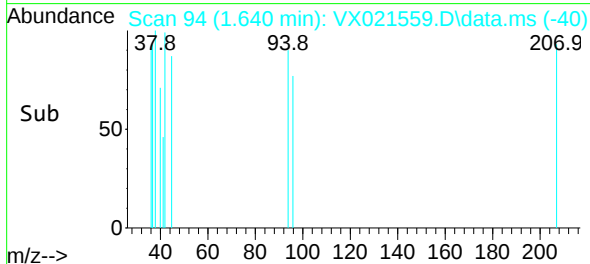
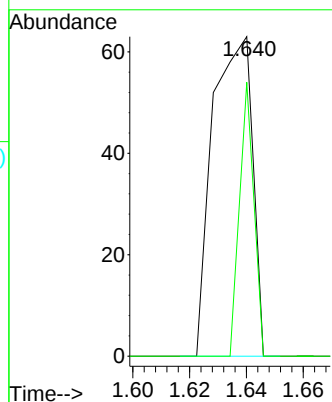
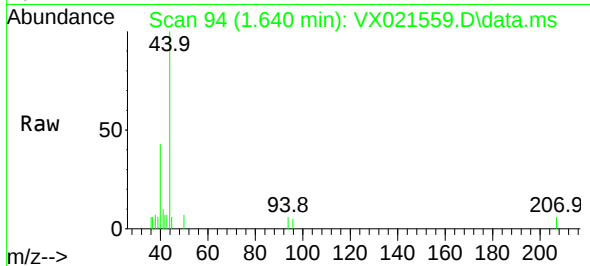




#5
Bromomethane
Concen: 0.23 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.018 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

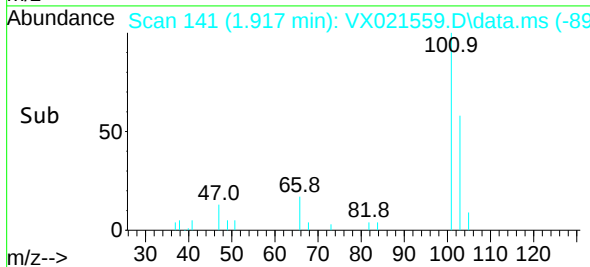
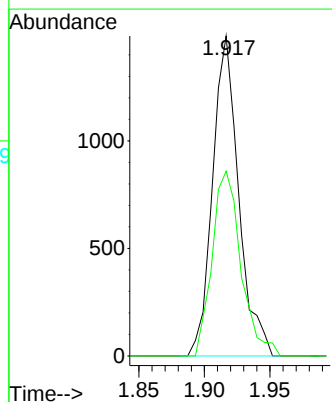
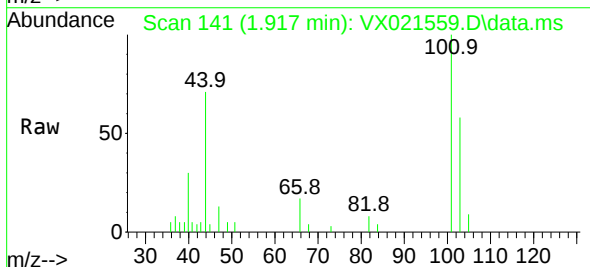
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

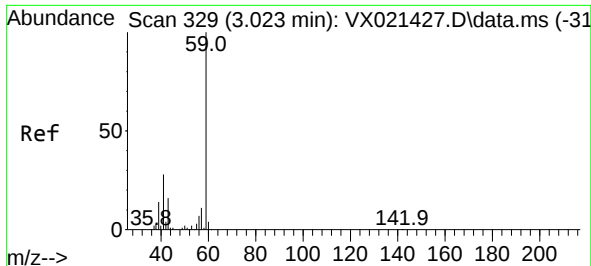
Tgt Ion: 94 Resp: 61
Ion Ratio Lower Upper
94 100
96 85.7 76.4 114.6



#7
Trichlorofluoromethane
Concen: 1.92 ug/l
RT: 1.917 min Scan# 141
Delta R.T. 0.006 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion:101 Resp: 2054
Ion Ratio Lower Upper
101 100
103 57.7 53.2 79.8

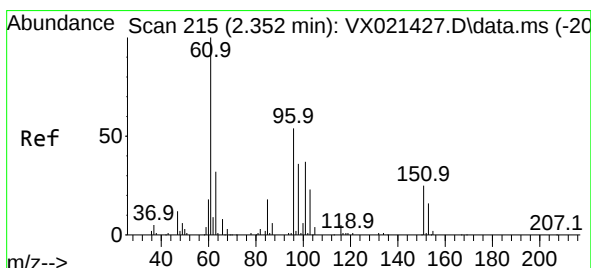
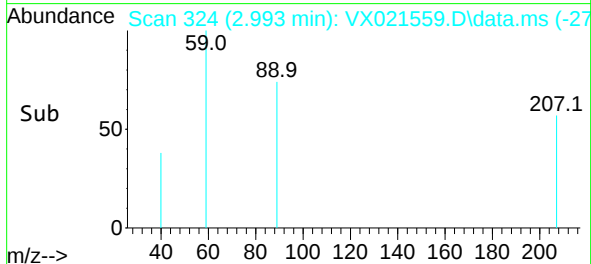
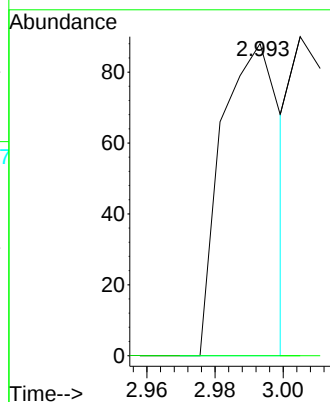
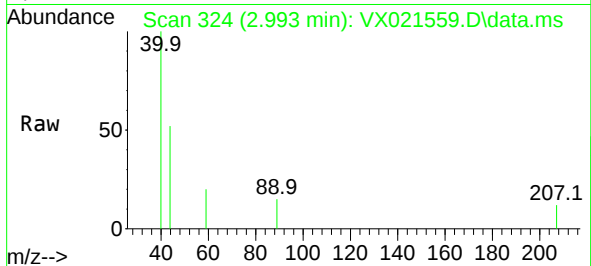




#11
Tert butyl alcohol
Concen: 0.66 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.030 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

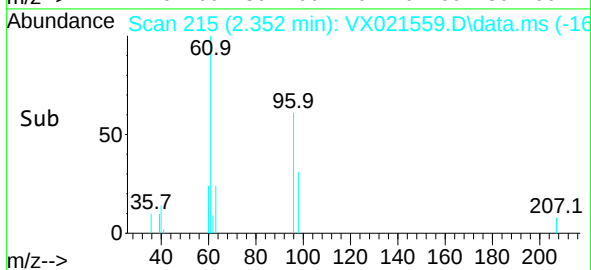
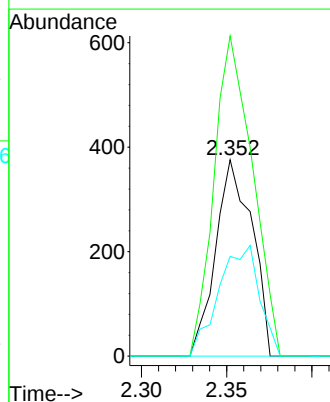
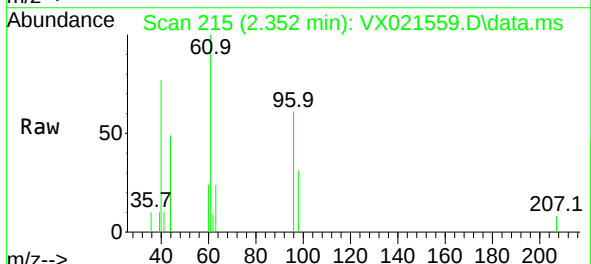
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

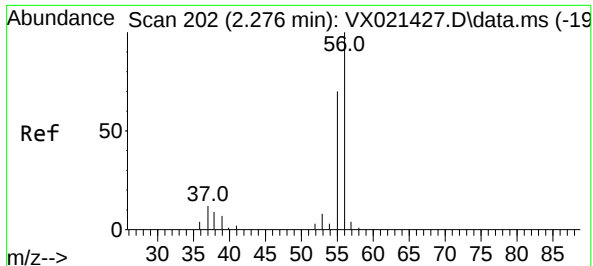
Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.95 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 96 Resp: 558
Ion Ratio Lower Upper
96 100
61 163.0 124.6 187.0
98 50.8 50.6 76.0

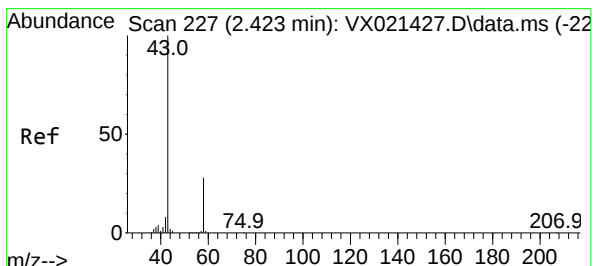
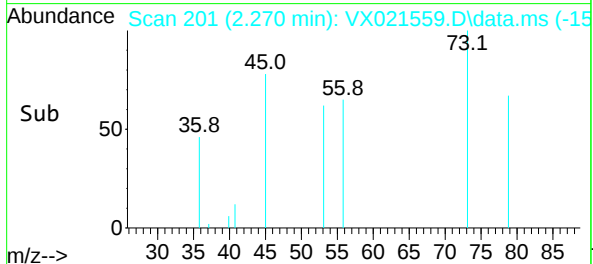
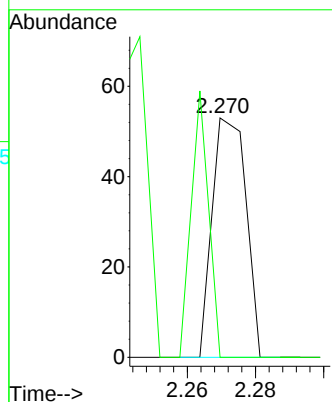
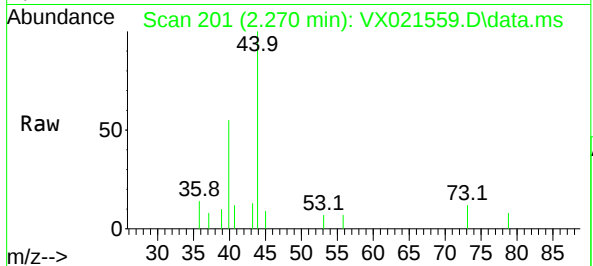




#13
Acrolein
Concen: 4.73 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

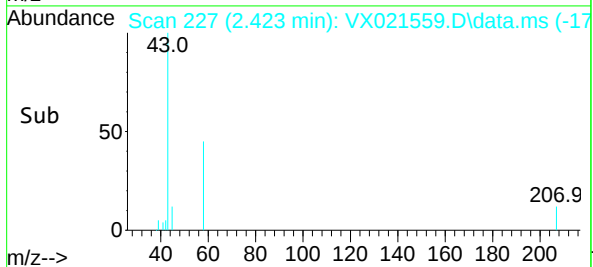
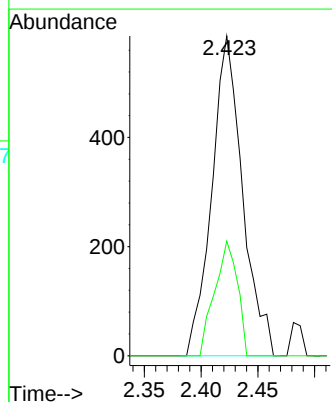
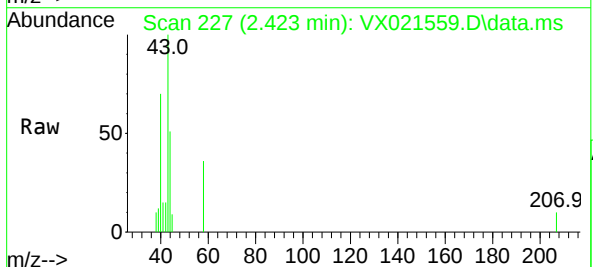
Instrument :
MSVOA_X
ClientSampleId :
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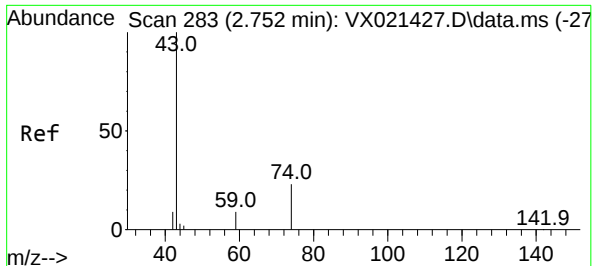
Tgt Ion: 56 Resp: 36
Ion Ratio Lower Upper
56 100
55 58.3 56.4 84.6



#16
Acetone
Concen: 3.00 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
58 35.8 27.8 41.8





#18

Methyl Acetate

Concen: 0.27 ug/l

RT: 2.752 min Scan# 283

Delta R.T. 0.000 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

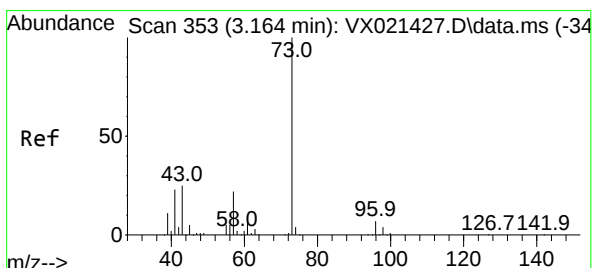
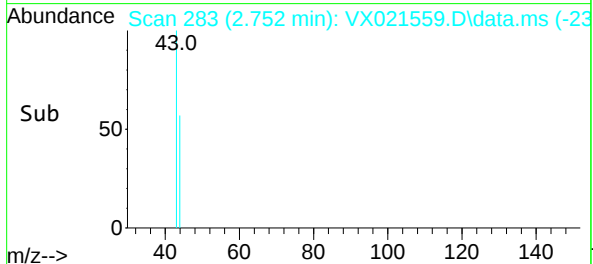
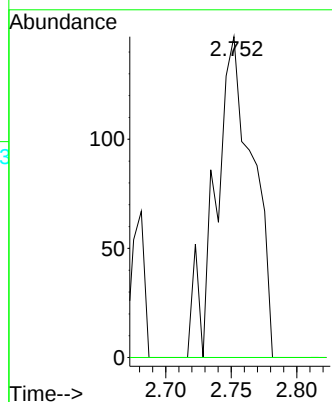
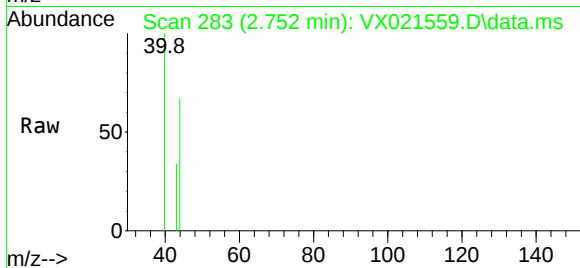
Instrument :

MSVOA_X

ClientSampleId :

MW202D-20210320

Tgt Ion: 43 Resp: 291
 Ion Ratio Lower Upper
 43 100
 74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.57 ug/l

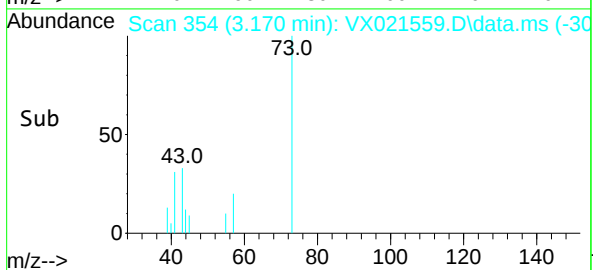
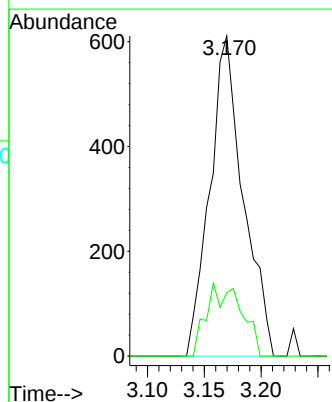
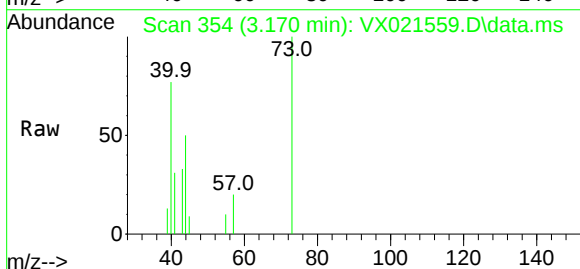
RT: 3.170 min Scan# 354

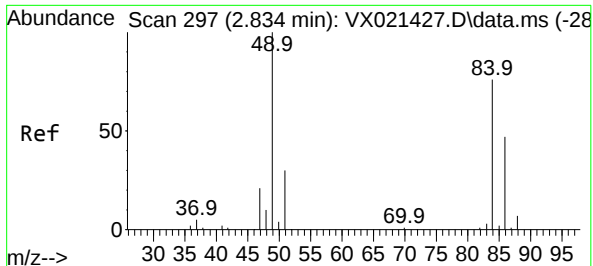
Delta R.T. 0.006 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

Tgt Ion: 73 Resp: 1249
 Ion Ratio Lower Upper
 73 100
 57 19.8 17.1 25.7



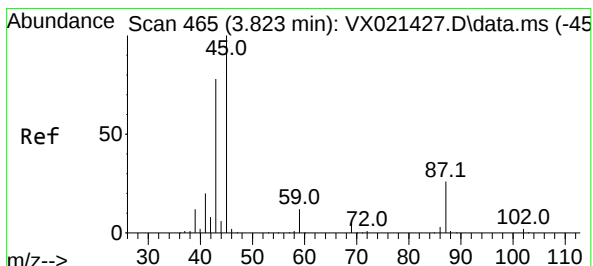
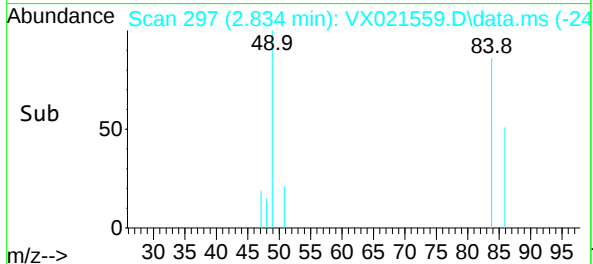
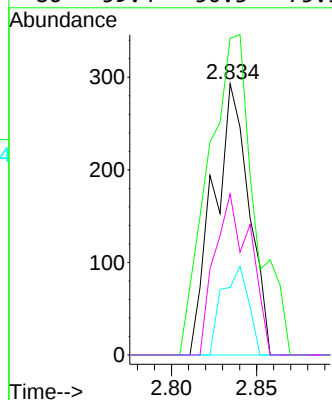
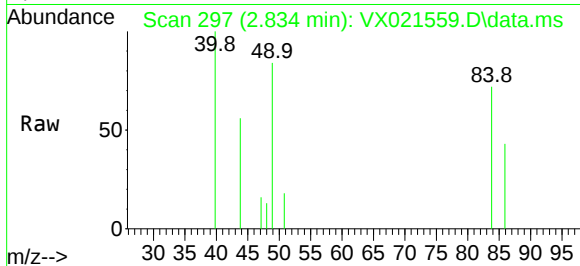


#20
Methylene Chloride
Concen: 0.59 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 84 Resp: 425

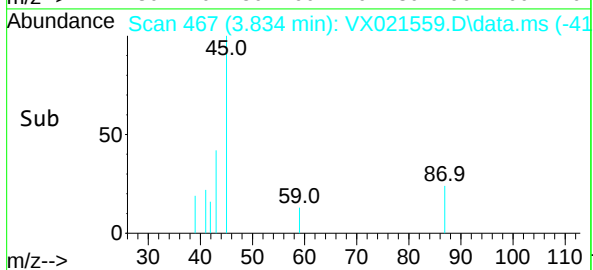
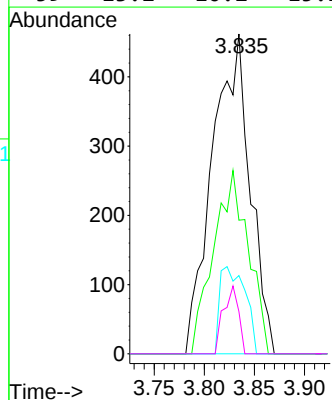
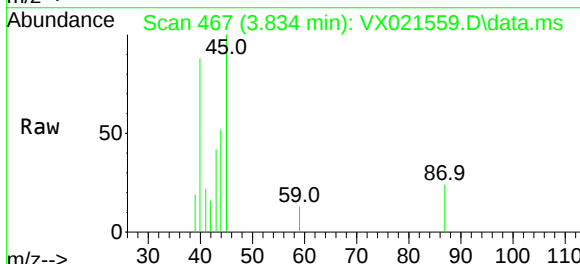
Ion	Ratio	Lower	Upper
84	100		
49	116.7	88.6	132.8
51	24.9	27.0	40.6#
86	59.4	50.3	75.5

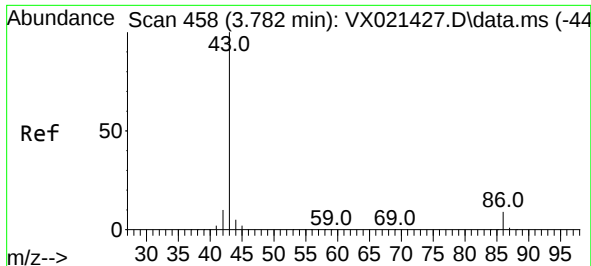


#22
Diisopropyl ether
Concen: 0.52 ug/l
RT: 3.834 min Scan# 467
Delta R.T. 0.011 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 45 Resp: 1206

Ion	Ratio	Lower	Upper
45	100		
43	41.8	58.0	87.0#
87	24.5	25.4	38.0#
59	13.2	10.2	15.2

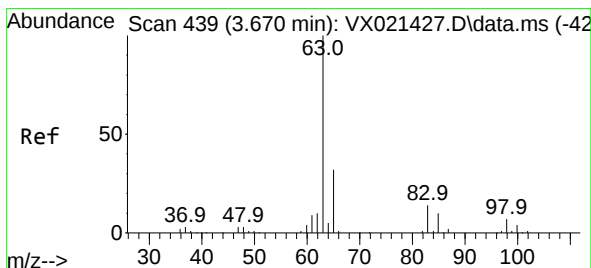
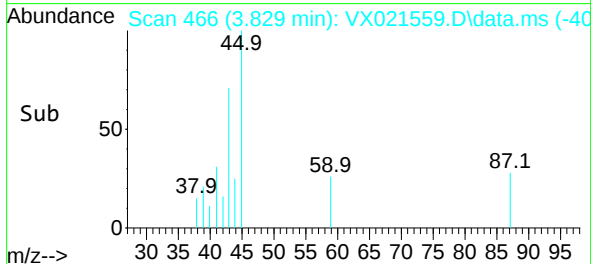
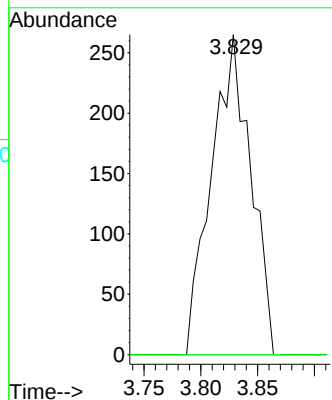
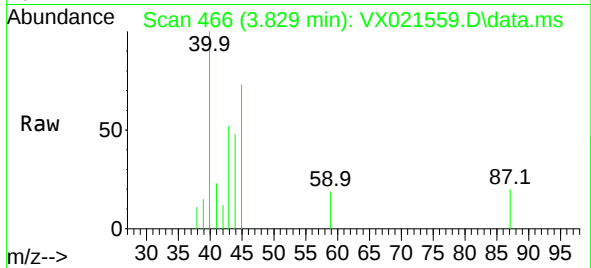




#23
 Vinyl Acetate
 Concen: 0.32 ug/l
 RT: 3.829 min Scan# 466
 Delta R.T. 0.047 min
 Lab File: VX021559.D
 Acq: 27 Mar 2021 03:30

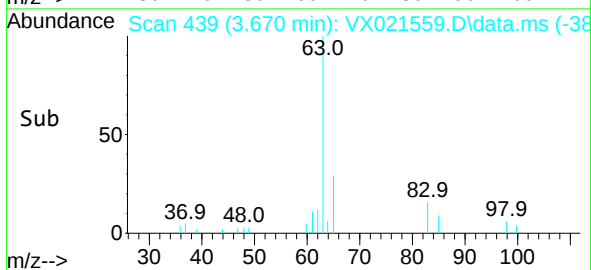
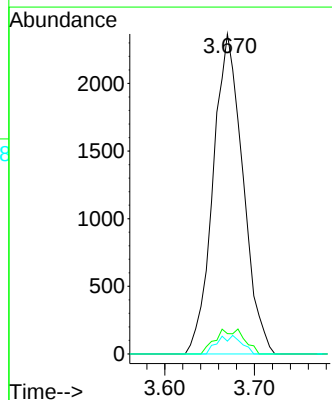
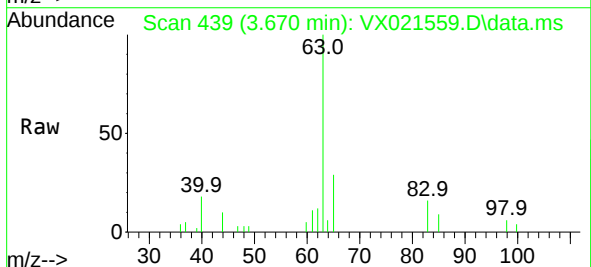
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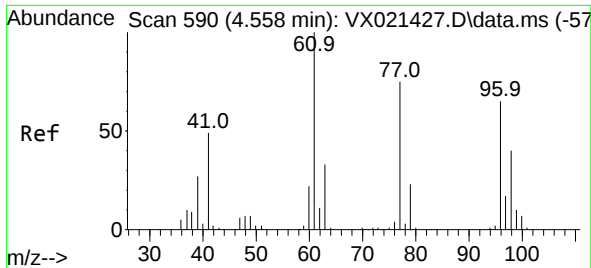
Tgt Ion: 43 Resp: 638
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#24
 1,1-Dichloroethane
 Concen: 4.36 ug/l
 RT: 3.670 min Scan# 439
 Delta R.T. -0.000 min
 Lab File: VX021559.D
 Acq: 27 Mar 2021 03:30

Tgt Ion: 63 Resp: 5460
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.8 11.2
 100 4.0 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 7.34 ug/l

RT: 4.564 min Scan# 591

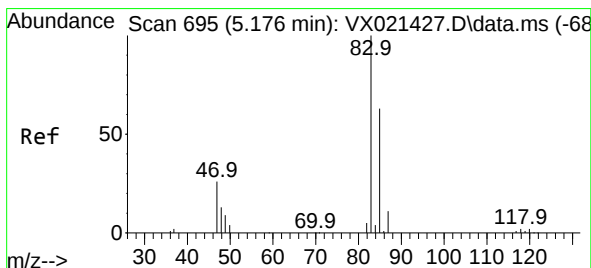
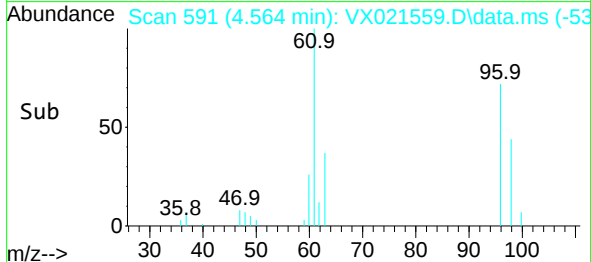
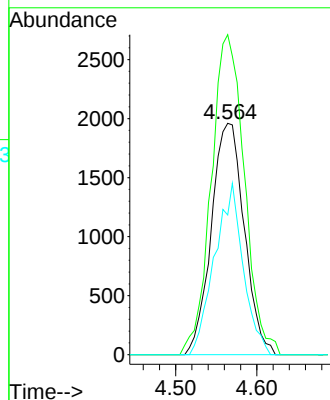
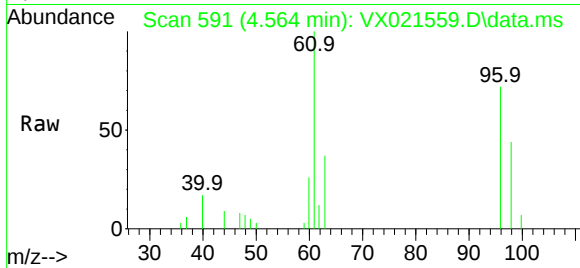
Delta R.T. 0.006 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

Tgt Ion: 96 Resp: 5520

Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	285.6
98	64.3	0.0	129.6



#30

Chloroform

Concen: 0.58 ug/l

RT: 5.176 min Scan# 695

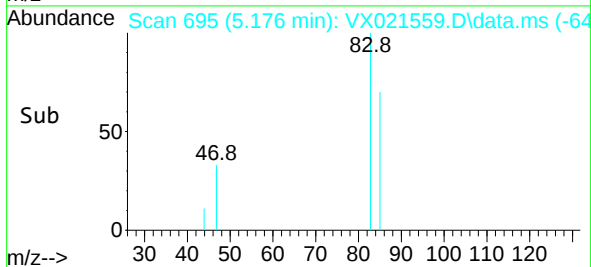
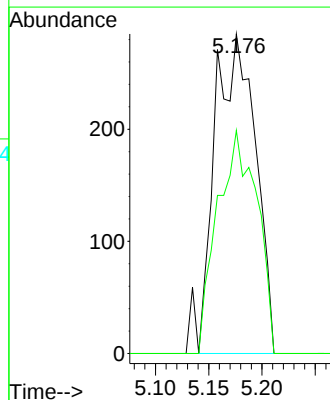
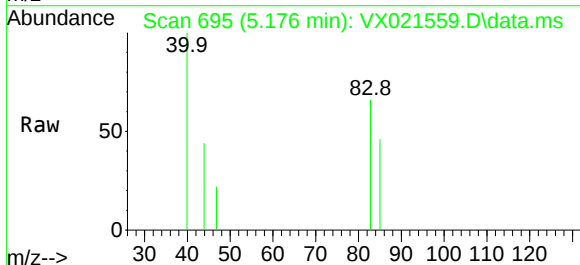
Delta R.T. -0.000 min

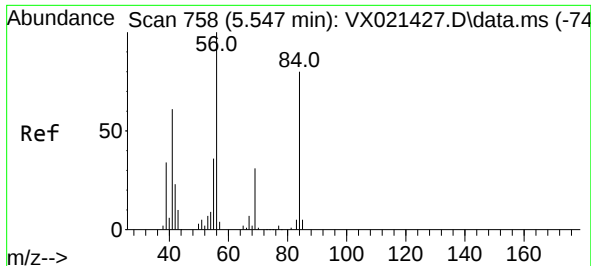
Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

Tgt Ion: 83 Resp: 768

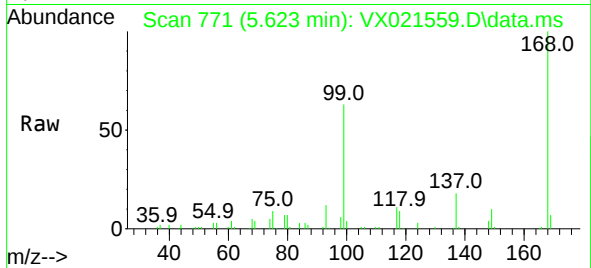
Ion	Ratio	Lower	Upper
83	100		
85	69.8	52.0	78.0



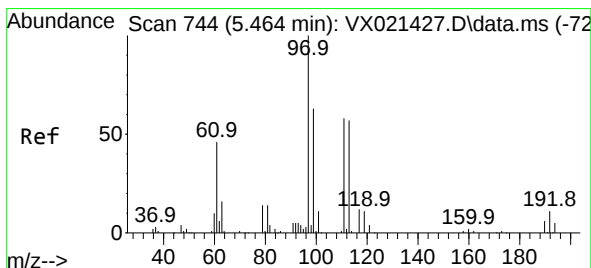
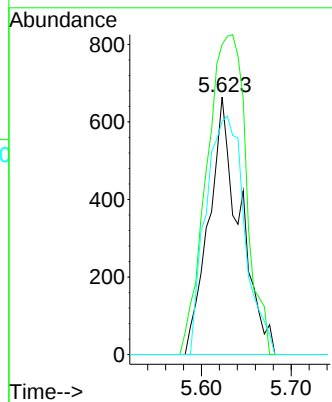
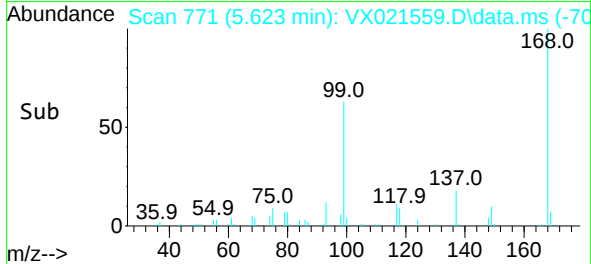


#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

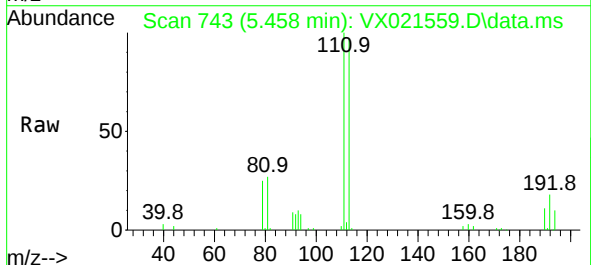
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320



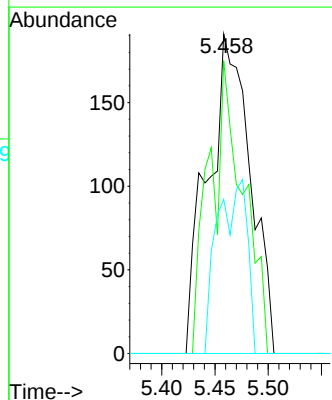
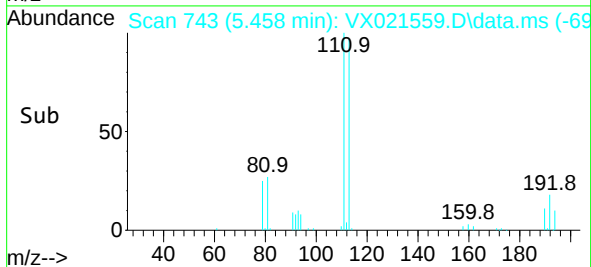
Tgt Ion: 56 Resp: 1605
Ion Ratio Lower Upper
56 100
69 120.5 25.3 37.9#
84 90.5 71.4 107.0

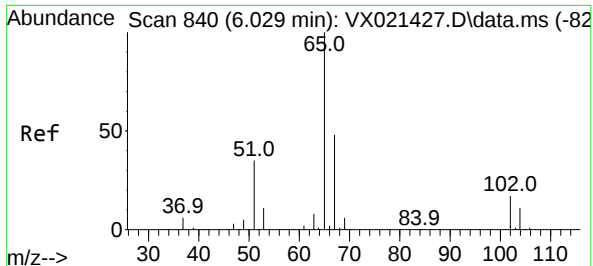


#32
1,1,1-Trichloroethane
Concen: 0.45 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30



Tgt Ion: 97 Resp: 530
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 38.3 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 52.40 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

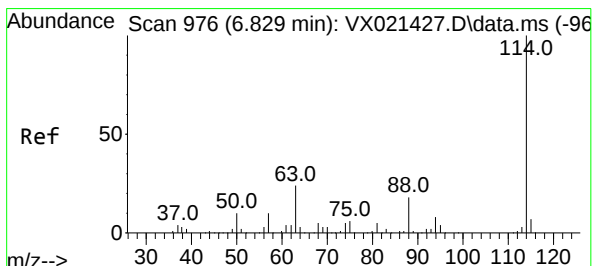
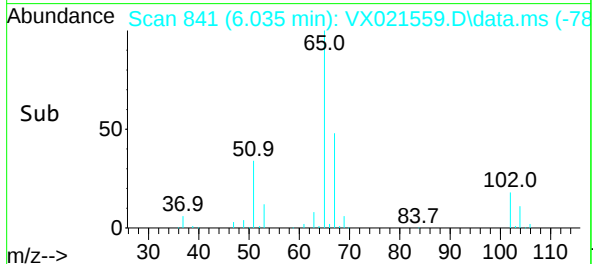
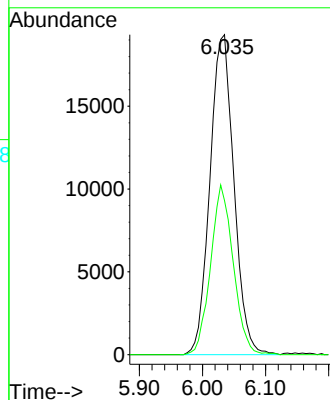
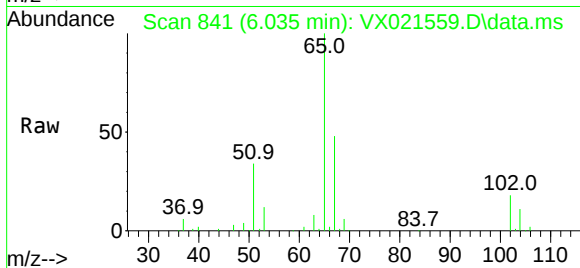
Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

Tgt Ion: 65 Resp: 51002

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

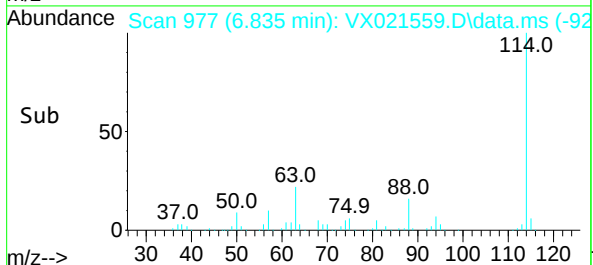
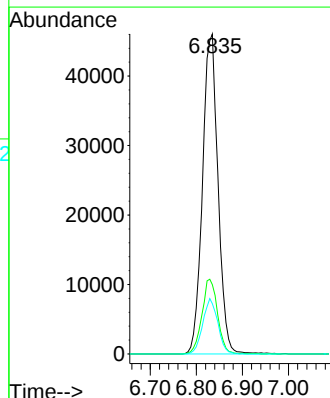
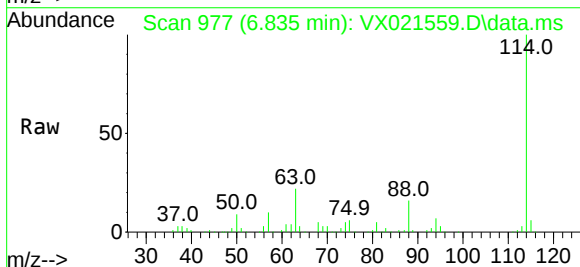
Lab File: VX021559.D

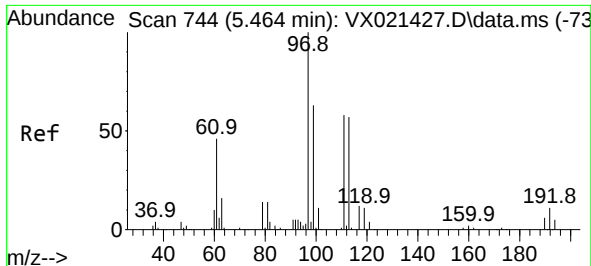
Acq: 27 Mar 2021 03:30

Tgt Ion: 114 Resp: 108491

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.8
88	15.7	0.0	32.8





#35

Dibromofluoromethane

Concen: 50.04 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

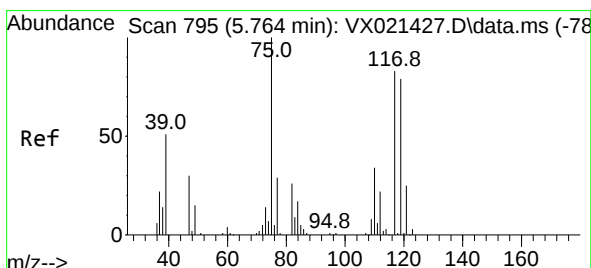
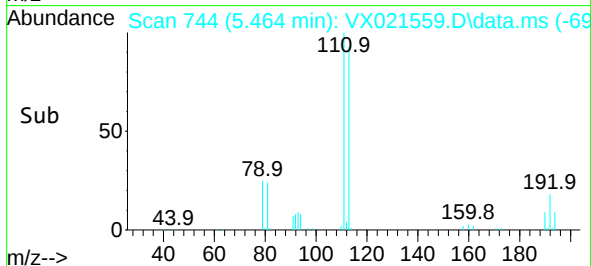
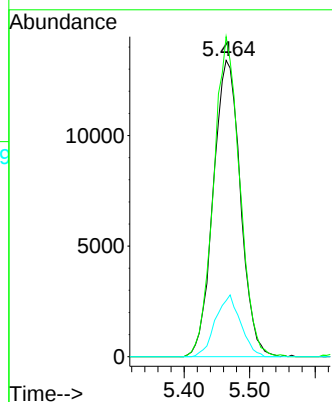
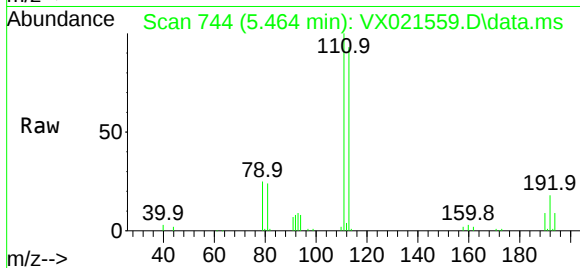
Tgt Ion:113 Resp: 38564

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.05 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.135 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

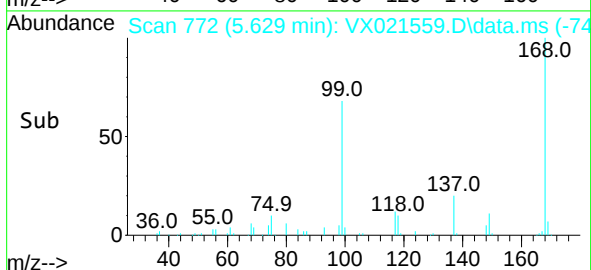
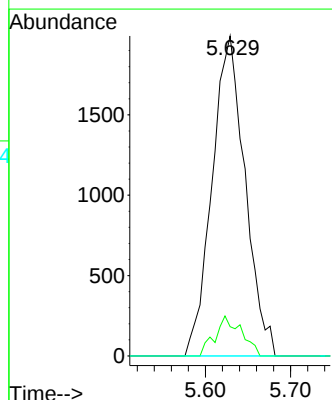
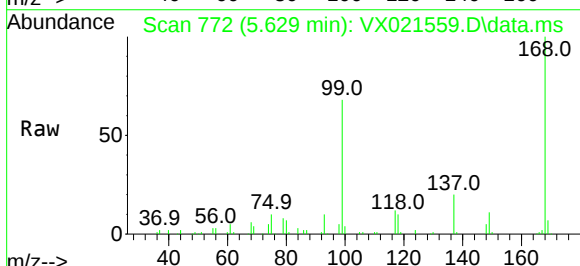
Tgt Ion: 75 Resp: 5363

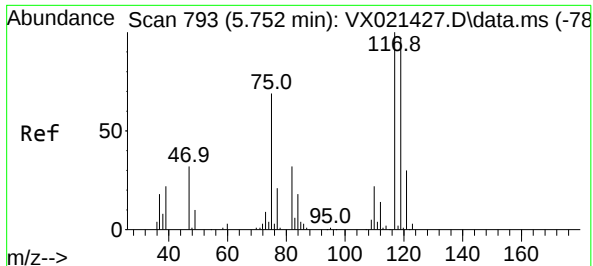
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

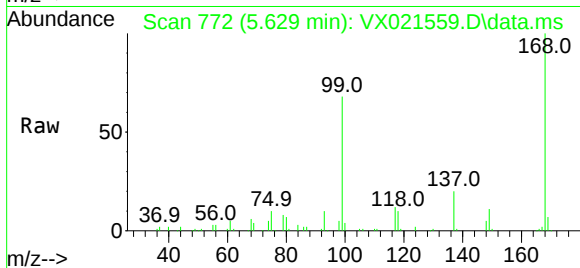
77 0.0 25.3 37.9#



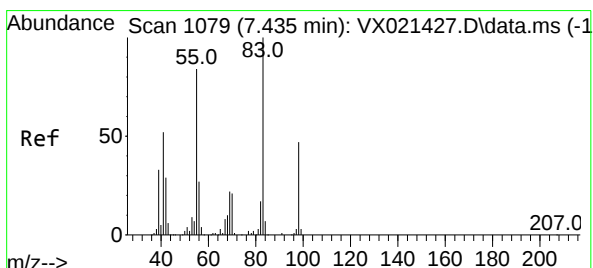
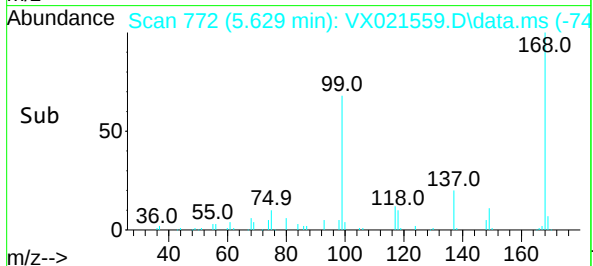
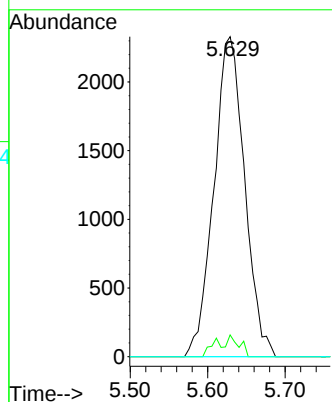


#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

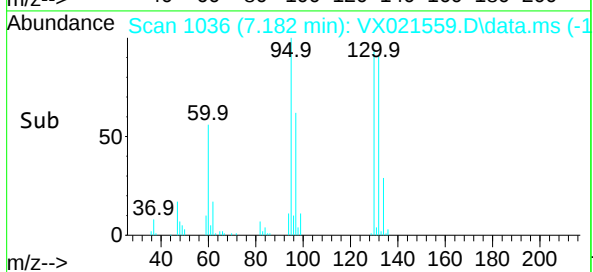
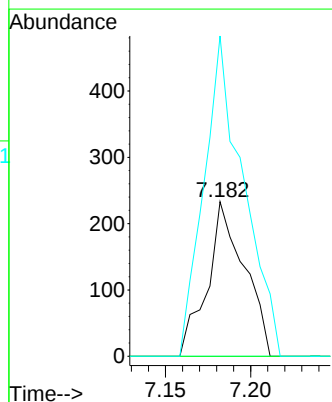
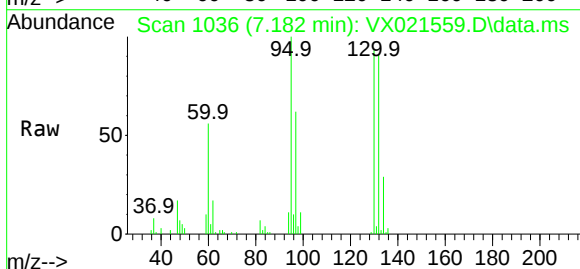


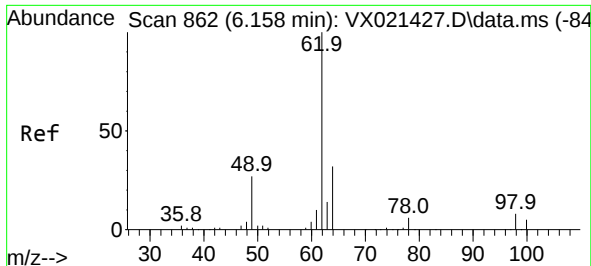
Tgt Ion:117 Resp: 6437
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.30 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.253 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 83 Resp: 352
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 207.3 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 1.58 ug/l

RT: 6.170 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX021559.D

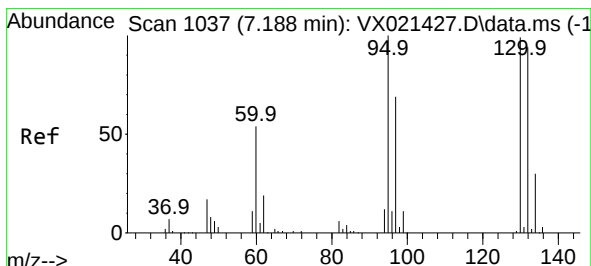
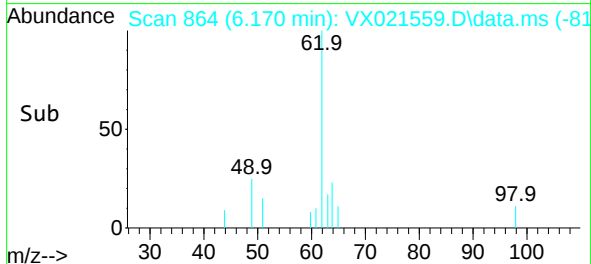
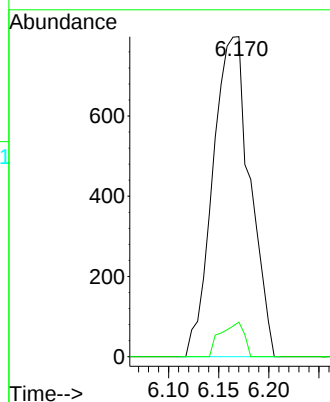
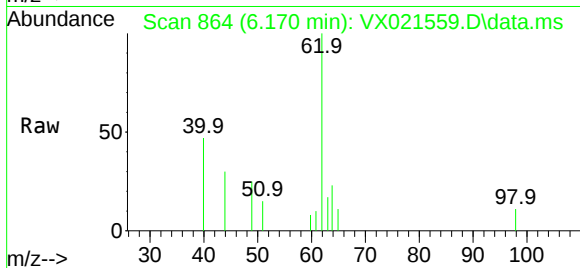
Acq: 27 Mar 2021 03:30

Tgt Ion: 62 Resp: 2063

Ion Ratio Lower Upper

62 100

98 6.8 0.0 20.2



#44

Trichloroethene

Concen: 34.95 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021559.D

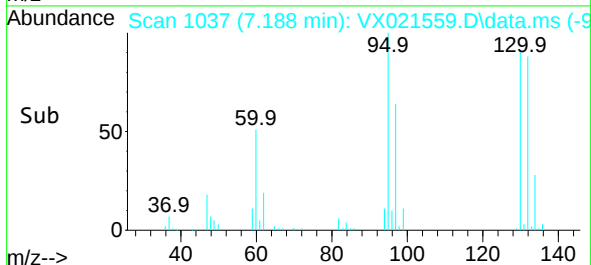
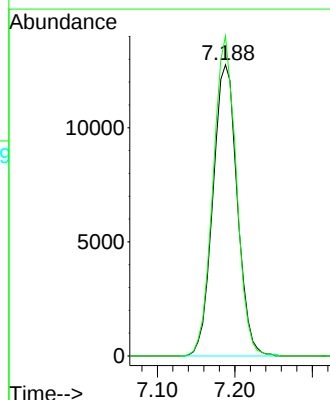
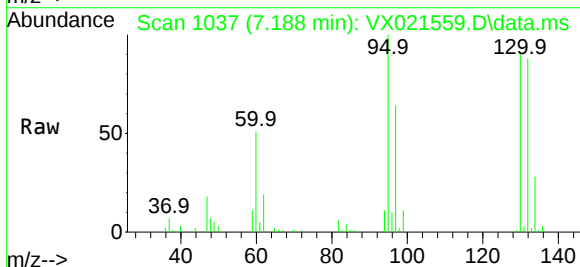
Acq: 27 Mar 2021 03:30

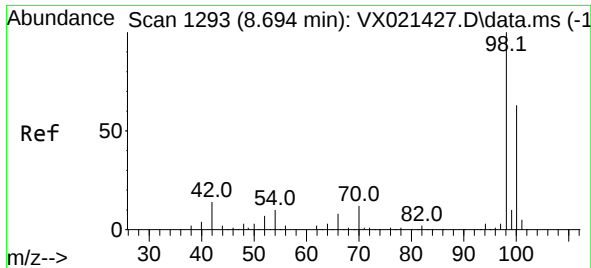
Tgt Ion: 130 Resp: 27837

Ion Ratio Lower Upper

130 100

95 109.9 0.0 198.0

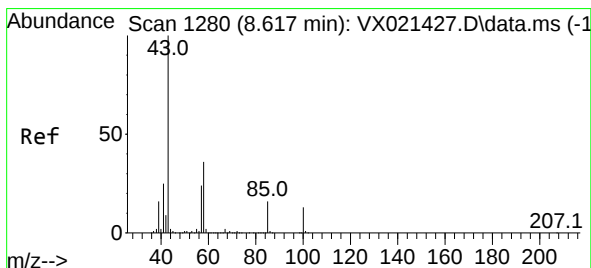
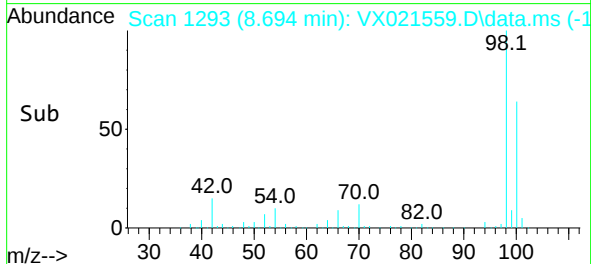
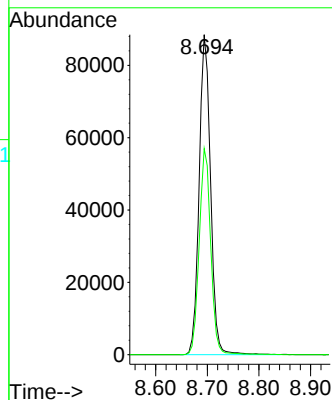
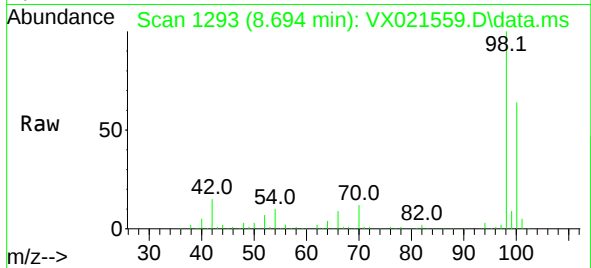




#50
Toluene-d8
Concen: 49.43 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

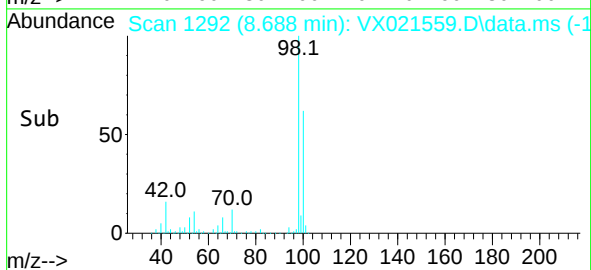
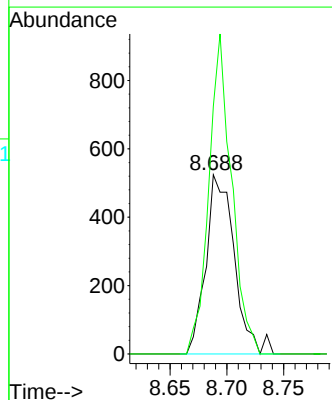
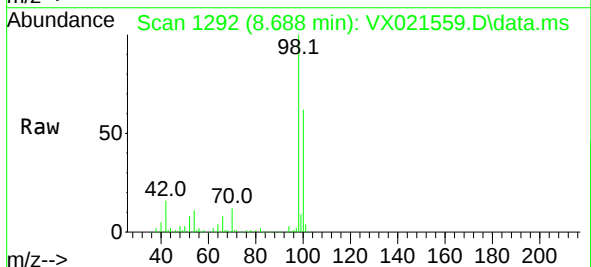
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

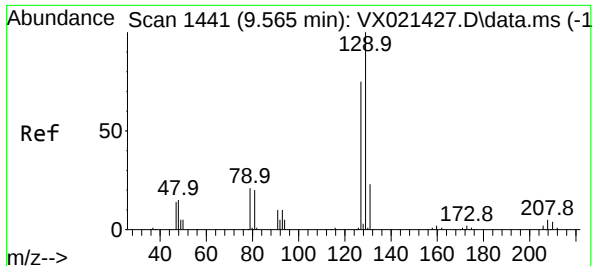
Tgt Ion: 98 Resp: 135741
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.74 ug/l
RT: 8.688 min Scan# 1292
Delta R.T. 0.071 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
58 143.2 35.4 53.0#





#60

Dibromochloromethane

Concen: 7.18 ug/l

RT: 9.318 min Scan# 1399

Delta R.T. -0.247 min

Lab File: VX021559.D

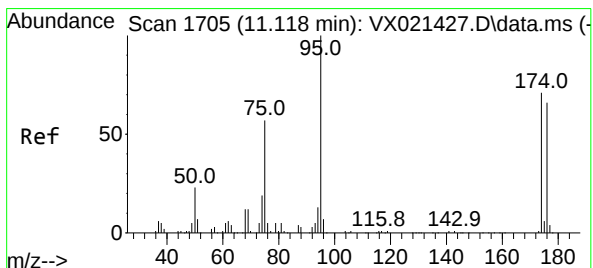
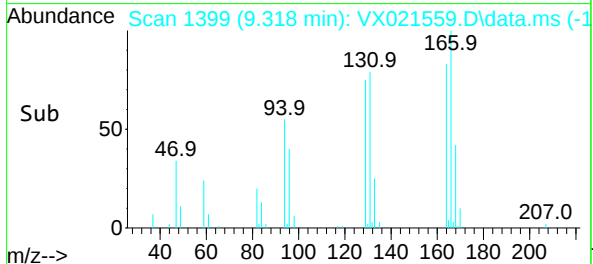
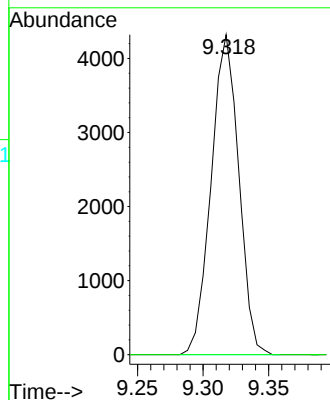
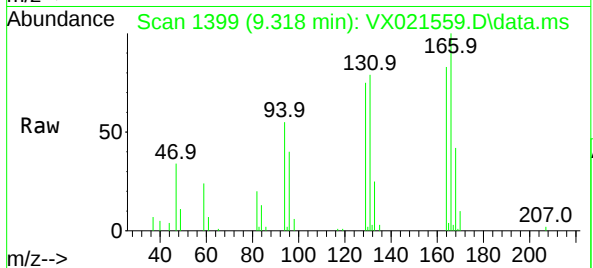
Acq: 27 Mar 2021 03:30

Tgt Ion:129 Resp: 6327

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 52.83 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

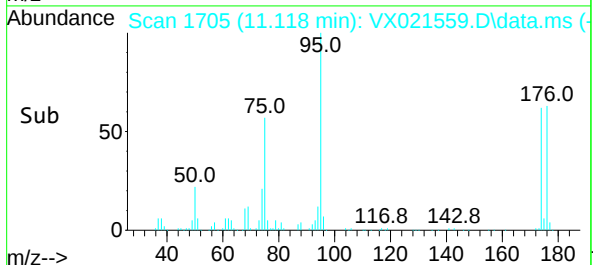
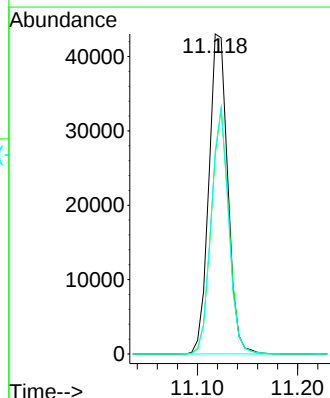
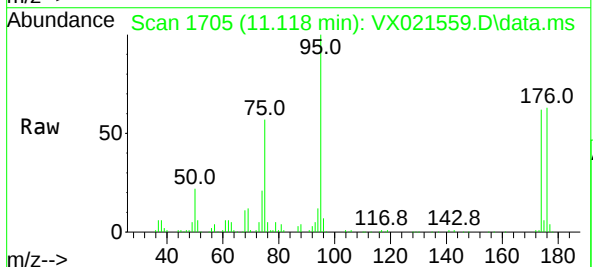
Tgt Ion: 95 Resp: 56408

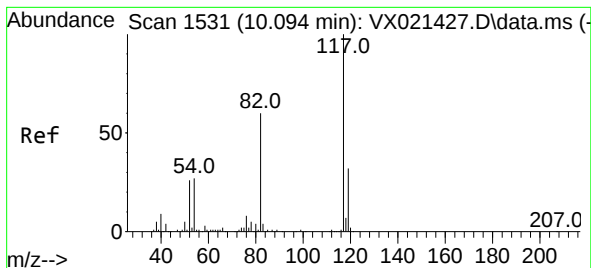
Ion Ratio Lower Upper

95 100

174 71.7 0.0 154.6

176 71.2 0.0 155.8

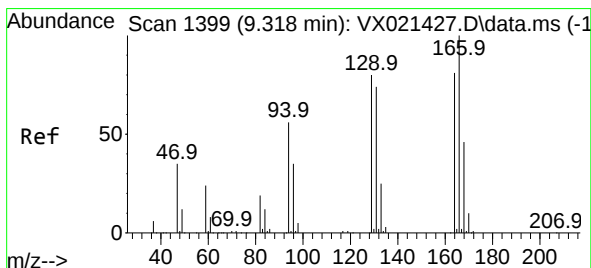
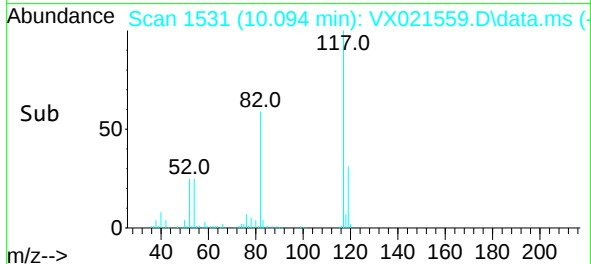
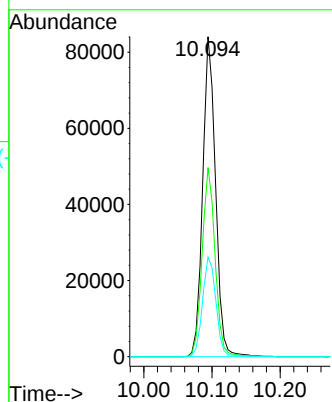
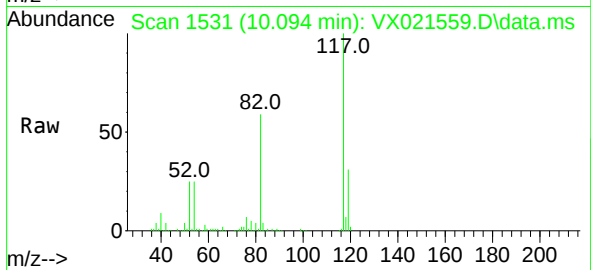




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

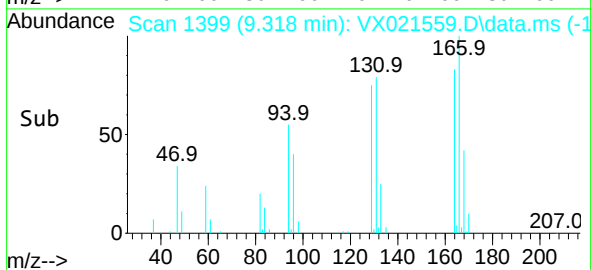
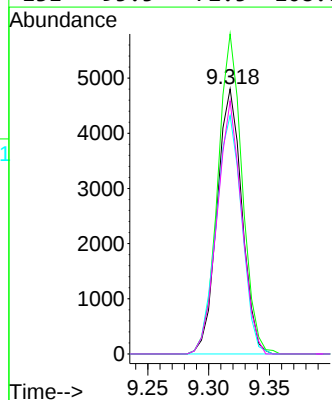
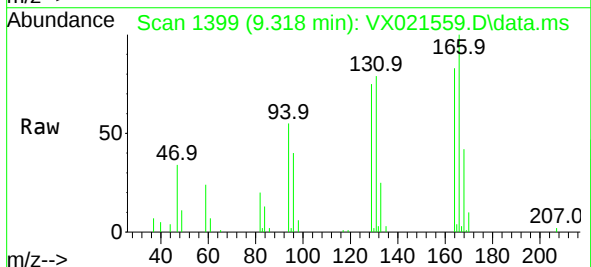
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

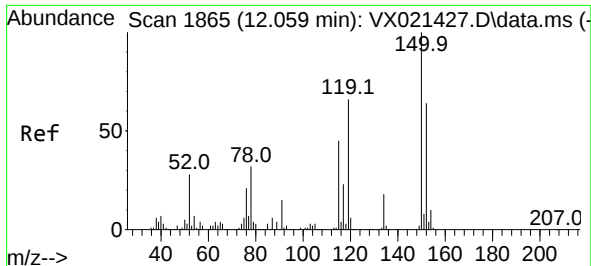
Tgt Ion:117 Resp: 110349
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.2 26.6 39.8



#64
Tetrachloroethene
Concen: 9.19 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion:164 Resp: 6795
Ion Ratio Lower Upper
164 100
166 120.7 103.4 155.2
129 89.9 70.8 106.2
131 95.5 72.5 108.7

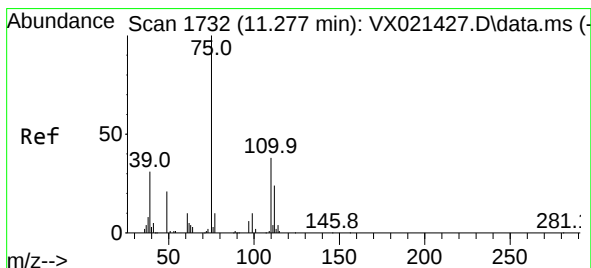
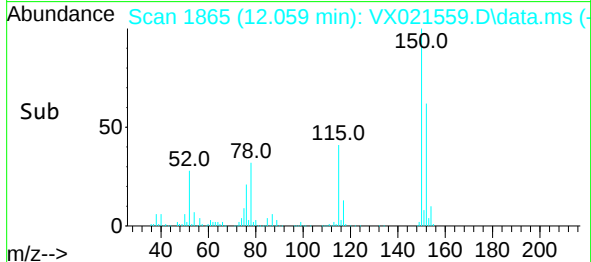
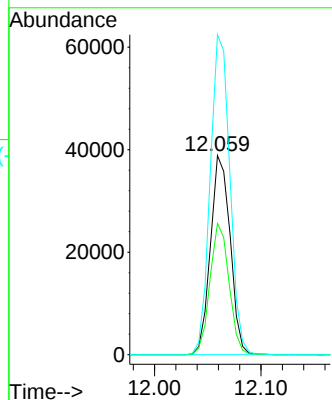
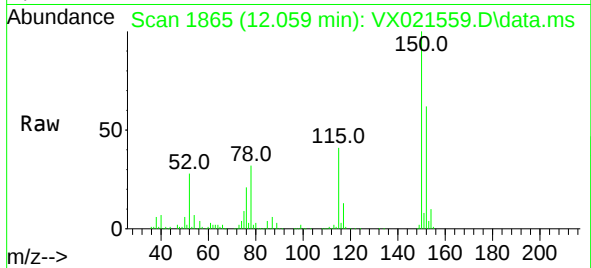




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

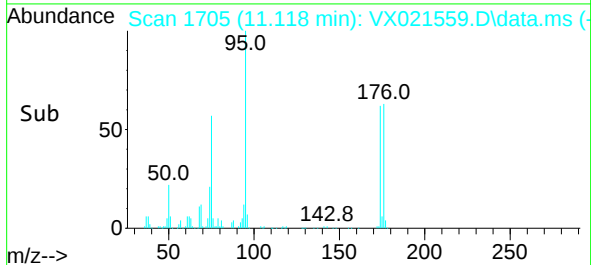
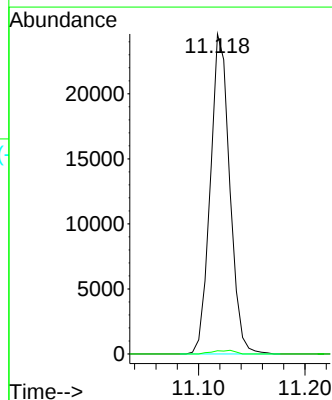
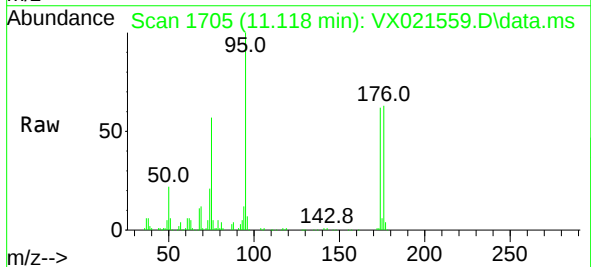
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210320

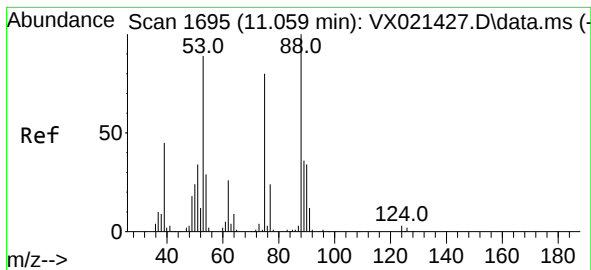
Tgt Ion:152 Resp: 49832
Ion Ratio Lower Upper
152 100
115 63.9 41.1 123.3
150 160.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.80 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021559.D
Acq: 27 Mar 2021 03:30

Tgt Ion: 75 Resp: 31088
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 81.63 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. 0.059 min

Lab File: VX021559.D

Acq: 27 Mar 2021 03:30

Tgt Ion: 75 Resp: 31088

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

Instrument :

MSVOA_X

ClientSampleId :

MW202D-20210320

