

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021724.D
 Acq On : 01 Apr 2021 21:21
 Operator : JC/MD
 Sample : M1895-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Apr 02 03:34:01 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)

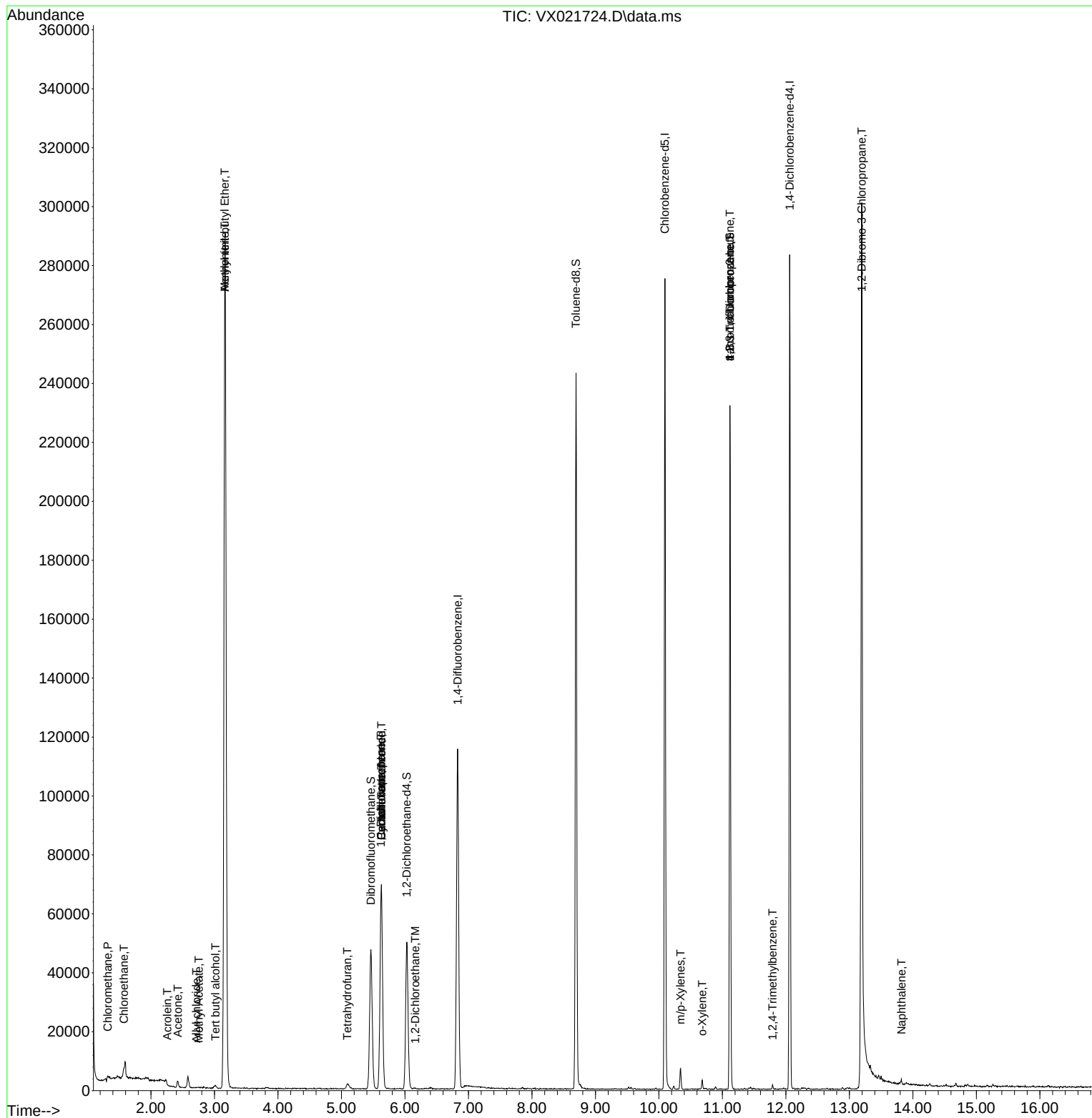
Internal Standards						
1) Pentafluorobenzene	5.629	168	60326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50063	49.88	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.76%
35) Dibromofluoromethane	5.464	113	39078	51.10	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.20%
50) Toluene-d8	8.694	98	138076	50.67	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.34%
62) 4-Bromofluorobenzene	11.118	95	58271	55.00	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.00%
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1292	1.74	ug/l	100
6) Chloroethane	1.576	64	107	0.25	ug/l #	43
11) Tert butyl alcohol	3.017	59	947	5.71	ug/l #	73
13) Acrolein	2.258	56	217	6.85	ug/l #	14
14) Allyl chloride	2.717	41	265	0.21	ug/l #	49
15) Acrylonitrile	3.164	53	3772	9.56	ug/l #	30
16) Acetone	2.423	43	2359	6.22	ug/l #	83
18) Methyl Acetate	2.752	43	794	0.72	ug/l #	47
19) Methyl tert-butyl Ether	3.164	73	311312	137.12	ug/l	98
29) Tetrahydrofuran	5.094	42	1591	4.27	ug/l #	76
31) Cyclohexane	5.629	56	1635	1.48	ug/l #	41
36) 1,1-Dichloropropene	5.623	75	5424	5.14	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6383	5.63	ug/l #	17
42) 1,2-Dichloroethane	6.164	62	301	0.23	ug/l #	73
68) m/p-Xylenes	10.341	106	1450	0.97	ug/l	86
69) o-Xylene	10.683	106	546	0.38	ug/l	84
76) 1,2,3-Trichloropropane	11.118	75	32813	26.00	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	32813	79.20	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.789	105	665	0.20	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	13.195	75	471	3.30	ug/l #	1
95) Naphthalene	13.818	128	844	0.24	ug/l #	90

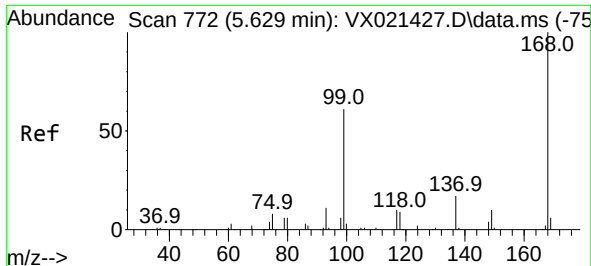
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

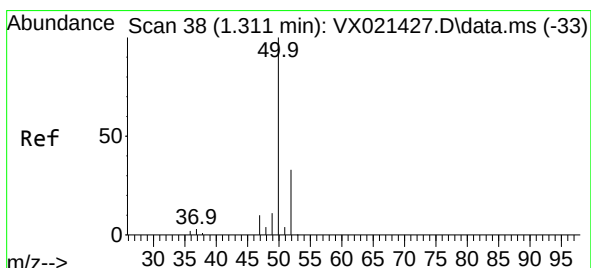
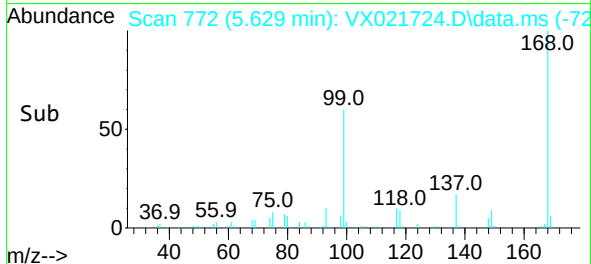
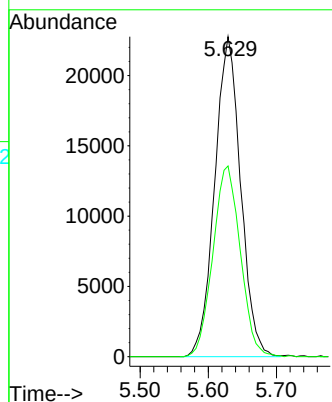
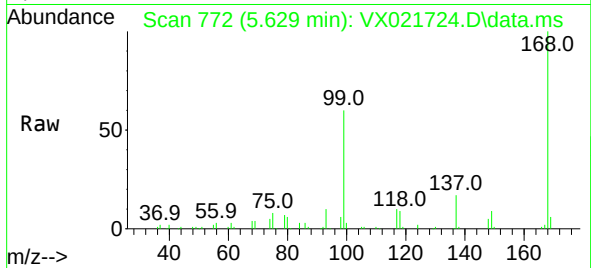




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

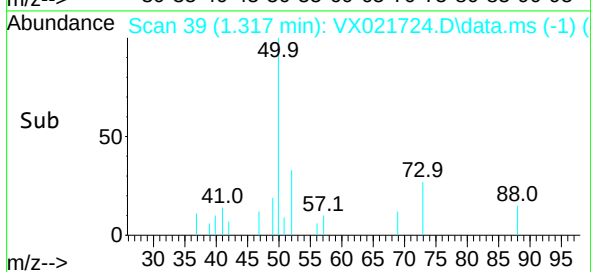
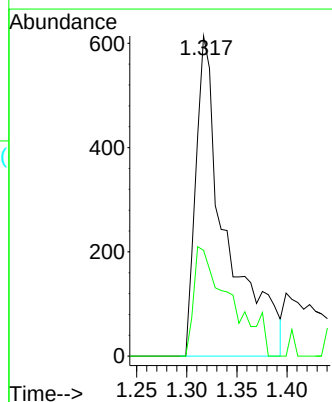
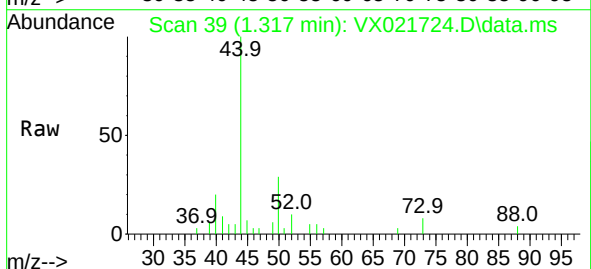
Instrument :
MSVOA_X
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MW-4

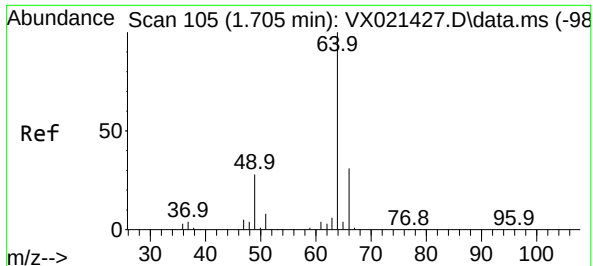
Tgt Ion:168 Resp: 60326
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#3
Chloromethane
Concen: 1.74 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 50 Resp: 1292
Ion Ratio Lower Upper
50 100
52 33.1 26.4 39.6

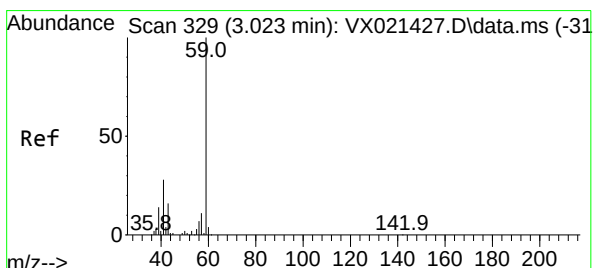
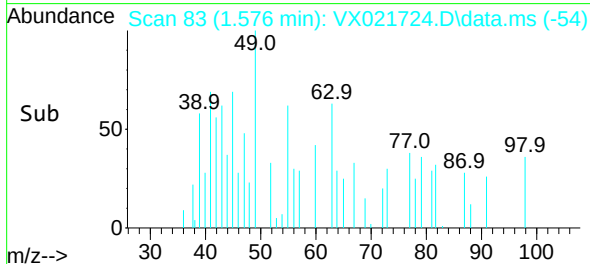
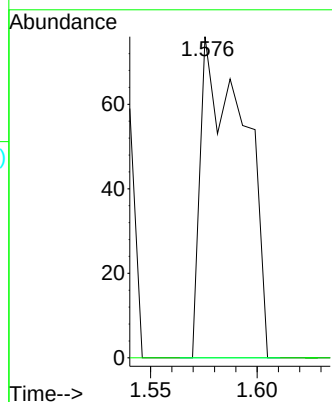
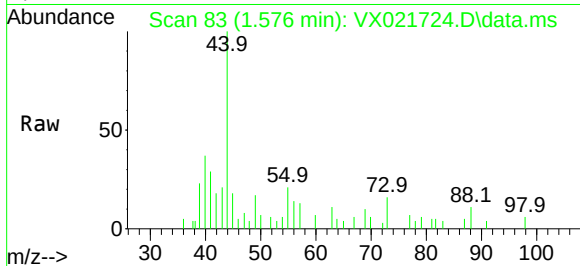




#6
Chloroethane
Concen: 0.25 ug/l
RT: 1.576 min Scan# 83
Delta R.T. -0.129 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

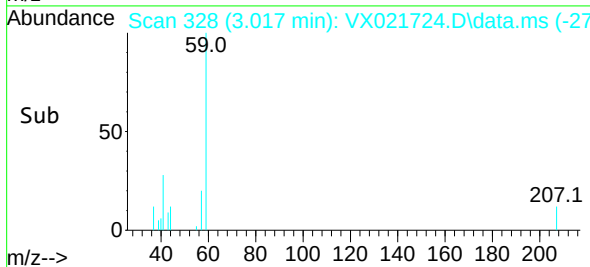
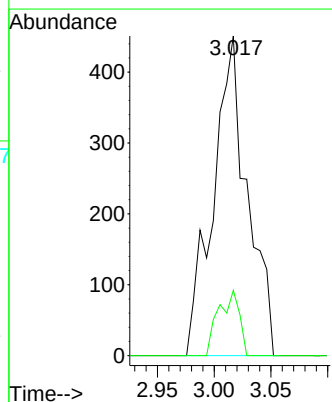
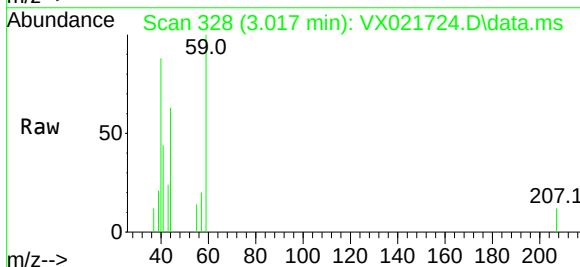
Instrument :
MSVOA_X
ClientSampled :
MW-4

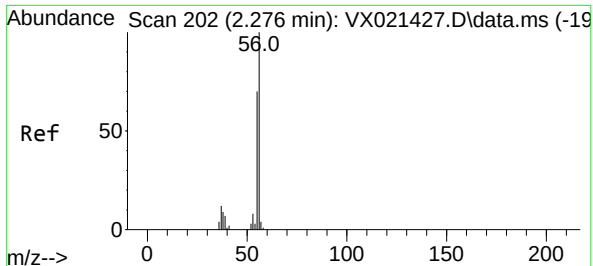
Tgt Ion: 64 Resp: 107
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 5.71 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 59 Resp: 947
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

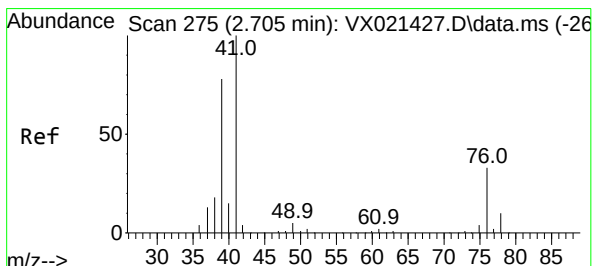
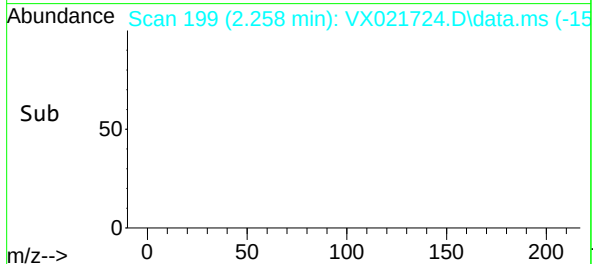
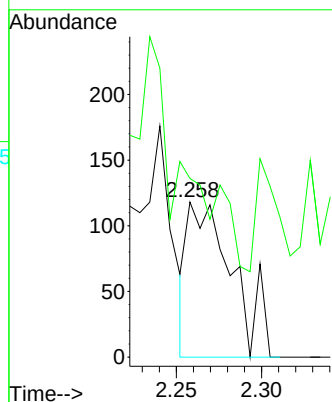
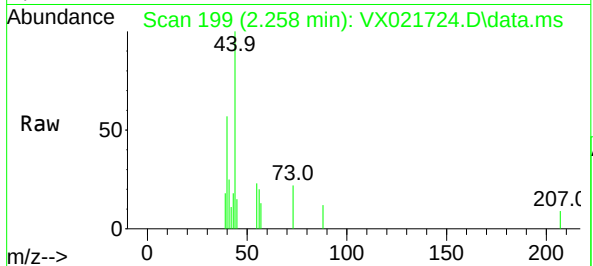




#13
Acrolein
Concen: 6.85 ug/l
RT: 2.258 min Scan# 199
Delta R.T. -0.018 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

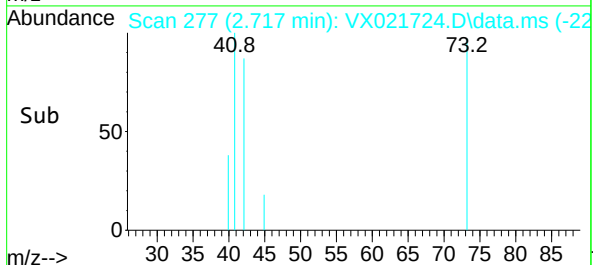
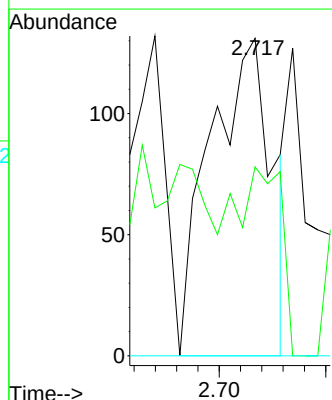
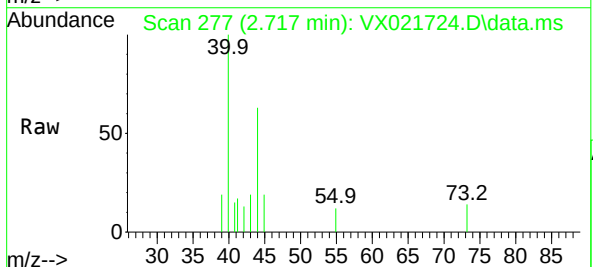
Instrument :
MSVOA_X
ClientSampled :
MW-4

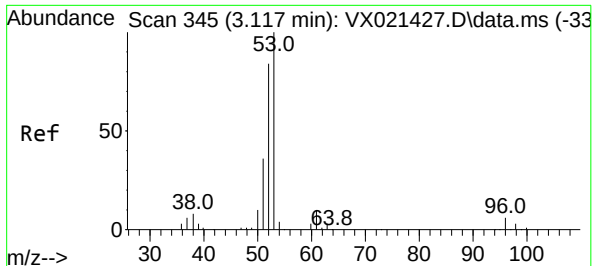
Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.21 ug/l
RT: 2.717 min Scan# 277
Delta R.T. 0.012 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 41 Resp: 265
Ion Ratio Lower Upper
41 100
39 29.8 51.6 77.4#
76 0.0 30.5 45.7#

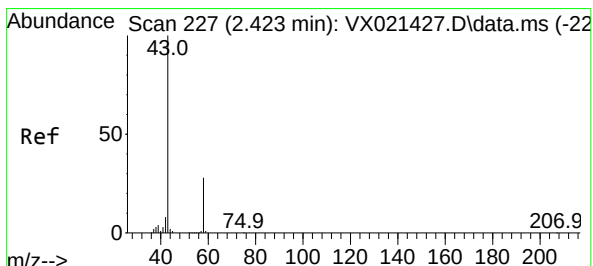
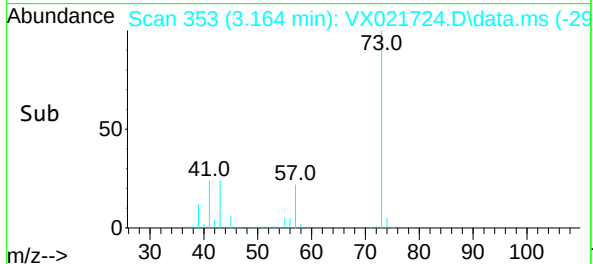
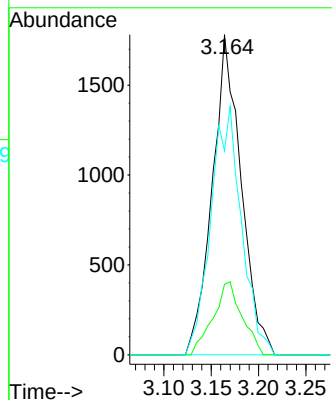
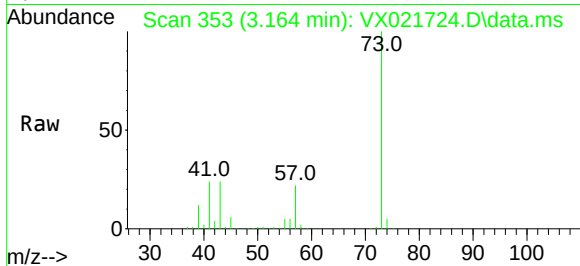




#15
Acrylonitrile
Concen: 9.56 ug/l
RT: 3.164 min Scan# 353
Delta R.T. 0.047 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

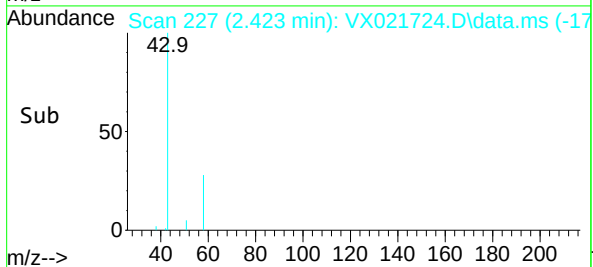
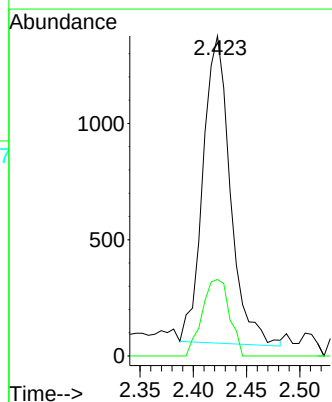
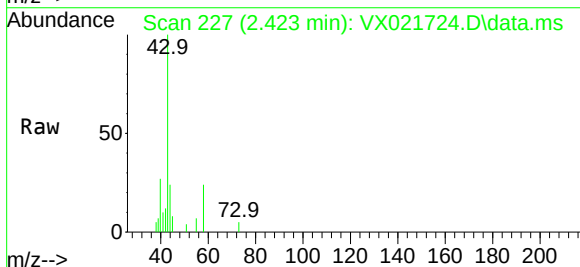
Instrument :
MSVOA_X
ClientSampleId :
MW-4

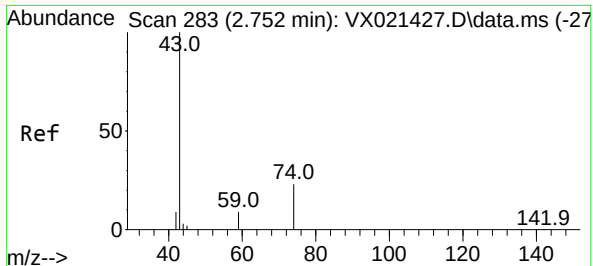
Tgt Ion: 53	Resp: 3772
Ion Ratio	Lower Upper
53 100	
52 22.9	65.3 97.9#
51 82.3	28.2 42.2#



#16
Acetone
Concen: 6.22 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 43	Resp: 2359		
Ion Ratio	Lower	Upper	
43 100			
58 25.1	27.8	41.8#	

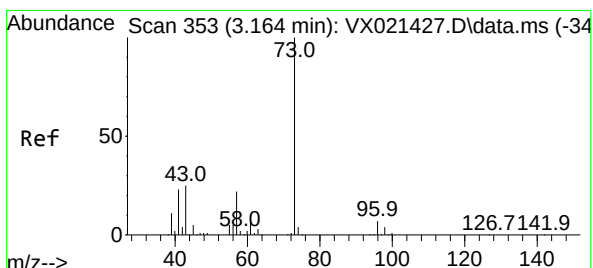
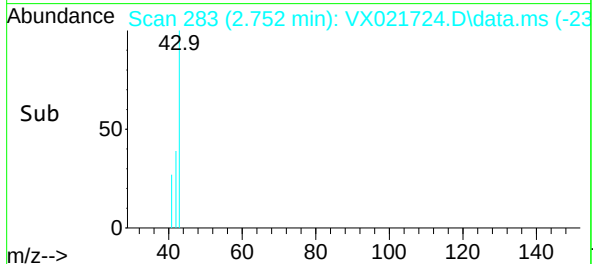
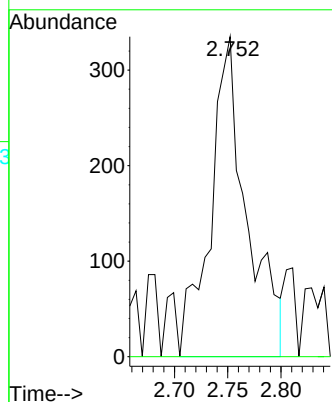
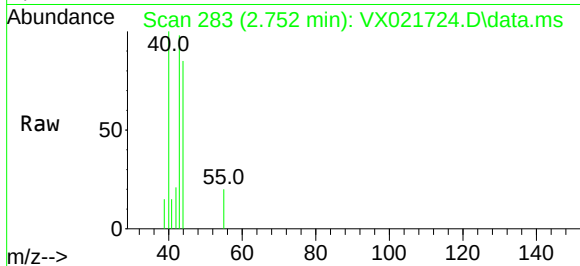




#18
Methyl Acetate
Concen: 0.72 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

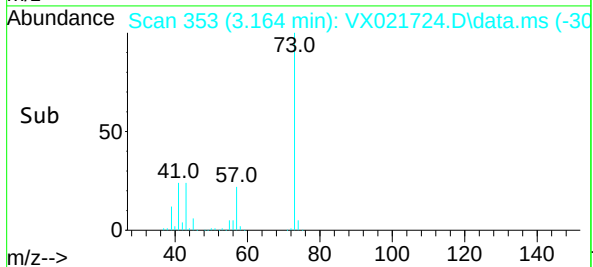
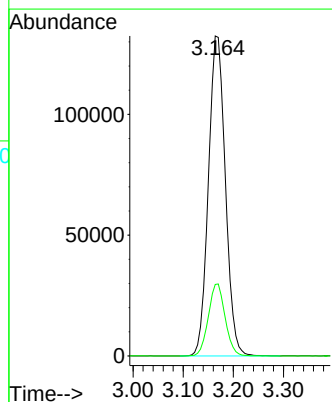
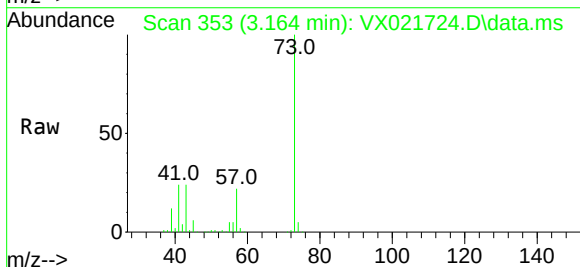
Instrument :
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ClientSampleId :
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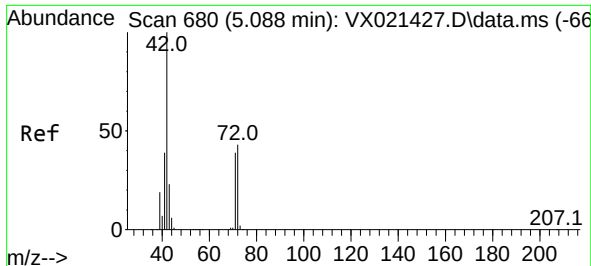
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 137.12 ug/l
RT: 3.164 min Scan# 353
Delta R.T. -0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 73 Resp: 311312
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7





#29

Tetrahydrofuran

Concen: 4.27 ug/l

RT: 5.094 min Scan# 681

Delta R.T. 0.006 min

Lab File: VX021724.D

Acq: 01 Apr 2021 21:21

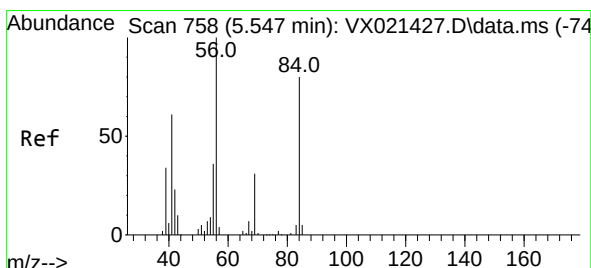
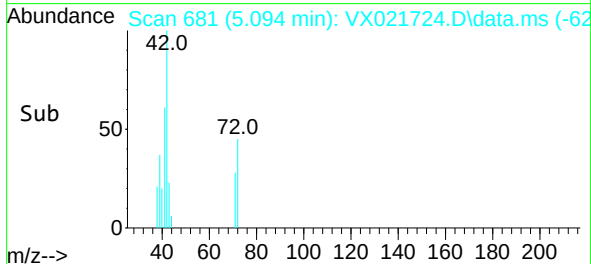
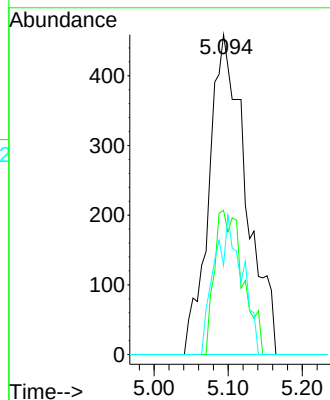
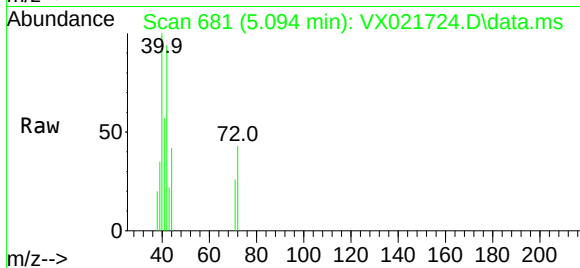
Instrument :

MSVOA_X

ClientSampled :

MW-4

Tgt Ion: 42	Resp: 1591
Ion Ratio	Lower Upper
42 100	
72 34.6	41.7 62.5#
71 32.3	38.4 57.6#



#31

Cyclohexane

Concen: 1.48 ug/l

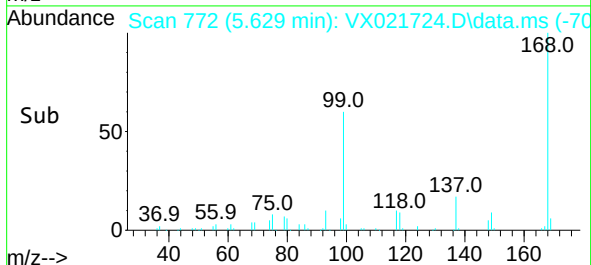
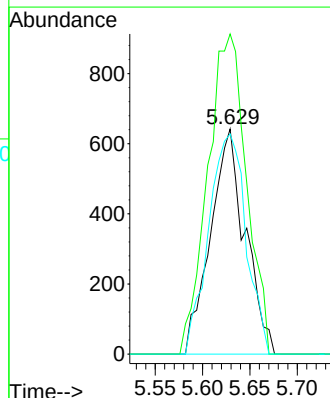
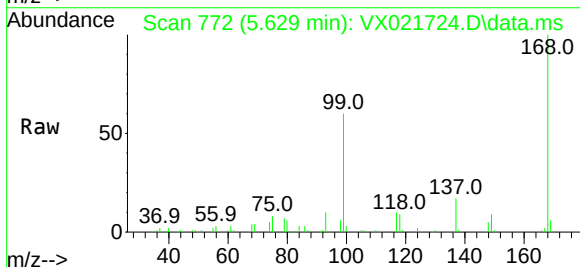
RT: 5.629 min Scan# 772

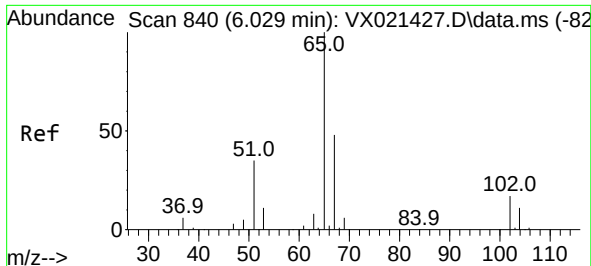
Delta R.T. 0.082 min

Lab File: VX021724.D

Acq: 01 Apr 2021 21:21

Tgt Ion: 56	Resp: 1635
Ion Ratio	Lower Upper
56 100	
69 142.2	25.3 37.9#
84 97.8	71.4 107.0

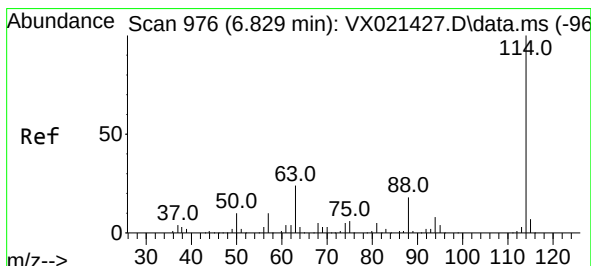
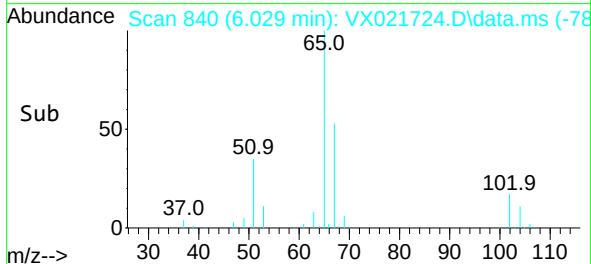
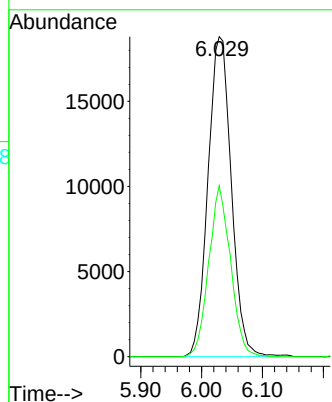
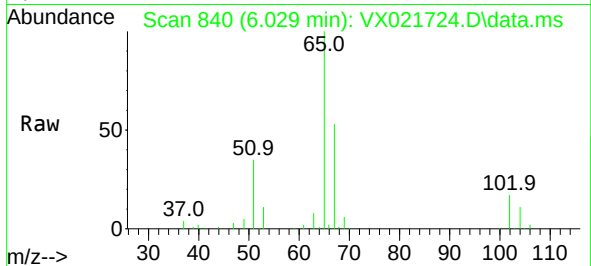




#33
 1,2-Dichloroethane-d4
 Concen: 49.88 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. 0.000 min
 Lab File: VX021724.D
 Acq: 01 Apr 2021 21:21

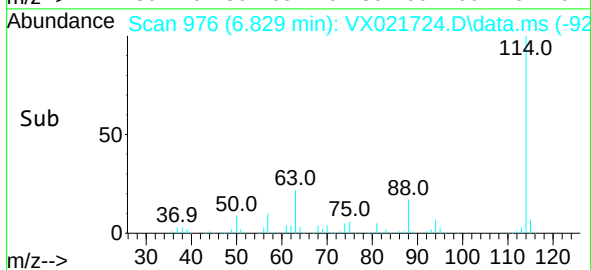
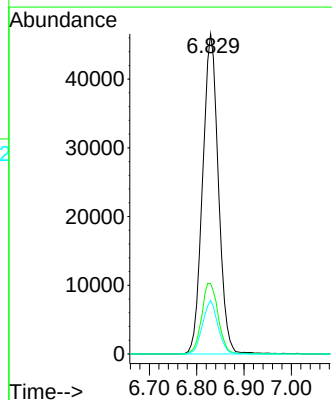
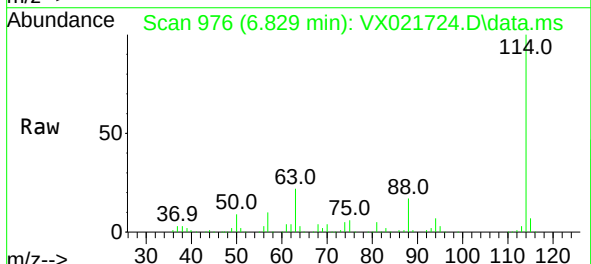
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

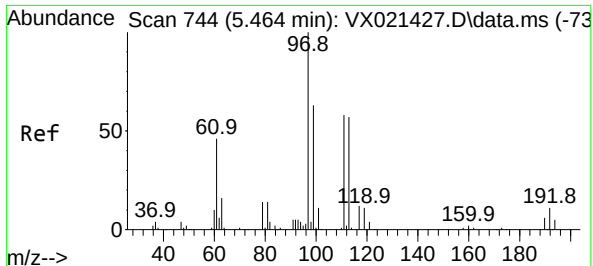
Tgt Ion: 65 Resp: 50063
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: VX021724.D
 Acq: 01 Apr 2021 21:21

Tgt Ion: 114 Resp: 107664
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.8
 88 16.7 0.0 32.8

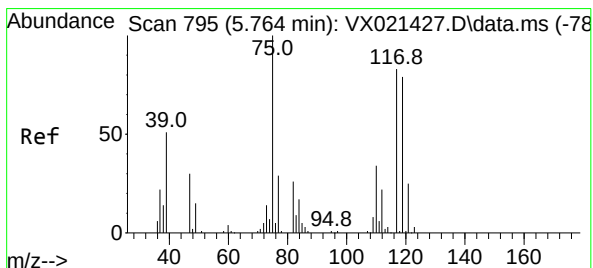
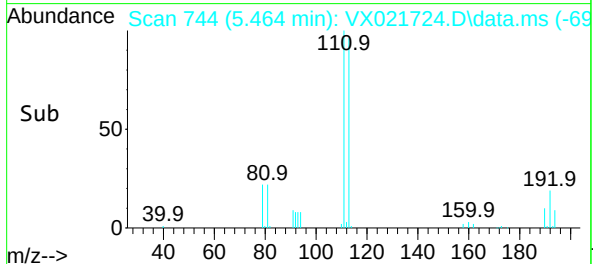
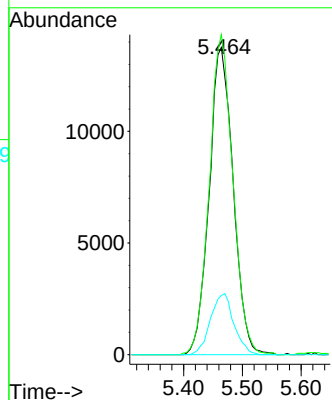
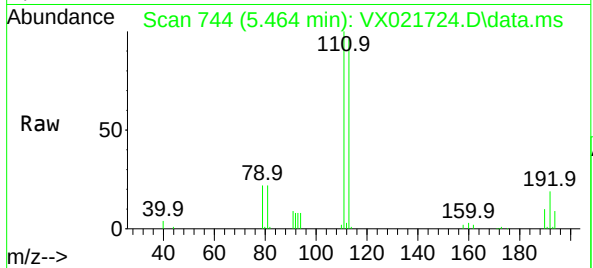




#35
Dibromofluoromethane
Concen: 51.10 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

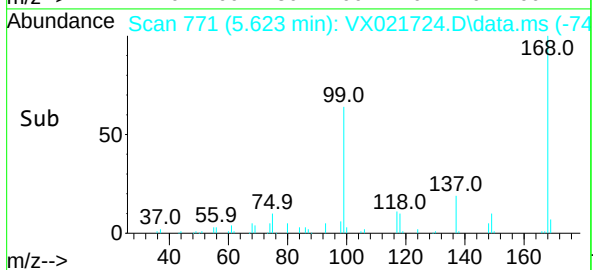
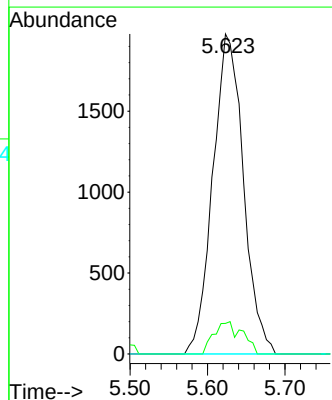
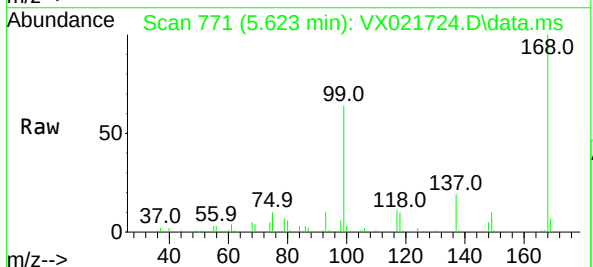
Instrument :
MSVOA_X
ClientSampled :
MW-4

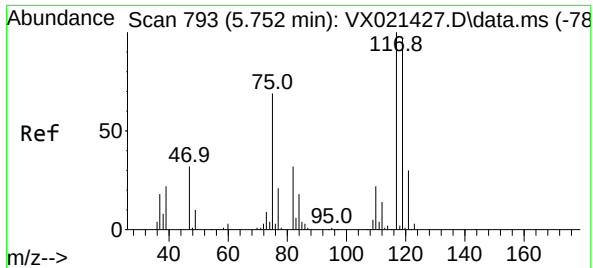
Tgt Ion:113 Resp: 39078
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

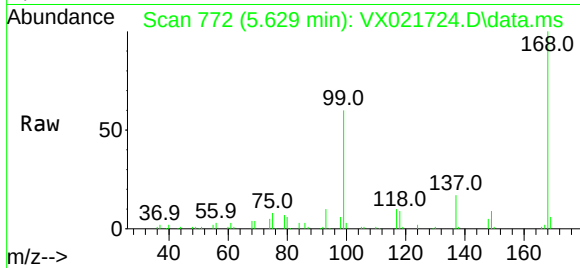
Tgt Ion: 75 Resp: 5424
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



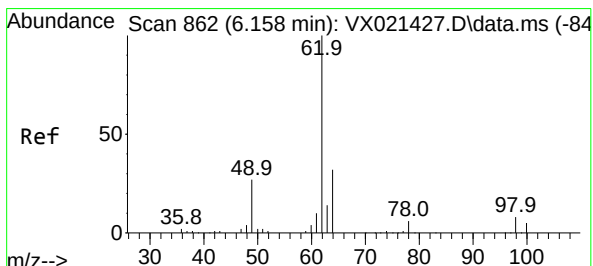
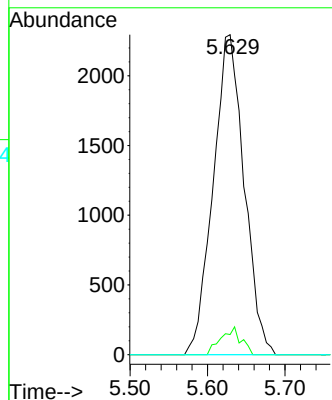
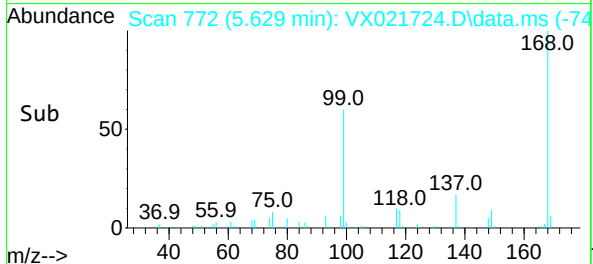


#38
Carbon Tetrachloride
Concen: 5.63 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

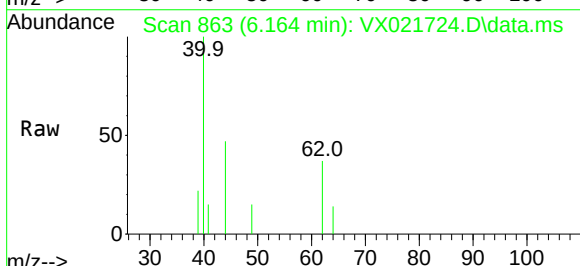
Instrument :
MSVOA_X
ClientSampleId :
MW-4



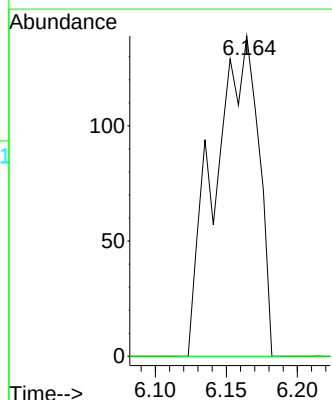
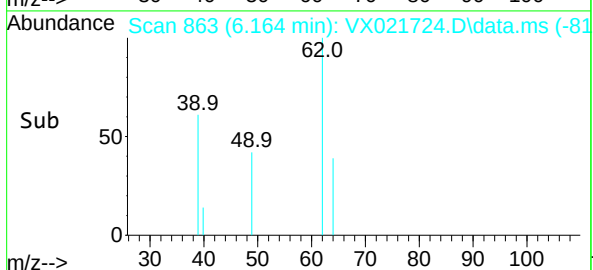
Tgt Ion: 117 Resp: 6383
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.8 37.2#

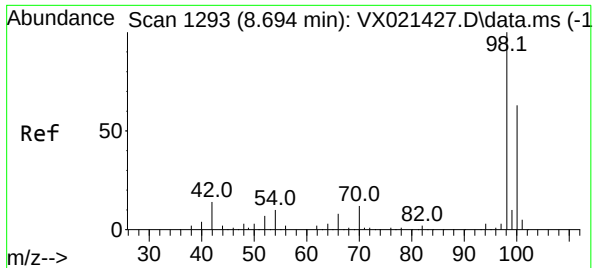


#42
1,2-Dichloroethane
Concen: 0.23 ug/l
RT: 6.164 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21



Tgt Ion: 62 Resp: 301
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

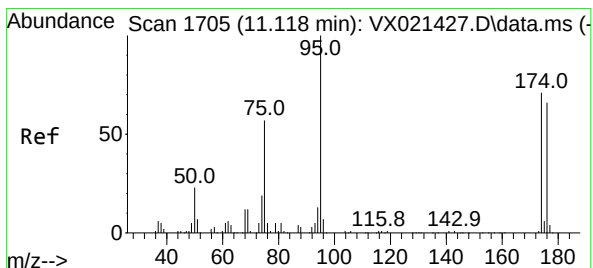
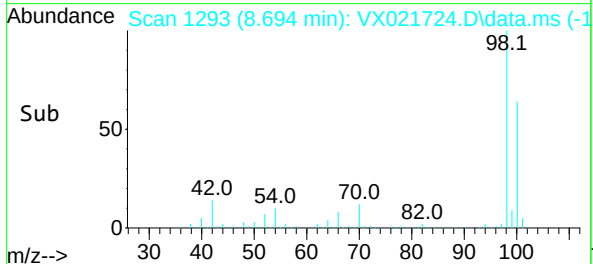
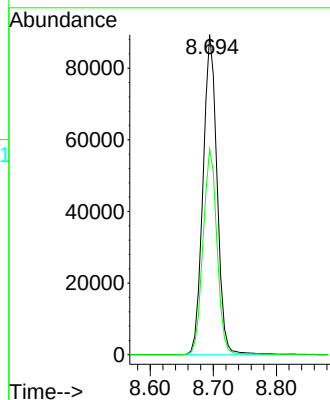
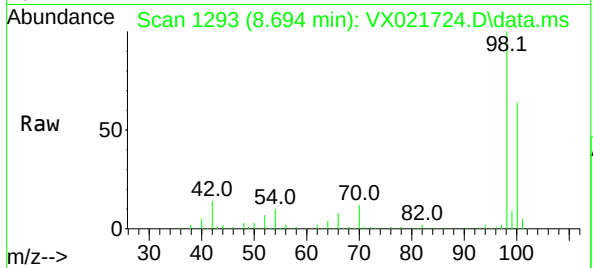




#50
Toluene-d8
Concen: 50.67 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

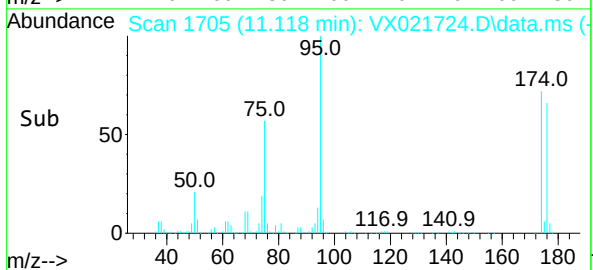
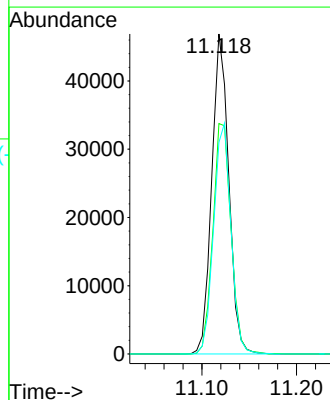
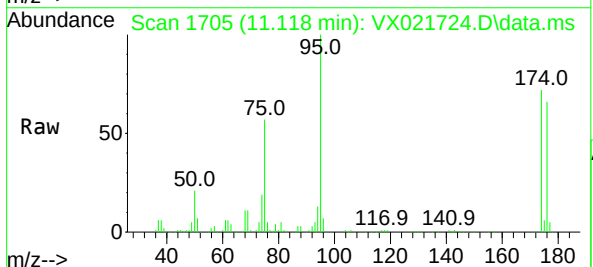
Instrument :
MSVOA_X
ClientSampled :
MW-4

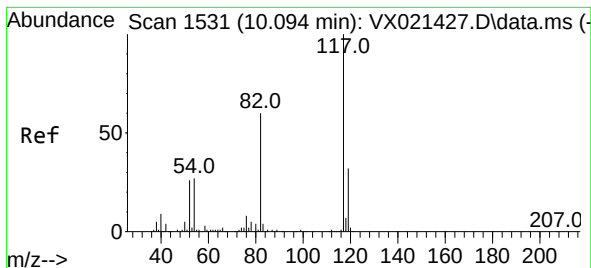
Tgt Ion: 98 Resp: 138076
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 55.00 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 95 Resp: 58271
Ion Ratio Lower Upper
95 100
174 76.8 0.0 154.6
176 73.6 0.0 155.8

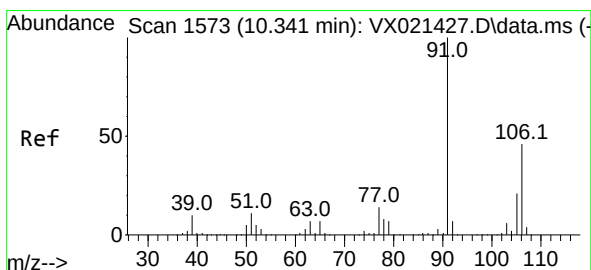
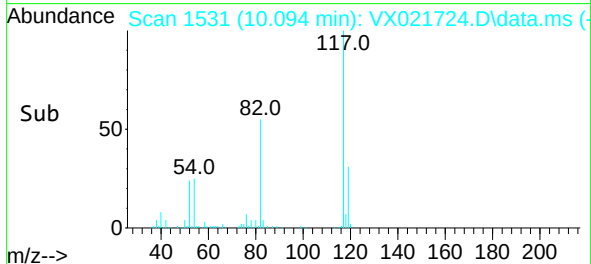
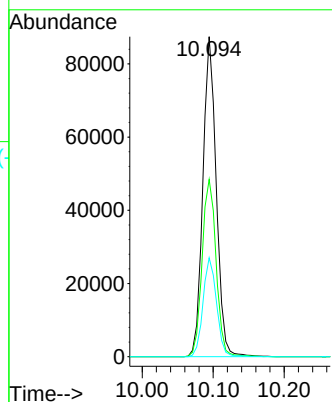
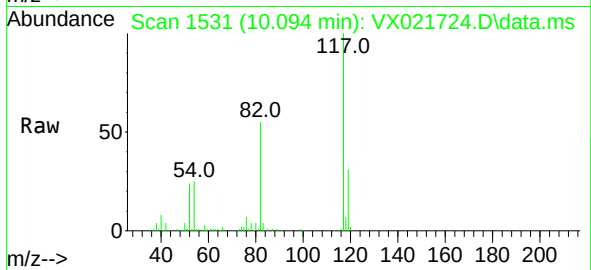




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

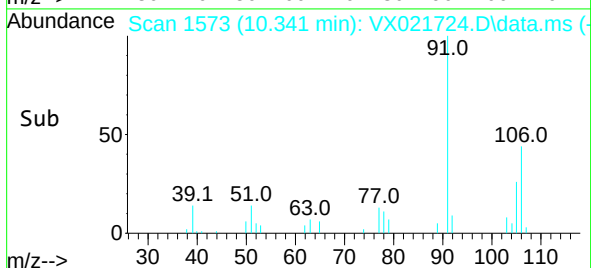
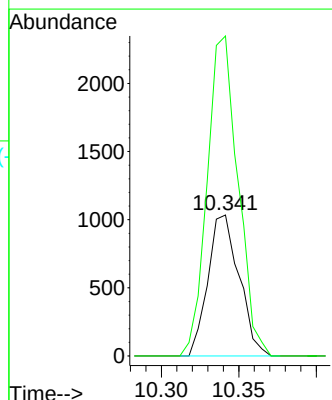
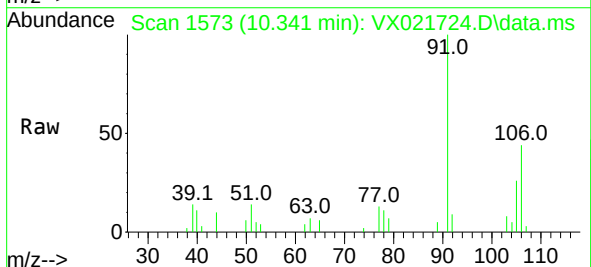
Instrument :
MSVOA_X
ClientSampleId :
MW-4

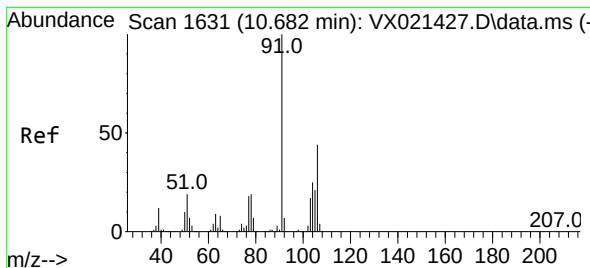
Tgt Ion:117 Resp: 114783
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 30.9 26.6 39.8



#68
m/p-Xylenes
Concen: 0.97 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion:106 Resp: 1450
Ion Ratio Lower Upper
106 100
91 224.3 162.8 244.2





#69

o-Xylene

Concen: 0.38 ug/l

RT: 10.683 min Scan# 1631

Delta R.T. 0.001 min

Lab File: VX021724.D

Acq: 01 Apr 2021 21:21

Tgt Ion:106 Resp: 546

Ion Ratio Lower Upper

106 100

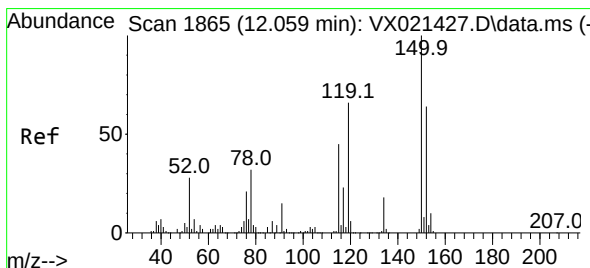
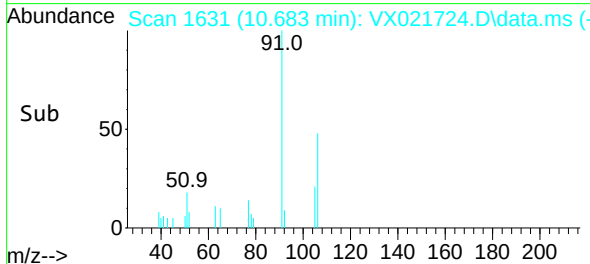
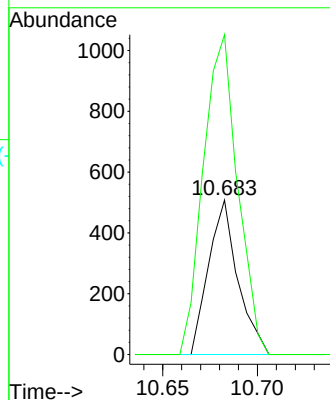
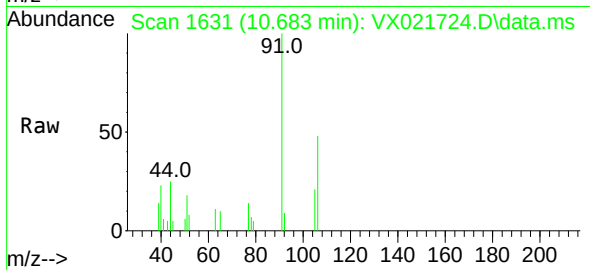
91 242.3 108.1 324.2

Instrument :

MSVOA_X

ClientSampled :

MW-4



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.059 min Scan# 1865

Delta R.T. 0.000 min

Lab File: VX021724.D

Acq: 01 Apr 2021 21:21

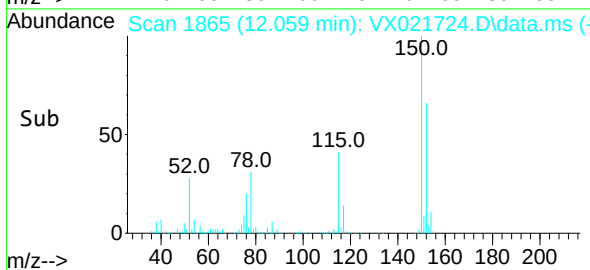
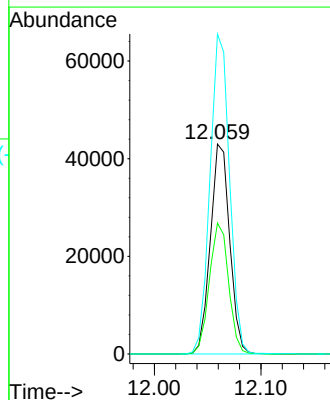
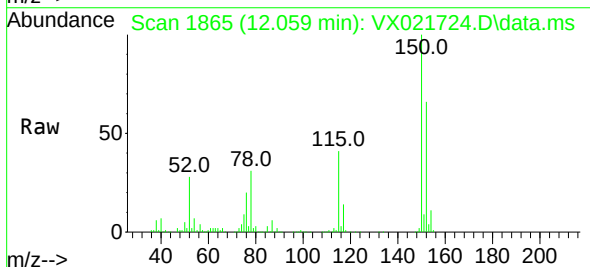
Tgt Ion:152 Resp: 54208

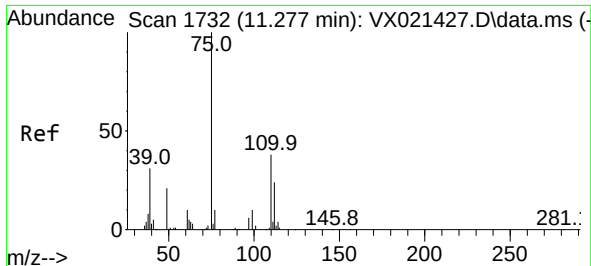
Ion Ratio Lower Upper

152 100

115 61.9 41.1 123.3

150 153.9 0.0 349.0

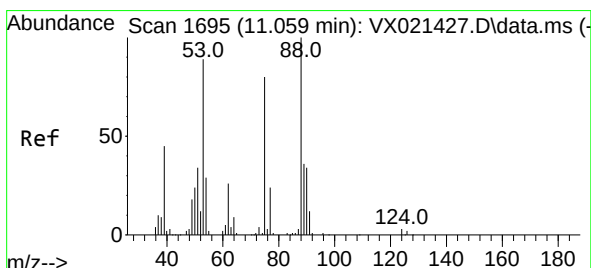
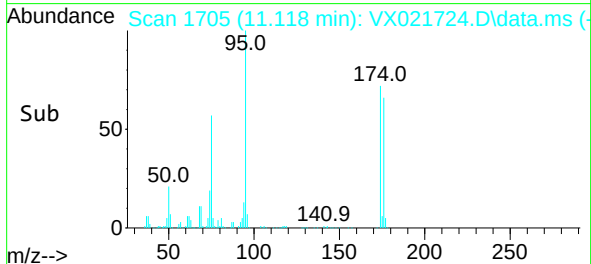
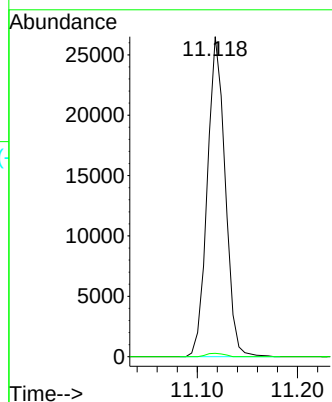
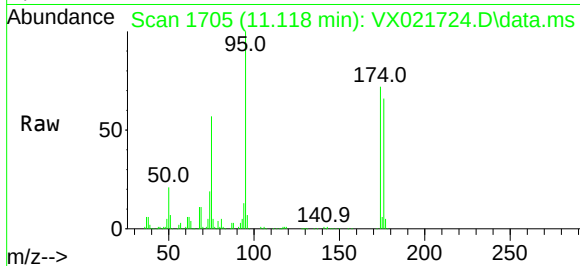




#76
1,2,3-Trichloropropane
Concen: 26.00 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

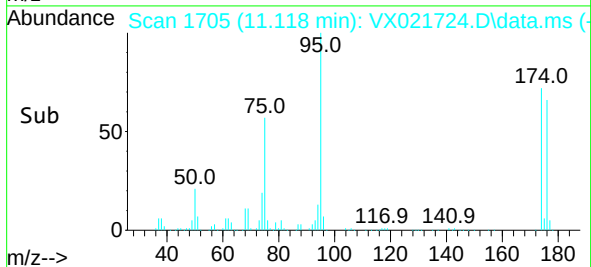
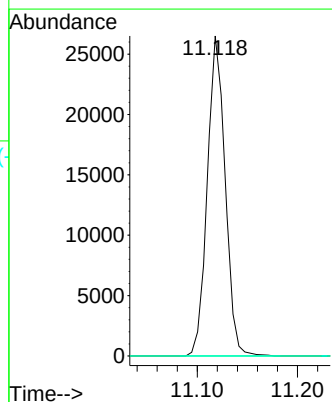
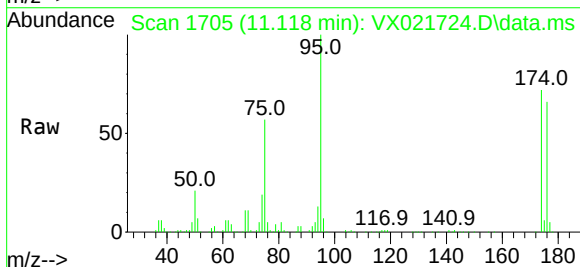
Instrument :
MSVOA_X
ClientSampled :
MW-4

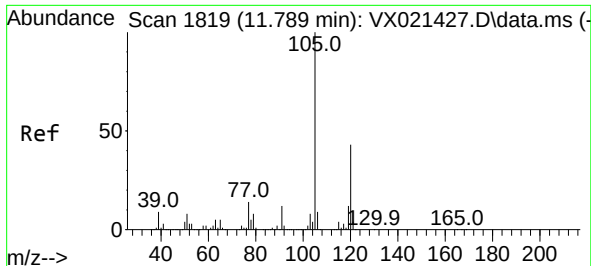
Tgt Ion: 75 Resp: 32813
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.20 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Tgt Ion: 75 Resp: 32813
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

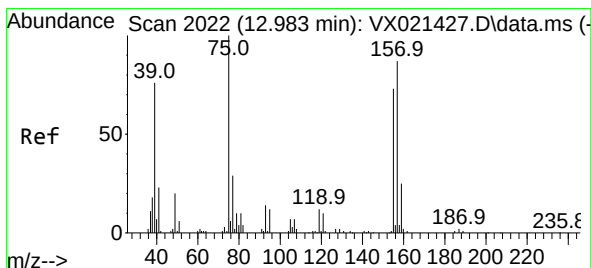
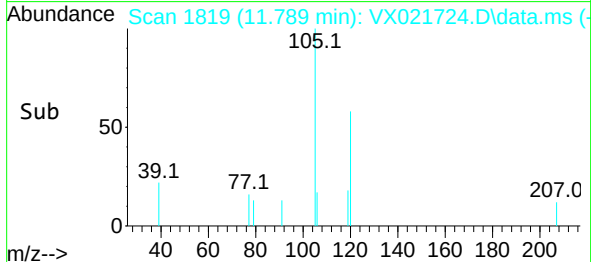
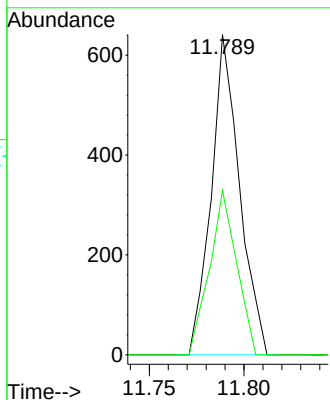
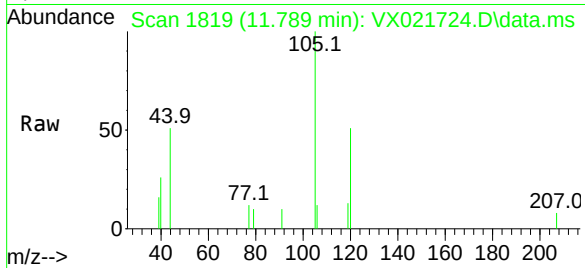




#84
1,2,4-Trimethylbenzene
Concen: 0.20 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

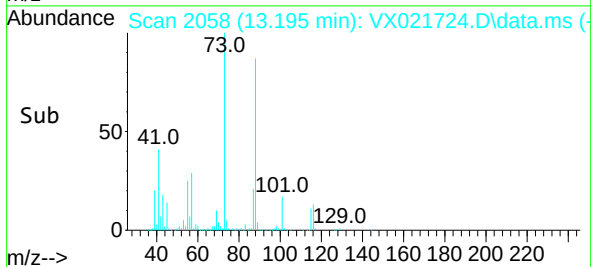
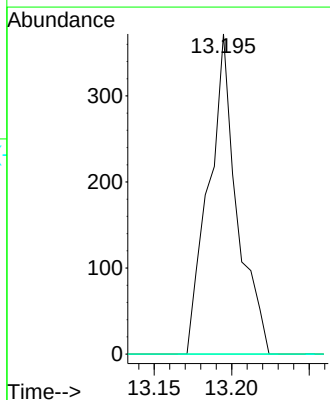
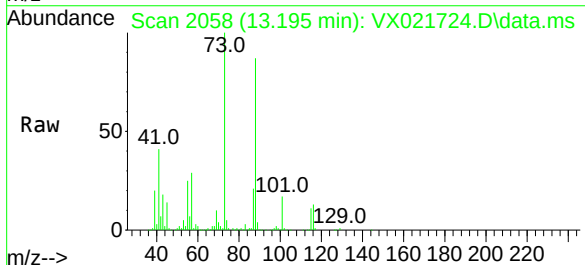
Instrument :
MSVOA_X
ClientSampled :
MW-4

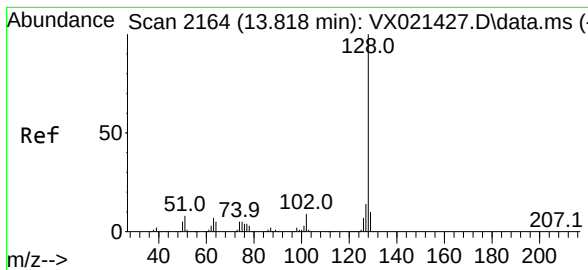
Tgt Ion:105 Resp: 665
Ion Ratio Lower Upper
105 100
120 49.3 22.4 67.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.30 ug/l
RT: 13.195 min Scan# 2058
Delta R.T. 0.212 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

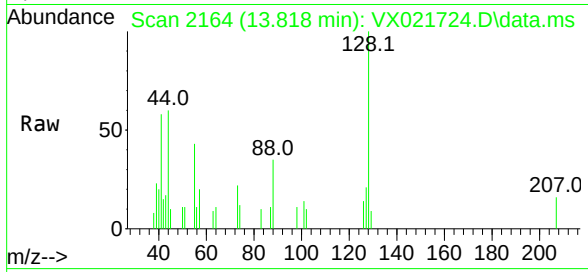
Tgt Ion: 75 Resp: 471
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 0.24 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021724.D
Acq: 01 Apr 2021 21:21

Instrument :
MSVOA_X
ClientSampleId :
MW-4



Tgt Ion:128 Resp: 844
Ion Ratio Lower Upper
128 100
127 14.9 10.3 15.5
129 4.9 8.8 13.2#

