

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
 Data File : VX029694.D
 Acq On : 22 Jun 2022 13:17
 Operator : JC/MD
 Sample : N3354-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-62

Quant Time: Jun 23 01:09:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

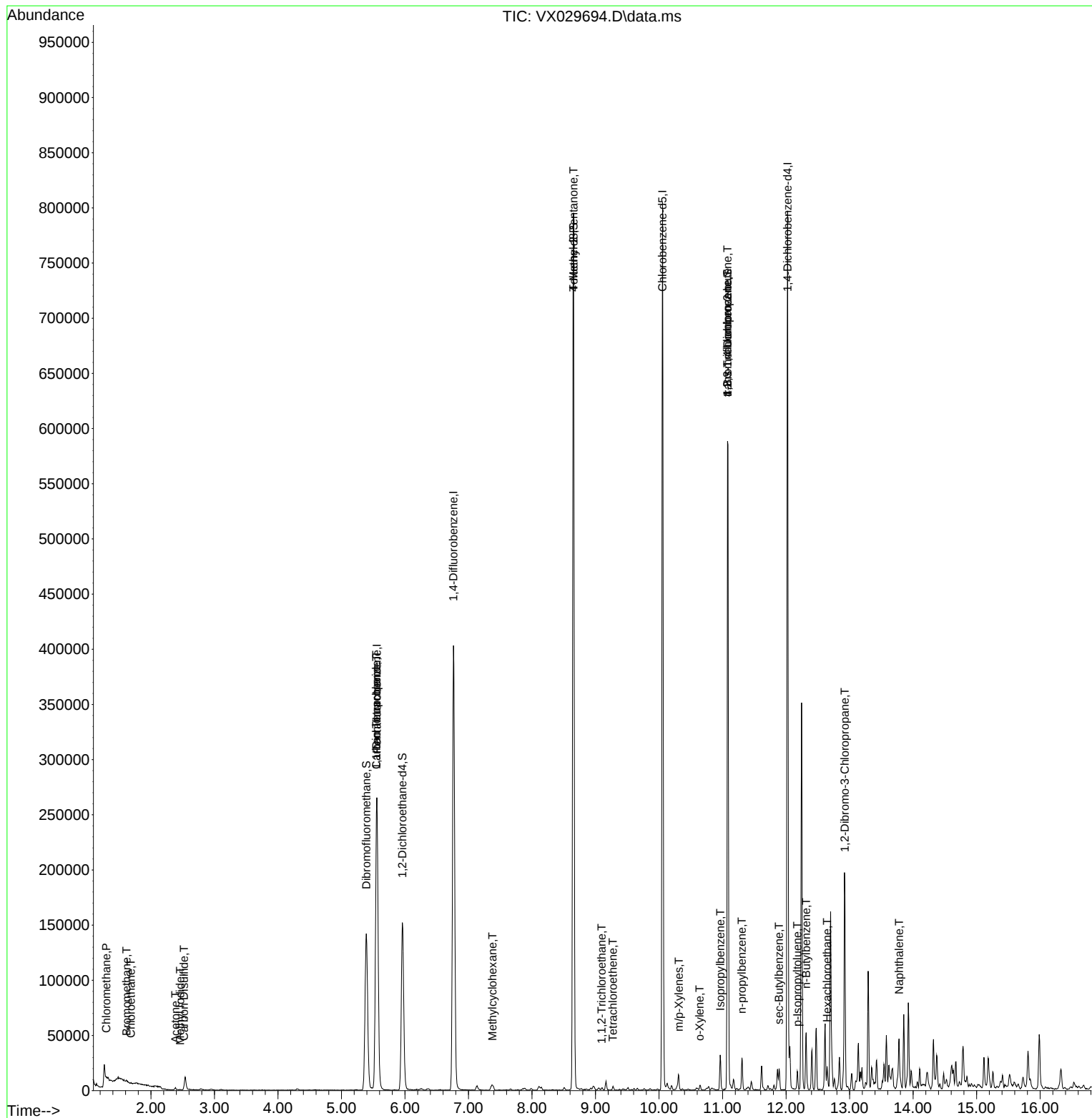
Internal Standards						
1) Pentafluorobenzene	5.556	168	259012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	434319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143199	41.766	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.540%		
35) Dibromofluoromethane	5.391	113	128968	45.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.140%		
50) Toluene-d8	8.653	98	490945	47.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.960%		
62) 4-Bromofluorobenzene	11.079	95	175466	44.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	872	0.258	ug/l	96
5) Bromomethane	1.617	94	729	0.459	ug/l	94
6) Chloroethane	1.685	64	1075	1.722	ug/l #	51
10) Methyl Iodide	2.459	142	645	3.213	ug/l #	91
11) Tert butyl alcohol	2.959	59	714	Below Cal	#	72
16) Acetone	2.386	43	1733	1.268	ug/l #	60
17) Carbon Disulfide	2.520	76	2528	0.372	ug/l #	91
36) 1,1-Dichloropropene	5.550	75	18946	4.946	ug/l #	50
38) Carbon Tetrachloride	5.550	117	26345	6.993	ug/l #	15
39) Methylcyclohexane	7.379	83	1707	0.357	ug/l #	70
44) Trichloroethene	7.135	130	1393	Below Cal		77
51) 4-Methyl-2-Pentanone	8.653	43	1645	0.418	ug/l #	1
55) 1,1,2-Trichloroethane	9.098	97	929	0.316	ug/l #	16
64) Tetrachloroethene	9.275	164	589	0.218	ug/l #	79
68) m/p-Xylenes	10.311	106	3284	0.639	ug/l	98
69) o-Xylene	10.640	106	1136	0.224	ug/l	97
73) Isopropylbenzene	10.963	105	16101	1.283	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	81742	22.411	ug/l #	38
78) n-propylbenzene	11.305	91	17559	1.242	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	81742	74.555	ug/l #	15
85) sec-Butylbenzene	11.890	105	9744	0.763	ug/l	96
86) p-Isopropyltoluene	12.177	119	7053	0.659	ug/l	92
89) n-Butylbenzene	12.317	91	6240	0.691	ug/l #	14
90) Hexachloroethane	12.646	117	5401	3.526	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	12.926	75	594	0.661	ug/l #	1
95) Naphthalene	13.780	128	28979	2.467	ug/l #	94

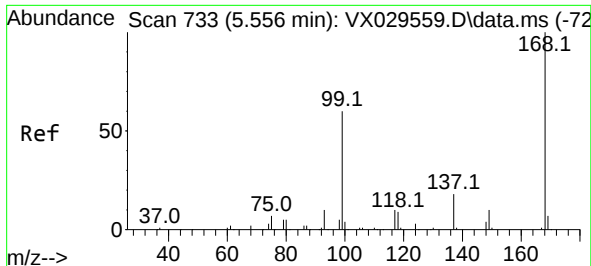
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration

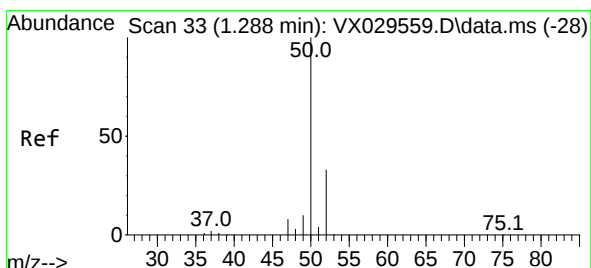
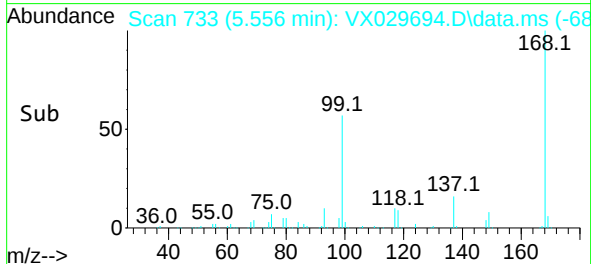
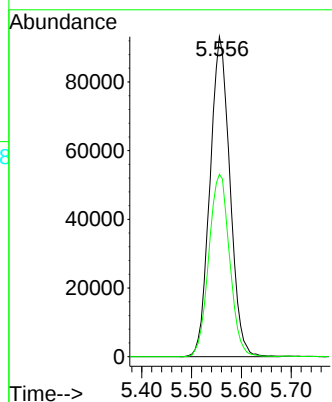
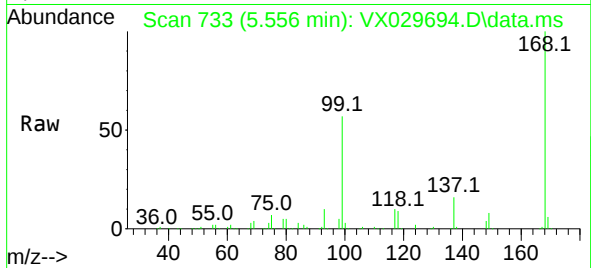




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

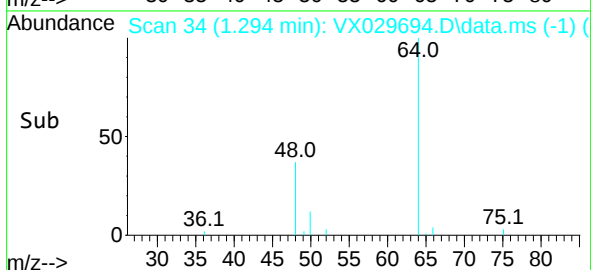
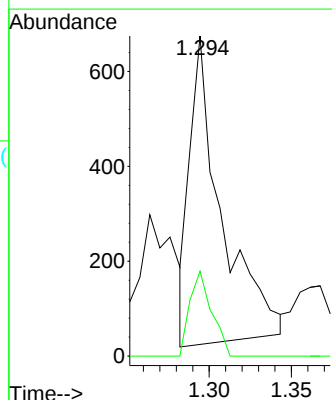
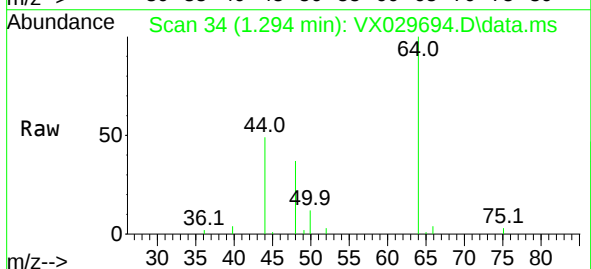
Instrument :
MSVOA_X
ClientSampleId :
MW-62

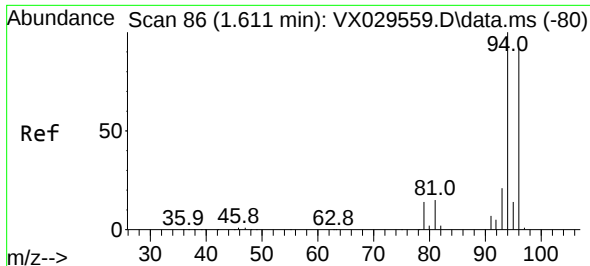
Tgt Ion:168 Resp: 259012
Ion Ratio Lower Upper
168 100
99 57.0 41.7 62.5



#3
Chloromethane
Concen: 0.258 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 50 Resp: 872
Ion Ratio Lower Upper
50 100
52 30.5 26.4 39.6

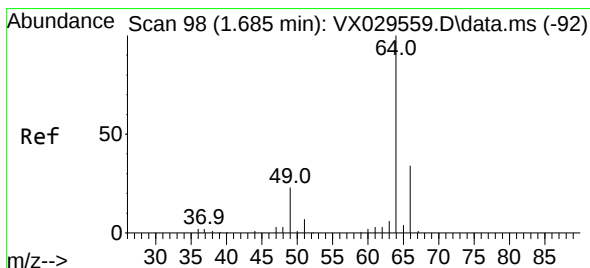
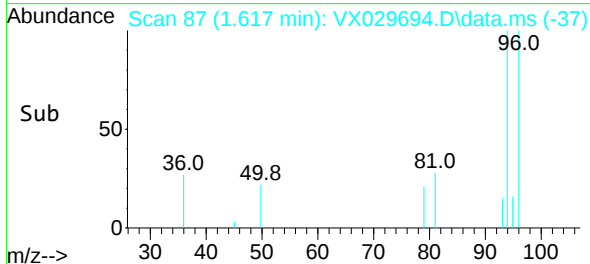
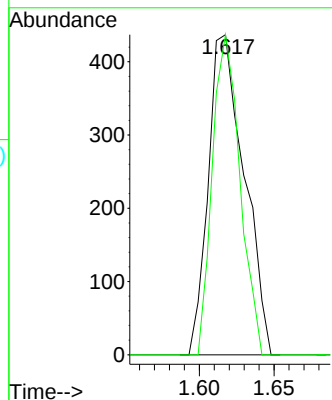
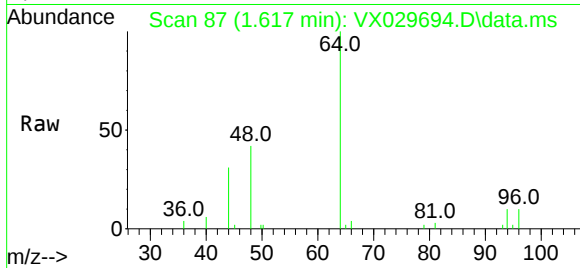




#5
Bromomethane
Concen: 0.459 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

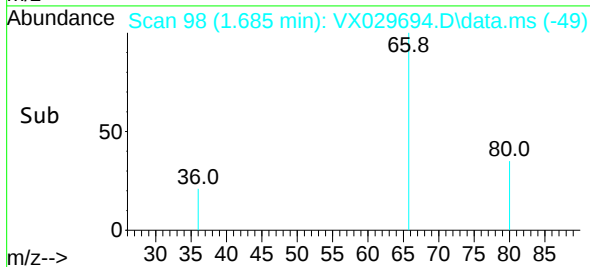
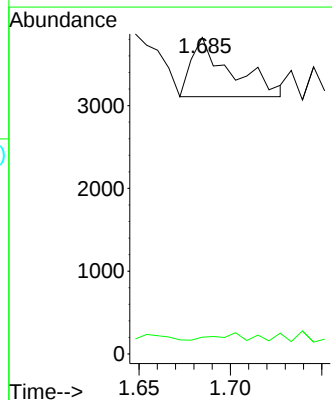
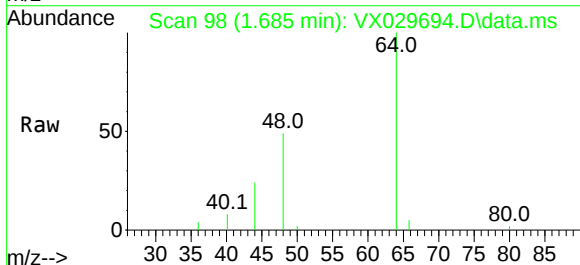
Instrument :
MSVOA_X
ClientSampleId :
MW-62

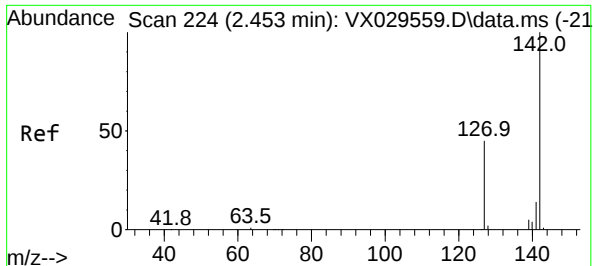
Tgt Ion: 94 Resp: 729
Ion Ratio Lower Upper
94 100
96 100.0 75.3 112.9



#6
Chloroethane
Concen: 1.722 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 64 Resp: 1075
Ion Ratio Lower Upper
64 100
66 4.5 25.3 37.9#

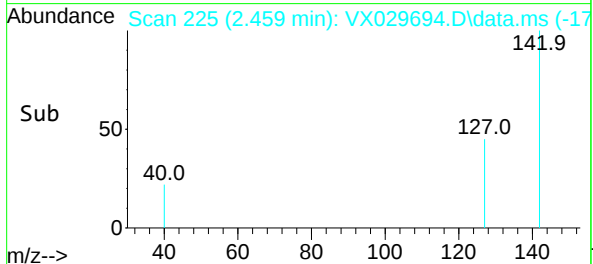
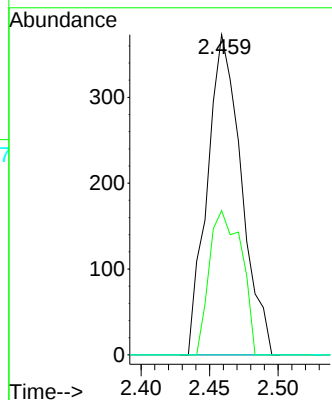
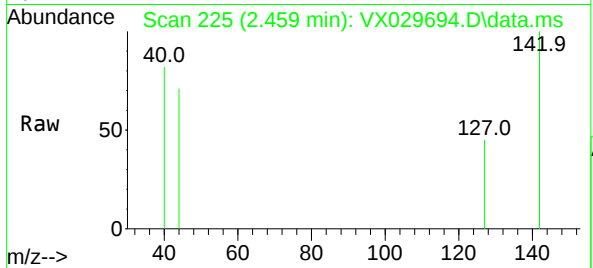




#10
Methyl Iodide
Concen: 3.213 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

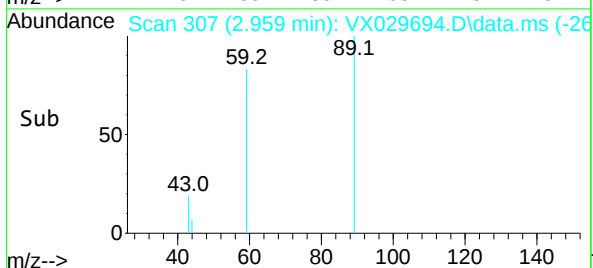
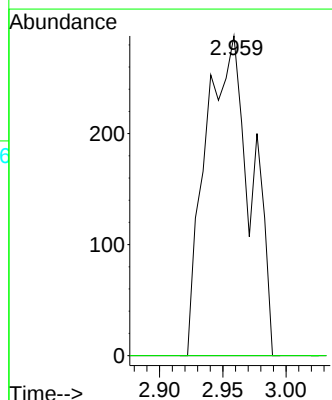
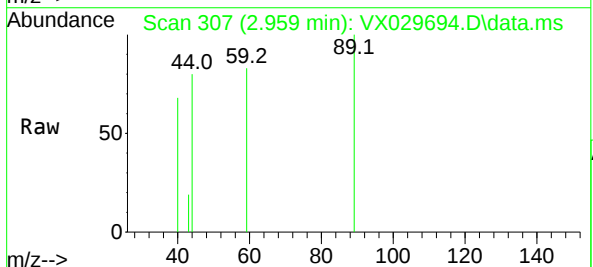
Instrument :
MSVOA_X
ClientSampleId :
MW-62

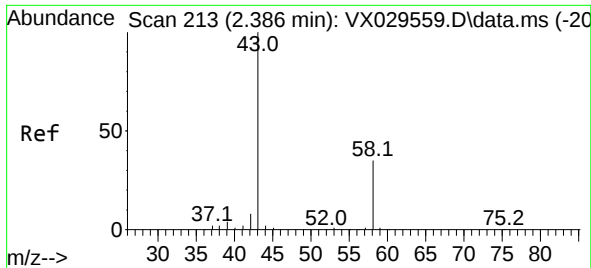
Tgt Ion:142 Resp: 645
Ion Ratio Lower Upper
142 100
127 42.5 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

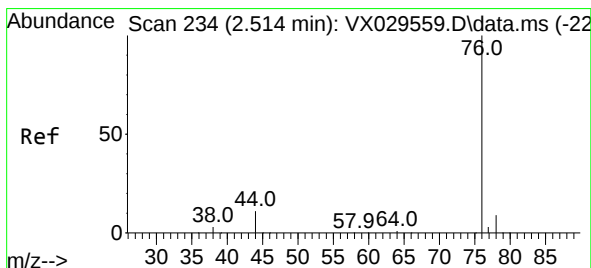
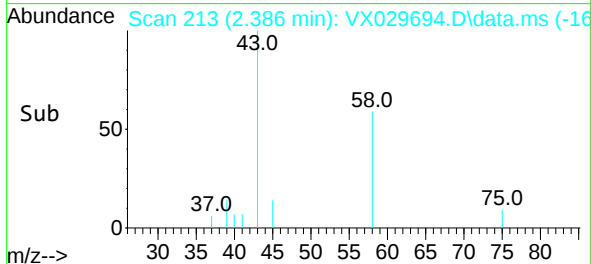
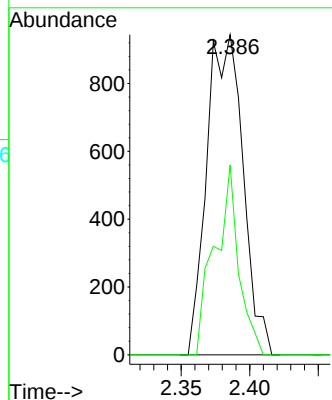
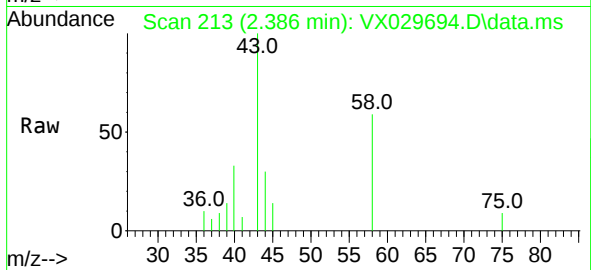




#16
Acetone
Concen: 1.268 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

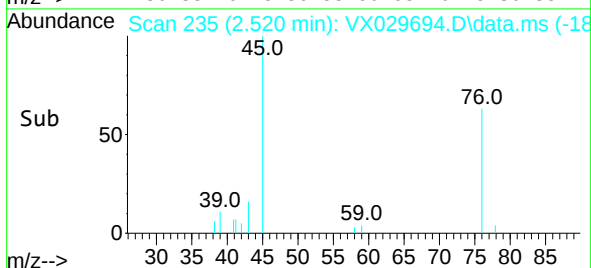
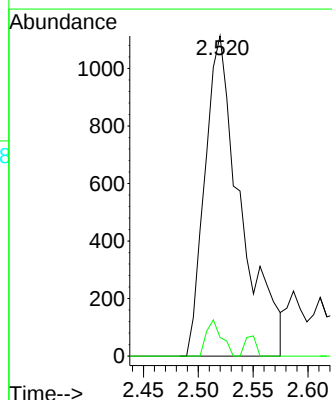
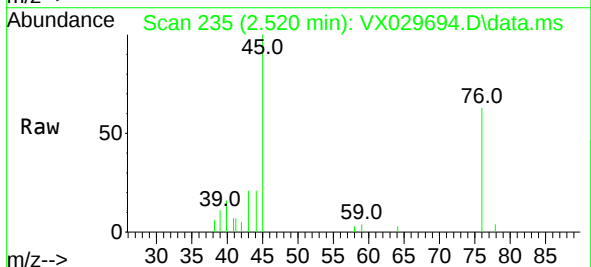
Instrument :
MSVOA_X
ClientSampleId :
MW-62

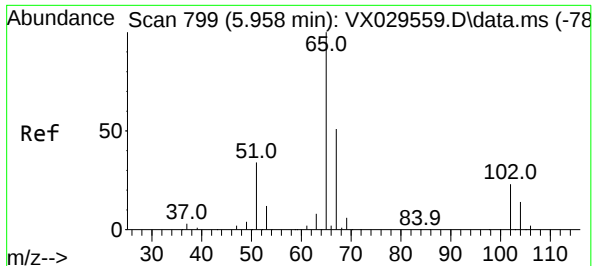
Tgt Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
58 59.3 28.8 43.2#



#17
Carbon Disulfide
Concen: 0.372 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 76 Resp: 2528
Ion Ratio Lower Upper
76 100
78 5.8 7.2 10.8#





#33

1,2-Dichloroethane-d4

Concen: 41.766 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Instrument :

MSVOA_X

ClientSampleId :

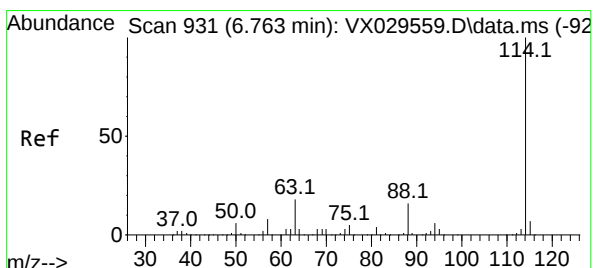
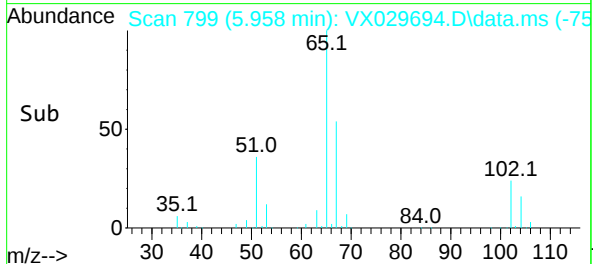
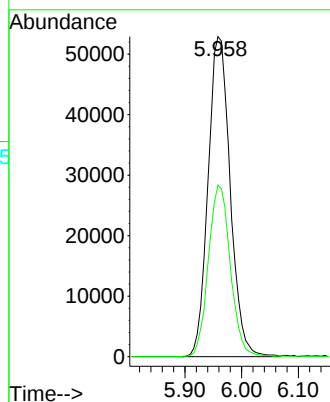
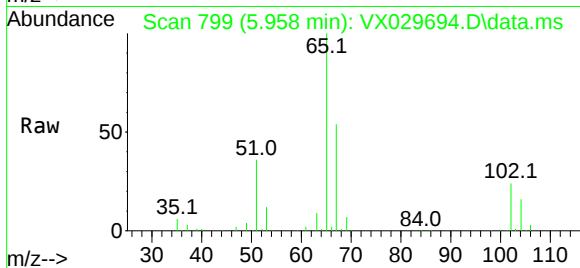
MW-62

Tgt Ion: 65 Resp: 143199

Ion Ratio Lower Upper

65 100

67 53.4 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: VX029694.D

Acq: 22 Jun 2022 13:17

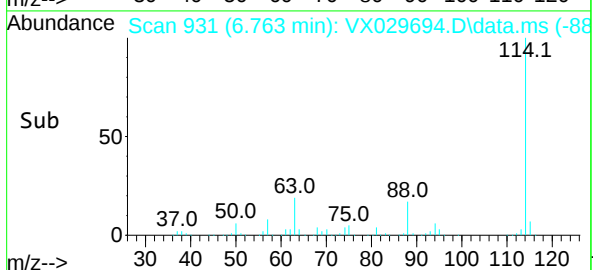
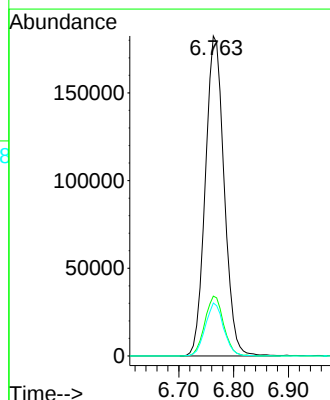
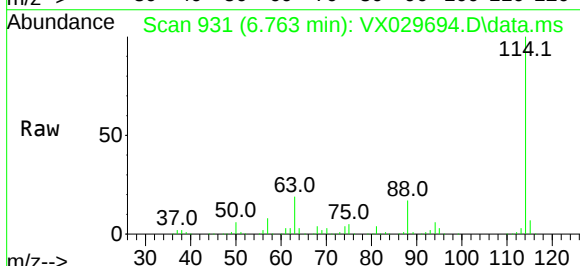
Tgt Ion: 114 Resp: 434319

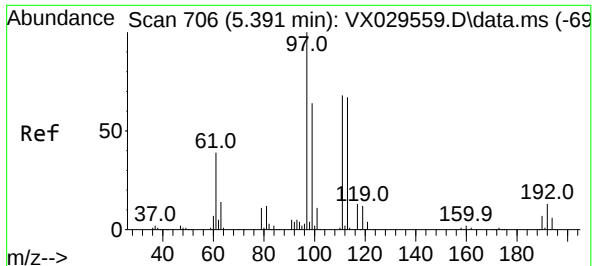
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.565 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Instrument :

MSVOA_X

ClientSampleId :

MW-62

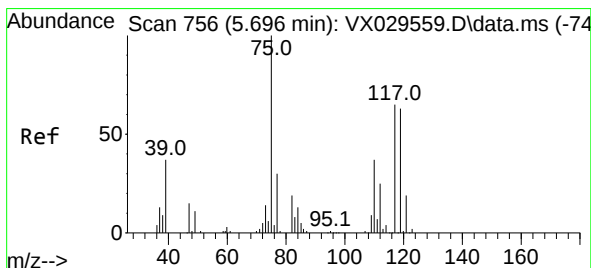
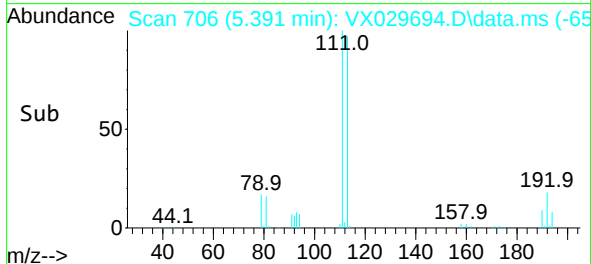
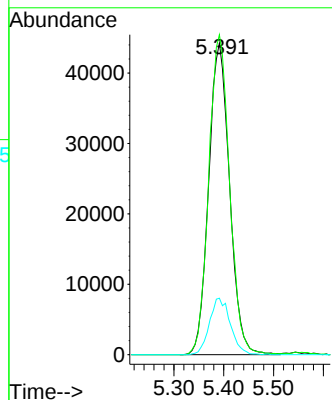
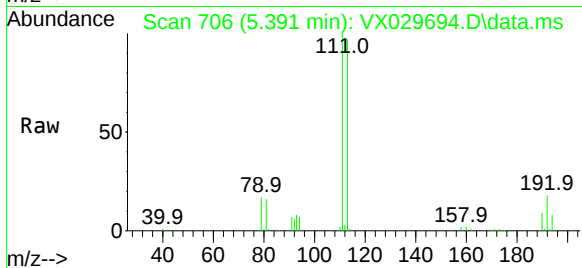
Tgt Ion:113 Resp: 128968

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.946 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

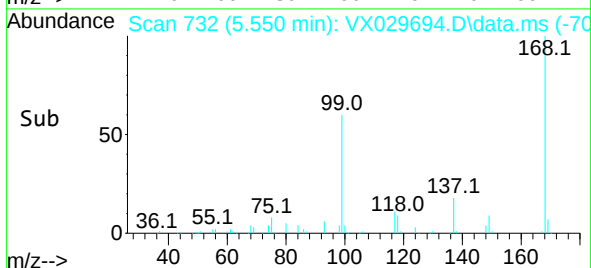
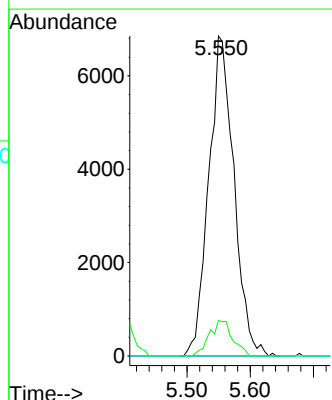
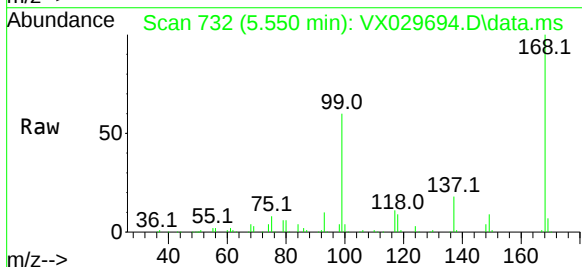
Tgt Ion: 75 Resp: 18946

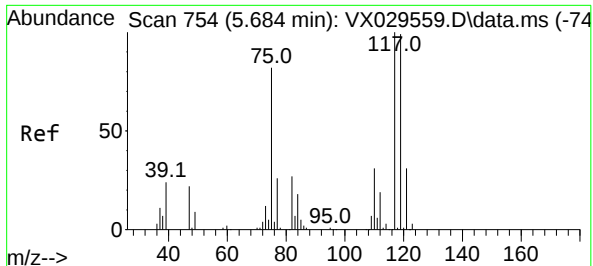
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#

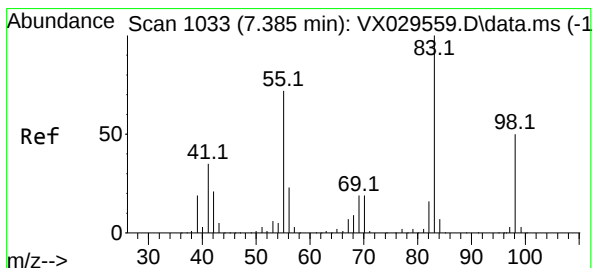
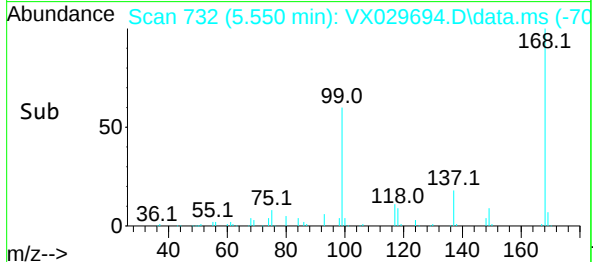
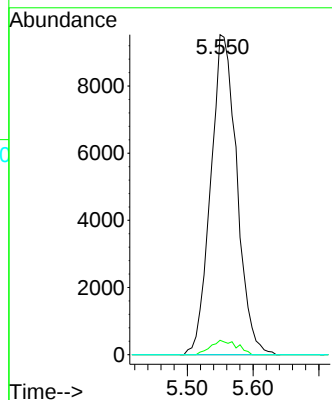
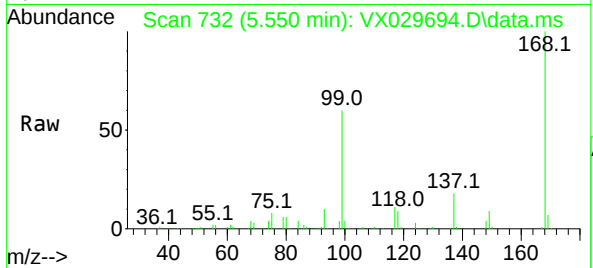




#38
Carbon Tetrachloride
Concen: 6.993 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

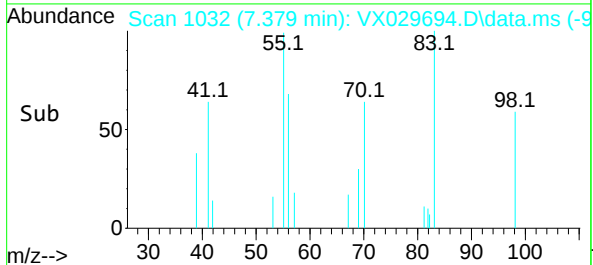
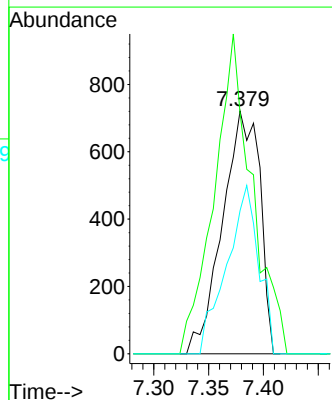
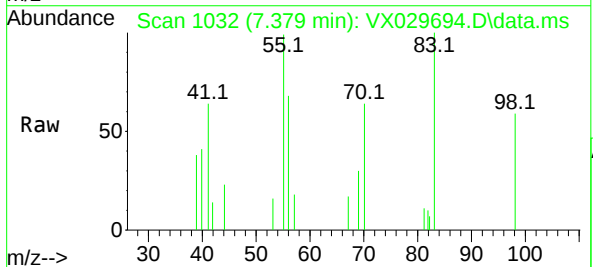
Instrument :
MSVOA_X
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MW-62

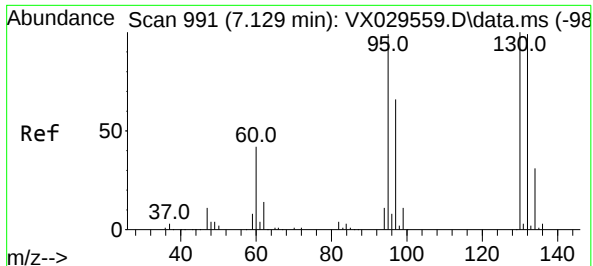
Tgt Ion:117 Resp: 26345
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.357 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 83 Resp: 1707
Ion Ratio Lower Upper
83 100
55 99.3 54.6 81.8#
98 58.9 37.4 56.2#

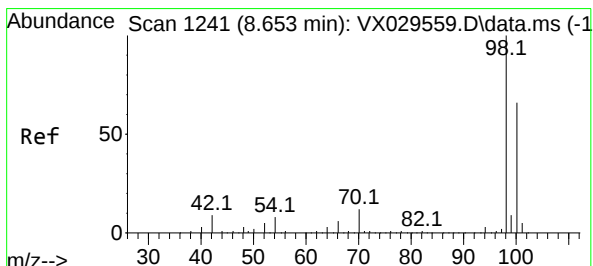
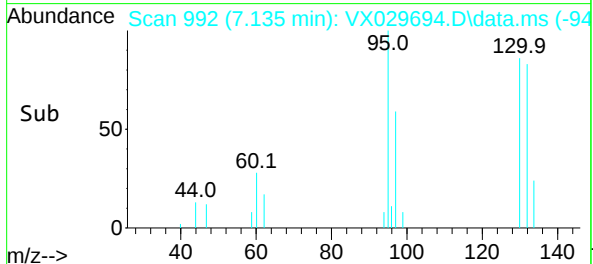
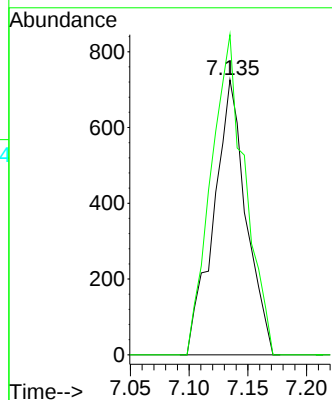
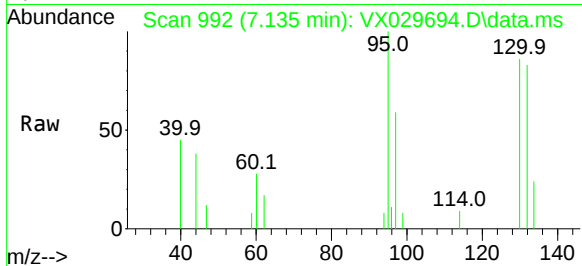




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.135 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX029694.D
 Acq: 22 Jun 2022 13:17

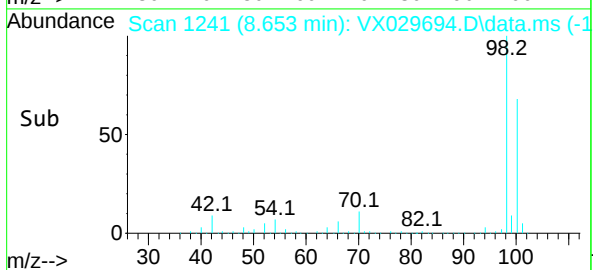
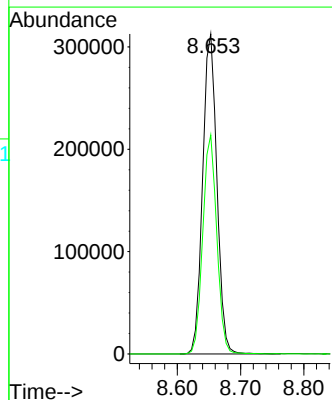
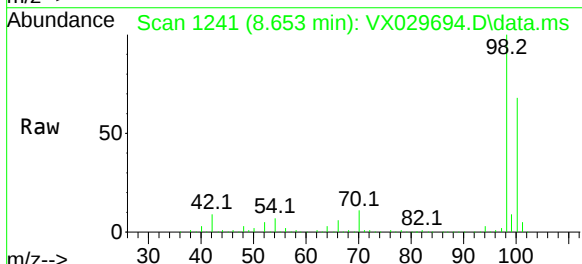
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-62

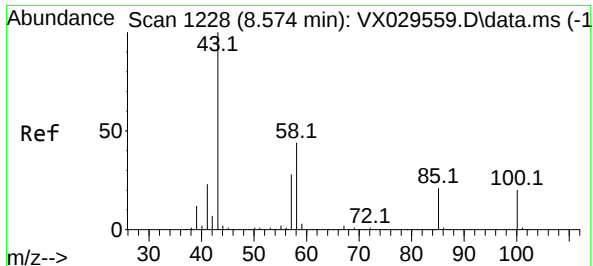
Tgt Ion:130 Resp: 1393
 Ion Ratio Lower Upper
 130 100
 95 116.4 0.0 188.8



#50
 Toluene-d8
 Concen: 47.480 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX029694.D
 Acq: 22 Jun 2022 13:17

Tgt Ion: 98 Resp: 490945
 Ion Ratio Lower Upper
 98 100
 100 67.3 52.6 78.8

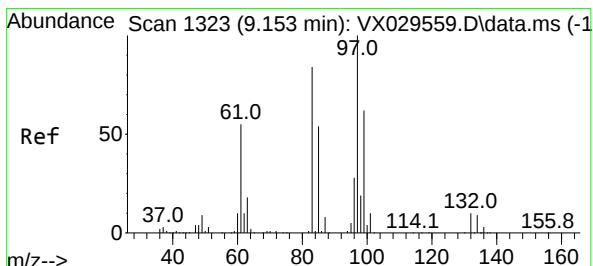
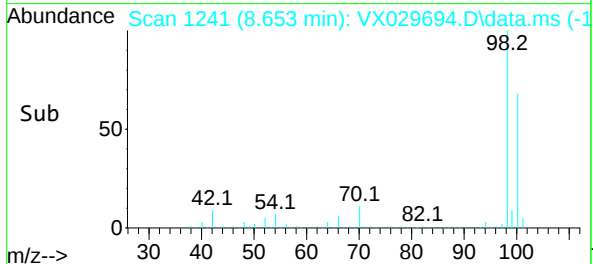
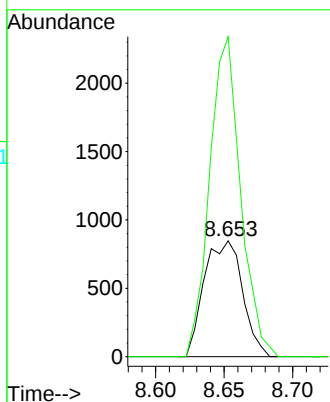
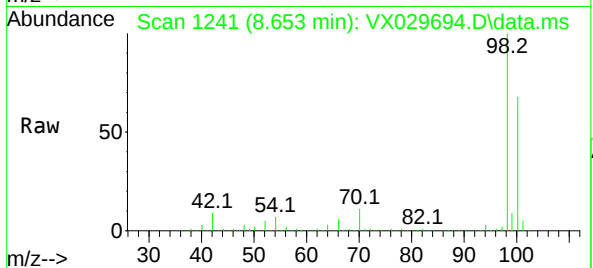




#51
 4-Methyl-2-Pentanone
 Concen: 0.418 ug/l
 RT: 8.653 min Scan# 11
 Delta R.T. 0.079 min
 Lab File: VX029694.D
 Acq: 22 Jun 2022 13:17

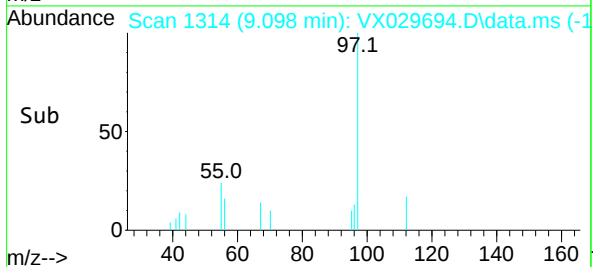
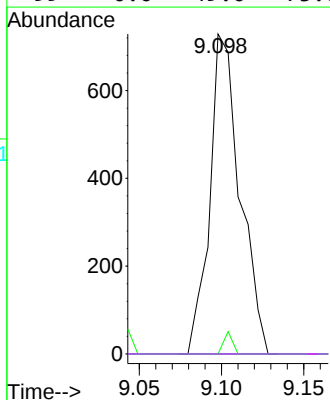
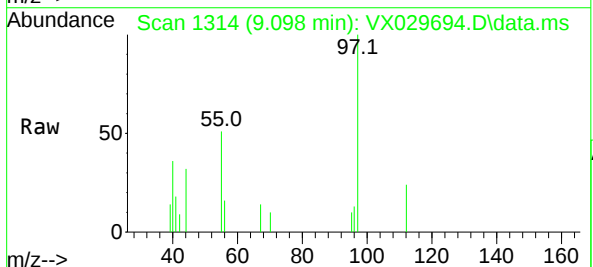
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-62

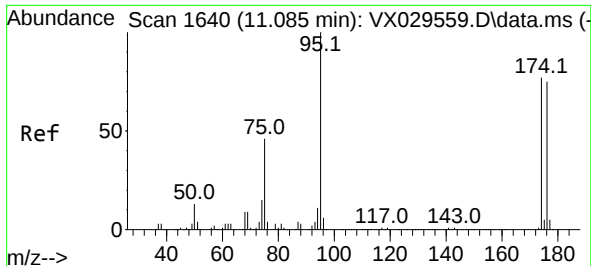
Tgt Ion: 43 Resp: 1645
 Ion Ratio Lower Upper
 43 100
 58 223.3 36.1 54.1#



#55
 1,1,2-Trichloroethane
 Concen: 0.316 ug/l
 RT: 9.098 min Scan# 1314
 Delta R.T. -0.055 min
 Lab File: VX029694.D
 Acq: 22 Jun 2022 13:17

Tgt Ion: 97 Resp: 929
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.2 99.4#
 85 0.0 42.9 64.3#
 99 0.0 49.0 73.6#





#62

4-Bromofluorobenzene

Concen: 44.999 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Instrument :

MSVOA_X

ClientSampleId :

MW-62

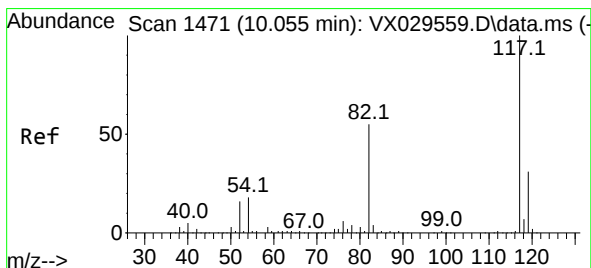
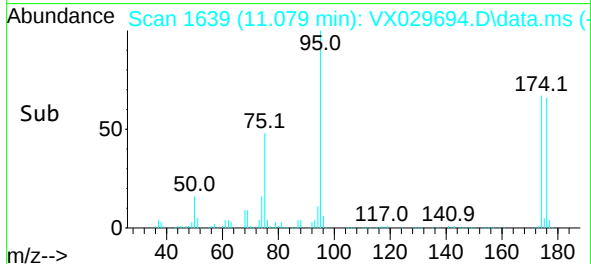
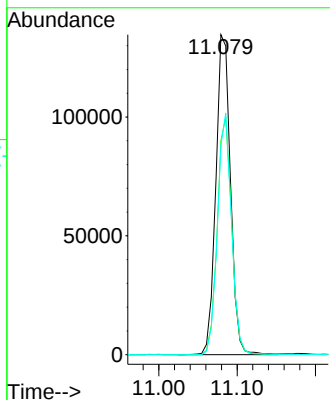
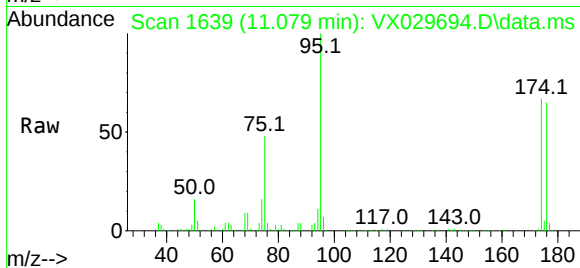
Tgt Ion: 95 Resp: 175466

Ion Ratio Lower Upper

95 100

174 73.0 0.0 163.0

176 72.3 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: VX029694.D

Acq: 22 Jun 2022 13:17

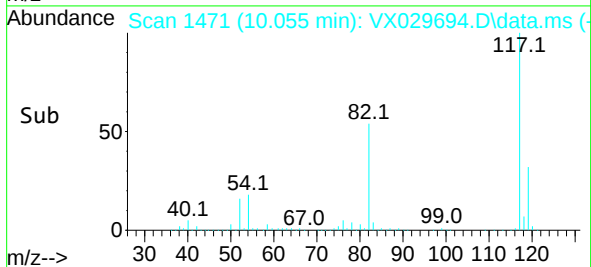
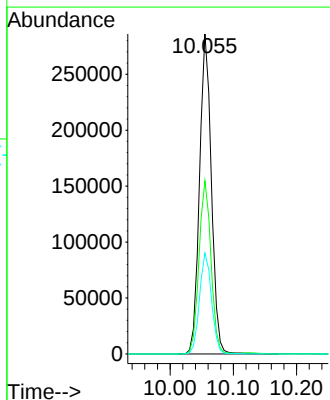
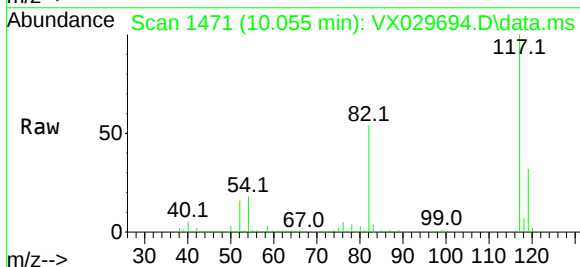
Tgt Ion: 117 Resp: 373426

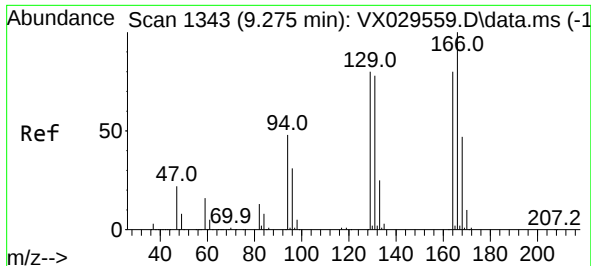
Ion Ratio Lower Upper

117 100

82 54.1 41.8 62.8

119 31.5 24.8 37.2



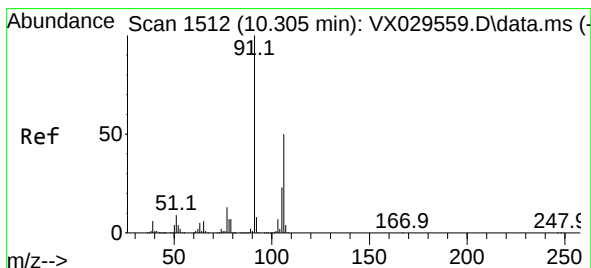
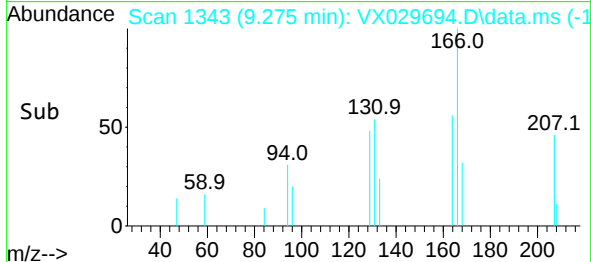
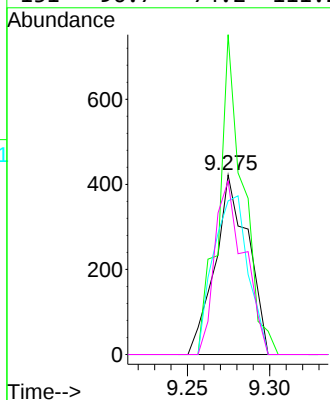
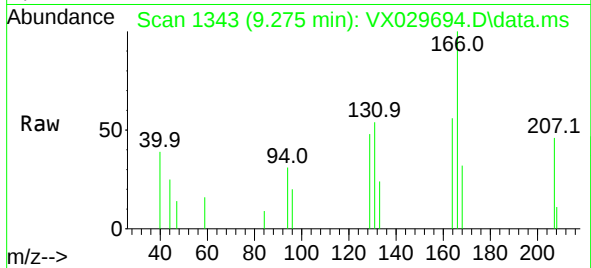


#64
Tetrachloroethene
Concen: 0.218 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Instrument :
MSVOA_X
ClientSampleId :
MW-62

Tgt Ion:164 Resp: 589

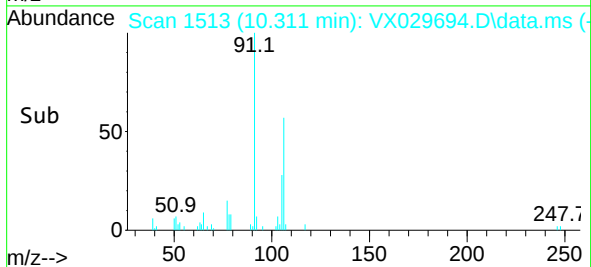
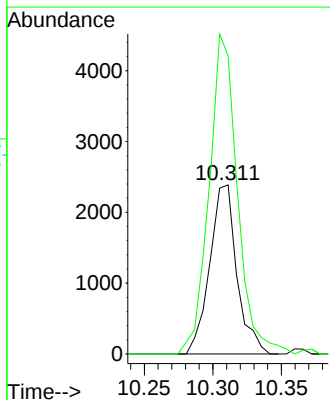
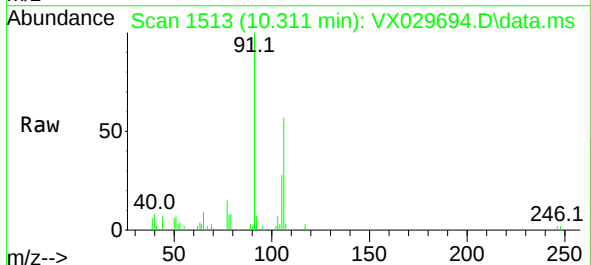
Ion	Ratio	Lower	Upper
164	100		
166	178.2	101.2	151.8#
129	85.5	73.0	109.4
131	96.7	74.2	111.2

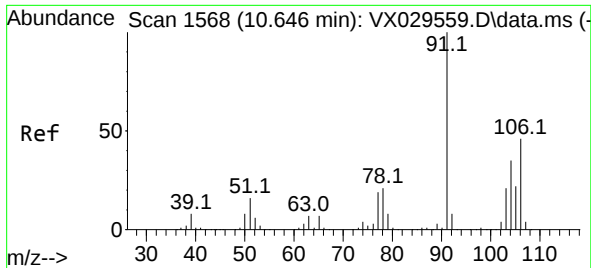


#68
m/p-Xylenes
Concen: 0.639 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion:106 Resp: 3284

Ion	Ratio	Lower	Upper
106	100		
91	197.8	160.4	240.6

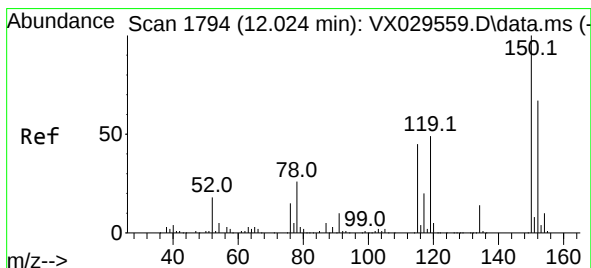
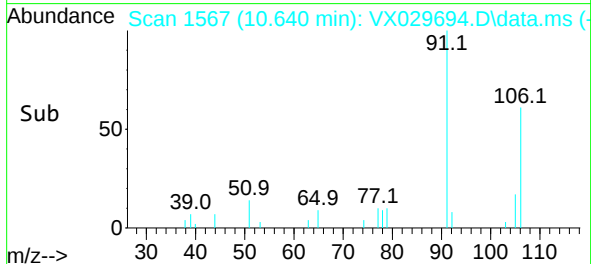
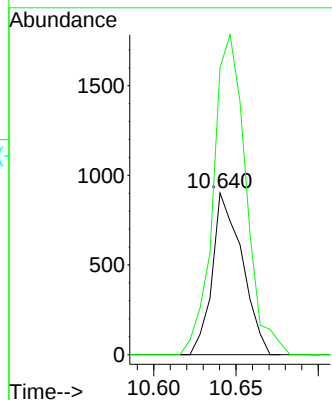
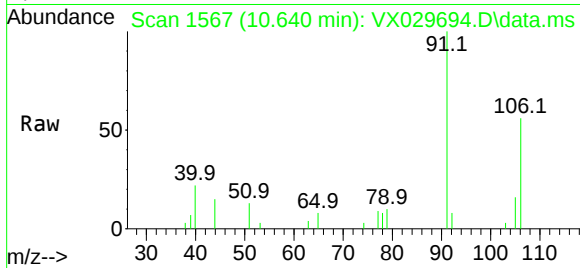




#69
o-Xylene
Concen: 0.224 ug/l
RT: 10.640 min Scan# 1136
Delta R.T. -0.006 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

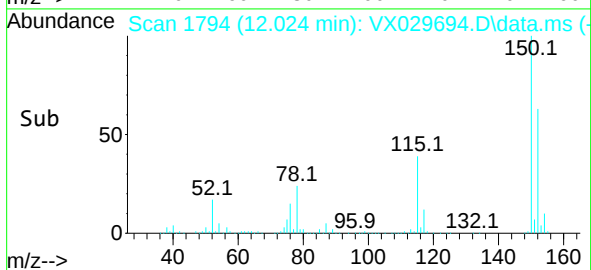
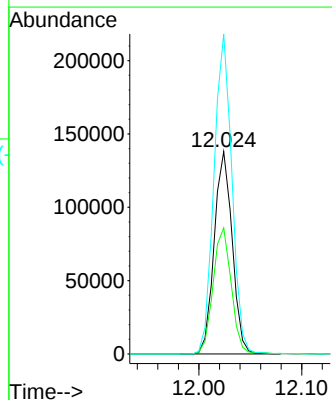
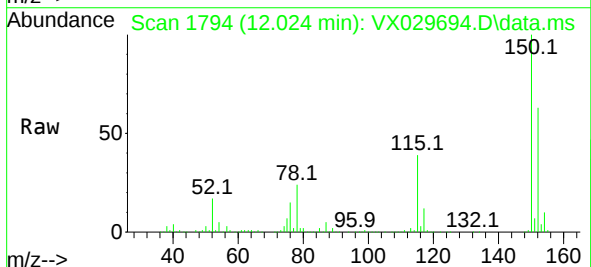
Instrument :
MSVOA_X
ClientSampleId :
MW-62

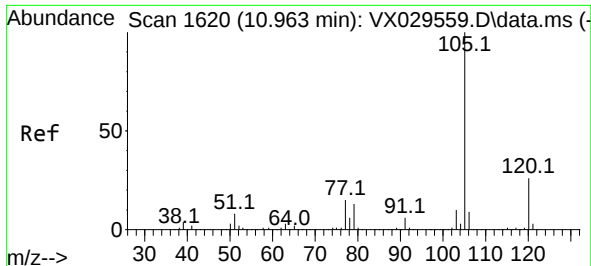
Tgt Ion:106 Resp: 1136
Ion Ratio Lower Upper
106 100
91 217.2 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion:152 Resp: 167430
Ion Ratio Lower Upper
152 100
115 63.4 37.5 112.7
150 157.8 0.0 338.2

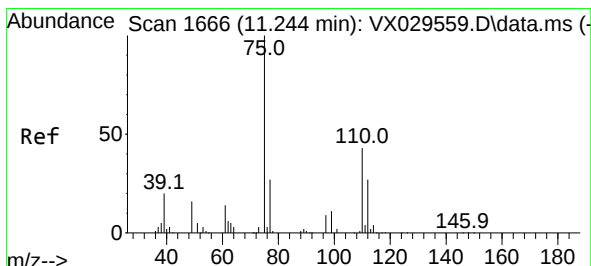
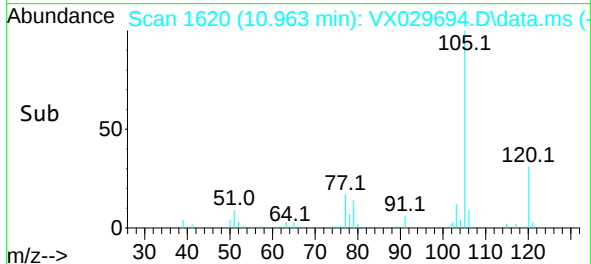
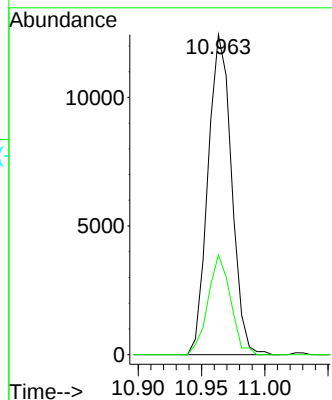
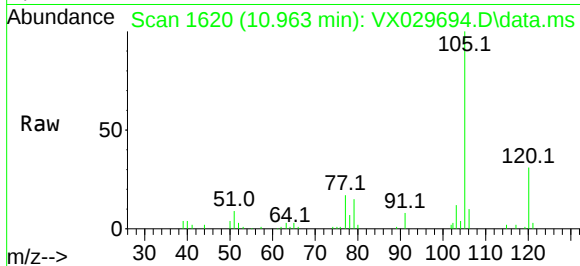




#73
Isopropylbenzene
Concen: 1.283 ug/l
RT: 10.963 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

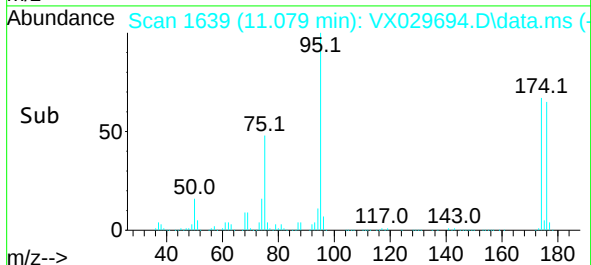
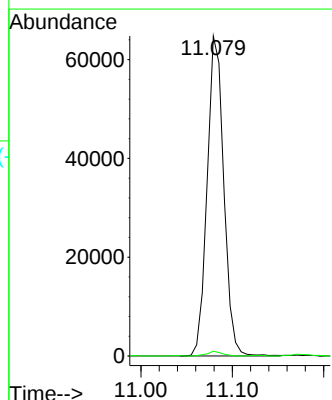
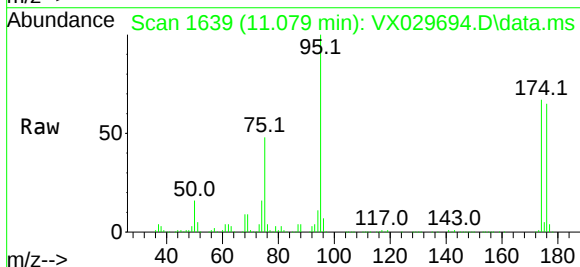
Instrument :
MSVOA_X
ClientSampleId :
MW-62

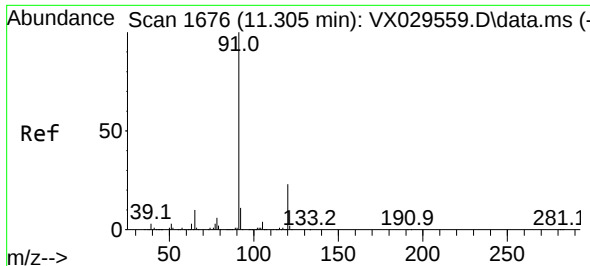
Tgt Ion:105 Resp: 16101
Ion Ratio Lower Upper
105 100
120 29.8 13.5 40.5



#76
1,2,3-Trichloropropane
Concen: 22.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 75 Resp: 81742
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#

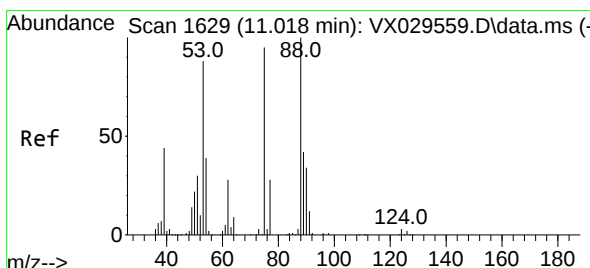
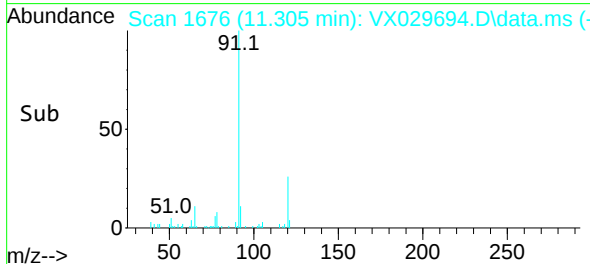
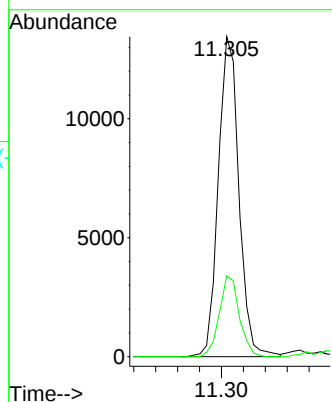
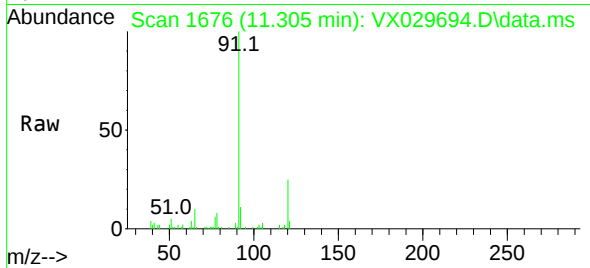




#78
n-propylbenzene
Concen: 1.242 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

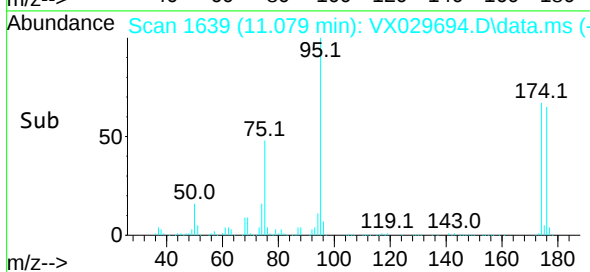
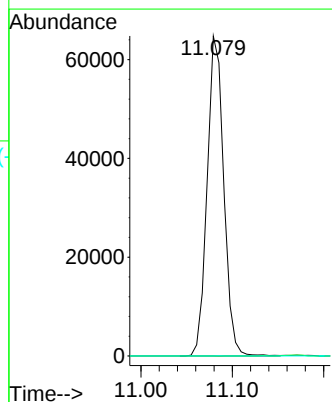
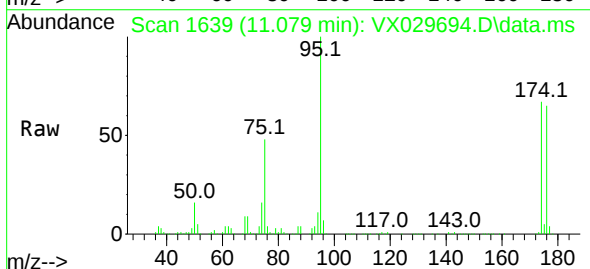
Instrument :
MSVOA_X
ClientSampleId :
MW-62

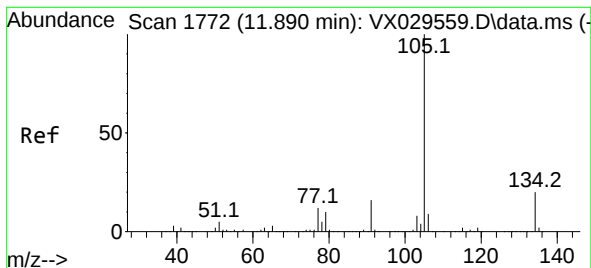
Tgt Ion: 91 Resp: 17559
Ion Ratio Lower Upper
91 100
120 24.5 11.6 34.8



#81
trans-1,4-Dichloro-2-butene
Concen: 74.555 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029694.D
Acq: 22 Jun 2022 13:17

Tgt Ion: 75 Resp: 81742
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#85

sec-Butylbenzene

Concen: 0.763 ug/l

RT: 11.890 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Instrument :

MSVOA_X

ClientSampleId :

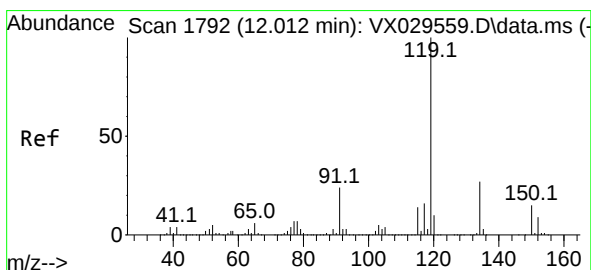
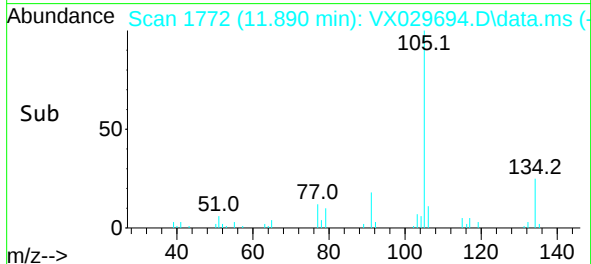
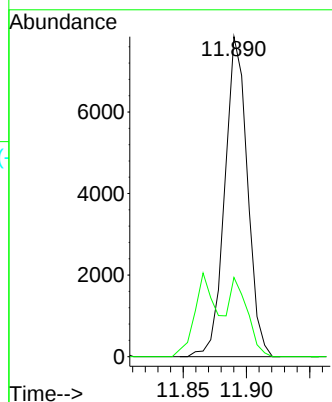
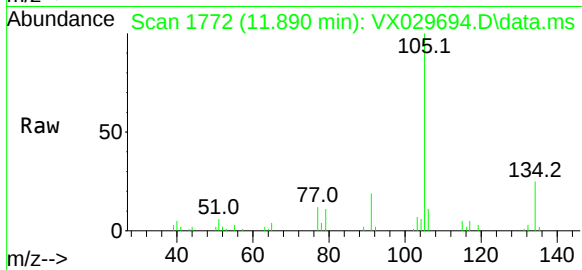
MW-62

Tgt Ion:105 Resp: 9744

Ion Ratio Lower Upper

105 100

134 18.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 0.659 ug/l

RT: 12.177 min Scan# 1819

Delta R.T. 0.165 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

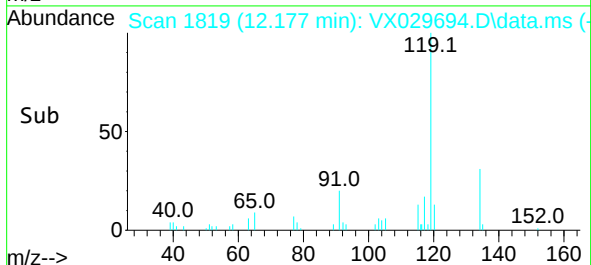
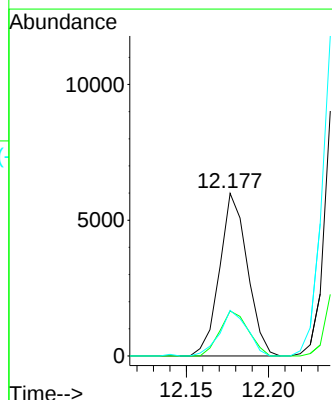
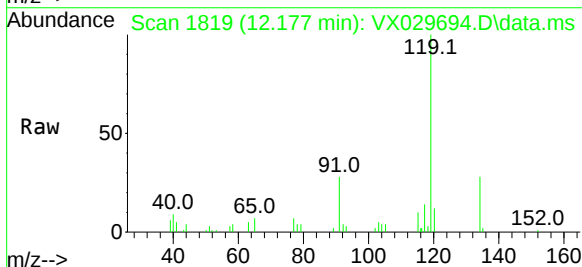
Tgt Ion:119 Resp: 7053

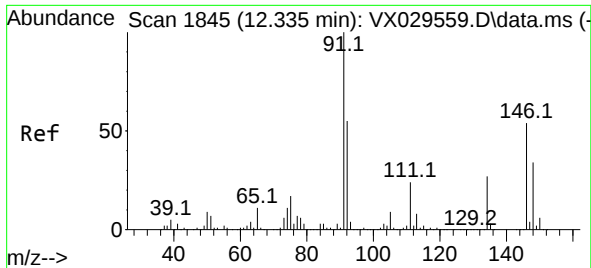
Ion Ratio Lower Upper

119 100

134 28.4 13.0 39.0

91 28.0 11.3 33.9





#89

n-Butylbenzene

Concen: 0.691 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Instrument :

MSVOA_X

ClientSampleId :

MW-62

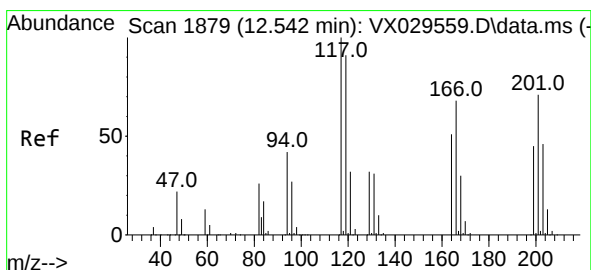
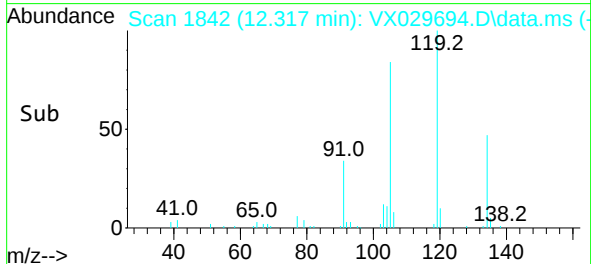
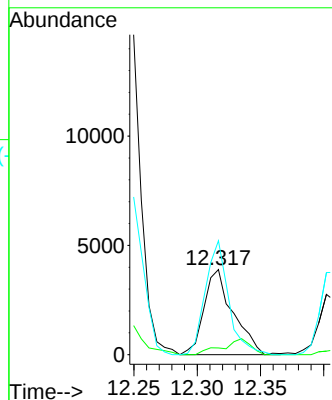
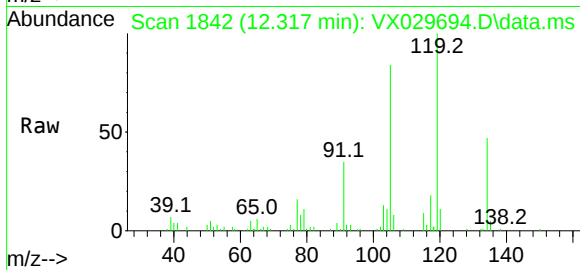
Tgt Ion: 91 Resp: 6240

Ion Ratio Lower Upper

91 100

92 17.9 27.8 83.3#

134 107.0 13.3 39.8#



#90

Hexachloroethane

Concen: 3.526 ug/l

RT: 12.646 min Scan# 1896

Delta R.T. 0.104 min

Lab File: VX029694.D

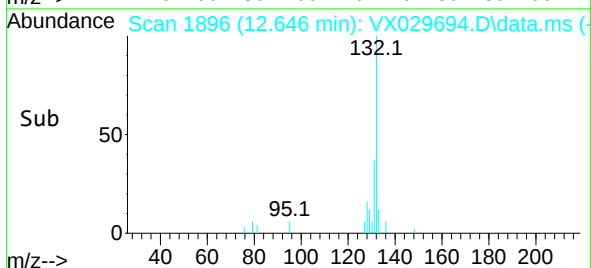
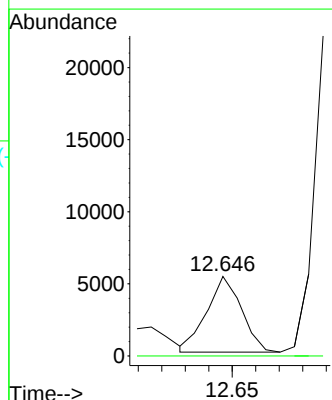
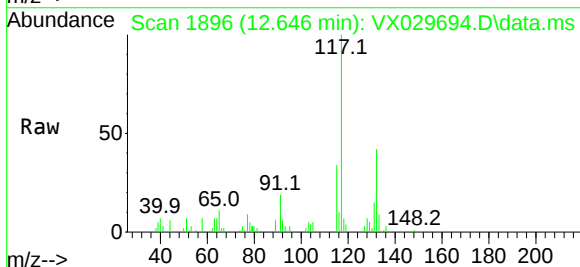
Acq: 22 Jun 2022 13:17

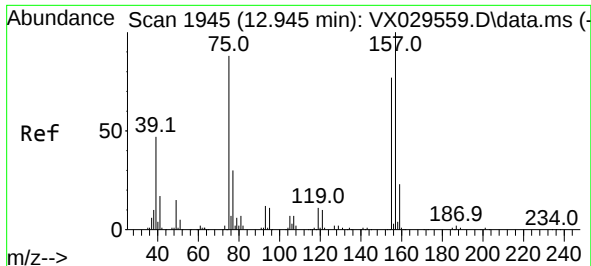
Tgt Ion: 117 Resp: 5401

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.661 ug/l

RT: 12.926 min Scan# 1945

Delta R.T. -0.019 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Instrument :

MSVOA_X

ClientSampleId :

MW-62

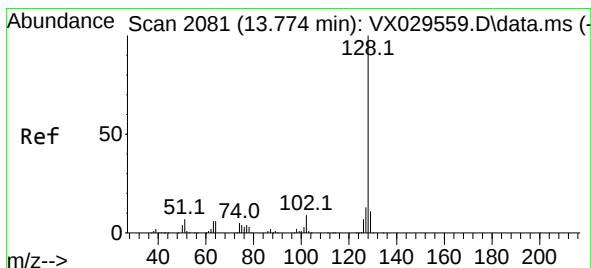
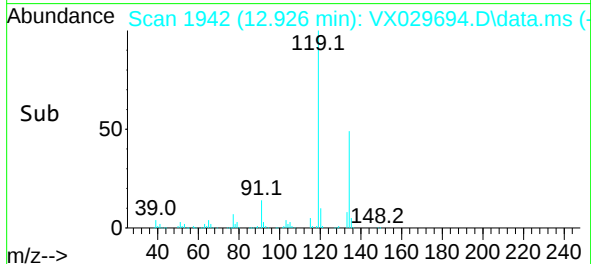
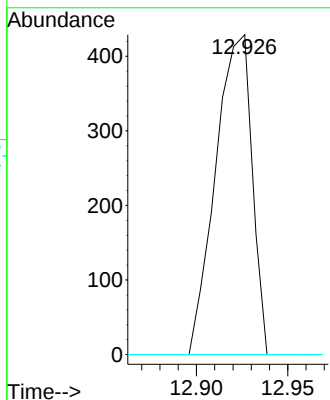
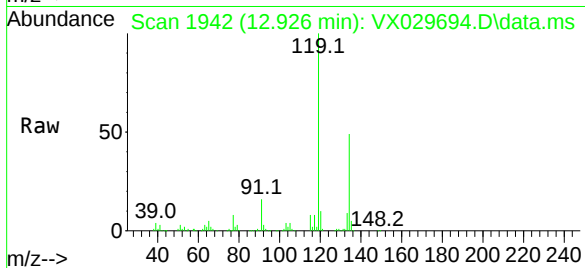
Tgt Ion: 75 Resp: 594

Ion Ratio Lower Upper

75 100

155 0.0 47.0 141.2#

157 0.0 57.9 173.6#



#95

Napthalene

Concen: 2.467 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX029694.D

Acq: 22 Jun 2022 13:17

Tgt Ion:128 Resp: 28979

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 15.6 8.7 13.1#

