

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031722\
 Data File : VX027508.D
 Acq On : 17 Mar 2022 23:42
 Operator : JC/MD
 Sample : N1997-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

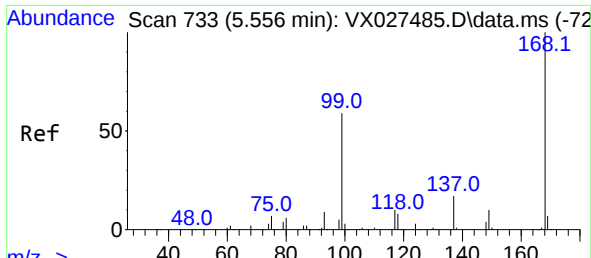
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-117

Quant Time: Mar 18 02:08:41 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	5.562	168	357857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	591548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	531617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	247438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	200280	45.431	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.860%
35) Dibromofluoromethane	5.391	113	193199	50.763	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.520%
50) Toluene-d8	8.653	98	689993	47.910	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.820%
62) 4-Bromofluorobenzene	11.085	95	246367	46.541	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.080%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	585	Below Cal		83
11) Tert butyl alcohol	2.953	59	891	1.061 ug/l	#	72
16) Acetone	2.386	43	6040	3.361 ug/l		98
19) Methyl tert-butyl Ether	3.123	73	8782	0.783 ug/l		94
20) Methylene Chloride	2.788	84	1473	0.381 ug/l	#	86
28) Bromochloromethane	5.105	49	616	0.247 ug/l	#	7
29) Tetrahydrofuran	5.038	42	1737	1.002 ug/l	#	54
30) Chloroform	5.105	83	9602	1.409 ug/l		92
31) Cyclohexane	5.550	56	5566	1.017 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	23625	4.542 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	35295	5.932 ug/l	#	16
41) Methacrylonitrile	5.038	41	1180	0.417 ug/l	#	37
51) 4-Methyl-2-Pentanone	8.653	43	2250	0.423 ug/l	#	1
76) 1,2,3-Trichloropropane	11.085	75	112924	21.819 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.085	75	112924	66.264 ug/l	#	15

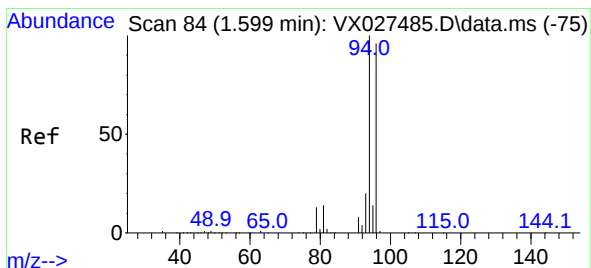
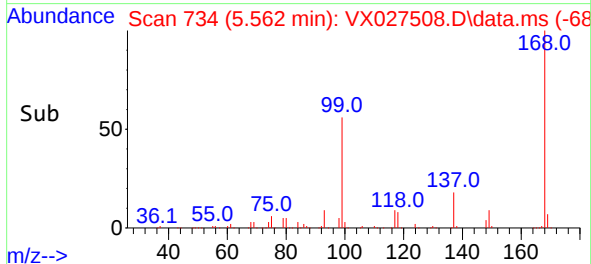
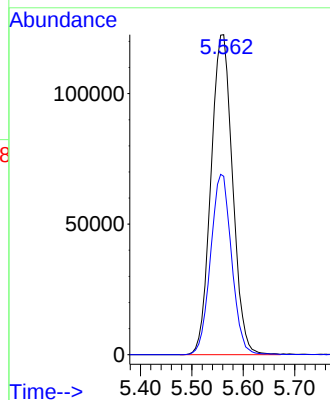
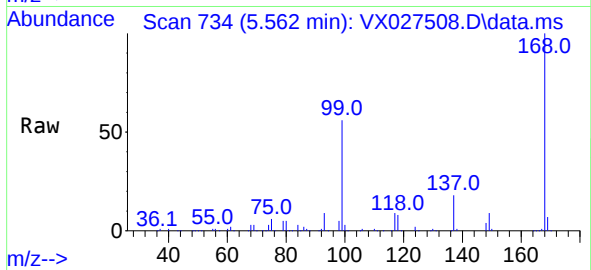
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027508.D
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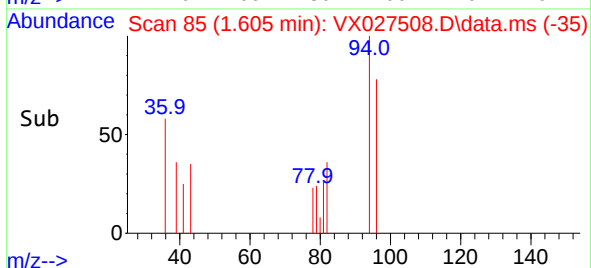
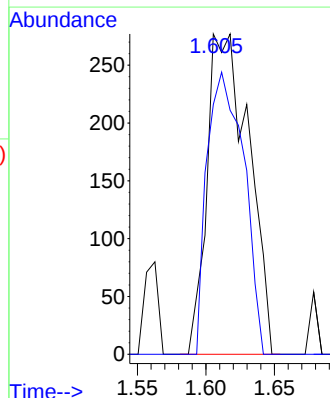
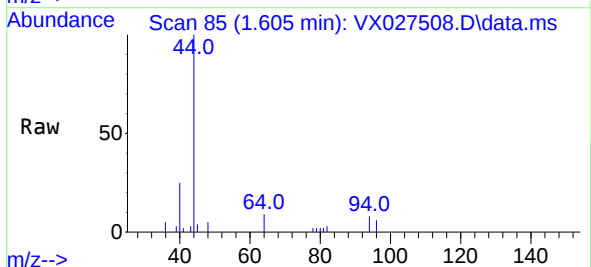
Instrument :
MSVOA_X
ClientSampleId :
MW-117

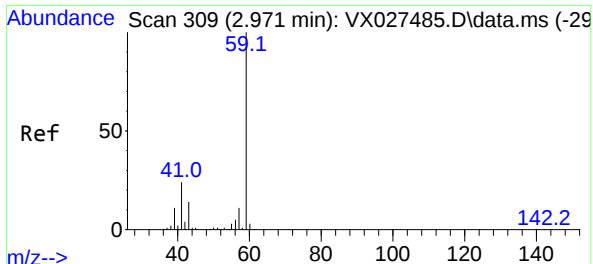
Tgt Ion:168 Resp: 357857
Ion Ratio Lower Upper
168 100
99 55.8 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 78.0 75.3 112.9

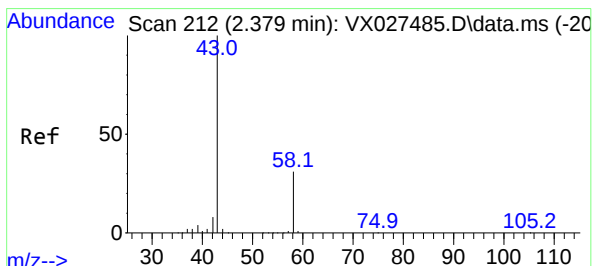
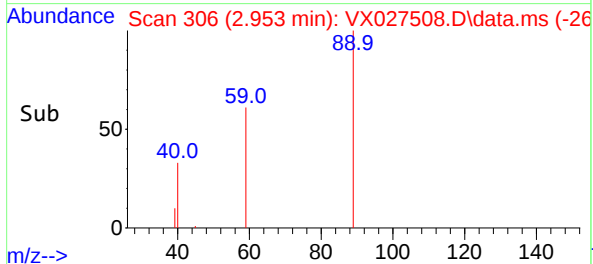
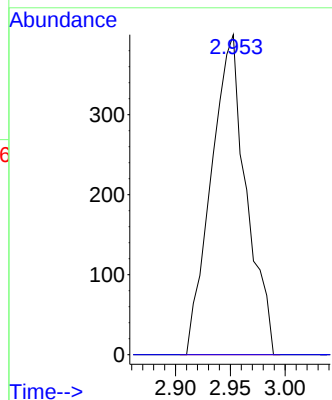
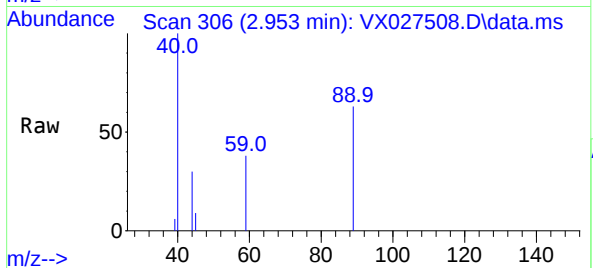




#11
Tert butyl alcohol
Concen: 1.061 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

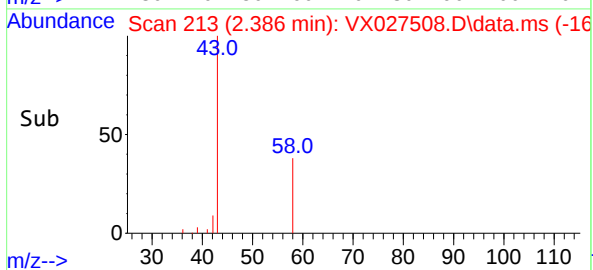
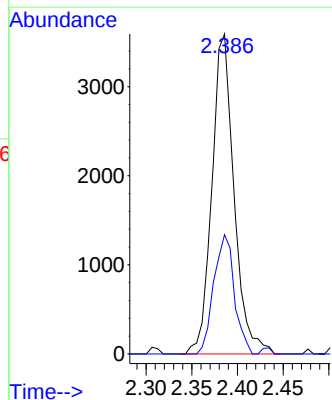
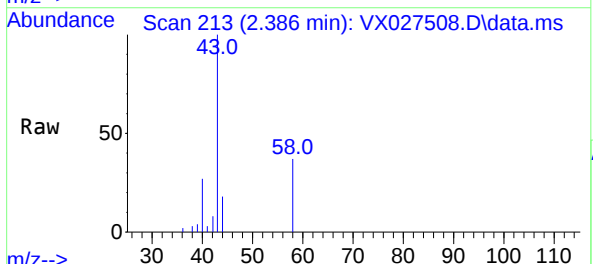
Instrument :
MSVOA_X
ClientSampleId :
MW-117

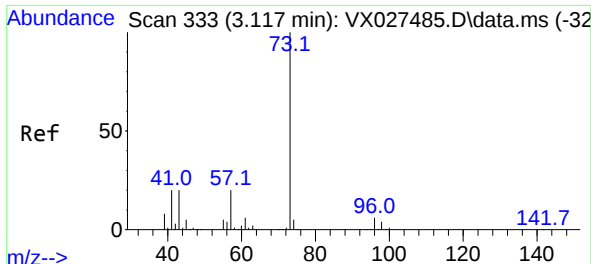
Tgt Ion: 59 Resp: 891
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.361 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 43 Resp: 6040
Ion Ratio Lower Upper
43 100
58 37.2 28.8 43.2

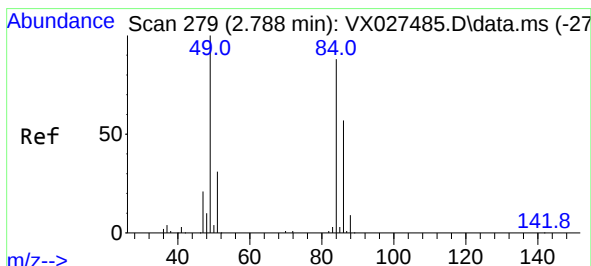
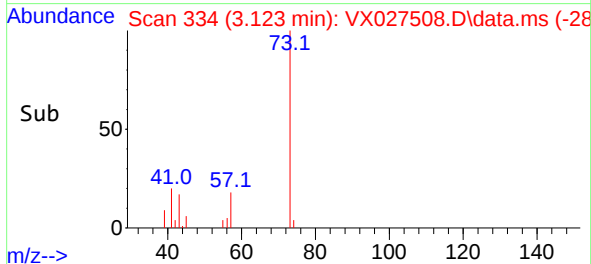
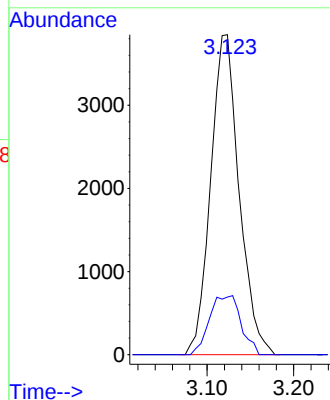
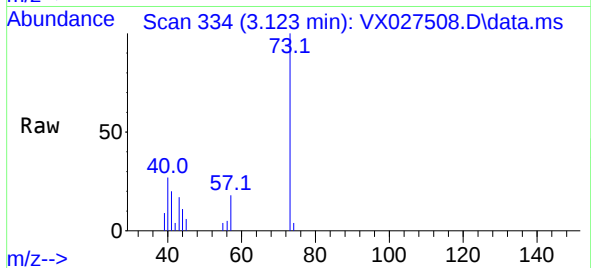




#19
Methyl tert-butyl Ether
Concen: 0.783 ug/l
RT: 3.123 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

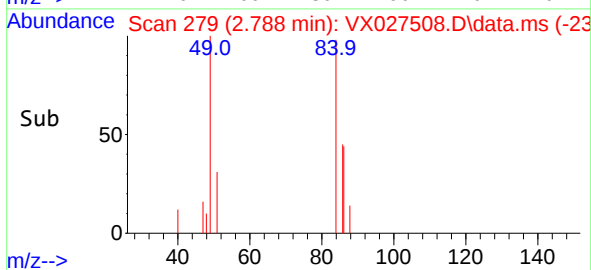
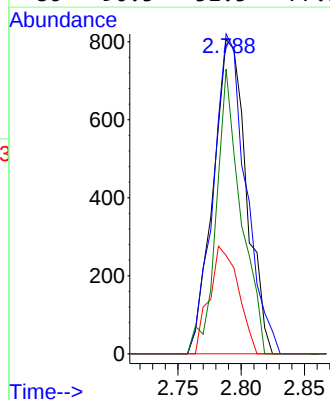
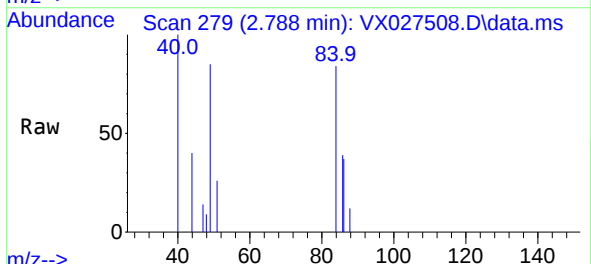
Instrument :
MSVOA_X
ClientSampleId :
MW-117

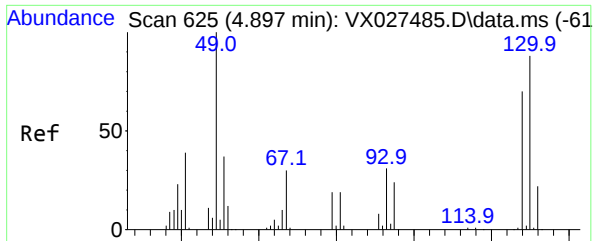
Tgt Ion: 73 Resp: 8782
Ion Ratio Lower Upper
73 100
57 18.0 16.8 25.2



#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 84 Resp: 1473
Ion Ratio Lower Upper
84 100
49 101.6 85.5 128.3
51 31.2 26.6 39.8
86 90.5 51.5 77.3#

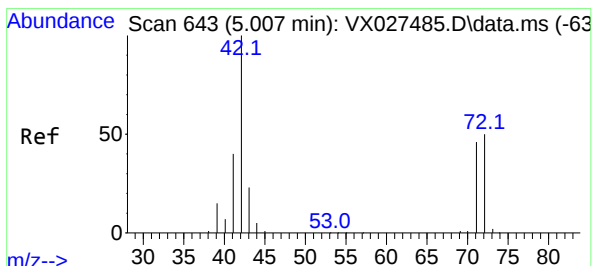
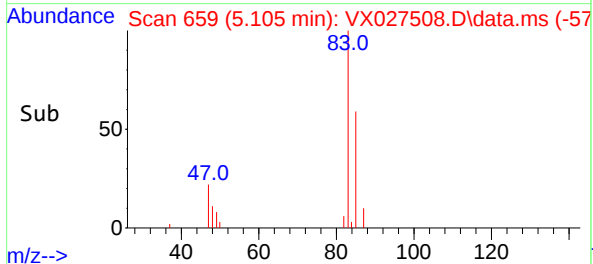
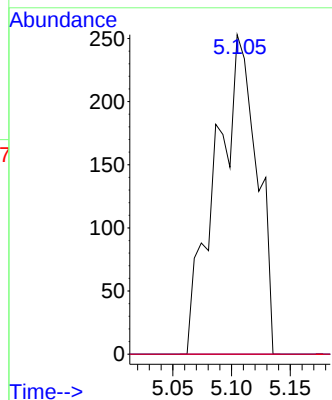
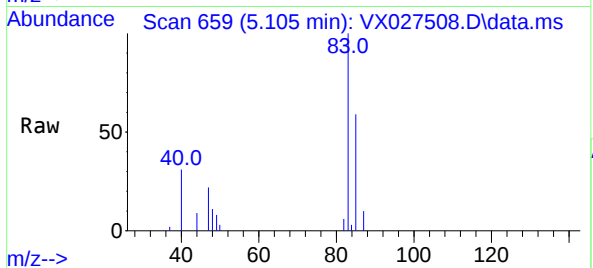




#28
Bromochloromethane
Concen: 0.247 ug/l
RT: 5.105 min Scan# 616
Delta R.T. 0.207 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

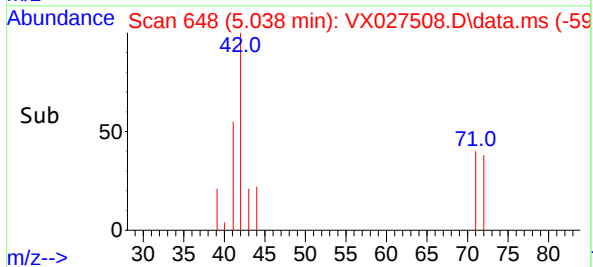
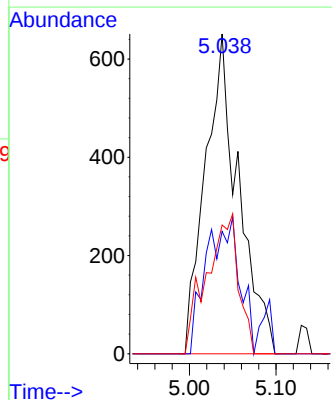
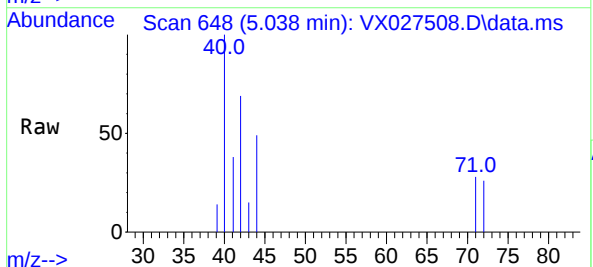
Instrument :
MSVOA_X
ClientSampleId :
MW-117

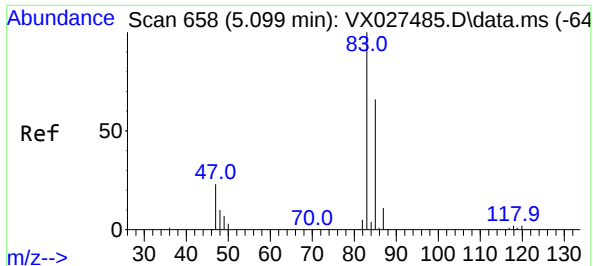
Tgt Ion: 49 Resp: 616
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 70.7 106.1#



#29
Tetrahydrofuran
Concen: 1.002 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 42 Resp: 1737
Ion Ratio Lower Upper
42 100
72 0.0 44.1 66.1#
71 41.5 40.5 60.7





#30

Chloroform

Concen: 1.409 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027508.D

Acq: 17 Mar 2022 23:42

Instrument :

MSVOA_X

ClientSampleId :

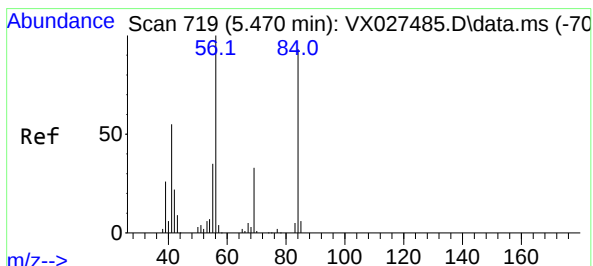
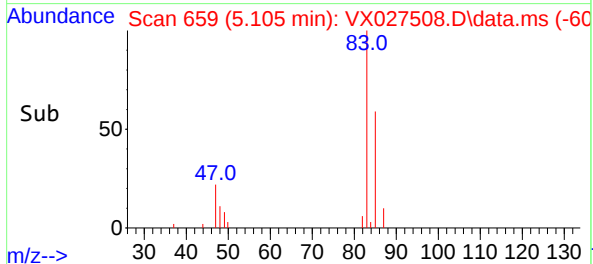
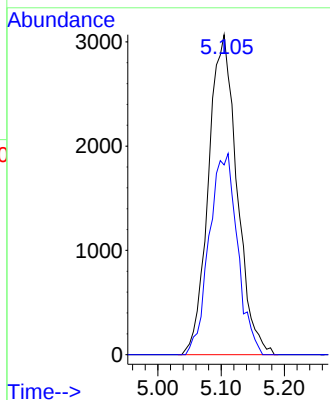
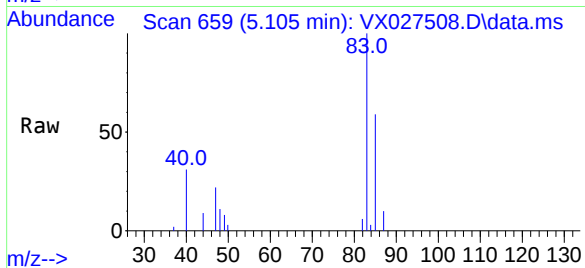
MW-117

Tgt Ion: 83 Resp: 9602

Ion Ratio Lower Upper

83 100

85 59.3 52.7 79.1



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027508.D

Acq: 17 Mar 2022 23:42

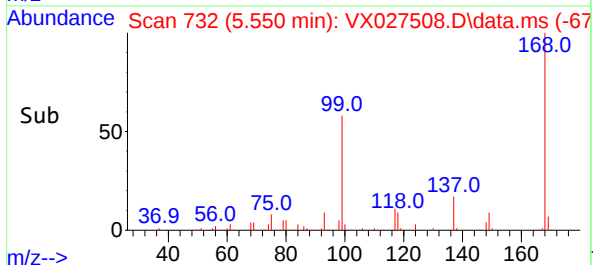
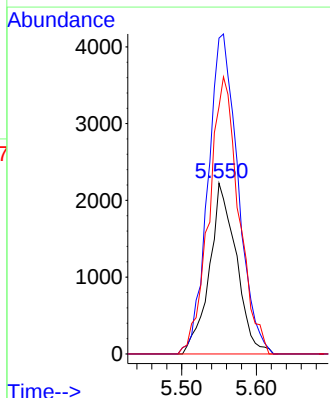
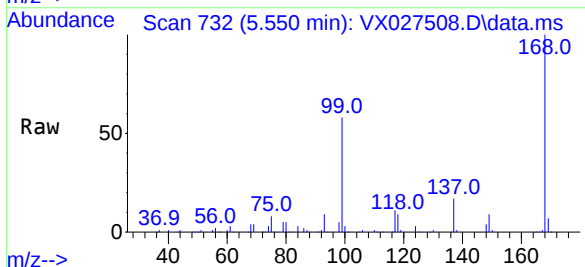
Tgt Ion: 56 Resp: 5566

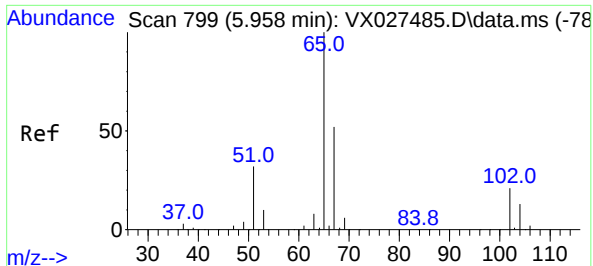
Ion Ratio Lower Upper

56 100

69 185.0 26.7 40.1#

84 144.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 45.431 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027508.D

Acq: 17 Mar 2022 23:42

Instrument :

MSVOA_X

ClientSampleId :

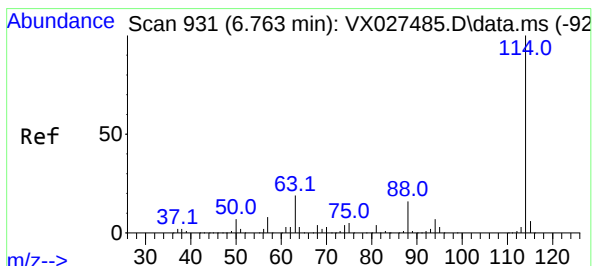
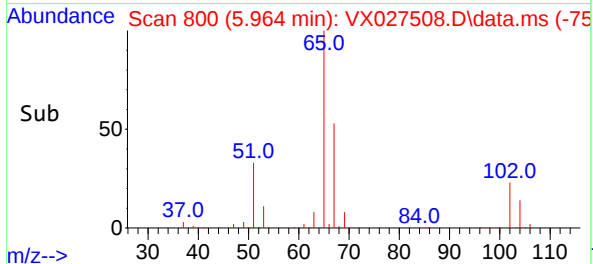
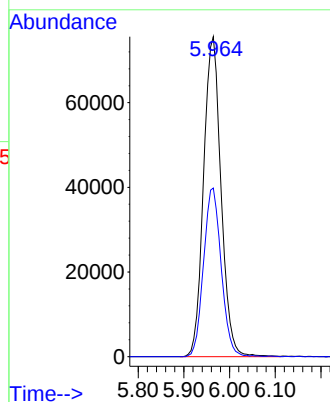
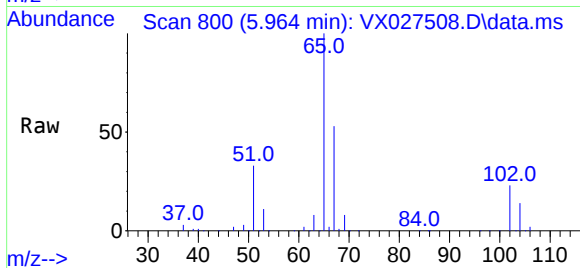
MW-117

Tgt Ion: 65 Resp: 200280

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027508.D

Acq: 17 Mar 2022 23:42

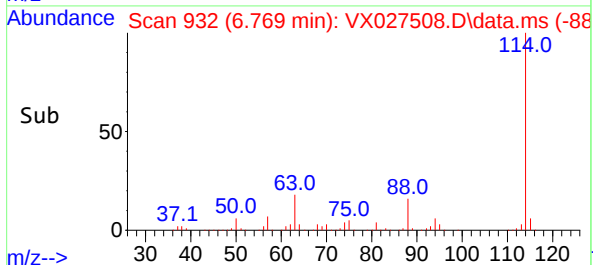
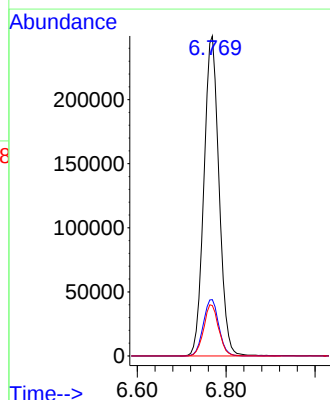
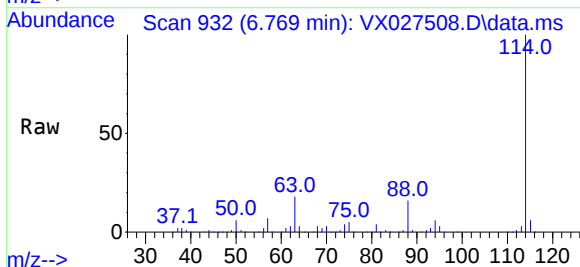
Tgt Ion: 114 Resp: 591548

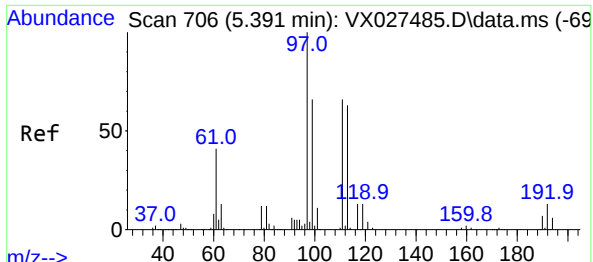
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 15.8 0.0 32.4

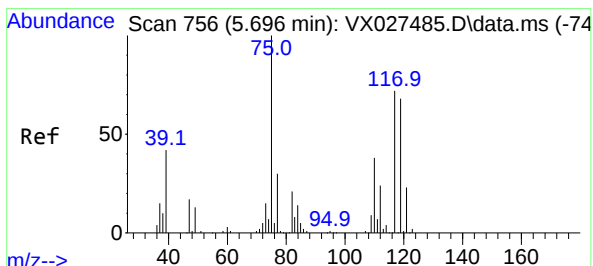
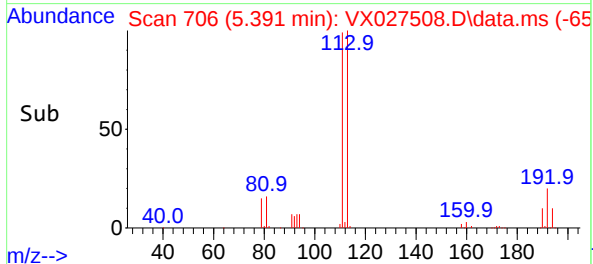
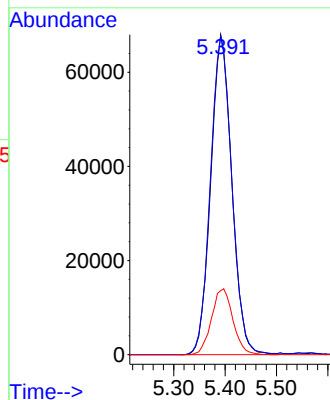
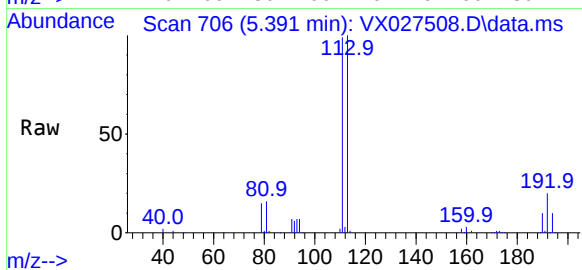




#35
Dibromofluoromethane
Concen: 50.763 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

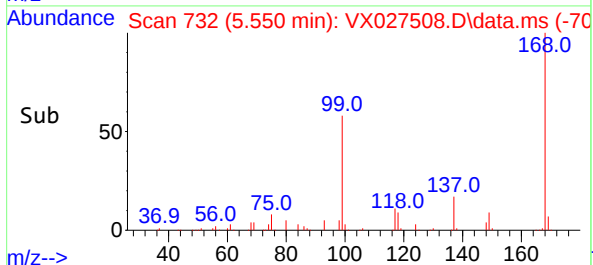
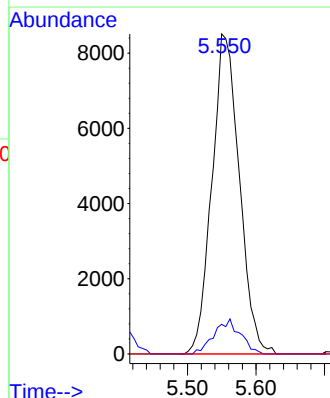
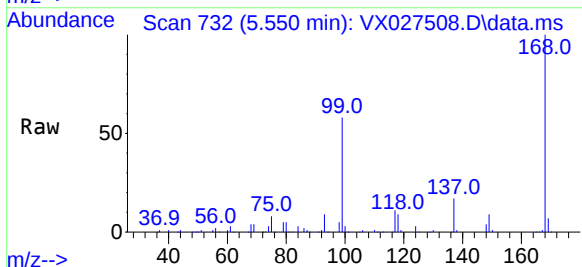
Instrument :
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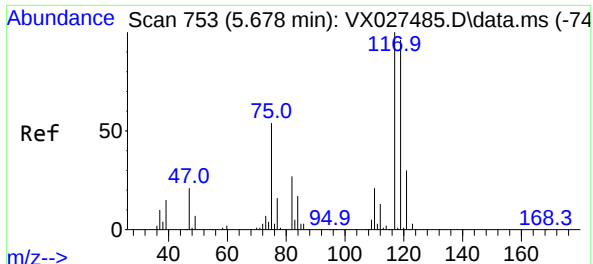
Tgt Ion:113 Resp: 193199
Ion Ratio Lower Upper
113 100
111 101.3 82.8 124.2
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

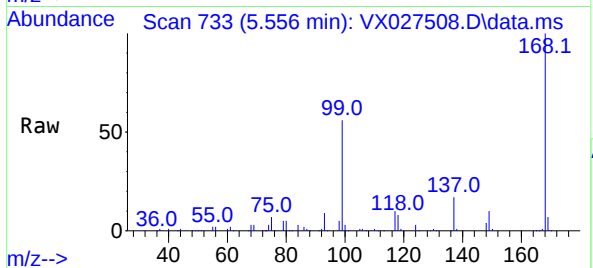
Tgt Ion: 75 Resp: 23625
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#



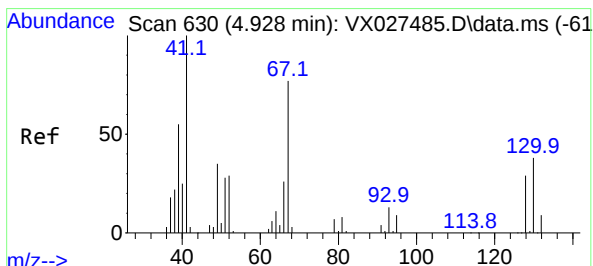
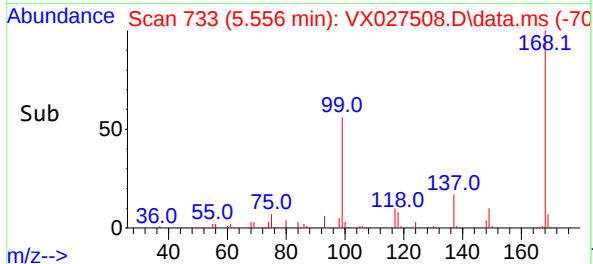
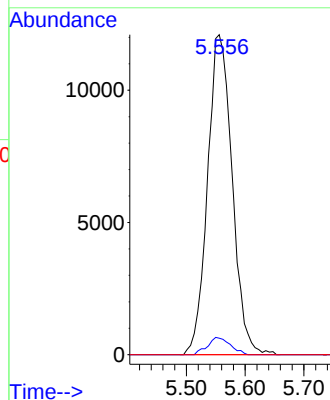


#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Instrument :
MSVOA_X
ClientSampleId :
MW-117

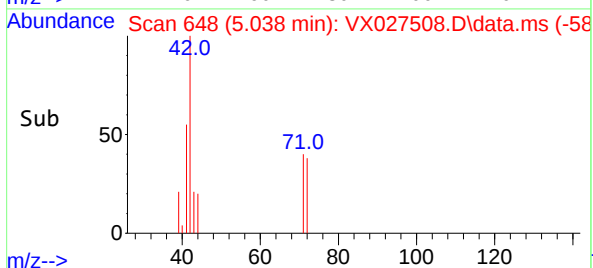
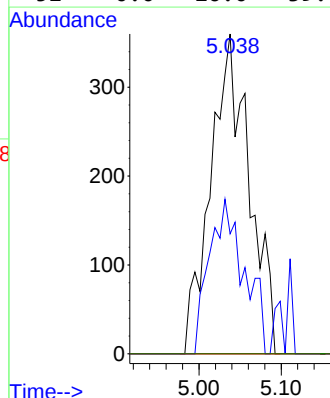
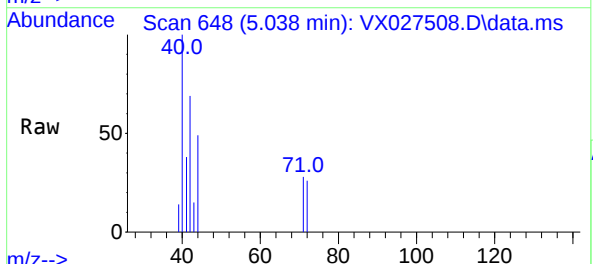


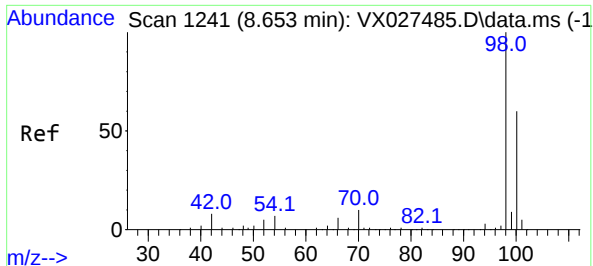
Tgt Ion:117 Resp: 35295
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.417 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 41 Resp: 1180
Ion Ratio Lower Upper
41 100
39 43.6 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

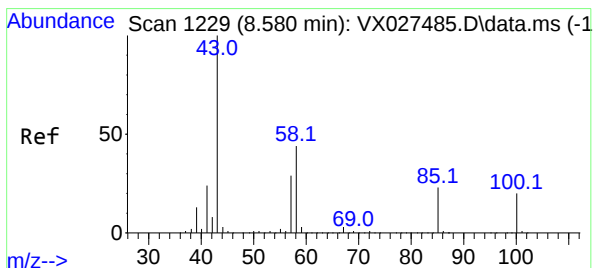
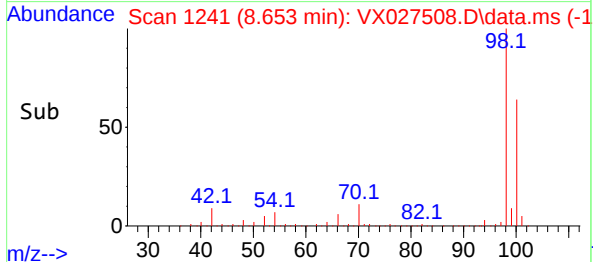
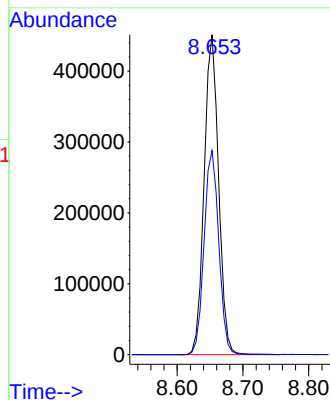
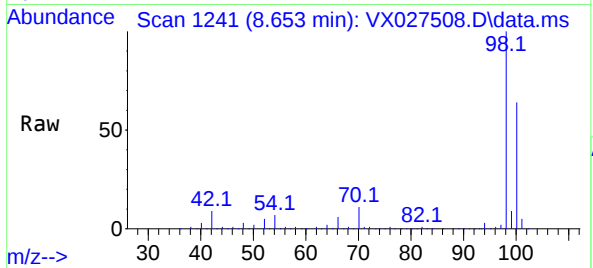




#50
Toluene-d8
Concen: 47.910 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

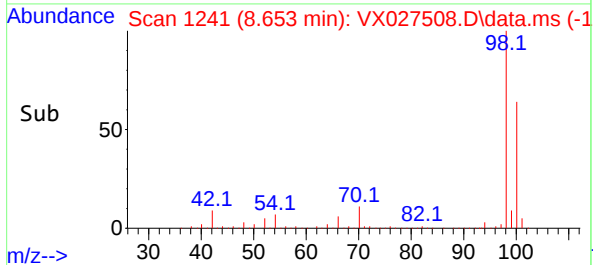
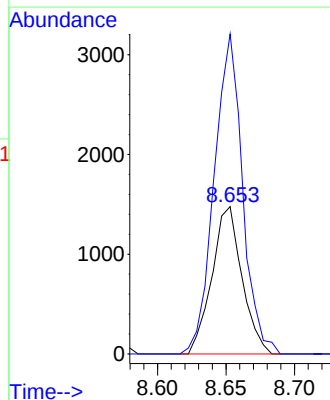
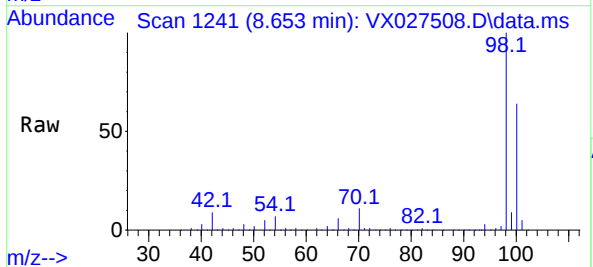
Instrument :
MSVOA_X
ClientSampleId :
MW-117

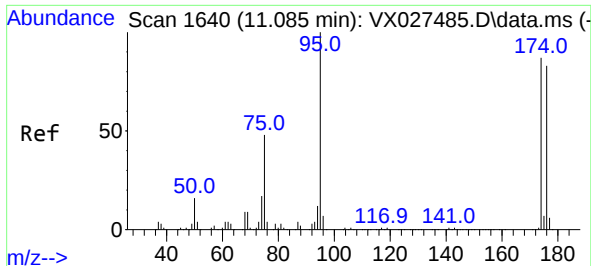
Tgt Ion: 98 Resp: 689993
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.423 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 43 Resp: 2250
Ion Ratio Lower Upper
43 100
58 205.2 36.1 54.1#

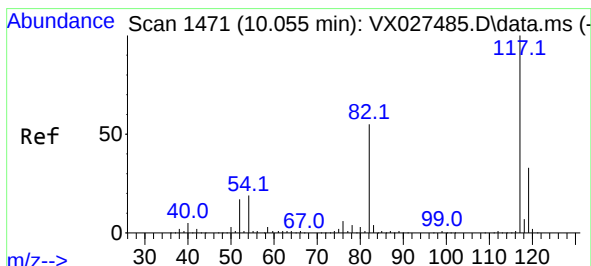
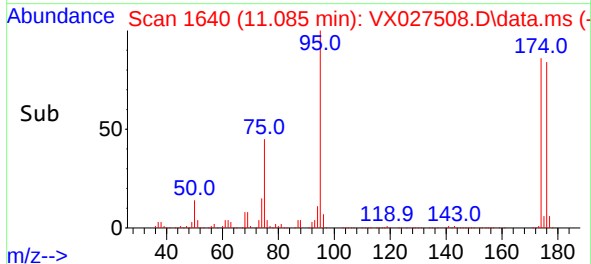
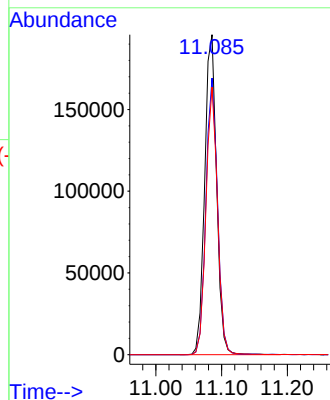
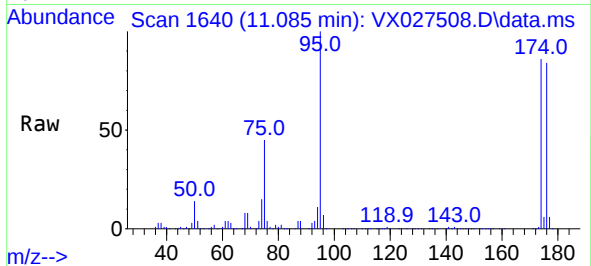




#62
4-Bromofluorobenzene
Concen: 46.541 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

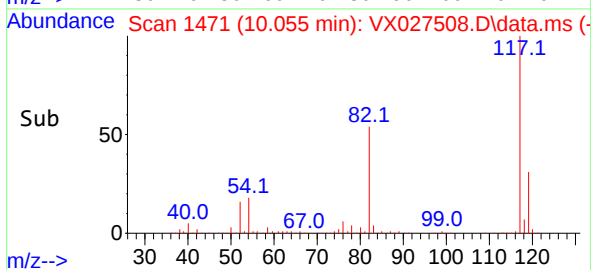
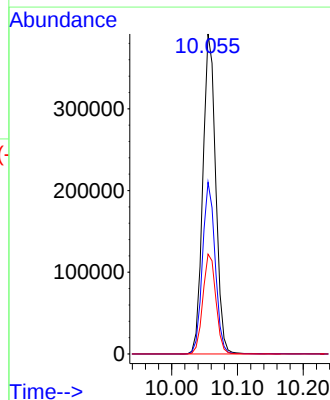
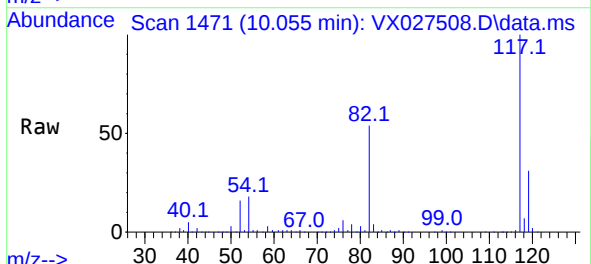
Instrument :
MSVOA_X
ClientSampleId :
MW-117

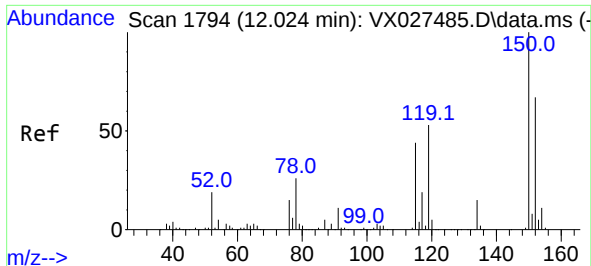
Tgt Ion: 95 Resp: 246367
Ion Ratio Lower Upper
95 100
174 84.4 0.0 163.0
176 81.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 117 Resp: 531617
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 31.2 24.8 37.2

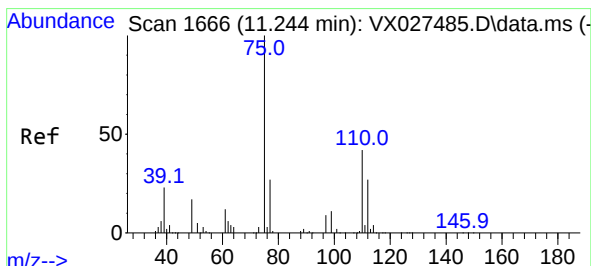
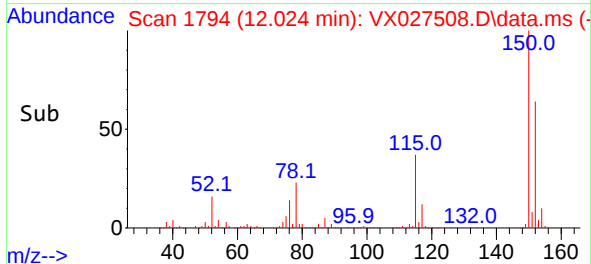
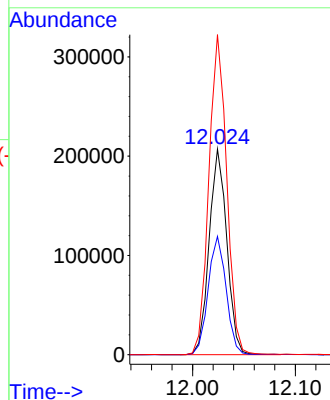
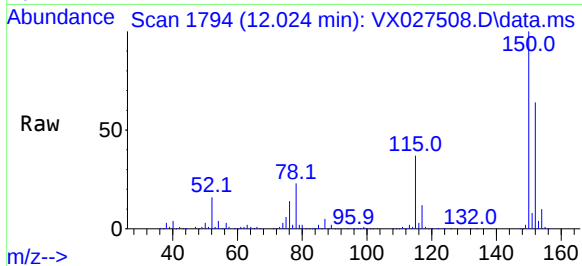




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

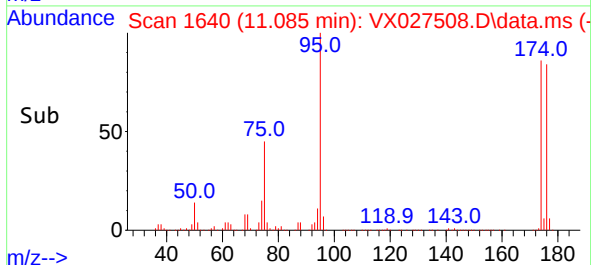
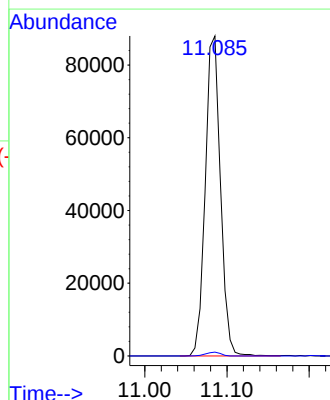
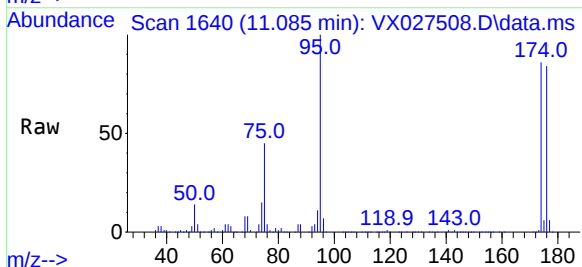
Instrument :
MSVOA_X
ClientSampleId :
MW-117

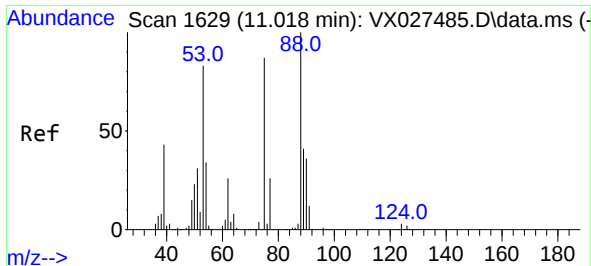
Tgt Ion:152 Resp: 247438
Ion Ratio Lower Upper
152 100
115 58.5 37.5 112.7
150 157.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.819 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027508.D
Acq: 17 Mar 2022 23:42

Tgt Ion: 75 Resp: 112924
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.264 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX027508.D
 Acq: 17 Mar 2022 23:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-117

Tgt Ion: 75 Resp: 112924
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

