

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027640.D
 Acq On : 23 Mar 2022 02:33
 Operator : JC/MD
 Sample : N2062-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

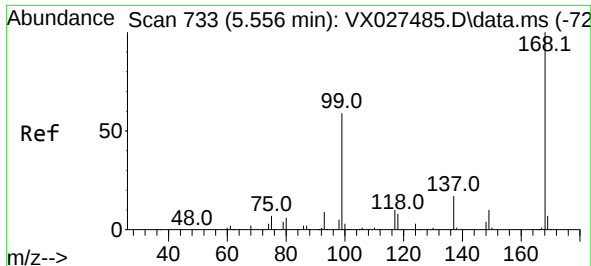
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Mar 23 07:42:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	355527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	564202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	508423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	237973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	187283	42.761	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	85.520%
35) Dibromofluoromethane	5.391	113	183468	50.543	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.080%
50) Toluene-d8	8.653	98	665544	48.452	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.085	95	238021	47.144	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.280%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	22	Below Cal	#	3
6) Chloroethane	1.691	64	668	0.311	ug/l #	43
10) Methyl Iodide	2.453	142	1768	0.388	ug/l	100
11) Tert butyl alcohol	2.947	59	1897	2.273	ug/l #	72
16) Acetone	2.380	43	3748	2.099	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	3076	0.276	ug/l	97
29) Tetrahydrofuran	5.038	42	1334	0.774	ug/l #	90
36) 1,1-Dichloropropene	5.550	75	22943	4.625	ug/l #	49
38) Carbon Tetrachloride	5.556	117	34066	6.003	ug/l #	16
41) Methacrylonitrile	5.044	41	836	0.310	ug/l #	29
51) 4-Methyl-2-Pentanone	8.653	43	2174	0.428	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	1056	0.272	ug/l #	21
76) 1,2,3-Trichloropropane	11.085	75	116063	23.317	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	116063	70.815	ug/l #	15
85) sec-Butylbenzene	11.896	105	8533	0.489	ug/l	79
86) p-Isopropyltoluene	12.177	119	9764	0.651	ug/l	94
89) n-Butylbenzene	12.317	91	3739	0.299	ug/l #	15
90) Hexachloroethane	12.646	117	35960	15.032	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	13.030	75	296	0.235	ug/l #	1

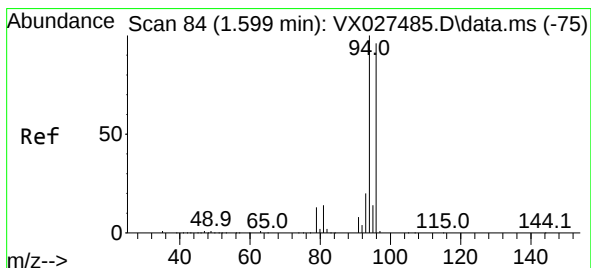
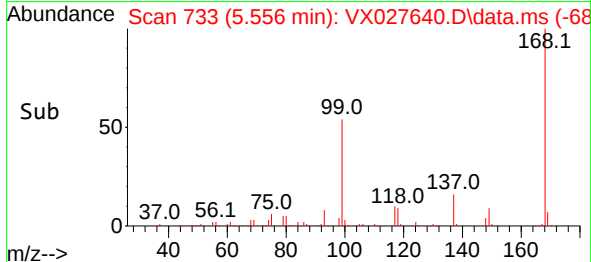
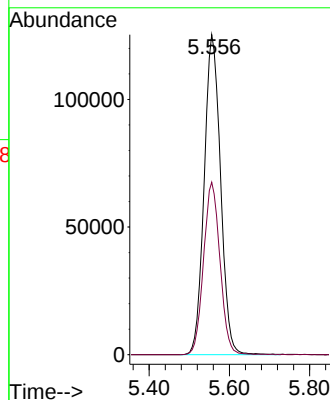
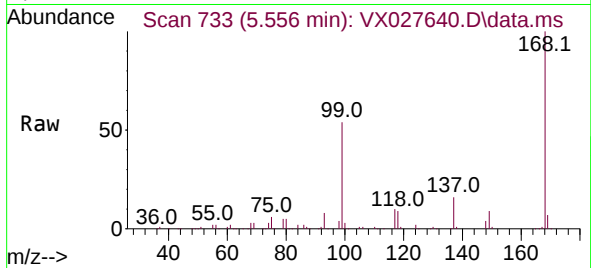
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

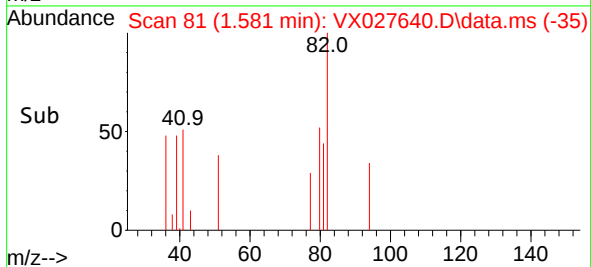
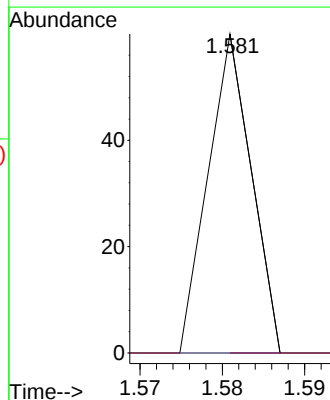
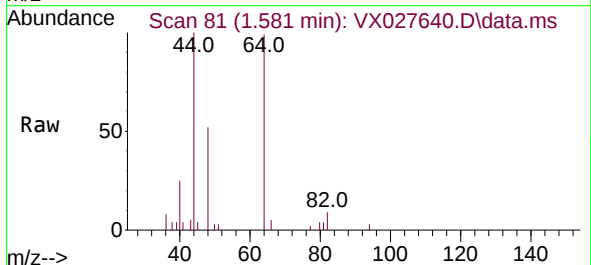
Instrument :
MSVOA_X
ClientSampleId :
MW-5

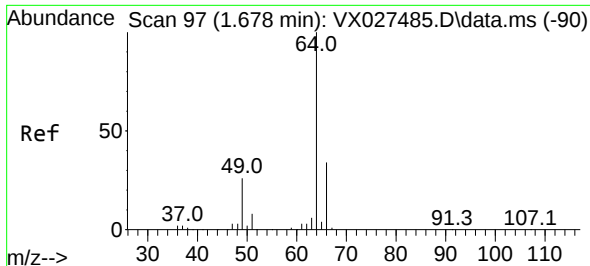
Tgt Ion:168 Resp: 355527
Ion Ratio Lower Upper
168 100
99 53.9 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion: 94 Resp: 22
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#

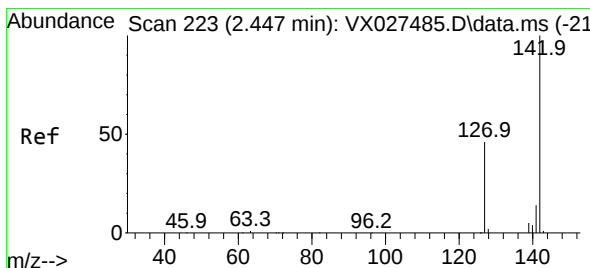
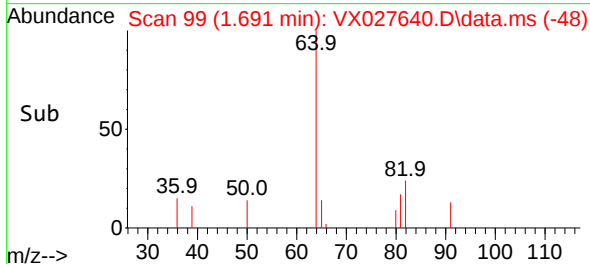
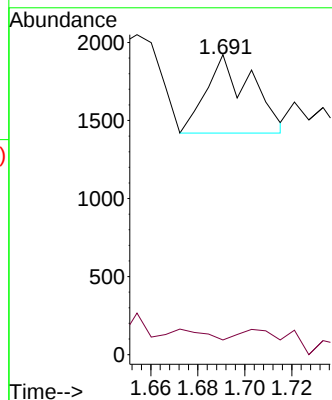
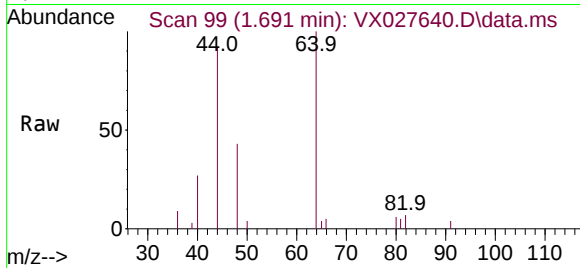




#6
Chloroethane
Concen: 0.311 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

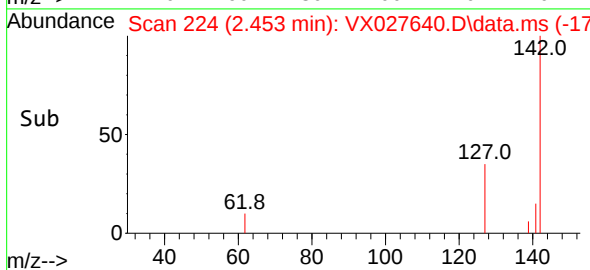
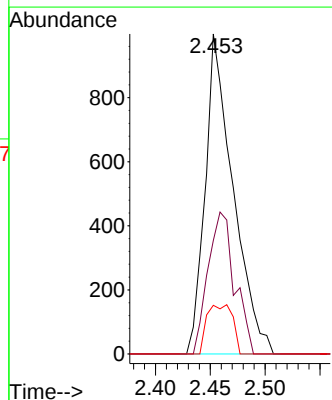
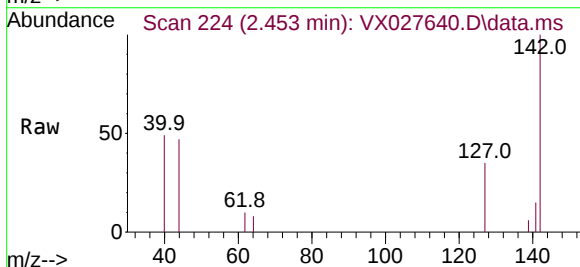
Instrument :
MSVOA_X
ClientSampleId :
MW-5

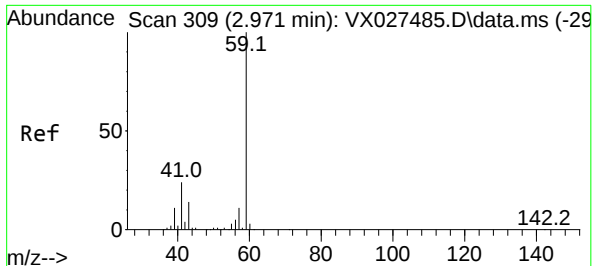
Tgt Ion: 64 Resp: 668
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.388 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion: 142 Resp: 1768
Ion Ratio Lower Upper
142 100
127 42.3 33.9 50.9
141 14.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 2.273 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

Instrument :

MSVOA_X

ClientSampleId :

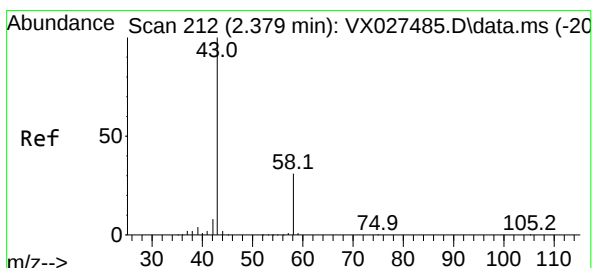
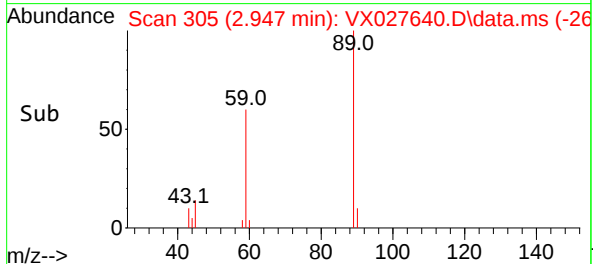
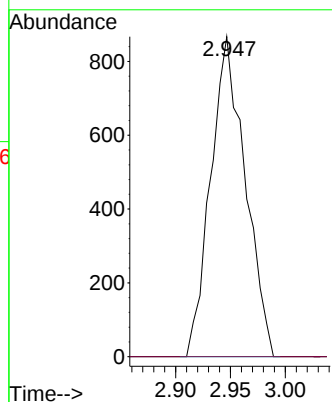
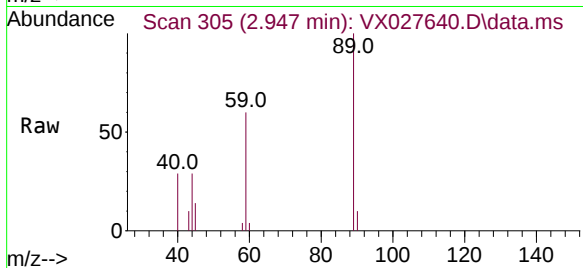
MW-5

Tgt Ion: 59 Resp: 1897

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.099 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX027640.D

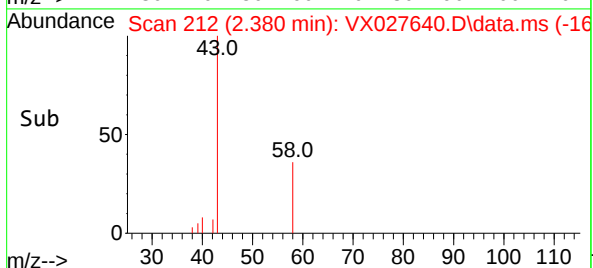
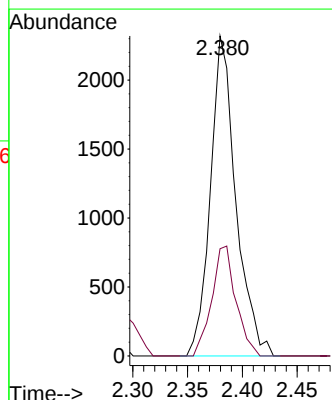
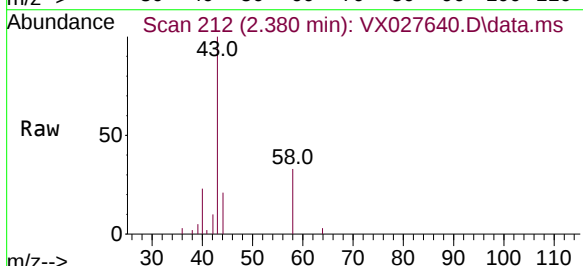
Acq: 23 Mar 2022 02:33

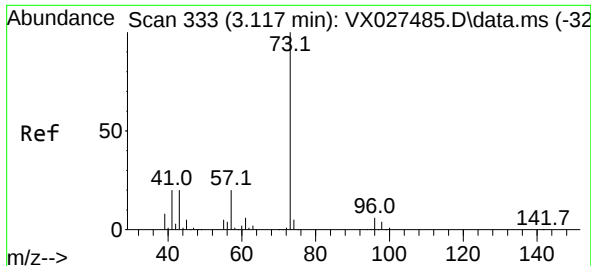
Tgt Ion: 43 Resp: 3748

Ion Ratio Lower Upper

43 100

58 33.5 28.8 43.2

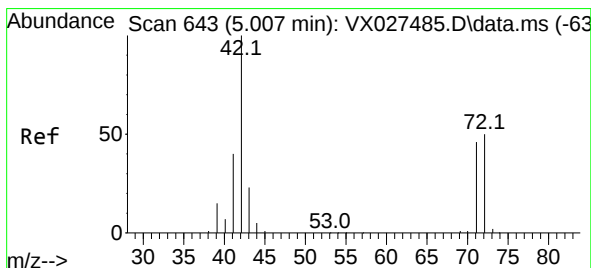
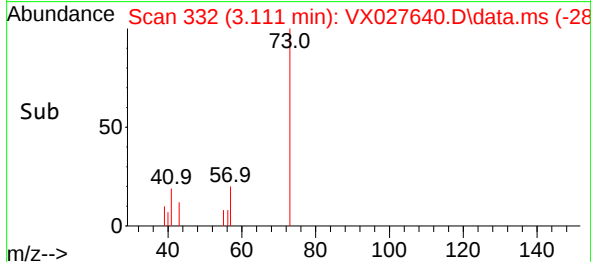
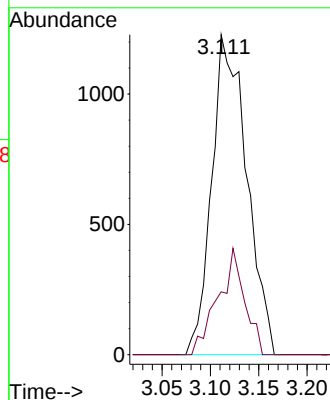
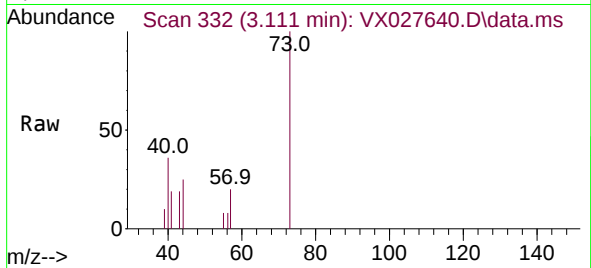




#19
Methyl tert-butyl Ether
Concen: 0.276 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

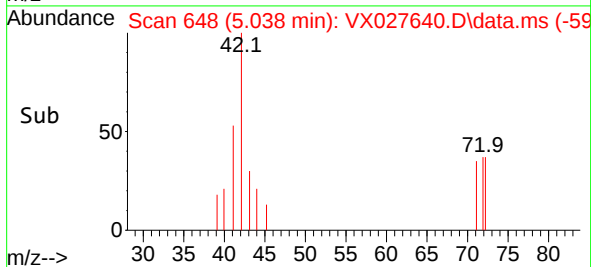
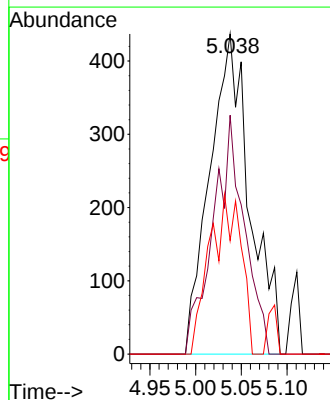
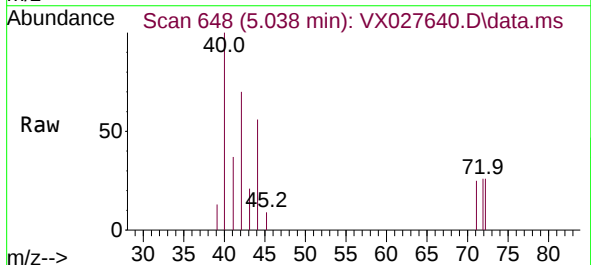
Instrument :
MSVOA_X
ClientSampleId :
MW-5

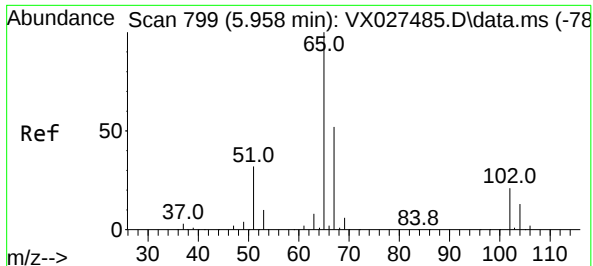
Tgt Ion: 73 Resp: 3076
Ion Ratio Lower Upper
73 100
57 19.6 16.8 25.2



#29
Tetrahydrofuran
Concen: 0.774 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion: 42 Resp: 1334
Ion Ratio Lower Upper
42 100
72 58.2 44.1 66.1
71 39.0 40.5 60.7#





#33

1,2-Dichloroethane-d4

Concen: 42.761 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

Instrument :

MSVOA_X

ClientSampleId :

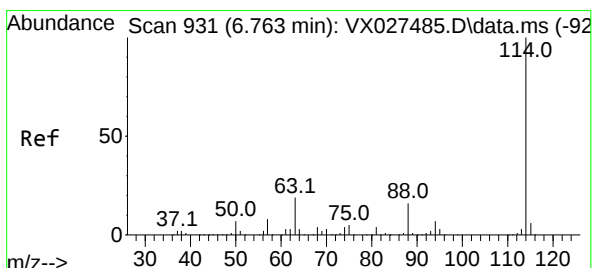
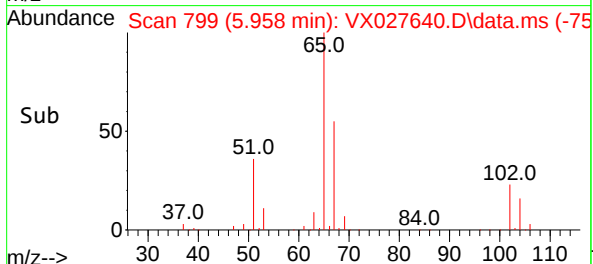
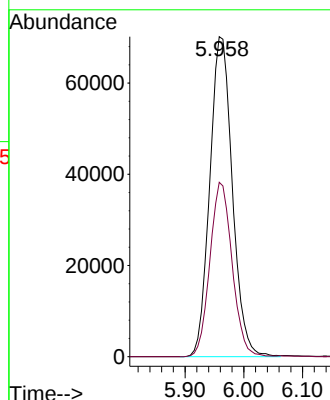
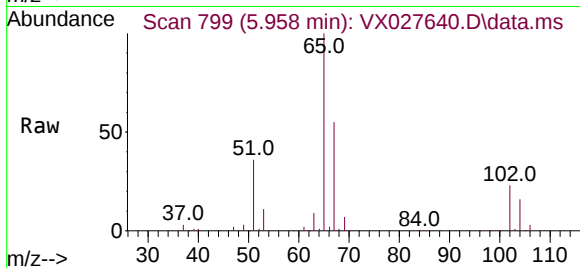
MW-5

Tgt Ion: 65 Resp: 187283

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

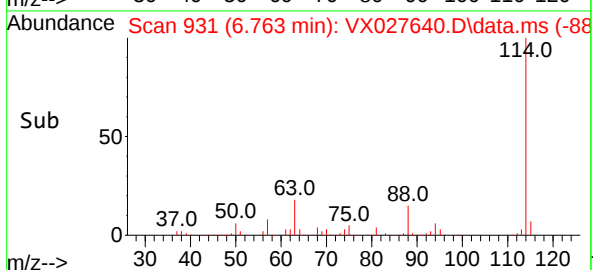
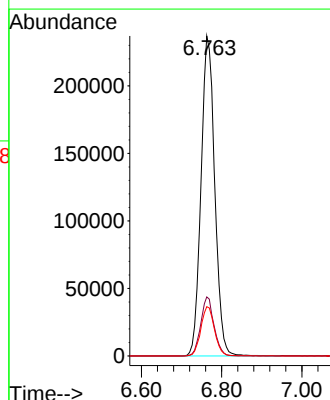
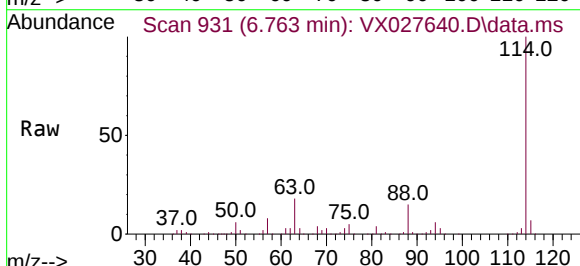
Tgt Ion: 114 Resp: 564202

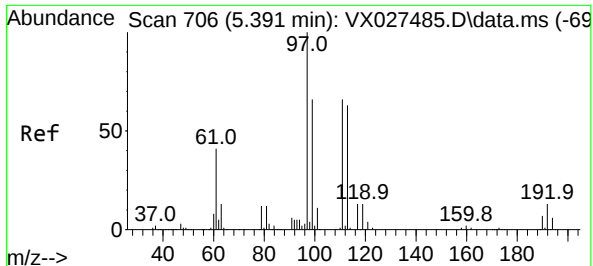
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.543 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

Instrument :

MSVOA_X

ClientSampleId :

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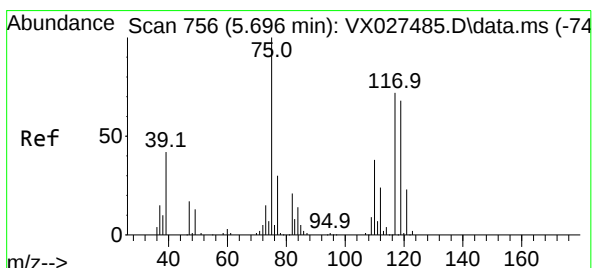
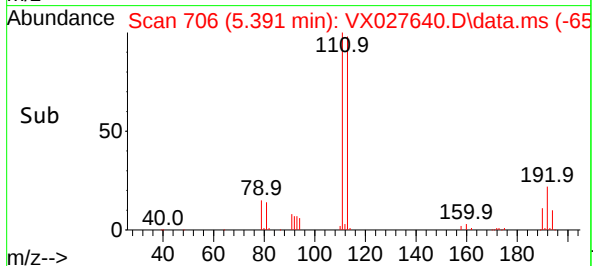
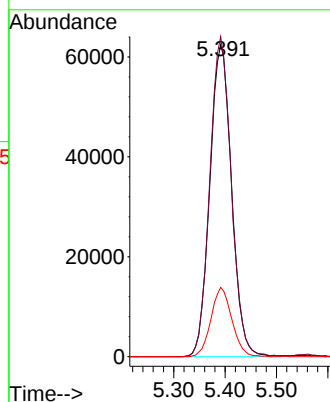
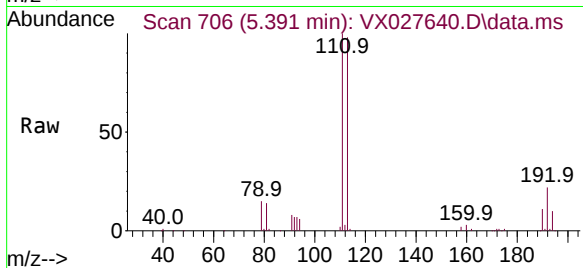
Tgt Ion:113 Resp: 183468

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 21.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.625 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

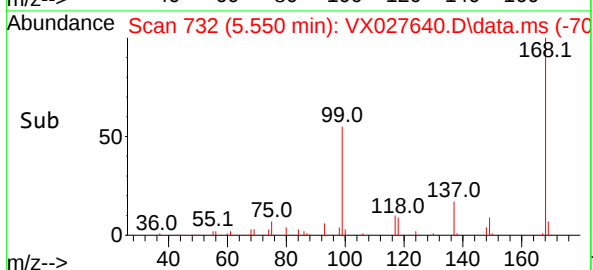
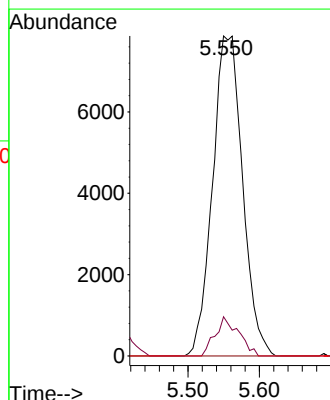
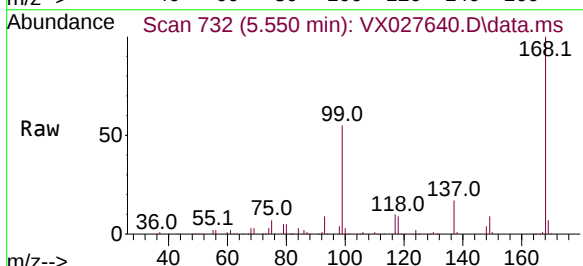
Tgt Ion: 75 Resp: 22943

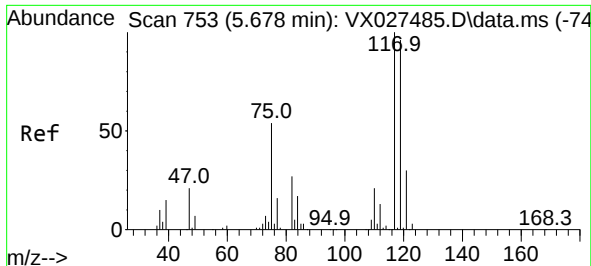
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 24.8 37.2#

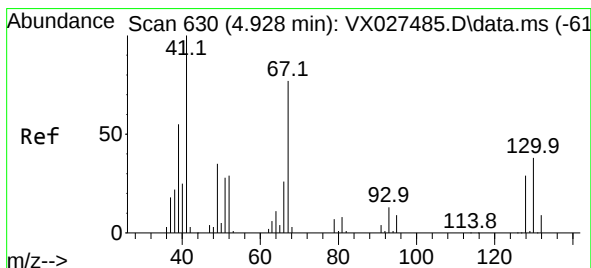
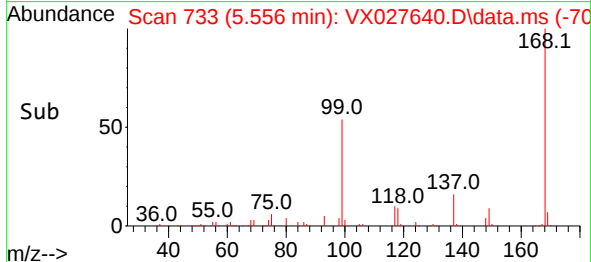
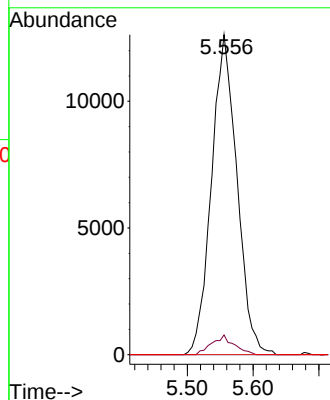
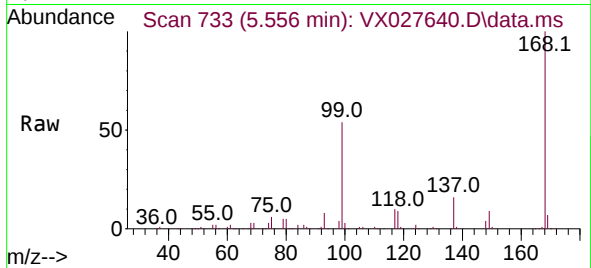




#38
Carbon Tetrachloride
Concen: 6.003 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

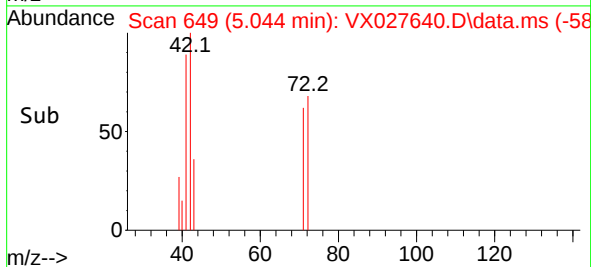
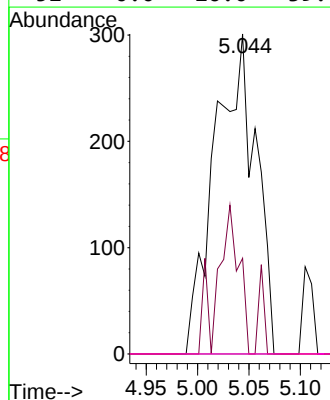
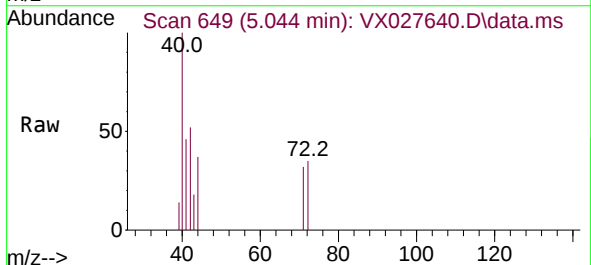
Instrument :
MSVOA_X
ClientSampleId :
MW-5

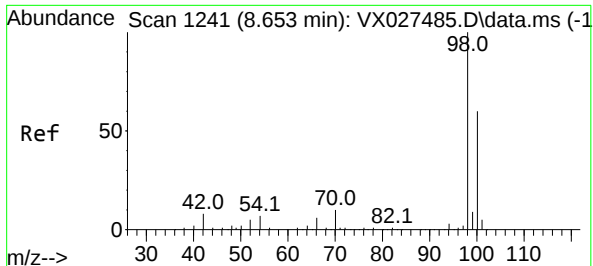
Tgt Ion:117 Resp: 34066
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.310 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion: 41 Resp: 836
Ion Ratio Lower Upper
41 100
39 24.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

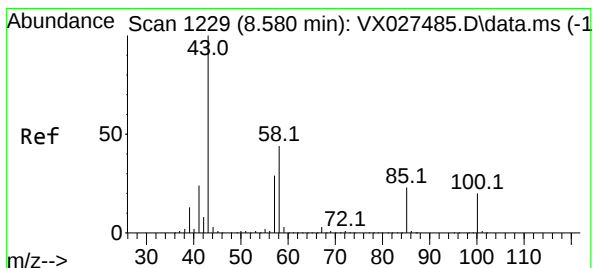
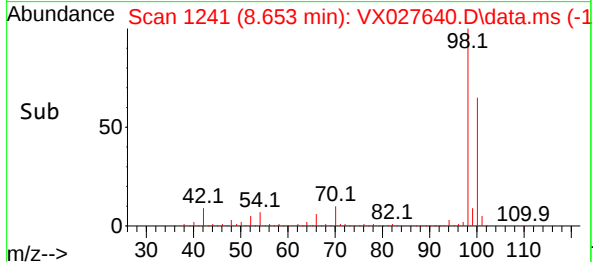
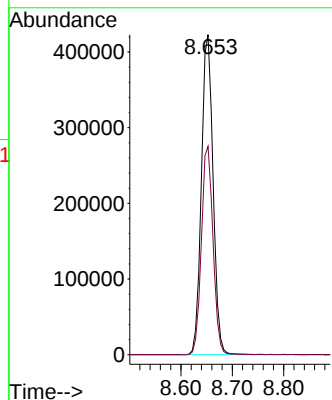
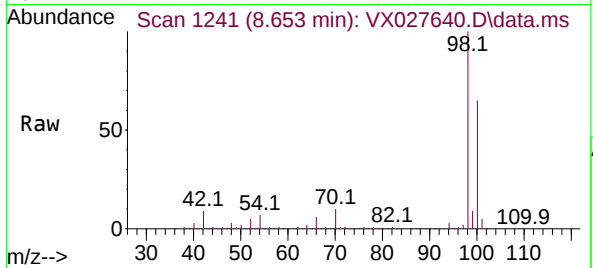




#50
Toluene-d8
Concen: 48.452 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

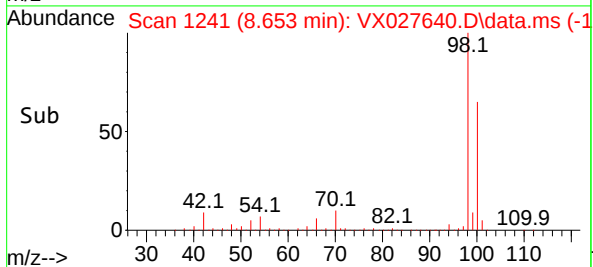
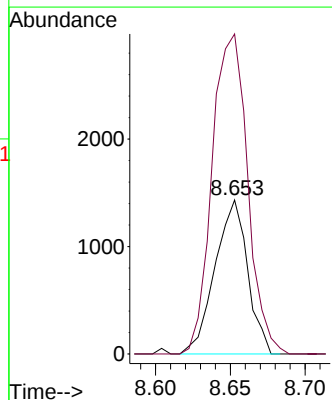
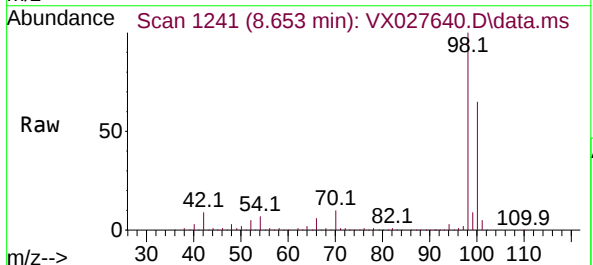
Instrument :
MSVOA_X
ClientSampleId :
MW-5

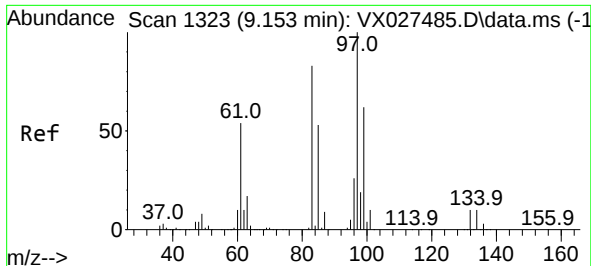
Tgt Ion: 98 Resp: 665544
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.428 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion: 43 Resp: 2174
Ion Ratio Lower Upper
43 100
58 226.2 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.272 ug/l

RT: 9.104 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tgt Ion: 97 Resp: 1056

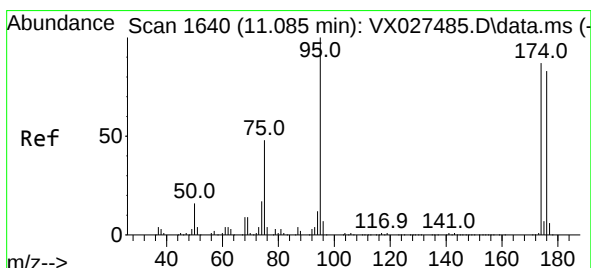
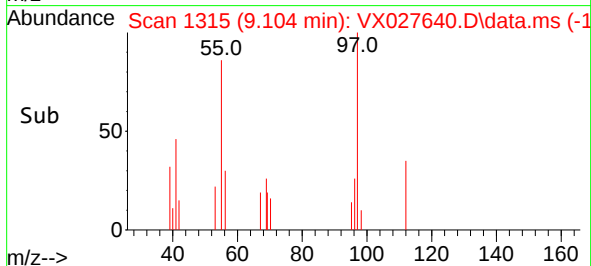
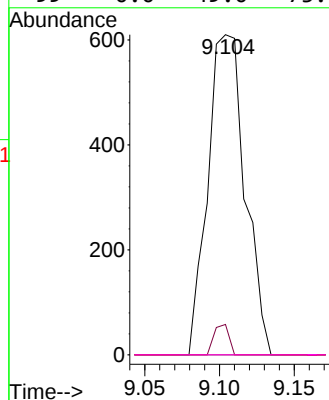
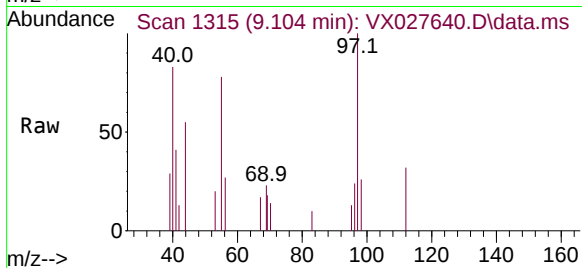
Ion Ratio Lower Upper

97 100

83 9.5 66.2 99.4#

85 0.0 42.9 64.3#

99 0.0 49.0 73.6#



#62

4-Bromofluorobenzene

Concen: 47.144 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

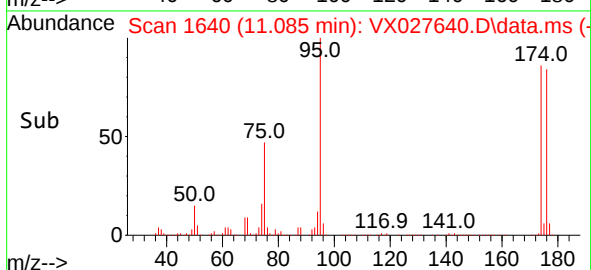
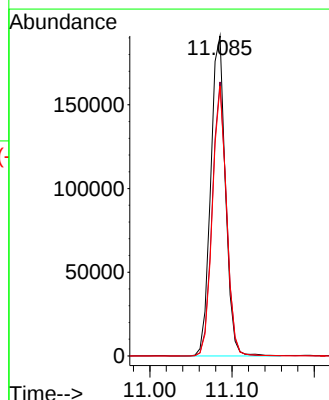
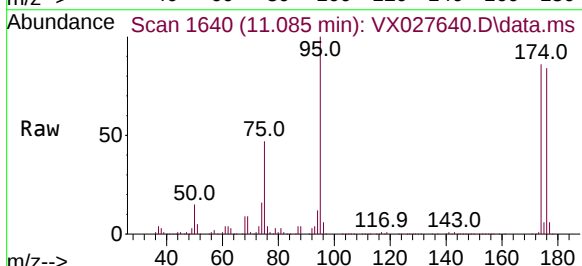
Tgt Ion: 95 Resp: 238021

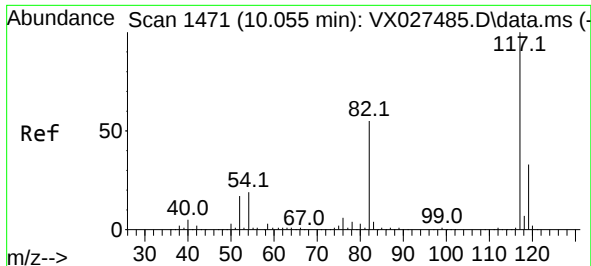
Ion Ratio Lower Upper

95 100

174 82.7 0.0 163.0

176 81.1 0.0 155.0

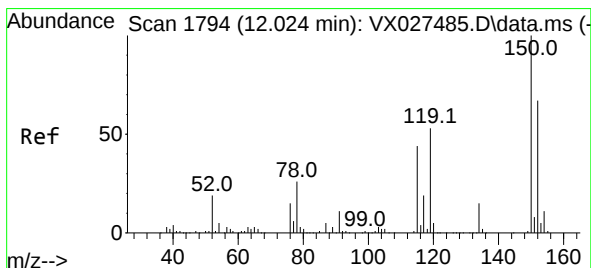
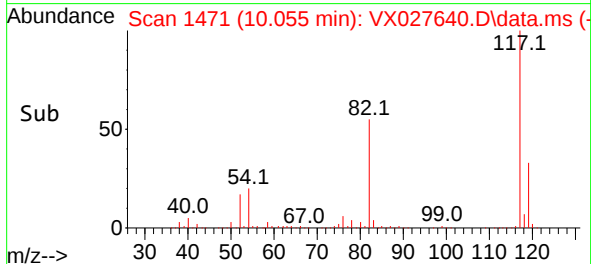
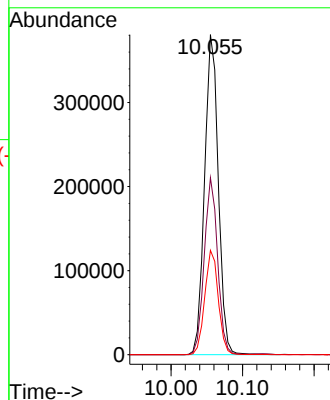
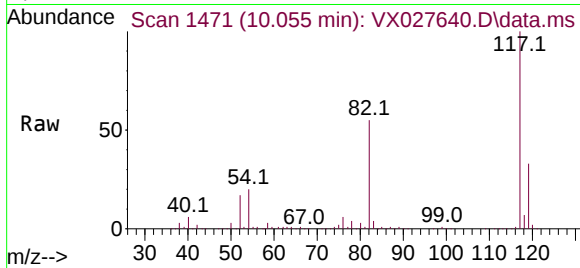




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

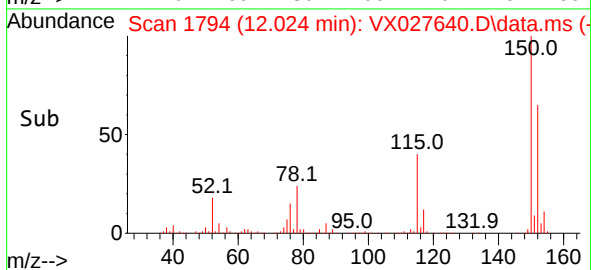
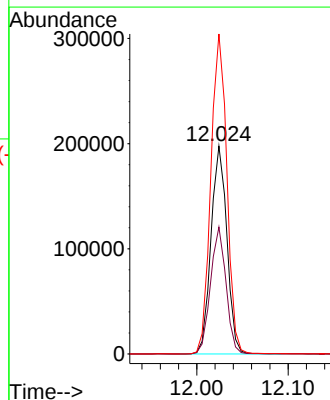
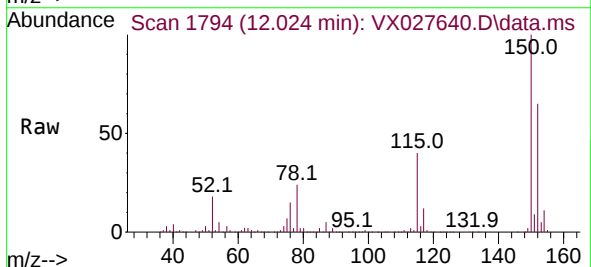
Instrument :
MSVOA_X
ClientSampleId :
MW-5

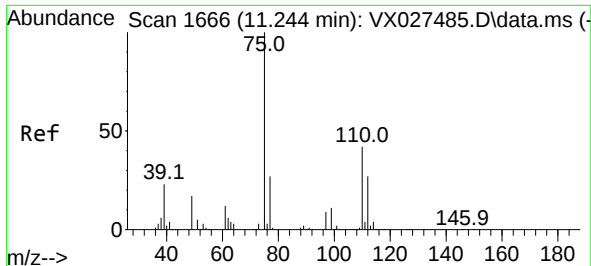
Tgt Ion:117 Resp: 508423
Ion Ratio Lower Upper
117 100
82 55.3 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion:152 Resp: 237973
Ion Ratio Lower Upper
152 100
115 59.6 37.5 112.7
150 155.6 0.0 338.2

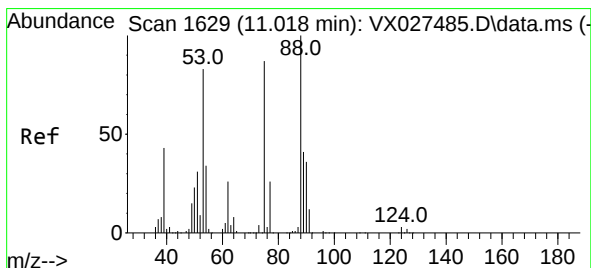
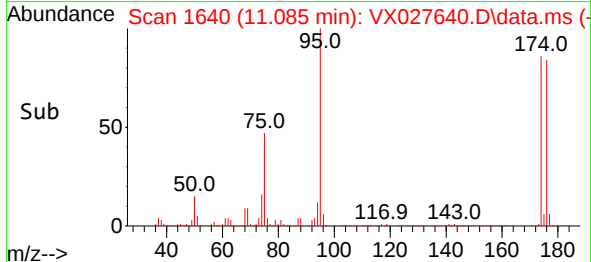
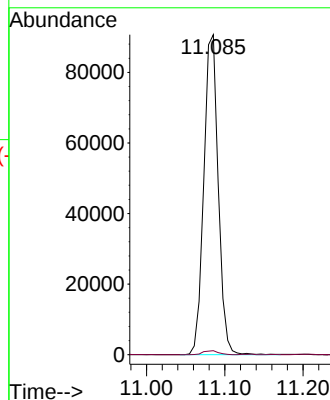
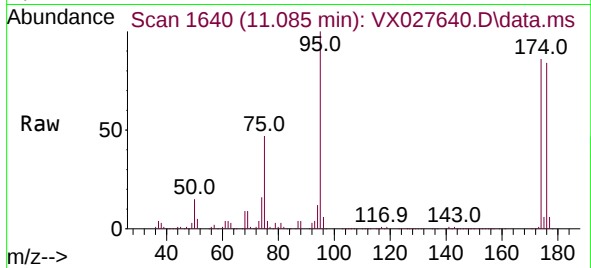




#76
1,2,3-Trichloropropane
Concen: 23.317 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

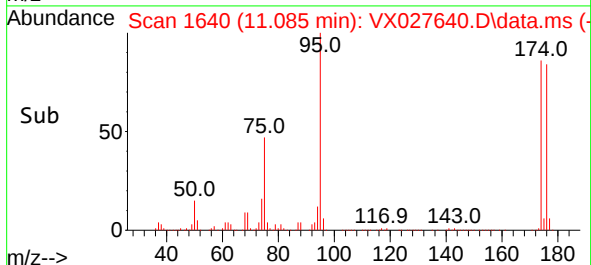
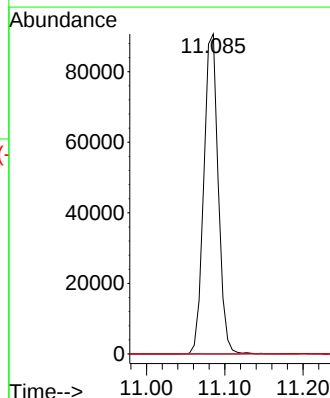
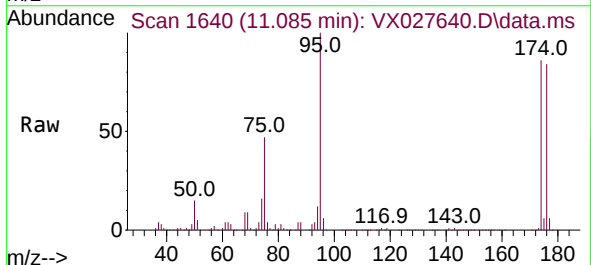
Instrument :
MSVOA_X
ClientSampleId :
MW-5

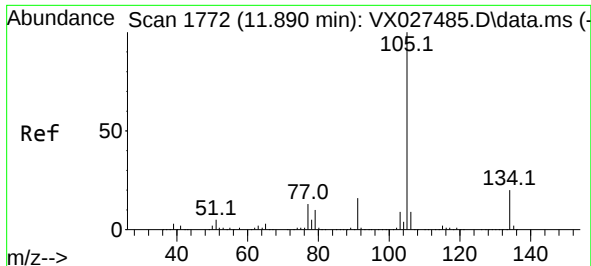
Tgt Ion: 75 Resp: 116063
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.815 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027640.D
Acq: 23 Mar 2022 02:33

Tgt Ion: 75 Resp: 116063
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#85

sec-Butylbenzene

Concen: 0.489 ug/l

RT: 11.896 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

Instrument :

MSVOA_X

ClientSampleId :

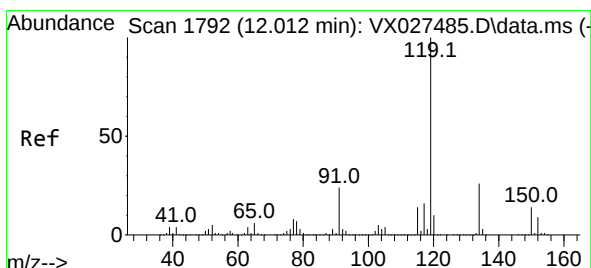
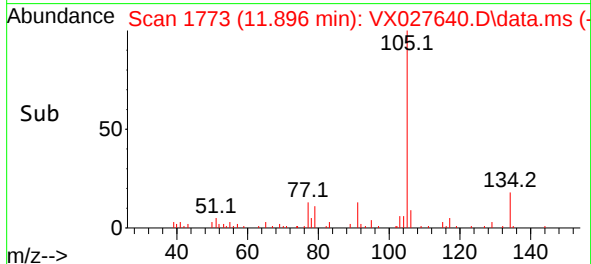
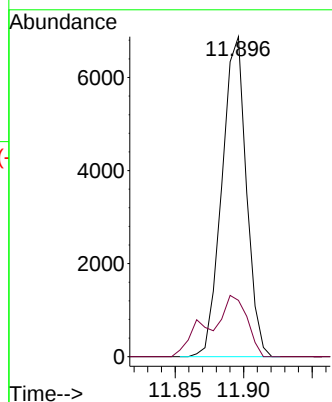
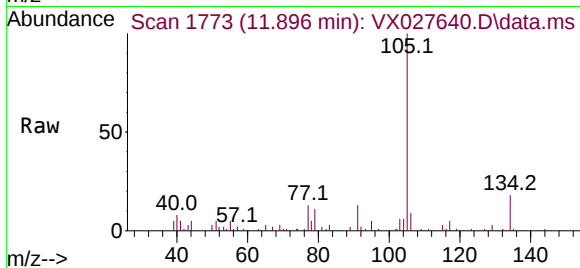
MW-5

Tgt Ion:105 Resp: 8533

Ion Ratio Lower Upper

105 100

134 30.0 10.2 30.4



#86

p-Isopropyltoluene

Concen: 0.651 ug/l

RT: 12.177 min Scan# 1819

Delta R.T. 0.165 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

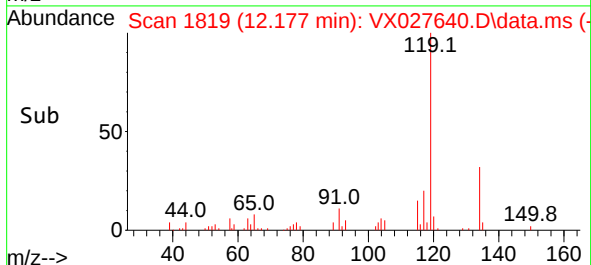
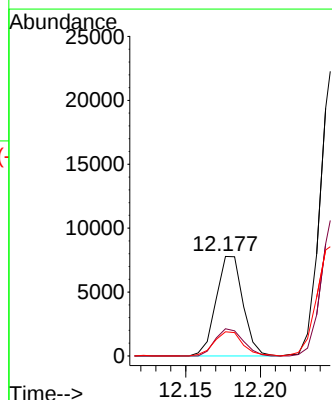
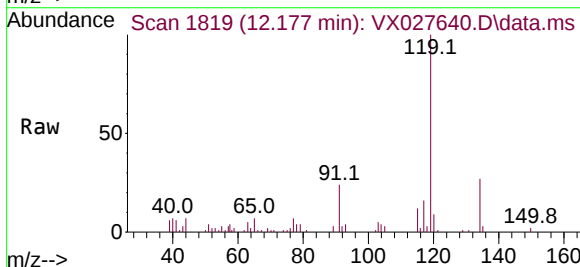
Tgt Ion:119 Resp: 9764

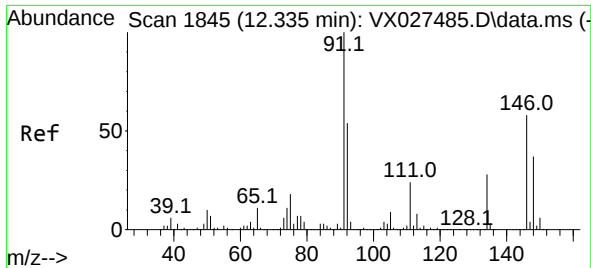
Ion Ratio Lower Upper

119 100

134 28.4 13.0 39.0

91 26.0 11.3 33.9





#89

n-Butylbenzene

Concen: 0.299 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX027640.D

Acq: 23 Mar 2022 02:33

Instrument :

MSVOA_X

ClientSampleId :

MW-5

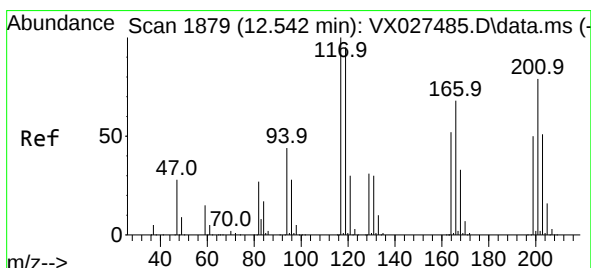
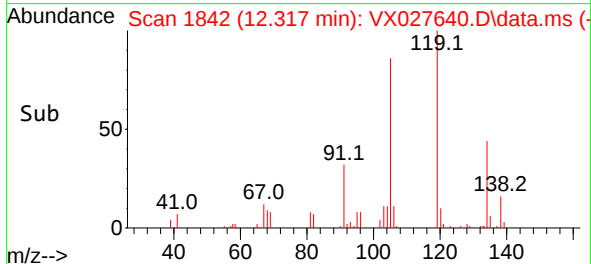
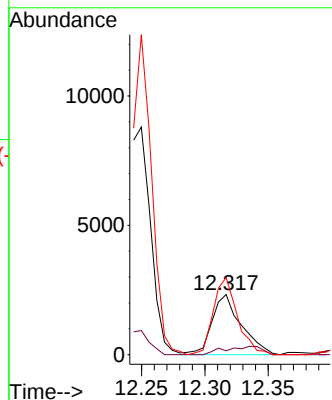
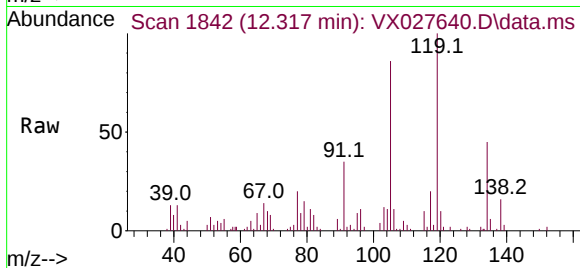
Tgt Ion: 91 Resp: 3739

Ion Ratio Lower Upper

91 100

92 17.6 27.8 83.3#

134 105.8 13.3 39.8#



#90

Hexachloroethane

Concen: 15.032 ug/l

RT: 12.646 min Scan# 1896

Delta R.T. 0.104 min

Lab File: VX027640.D

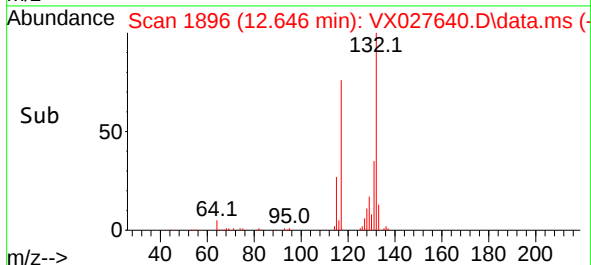
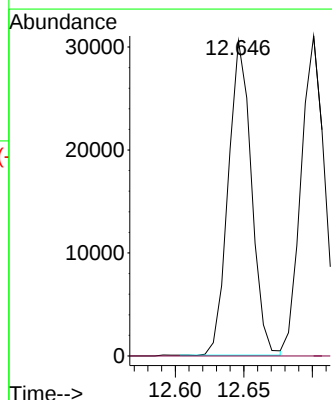
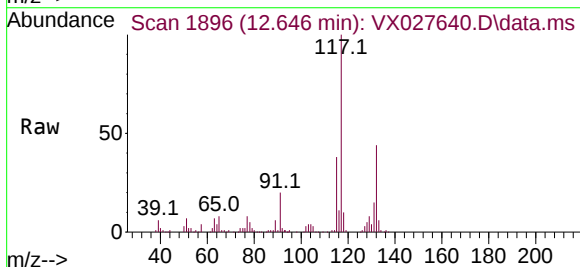
Acq: 23 Mar 2022 02:33

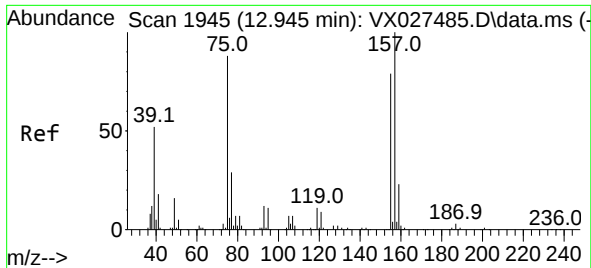
Tgt Ion: 117 Resp: 35960

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.235 ug/l
 RT: 13.030 min Scan# 1959
 Delta R.T. 0.085 min
 Lab File: VX027640.D
 Acq: 23 Mar 2022 02:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tgt Ion: 75 Resp: 296
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.0 141.2#
 157 0.0 57.9 173.6#

