

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070221\
 Data File : VX023124.D
 Acq On : 02 Jul 2021 21:50
 Operator : JC/MD
 Sample : M2898-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07-6.5-11.5-062921

Quant Time: Jul 05 02:59:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

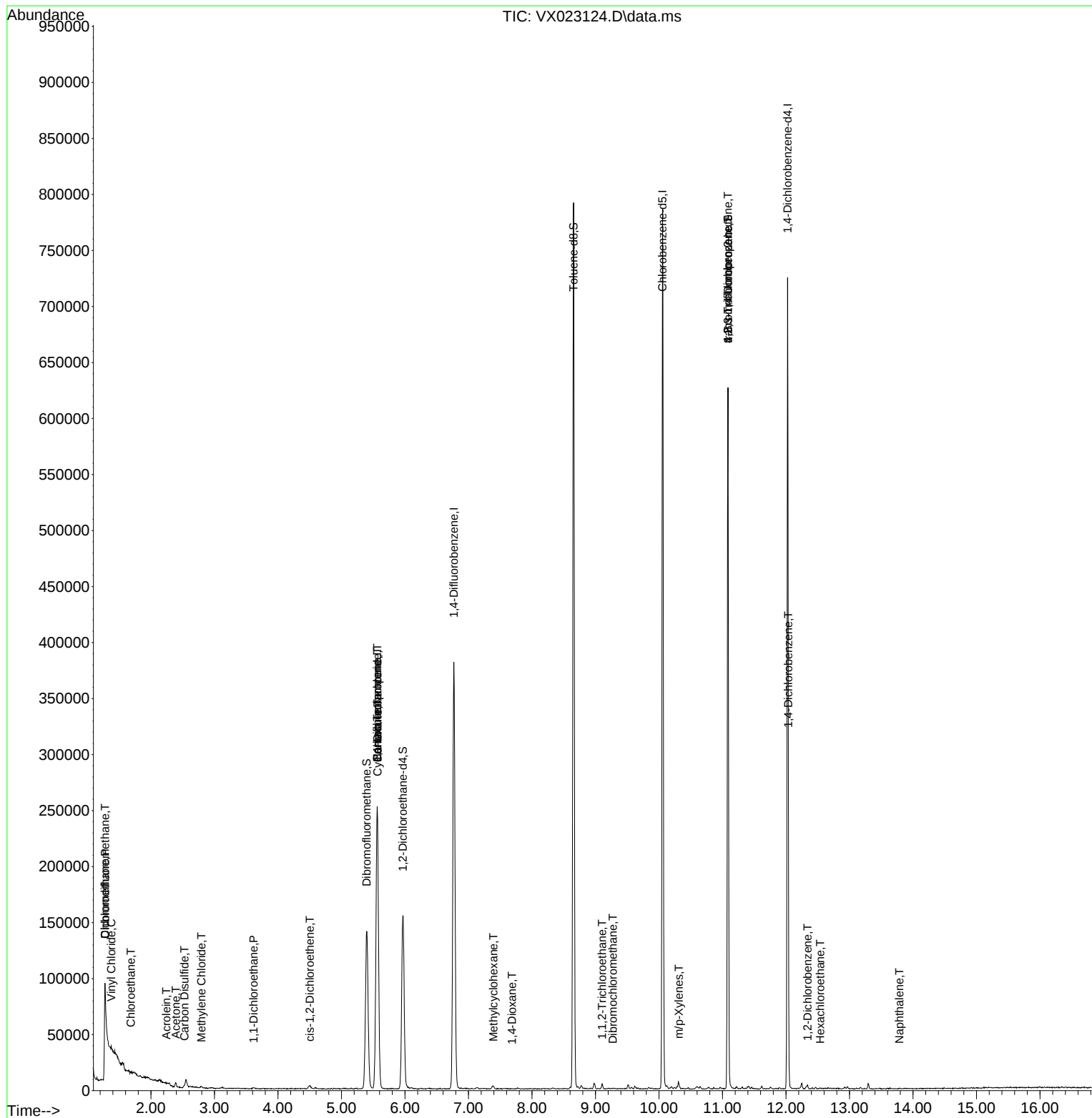
Internal Standards						
1) Pentafluorobenzene	5.562	168	229565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	380881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	343739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161266	52.268	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.540%		
35) Dibromofluoromethane	5.397	113	121625	49.450	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.900%		
50) Toluene-d8	8.653	98	455824	49.682	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.360%		
62) 4-Bromofluorobenzene	11.085	95	161664	45.642	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 91.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.276	85	1651	0.794	ug/l	95
3) Chloromethane	1.276	50	1381	0.671	ug/l #	42
4) Vinyl Chloride	1.374	62	1517	0.696	ug/l #	1
5) Bromomethane	1.612	94	804	Below Cal	#	65
6) Chloroethane	1.685	64	1693	1.188	ug/l #	53
13) Acrolein	2.240	56	300	0.694	ug/l	93
16) Acetone	2.392	43	4250	3.482	ug/l	92
17) Carbon Disulfide	2.526	76	2343	0.543	ug/l	96
20) Methylene Chloride	2.794	84	553	0.210	ug/l #	77
24) 1,1-Dichloroethane	3.617	63	973	0.230	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	1750	0.654	ug/l	94
31) Cyclohexane	5.568	56	5077	1.374	ug/l #	16
36) 1,1-Dichloropropene	5.562	75	18391	5.416	ug/l #	50
38) Carbon Tetrachloride	5.562	117	25125	7.089	ug/l #	16
39) Methylcyclohexane	7.391	83	1040	0.262	ug/l	97
49) 1,4-Dioxane	7.684	88	59	0.867	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	1264	0.472	ug/l #	15
60) Dibromochloromethane	9.275	129	45	3.127	ug/l #	11
68) m/p-Xylenes	10.311	106	1053	0.230	ug/l	78
76) 1,2,3-Trichloropropane	11.085	75	86551	30.713	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	86551	82.351	ug/l #	12
88) 1,4-Dichlorobenzene	12.037	146	1633	0.351	ug/l #	13
90) Hexachloroethane	12.536	117	45	3.024	ug/l #	9
91) 1,2-Dichlorobenzene	12.341	146	996	0.216	ug/l	92
95) Naphthalene	13.786	128	363	1.309	ug/l #	69

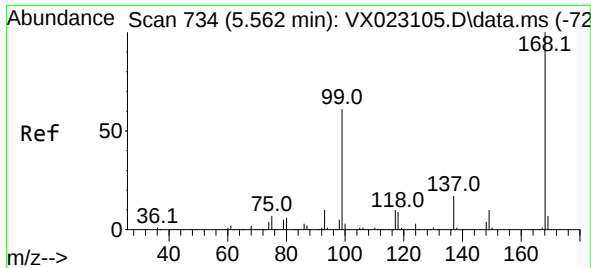
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

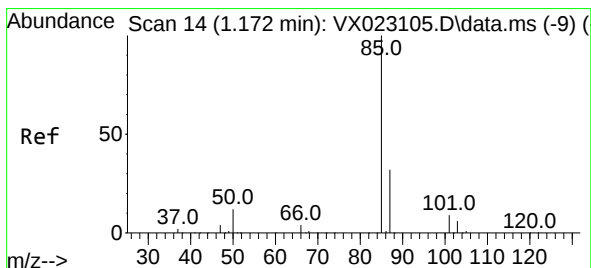
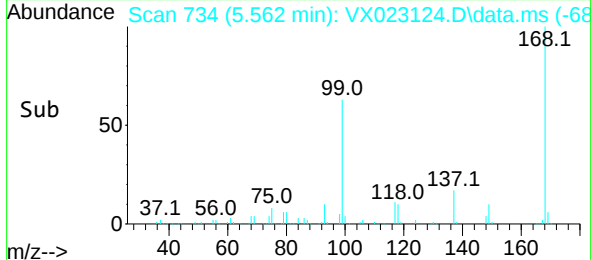
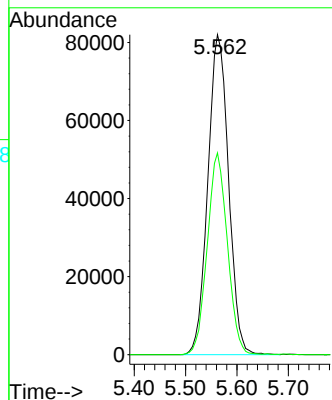
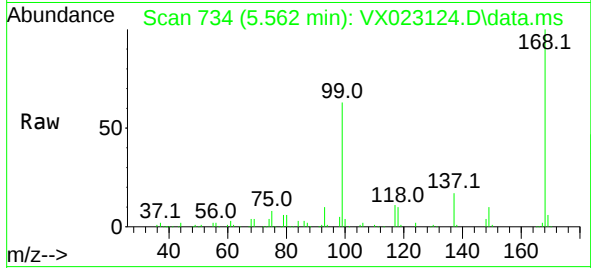




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

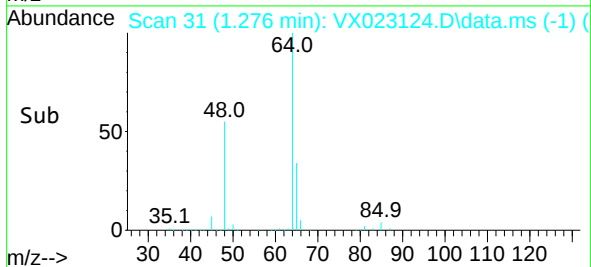
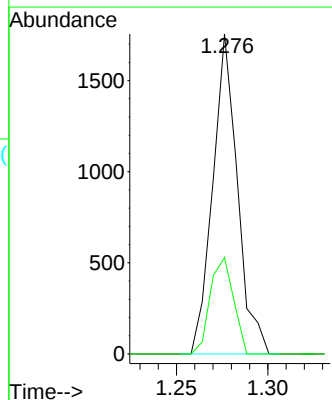
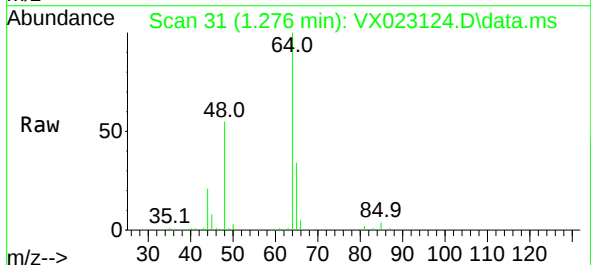
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

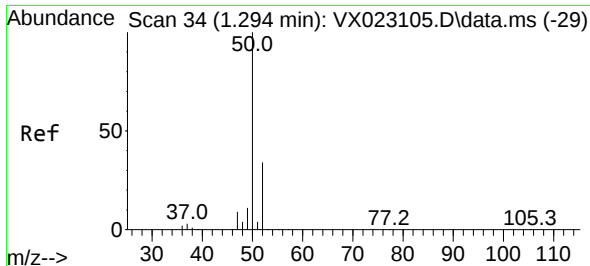
Tgt Ion:168 Resp: 229565
Ion Ratio Lower Upper
168 100
99 63.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.794 ug/l
RT: 1.276 min Scan# 31
Delta R.T. 0.104 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 85 Resp: 1651
Ion Ratio Lower Upper
85 100
87 30.1 16.4 49.2

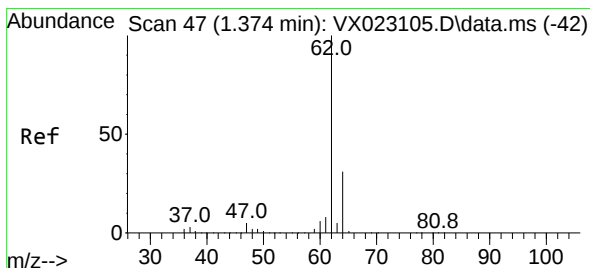
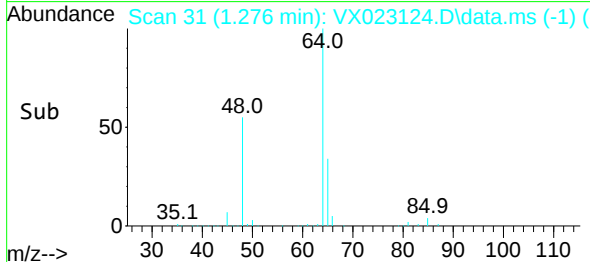
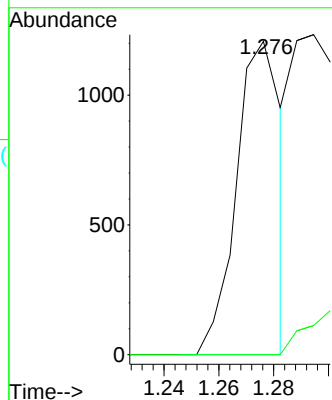
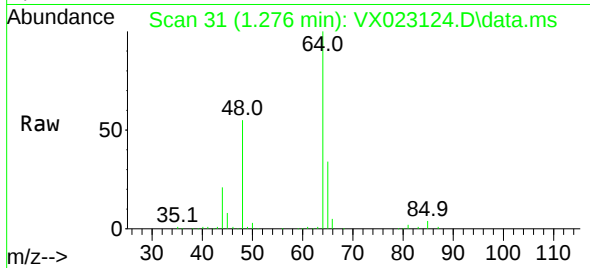




#3
Chloromethane
Concen: 0.671 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

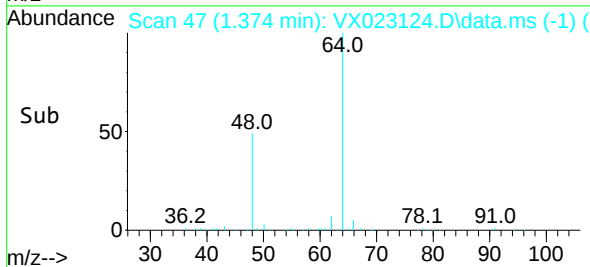
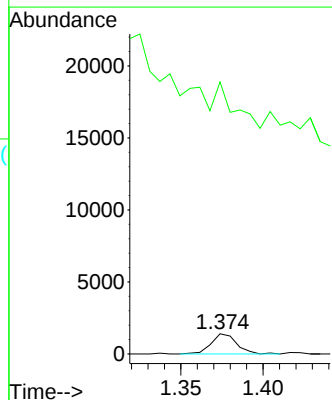
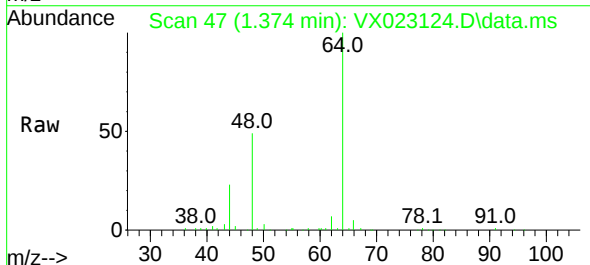
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

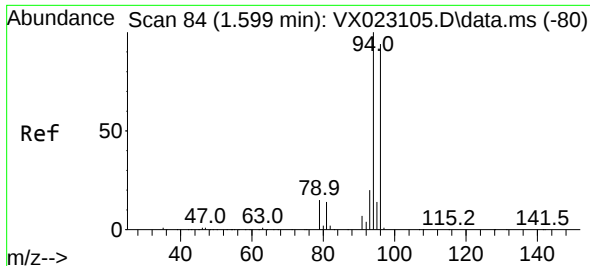
Tgt Ion: 50 Resp: 1381
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 0.696 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 62 Resp: 1517
Ion Ratio Lower Upper
62 100
64 214.8 25.7 38.5#

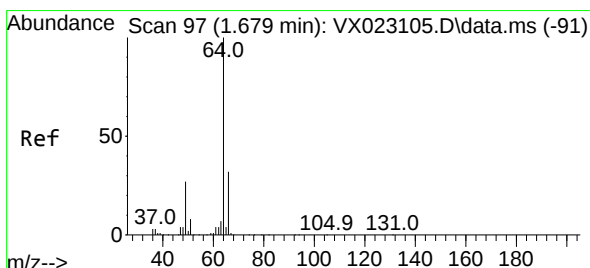
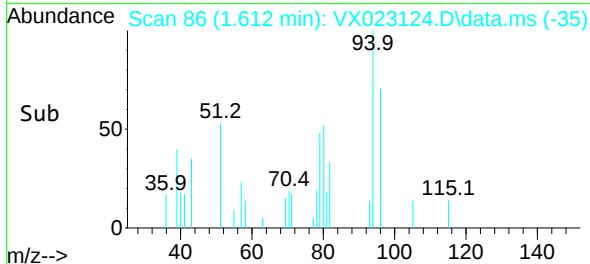
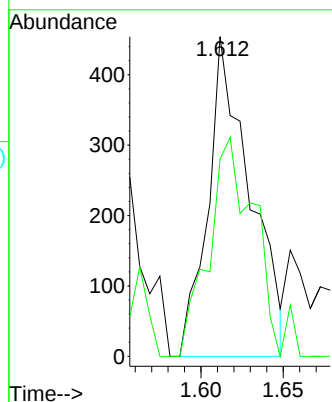
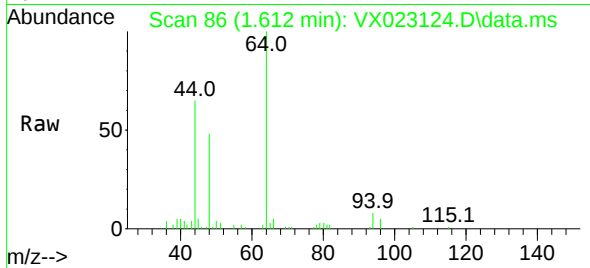




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

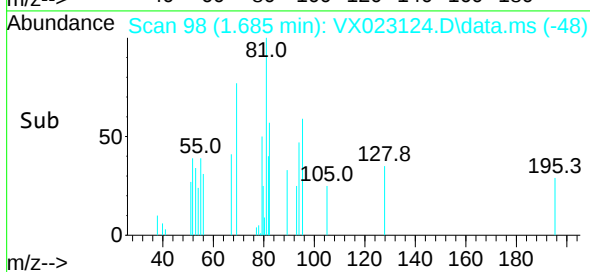
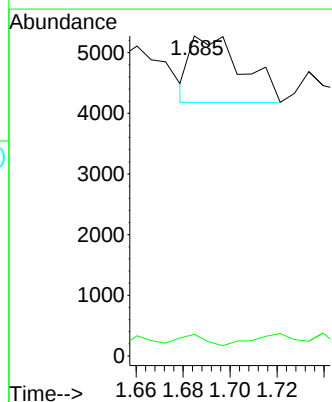
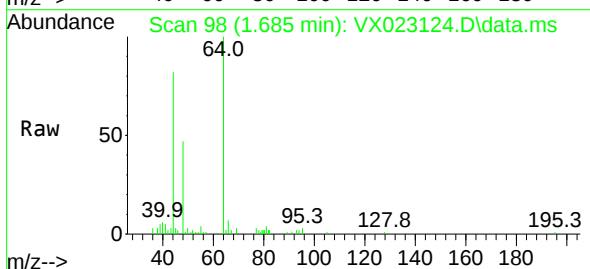
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

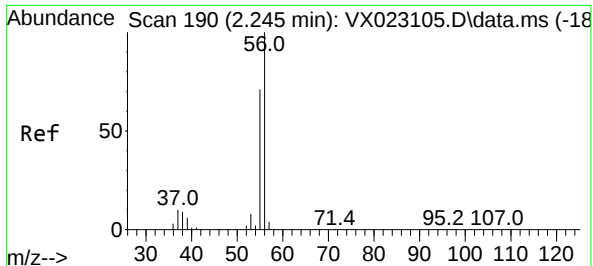
Tgt Ion: 94 Resp: 804
Ion Ratio Lower Upper
94 100
96 61.7 76.4 114.6#



#6
Chloroethane
Concen: 1.188 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 64 Resp: 1693
Ion Ratio Lower Upper
64 100
66 5.6 25.4 38.0#

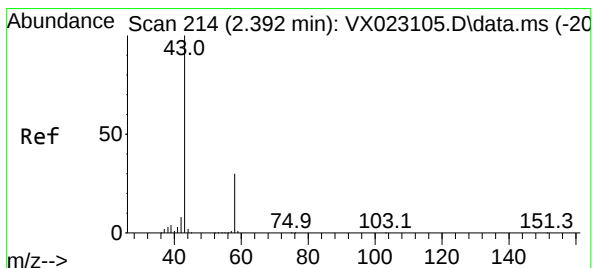
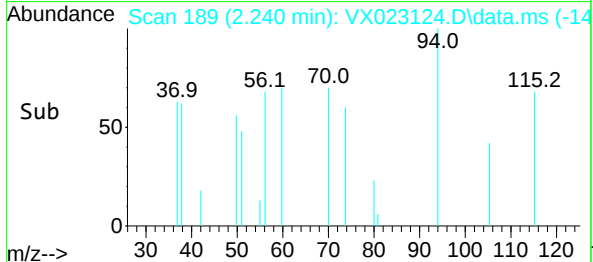
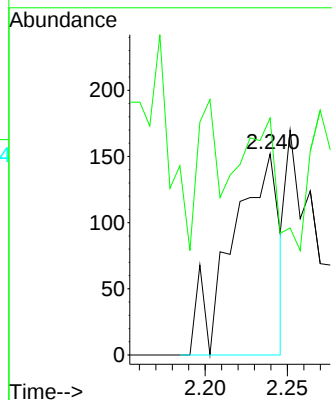
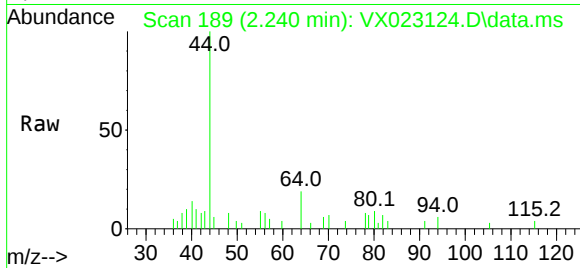




#13
Acrolein
Concen: 0.694 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

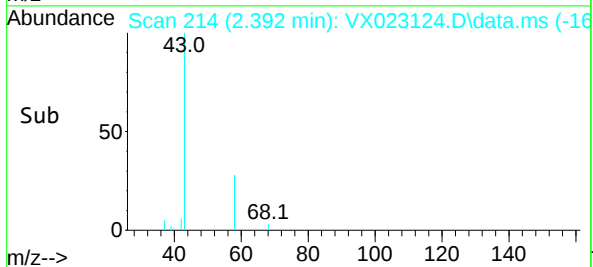
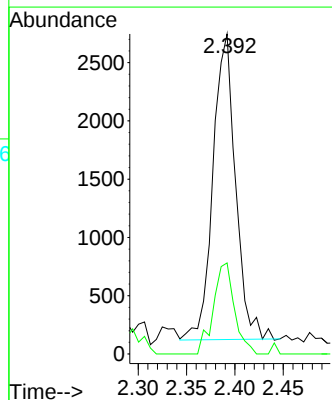
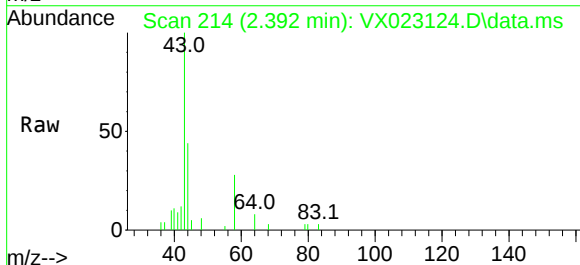
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

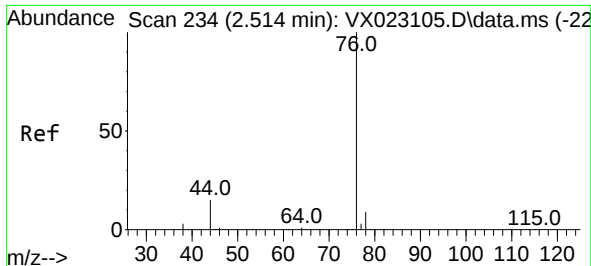
Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 64.3 56.4 84.6



#16
Acetone
Concen: 3.482 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 43 Resp: 4250
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8

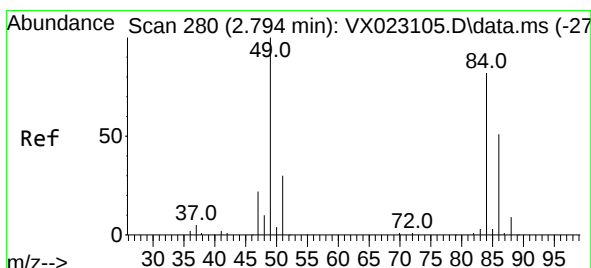
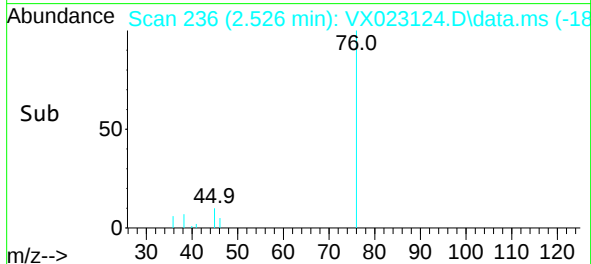
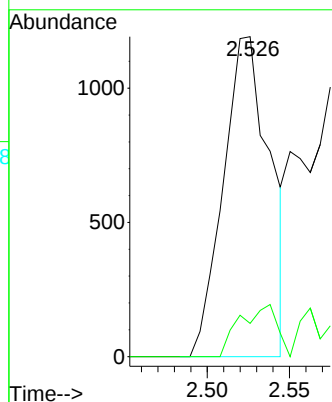
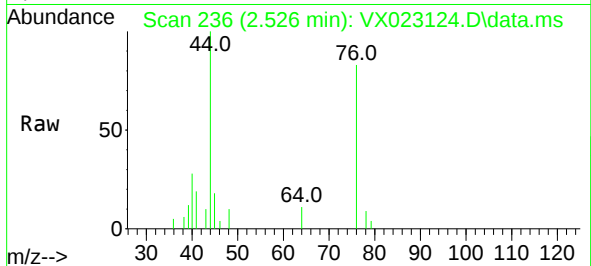




#17
Carbon Disulfide
Concen: 0.543 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

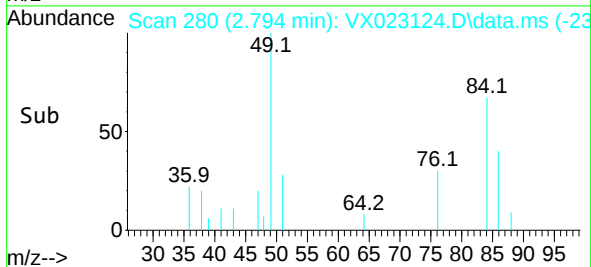
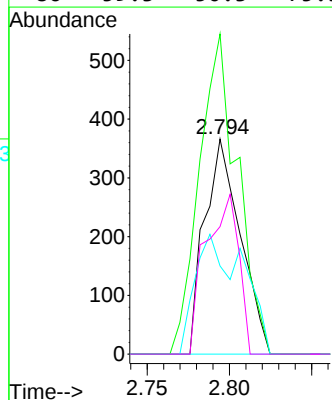
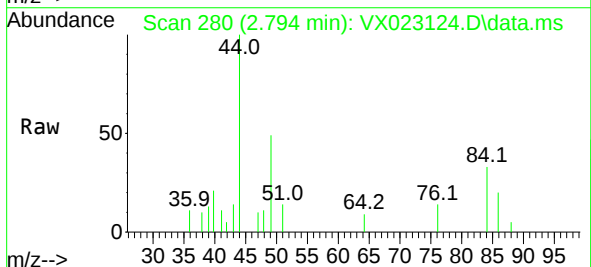
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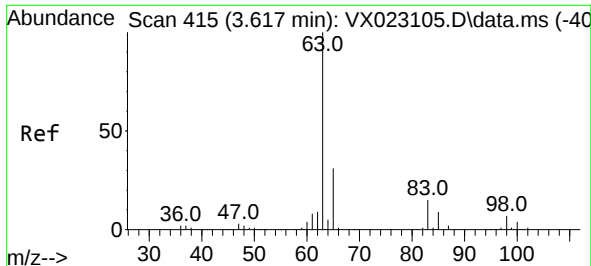
Tgt Ion: 76 Resp: 2343
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 84 Resp: 553
Ion Ratio Lower Upper
84 100
49 148.9 88.6 132.8#
51 41.0 27.0 40.6#
86 59.3 50.3 75.5

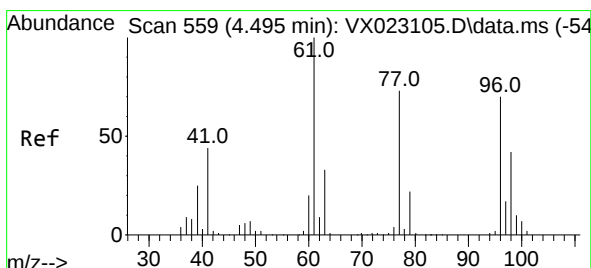
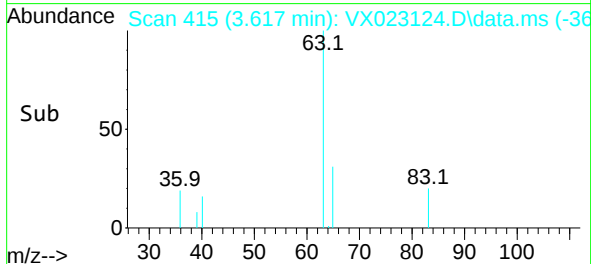
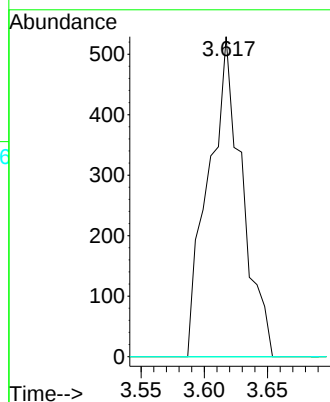
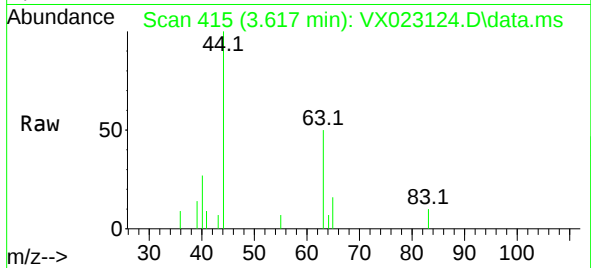




#24
1,1-Dichloroethane
Concen: 0.230 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

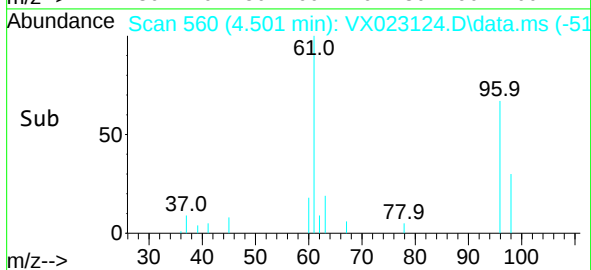
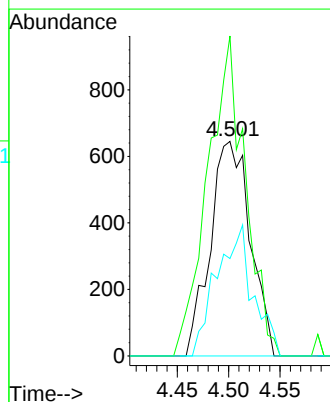
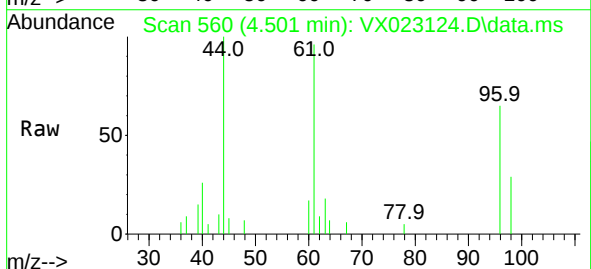
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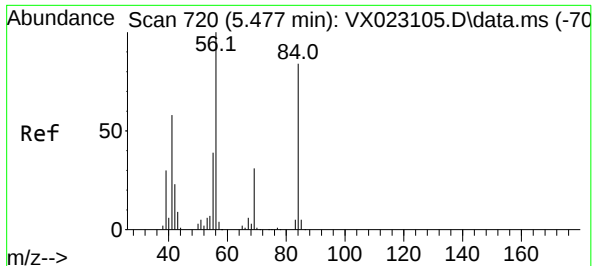
Tgt Ion: 63 Resp: 973
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.654 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

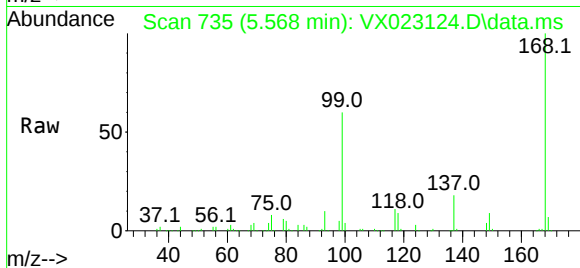
Tgt Ion: 96 Resp: 1750
Ion Ratio Lower Upper
96 100
61 139.6 0.0 285.6
98 55.2 0.0 129.6



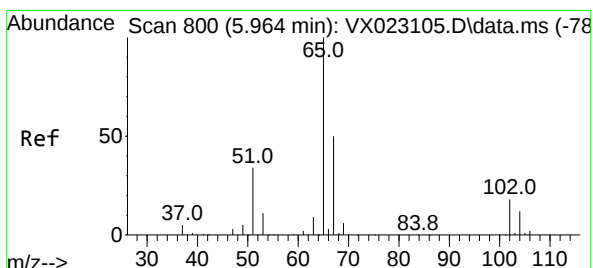
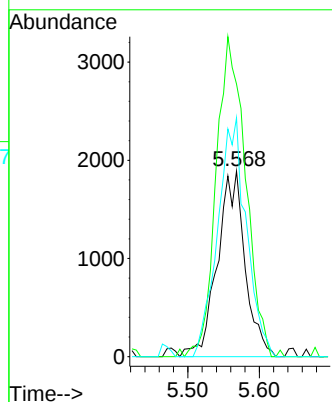
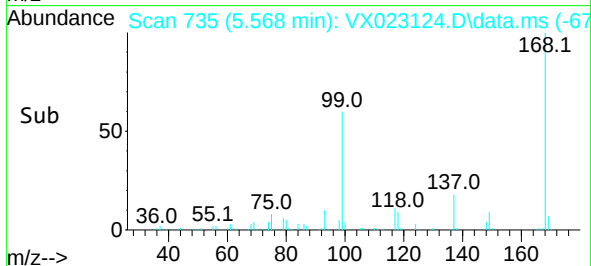


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

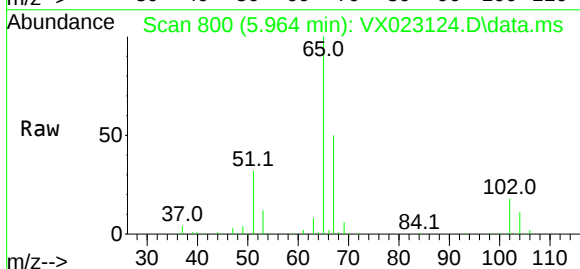
Instrument :
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ClientSampleId :
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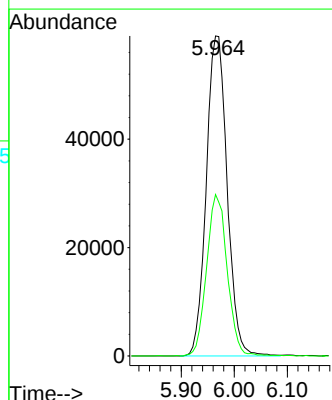
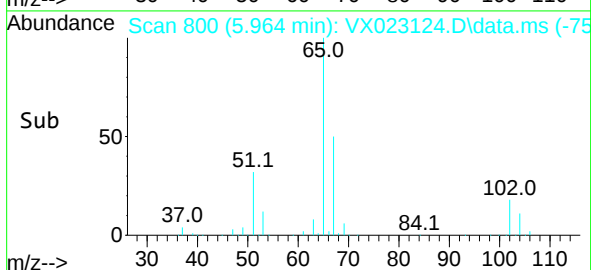
Tgt Ion: 56 Resp: 5077
Ion Ratio Lower Upper
56 100
69 143.4 25.3 37.9#
84 128.7 71.4 107.0#

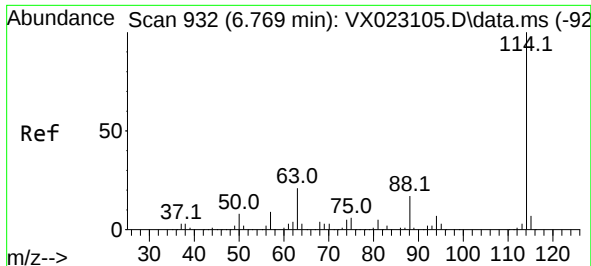


#33
1,2-Dichloroethane-d4
Concen: 52.268 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50



Tgt Ion: 65 Resp: 161266
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

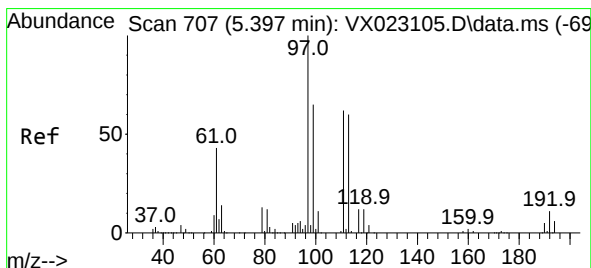
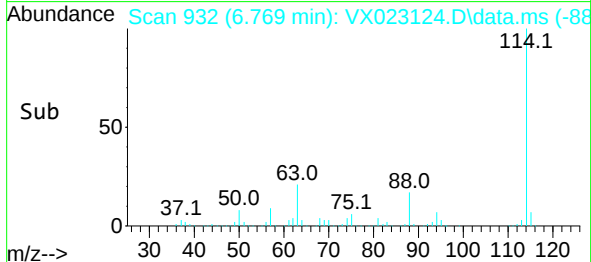
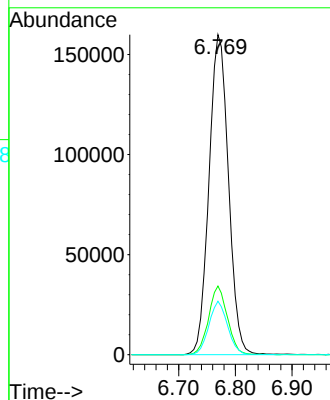
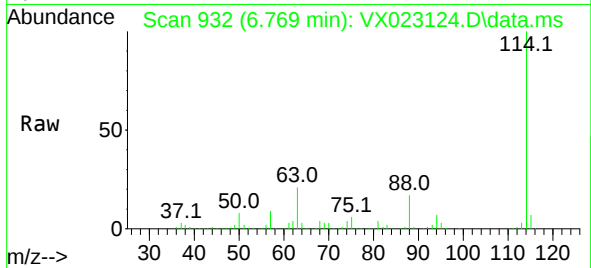




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

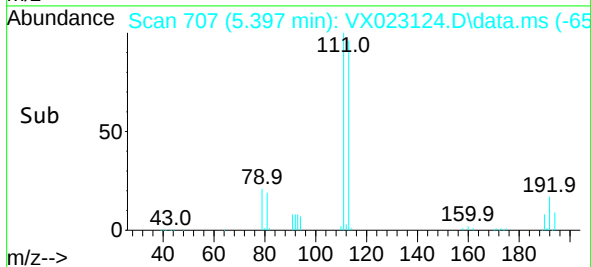
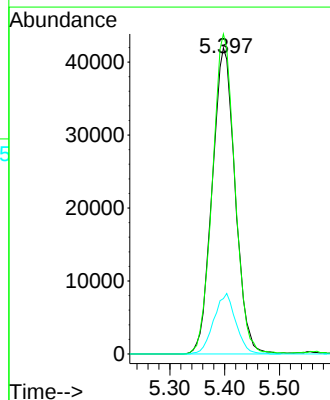
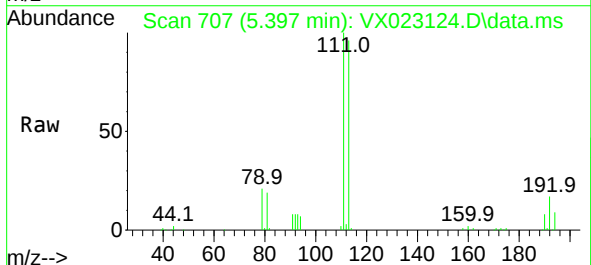
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

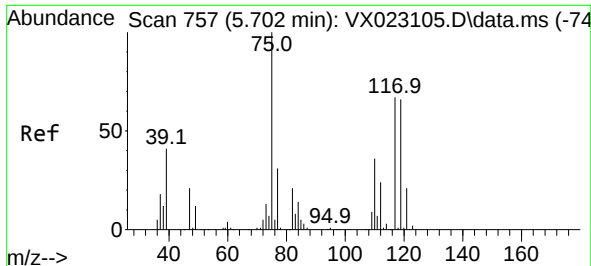
Tgt Ion:114 Resp: 380881
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.450 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion:113 Resp: 121625
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.416 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023124.D

Acq: 02 Jul 2021 21:50

Tgt Ion: 75 Resp: 18391

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

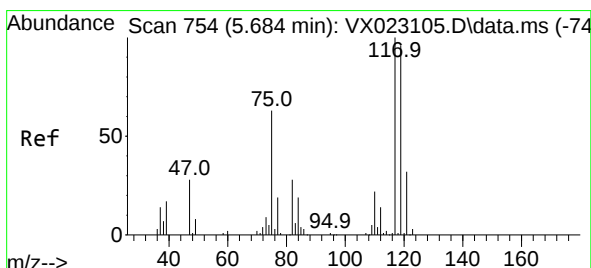
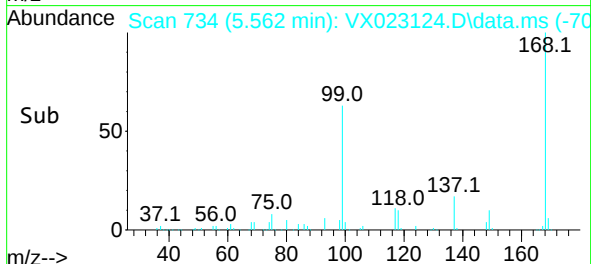
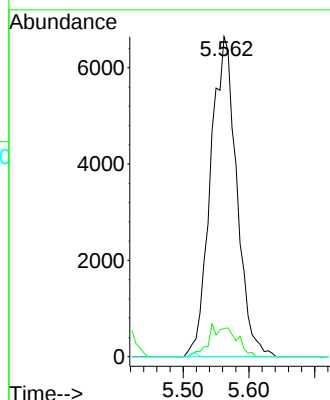
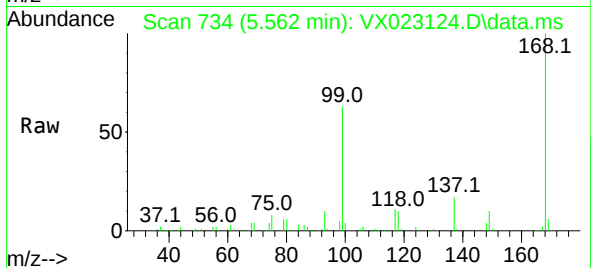
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

MW-07-6.5-11.5-062921



#38

Carbon Tetrachloride

Concen: 7.089 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023124.D

Acq: 02 Jul 2021 21:50

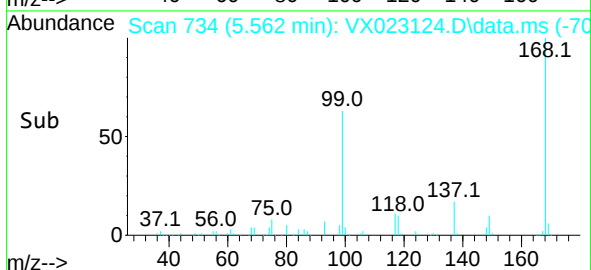
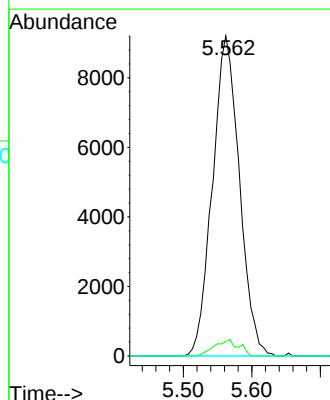
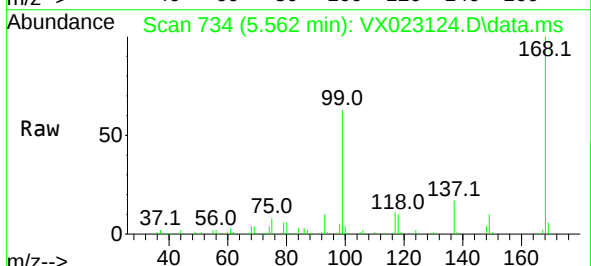
Tgt Ion: 117 Resp: 25125

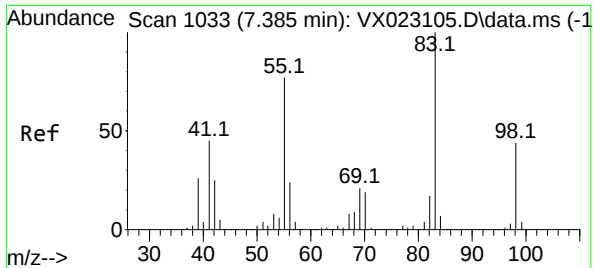
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 24.8 37.2#

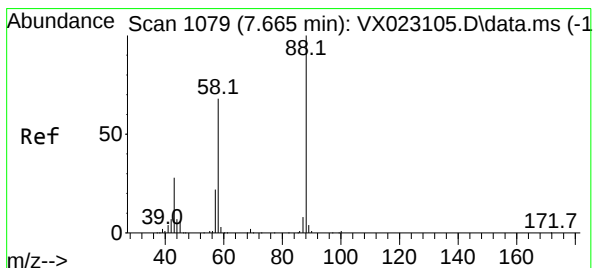
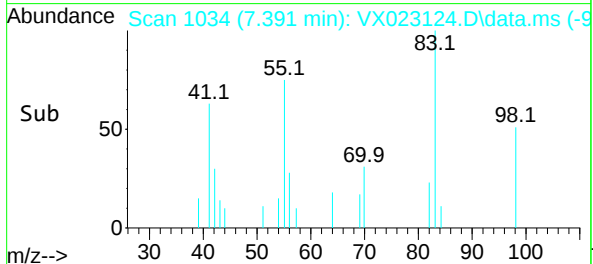
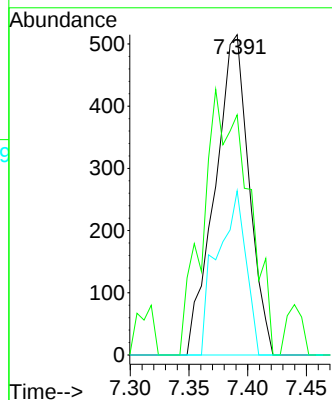
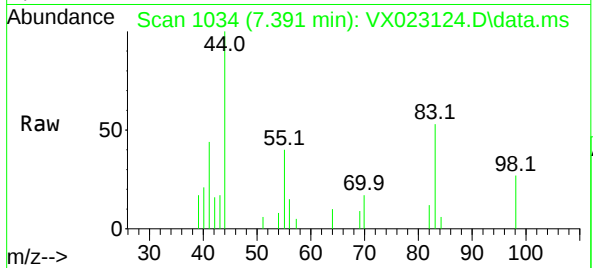




#39
Methylcyclohexane
Concen: 0.262 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

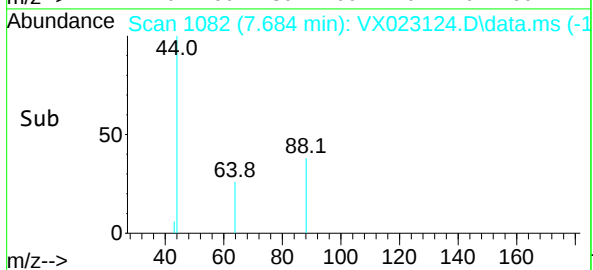
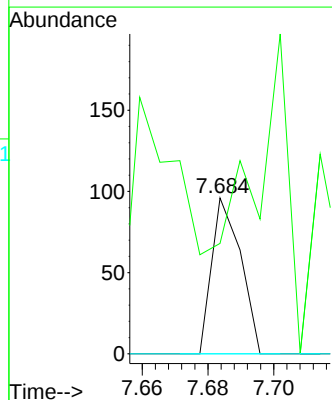
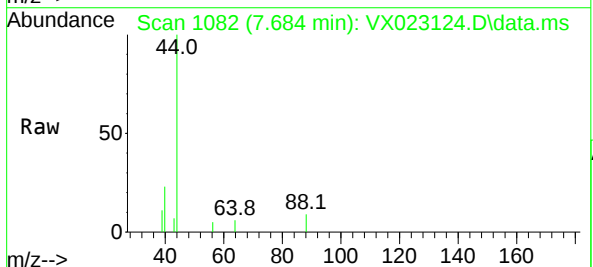
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

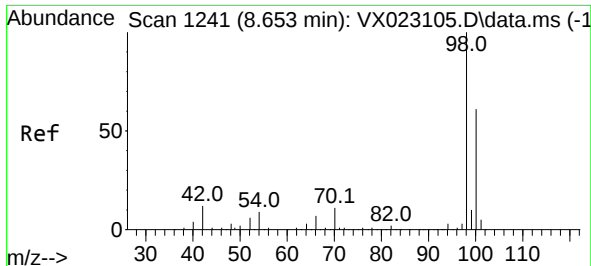
Tgt Ion: 83 Resp: 1040
Ion Ratio Lower Upper
83 100
55 75.0 58.9 88.3
98 51.3 38.1 57.1



#49
1,4-Dioxane
Concen: 0.867 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 247.5 23.2 34.8#
58 0.0 55.0 82.4#

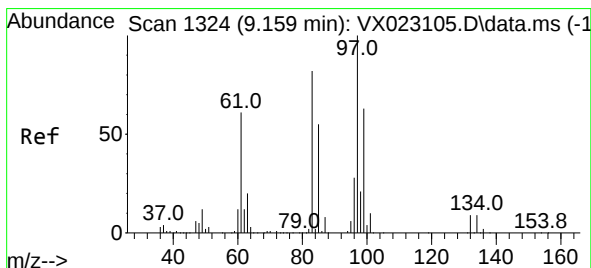
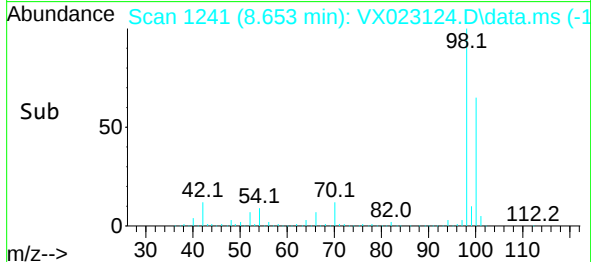
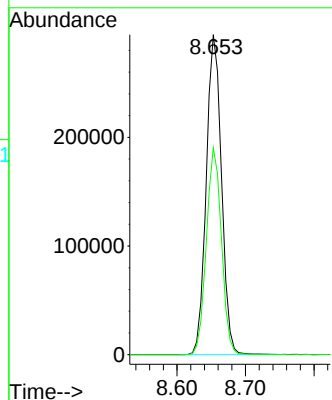
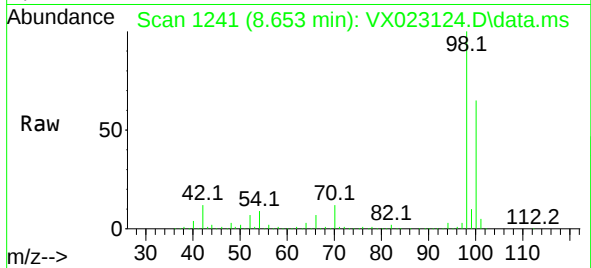




#50
Toluene-d8
Concen: 49.682 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

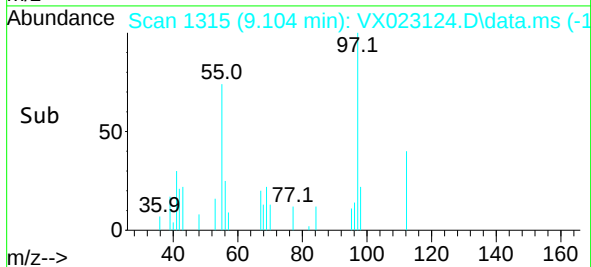
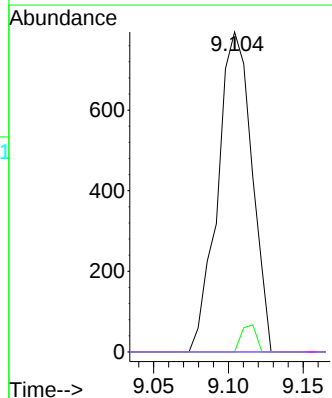
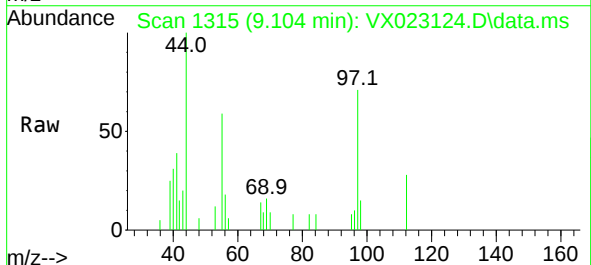
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

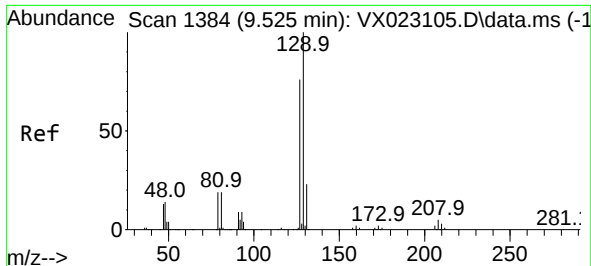
Tgt Ion: 98 Resp: 455824
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.472 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.055 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 97 Resp: 1264
Ion Ratio Lower Upper
97 100
83 0.0 69.3 103.9#
85 0.0 44.3 66.5#
99 0.0 50.3 75.5#

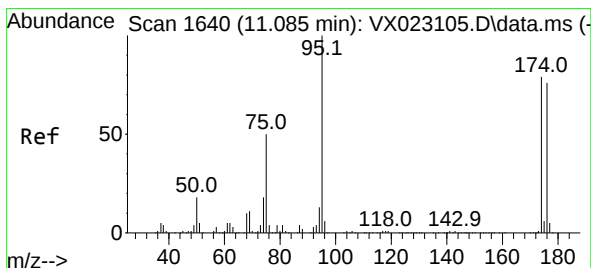
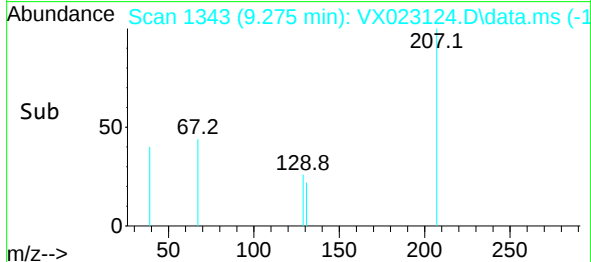
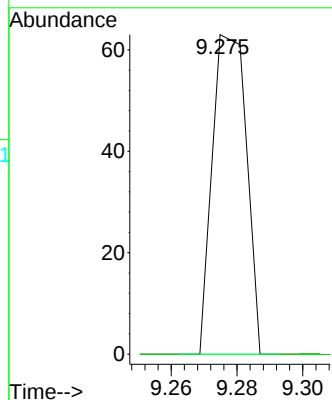
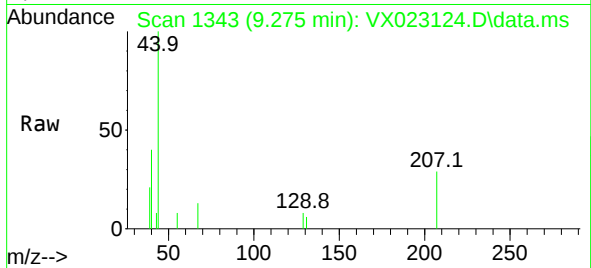




#60
Dibromochloromethane
Concen: 3.127 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

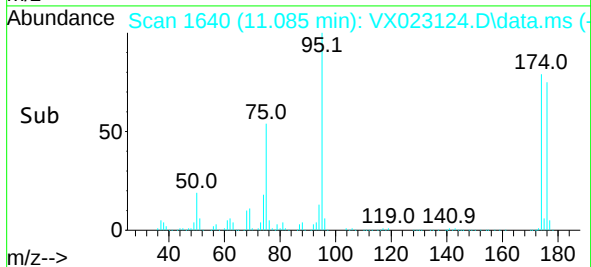
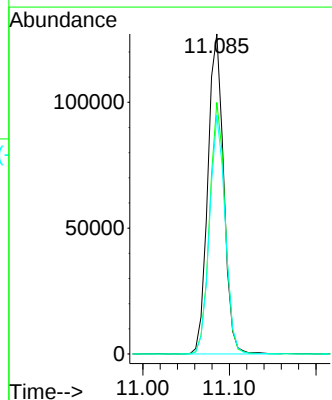
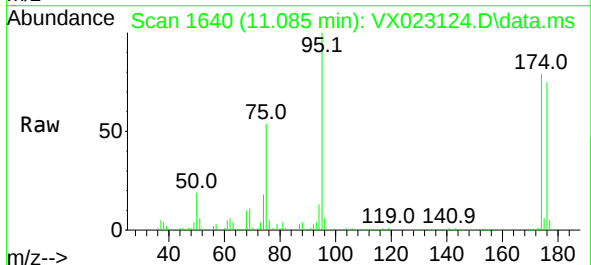
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

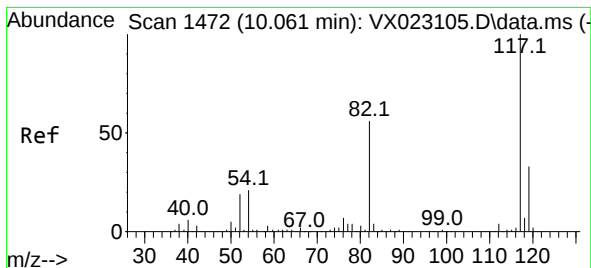
Tgt Ion:129 Resp: 45
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.642 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 95 Resp: 161664
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 73.4 0.0 155.8

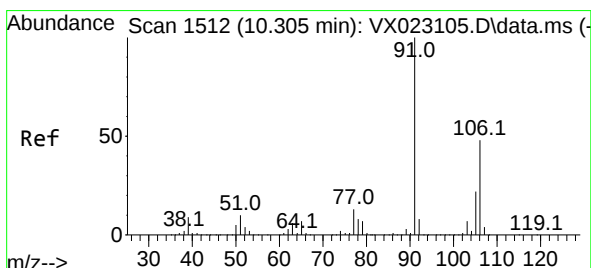
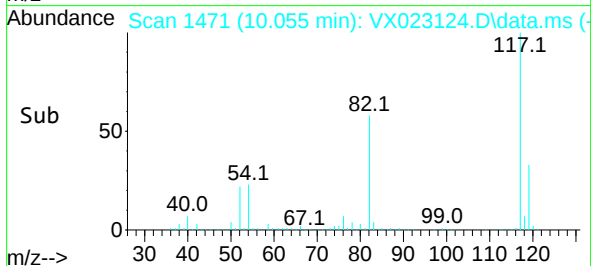
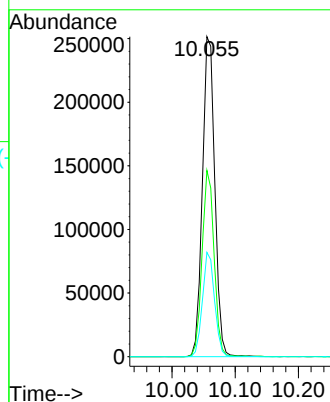
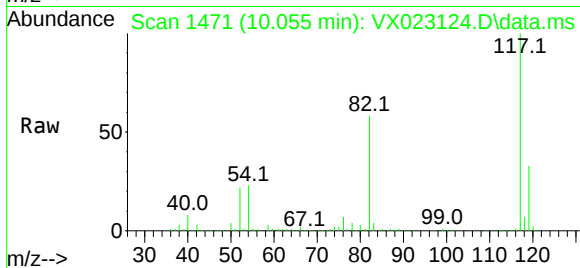




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

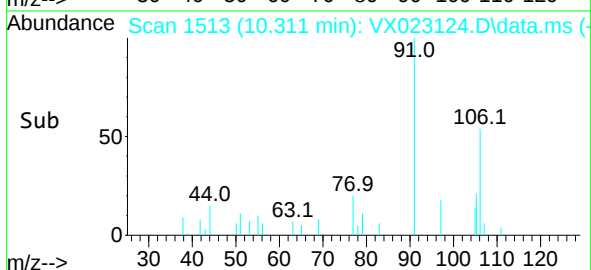
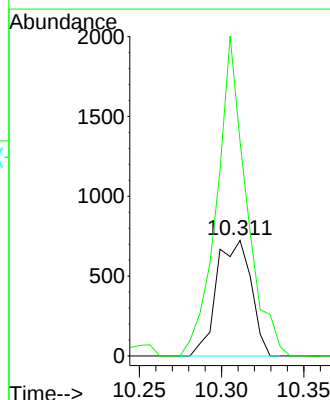
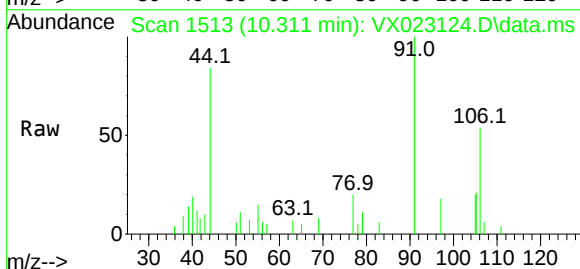
Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

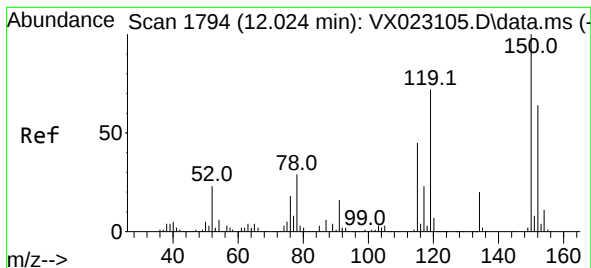
Tgt Ion:117 Resp: 343739
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.6 26.6 39.8



#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion:106 Resp: 1053
Ion Ratio Lower Upper
106 100
91 237.7 162.8 244.2

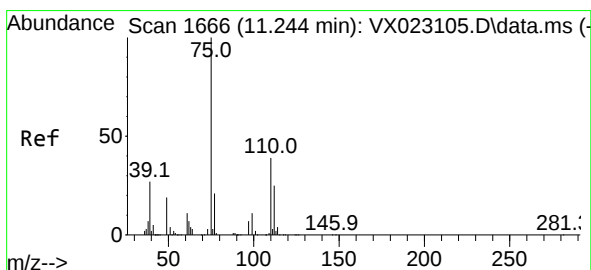
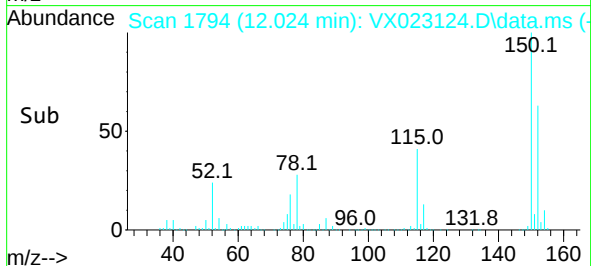
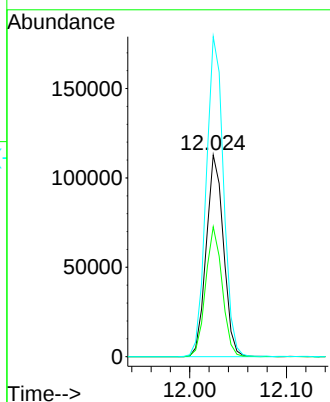
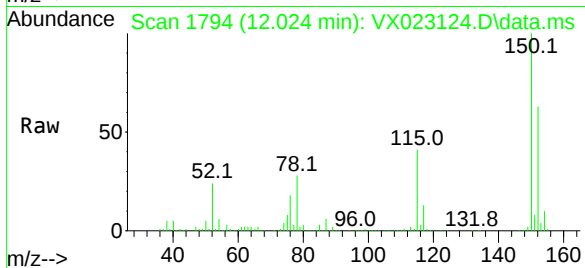




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023124.D
 Acq: 02 Jul 2021 21:50

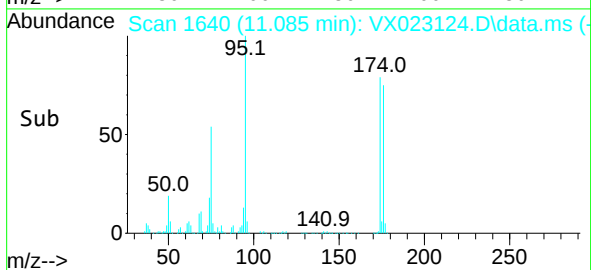
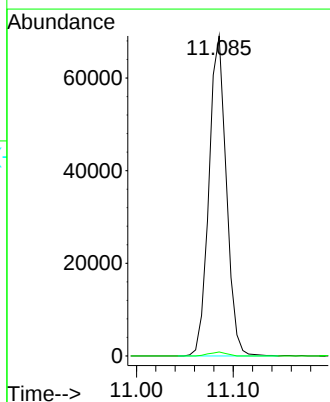
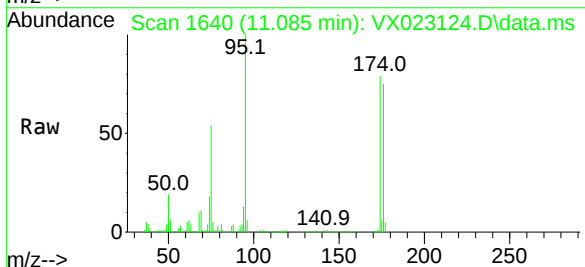
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07-6.5-11.5-062921

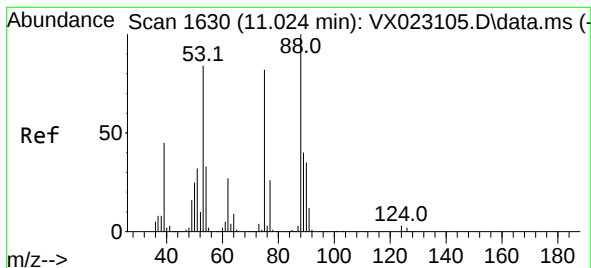
Tgt Ion:152 Resp: 140040
 Ion Ratio Lower Upper
 152 100
 115 61.8 41.1 123.3
 150 159.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 30.713 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023124.D
 Acq: 02 Jul 2021 21:50

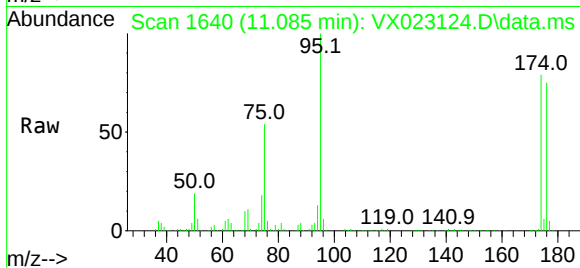
Tgt Ion: 75 Resp: 86551
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



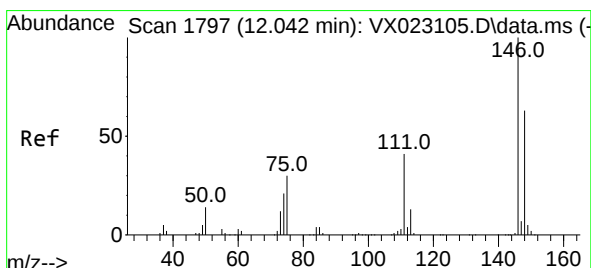
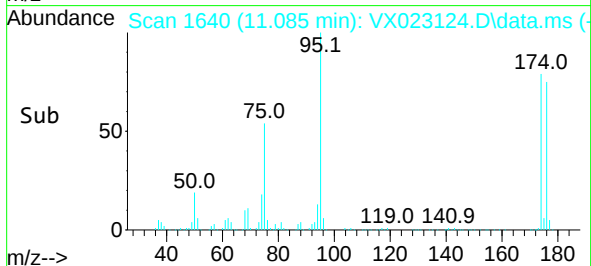
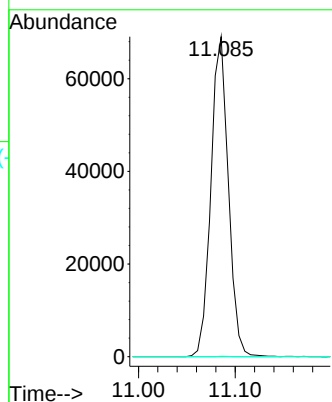


#81
trans-1,4-Dichloro-2-butene
Concen: 82.351 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

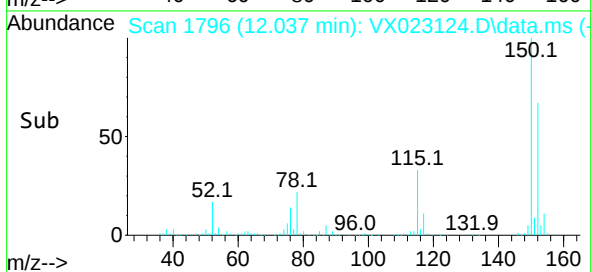
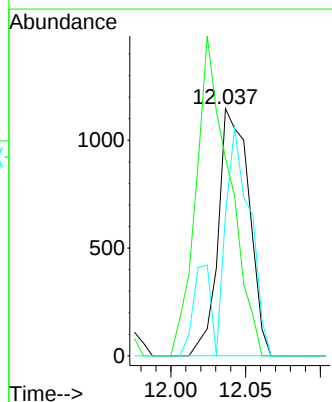
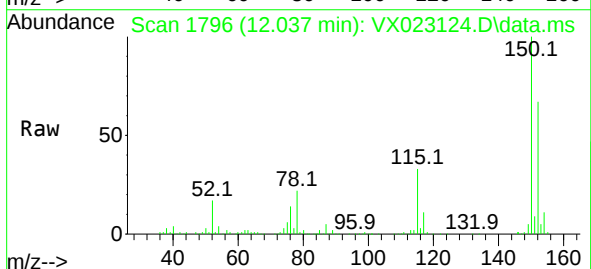


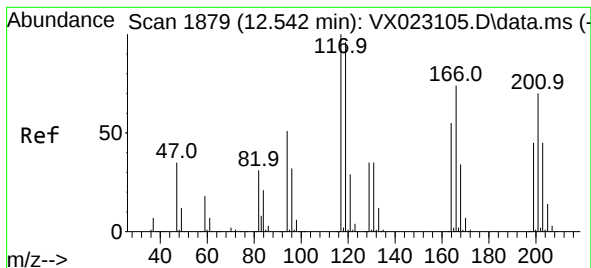
Tgt Ion: 75 Resp: 86551
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.351 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.005 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Tgt Ion: 146 Resp: 1633
Ion Ratio Lower Upper
146 100
111 139.9 19.6 58.8#
148 94.1 31.6 95.0





#90

Hexachloroethane

Concen: 3.024 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX023124.D

Acq: 02 Jul 2021 21:50

Instrument :

MSVOA_X

ClientSampleId :

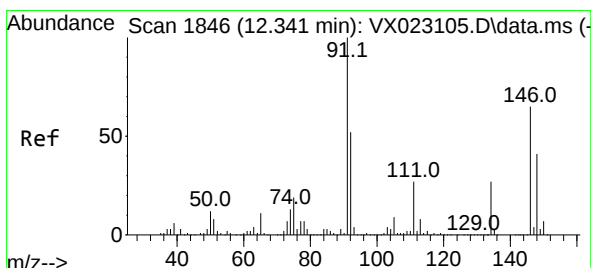
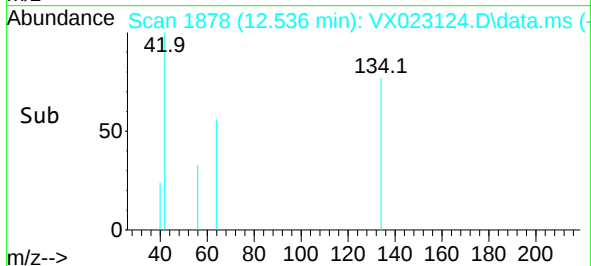
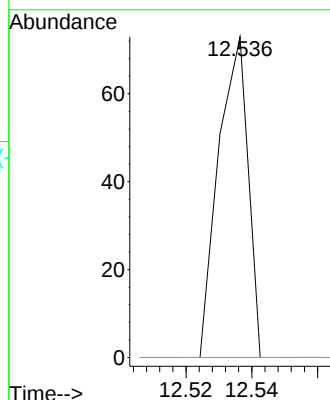
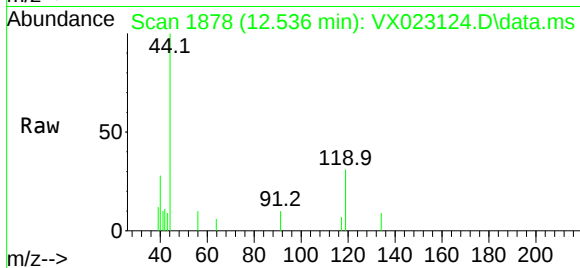
MW-07-6.5-11.5-062921

Tgt Ion:117 Resp: 45

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



#91

1,2-Dichlorobenzene

Concen: 0.216 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VX023124.D

Acq: 02 Jul 2021 21:50

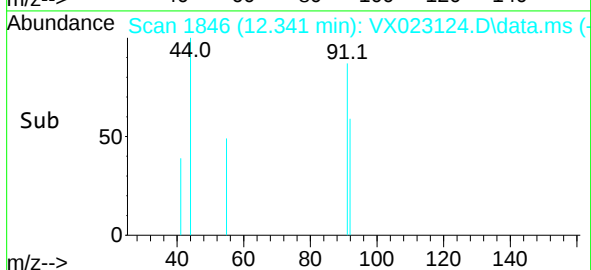
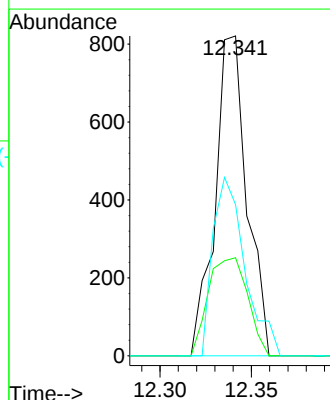
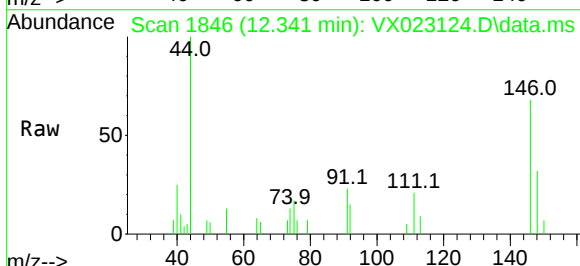
Tgt Ion:146 Resp: 996

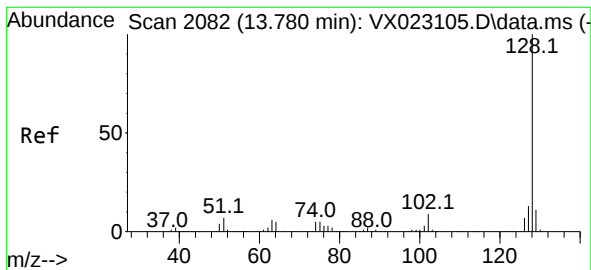
Ion Ratio Lower Upper

146 100

111 38.0 20.8 62.2

148 56.4 31.9 95.5





#95
Naphthalene
Concen: 1.309 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023124.D
Acq: 02 Jul 2021 21:50

Instrument :
MSVOA_X
ClientSampleId :
MW-07-6.5-11.5-062921

Tgt Ion:128 Resp: 363
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

