

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
 Data File : VX029709.D
 Acq On : 22 Jun 2022 19:07
 Operator : JC/MD
 Sample : N3202-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

Quant Time: Jun 23 01:10:50 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)

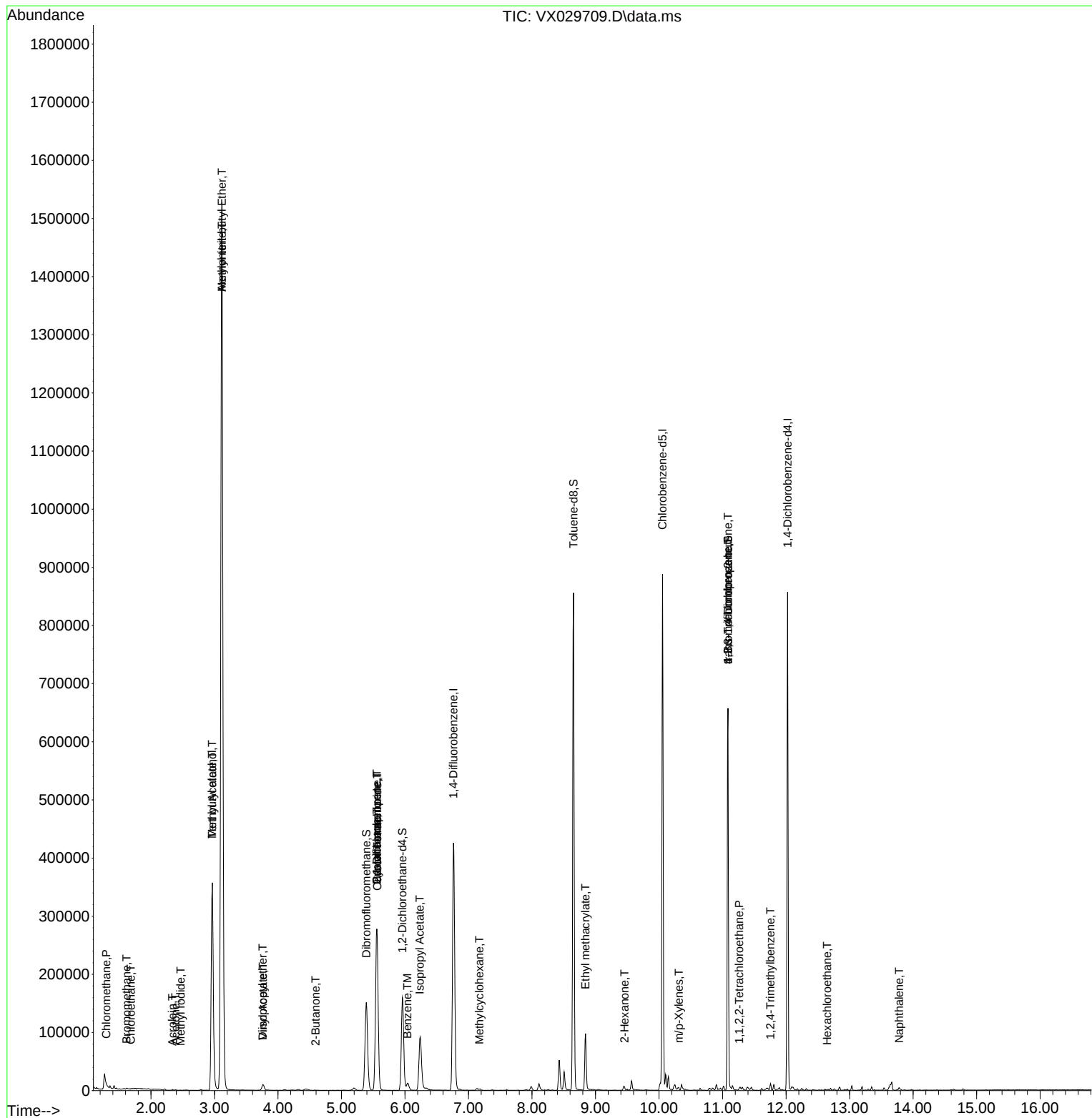
Internal Standards						
1) Pentafluorobenzene	5.556	168	271333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	460907	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148384	41.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.620%
35) Dibromofluoromethane	5.391	113	136150	45.328	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.660%
50) Toluene-d8	8.653	98	520833	47.465	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.940%
62) 4-Bromofluorobenzene	11.085	95	189199	45.722	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	903	0.255	ug/l	94
5) Bromomethane	1.617	94	600	0.361	ug/l	87
6) Chloroethane	1.684	64	576	1.512	ug/l #	70
10) Methyl Iodide	2.465	142	268	3.095	ug/l #	41
11) Tert butyl alcohol	2.965	59	467690	610.886	ug/l	99
13) Acrolein	2.337	56	127	0.642	ug/l #	15
15) Acrylonitrile	3.117	53	16319	9.714	ug/l #	30
16) Acetone	2.385	43	1069	0.747	ug/l #	81
18) Methyl Acetate	2.965	43	49648	13.117	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	1823737	191.102	ug/l	100
22) Diisopropyl ether	3.757	45	10693	1.218	ug/l #	82
23) Vinyl Acetate	3.763	43	5253	0.717	ug/l #	66
25) 2-Butanone	4.592	43	585	0.259	ug/l #	44
31) Cyclohexane	5.556	56	4972	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	20327	5.000	ug/l #	49
38) Carbon Tetrachloride	5.562	117	27345	6.840	ug/l #	16
39) Methylcyclohexane	7.171	83	1179	0.233	ug/l	88
40) Benzene	6.037	78	14858	1.233	ug/l	97
43) Isopropyl Acetate	6.232	43	22916	3.537	ug/l #	57
44) Trichloroethene	7.135	130	1252	Below Cal		77
56) Ethyl methacrylate	8.842	69	10001	2.122	ug/l #	66
59) 2-Hexanone	9.457	43	1451	0.459	ug/l #	32
68) m/p-Xylenes	10.311	106	1131	0.203	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.262	83	859	0.202	ug/l #	25
76) 1,2,3-Trichloropropane	11.085	75	88368	23.072	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	88368	76.754	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	5283	0.477	ug/l	99
90) Hexachloroethane	12.646	117	366	0.228	ug/l #	10
95) Naphthalene	13.780	128	3350	0.272	ug/l #	94

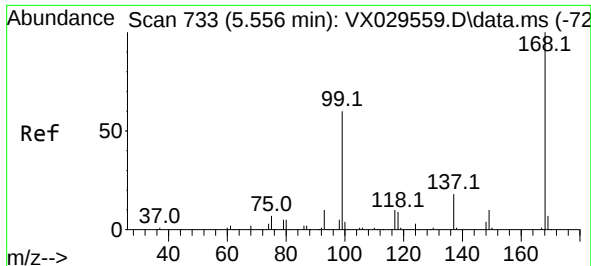
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jun 23 01:10:50 2022
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Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration

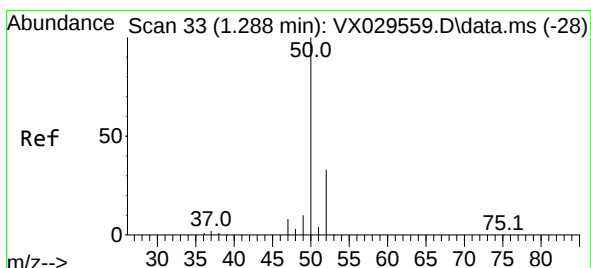
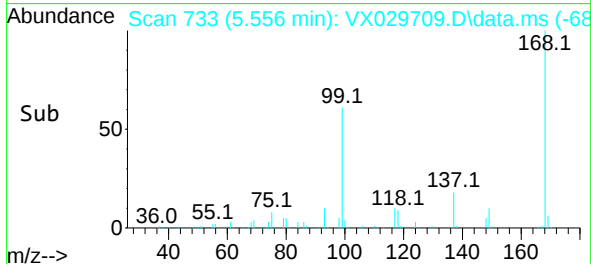
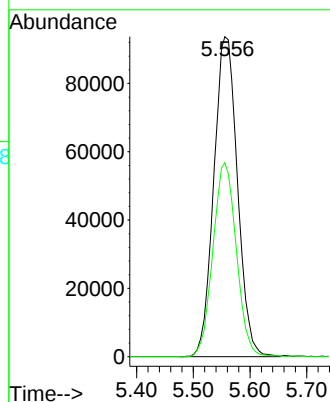
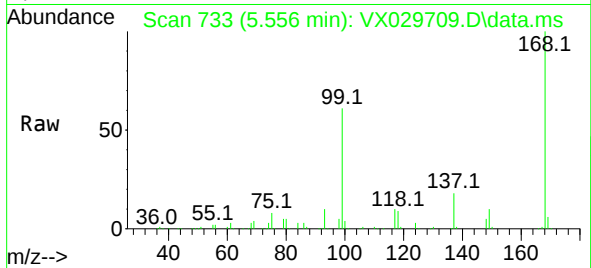




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

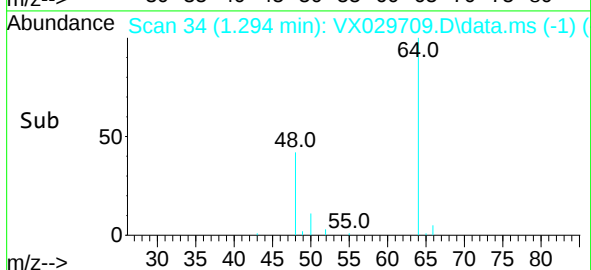
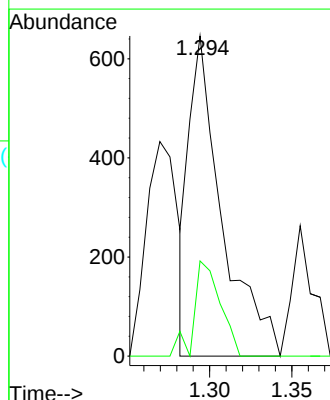
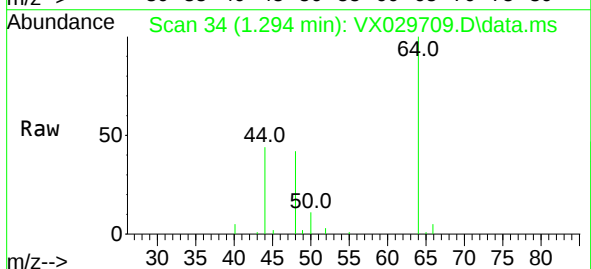
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MW-22

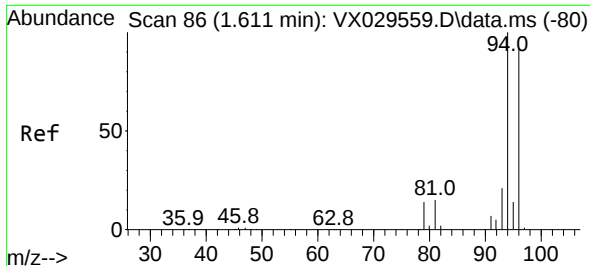
Tgt Ion:168 Resp: 271333
Ion Ratio Lower Upper
168 100
99 60.6 41.7 62.5



#3
Chloromethane
Concen: 0.255 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 50 Resp: 903
Ion Ratio Lower Upper
50 100
52 29.7 26.4 39.6

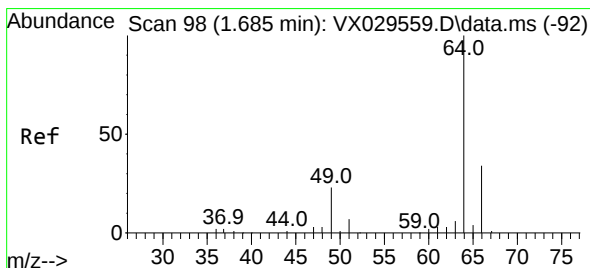
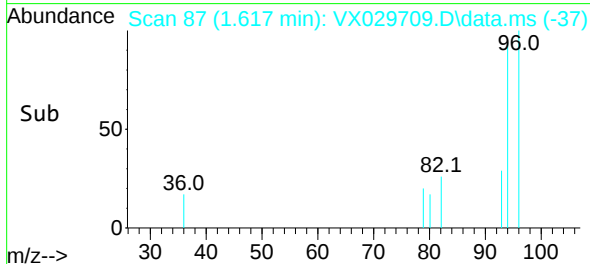
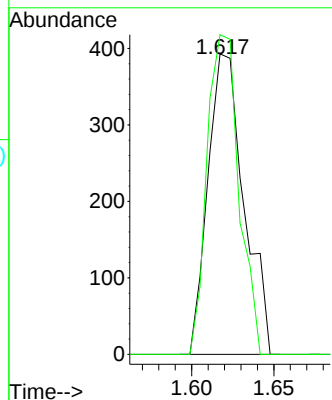
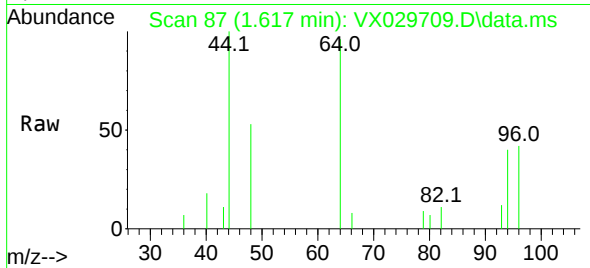




#5
Bromomethane
Concen: 0.361 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

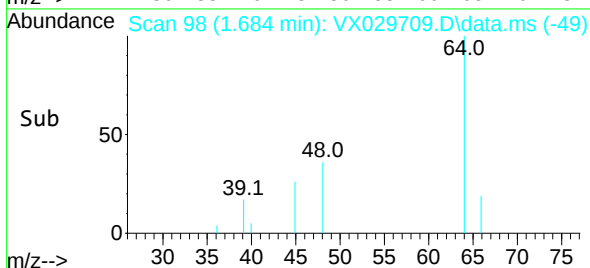
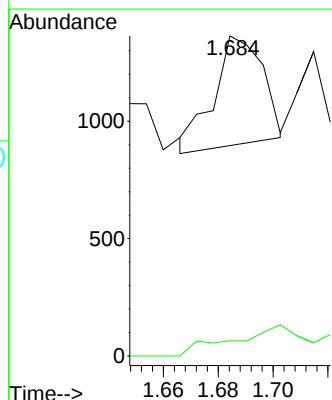
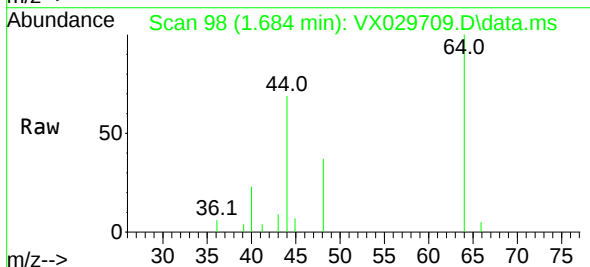
Instrument :
MSVOA_X
ClientSampleId :
MW-22

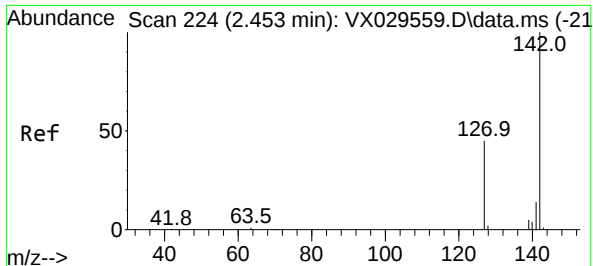
Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 106.4 75.3 112.9



#6
Chloroethane
Concen: 1.512 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 64 Resp: 576
Ion Ratio Lower Upper
64 100
66 15.0 25.3 37.9#

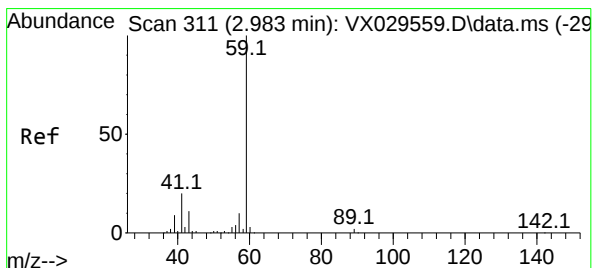
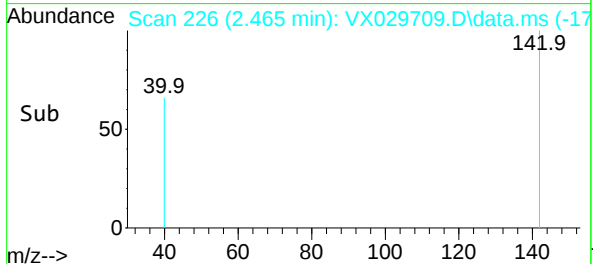
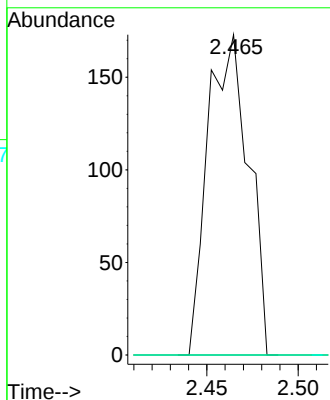
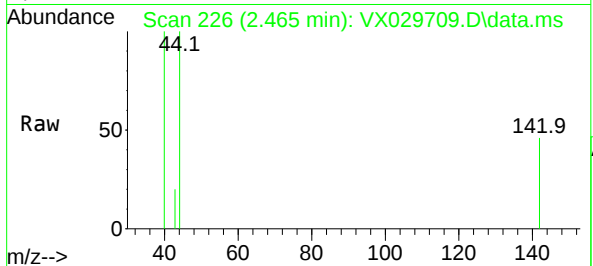




#10
Methyl Iodide
Concen: 3.095 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

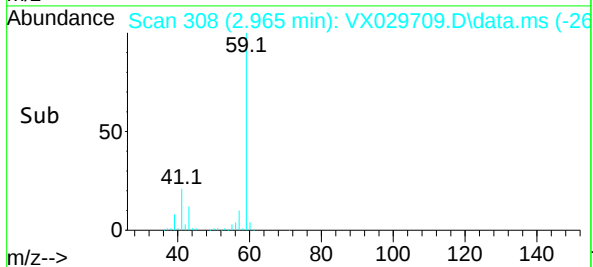
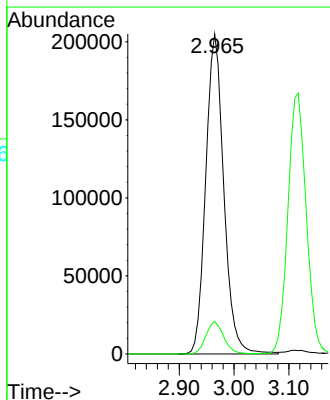
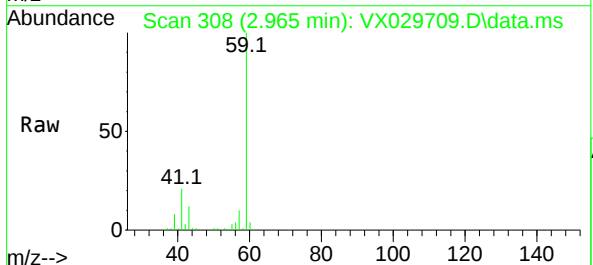
Instrument :
MSVOA_X
ClientSampleId :
MW-22

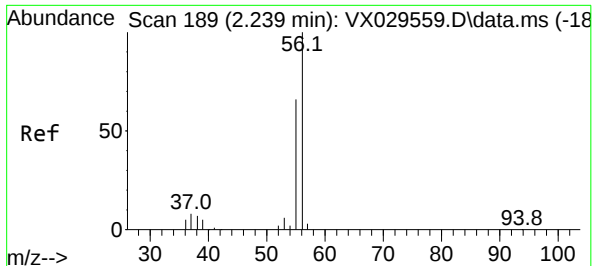
Tgt Ion:142 Resp: 268
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 610.886 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 59 Resp: 467690
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

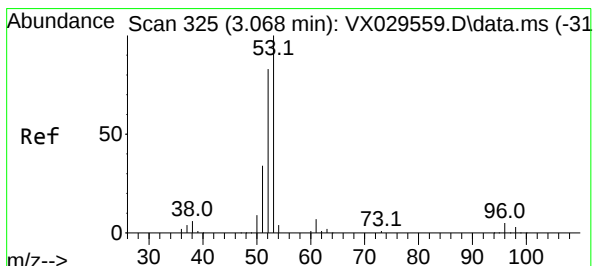
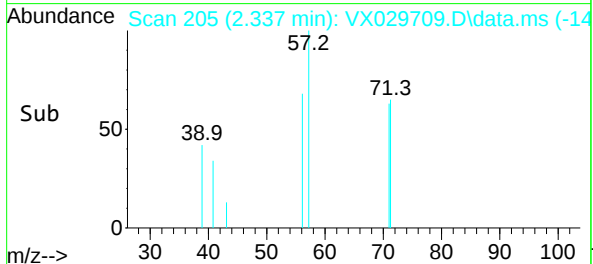
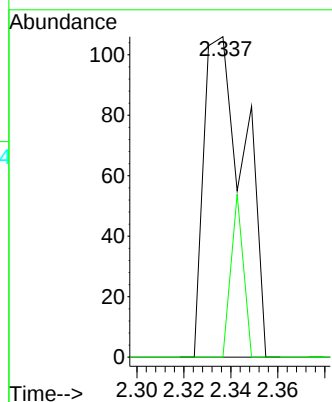
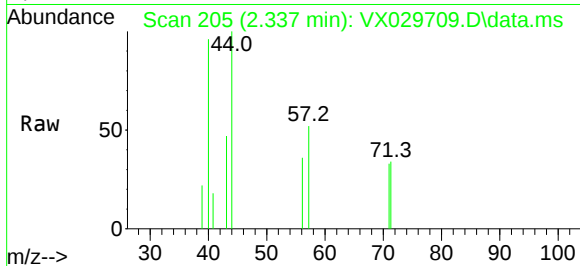




#13
Acrolein
Concen: 0.642 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.098 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

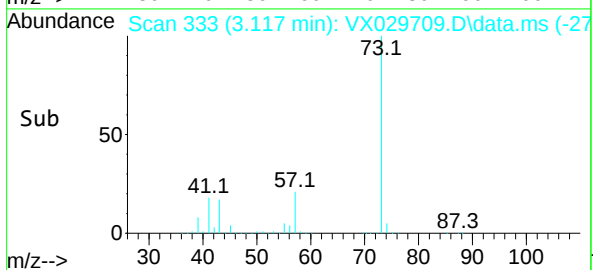
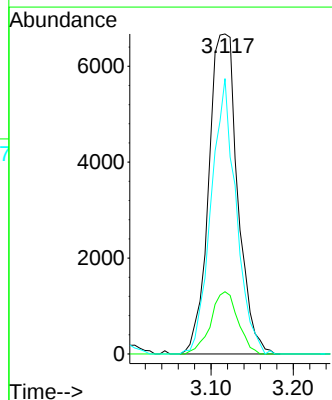
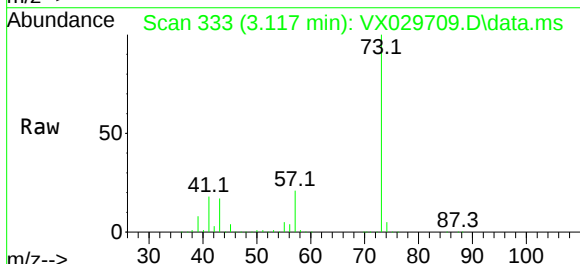
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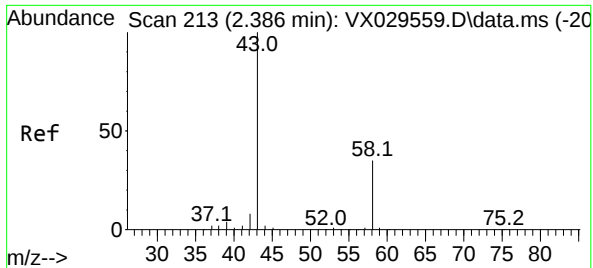
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#15
Acrylonitrile
Concen: 9.714 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.049 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 53 Resp: 16319
Ion Ratio Lower Upper
53 100
52 18.2 65.7 98.5#
51 74.3 28.4 42.6#

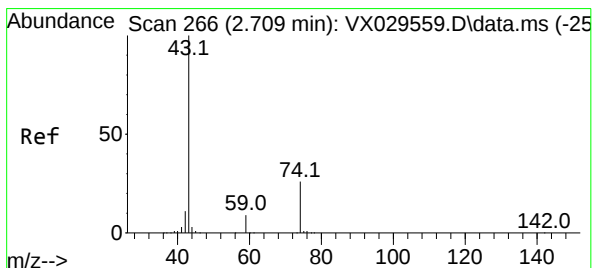
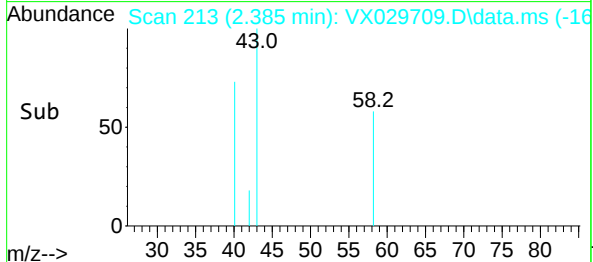
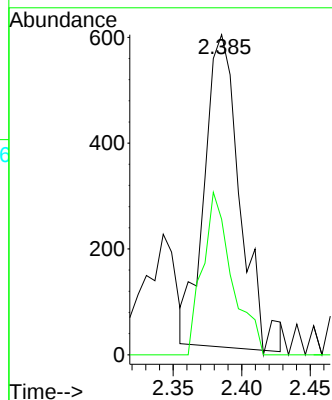
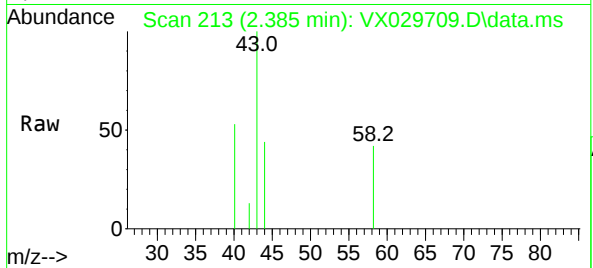




#16
Acetone
Concen: 0.747 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

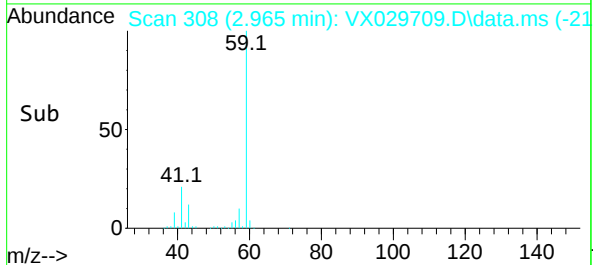
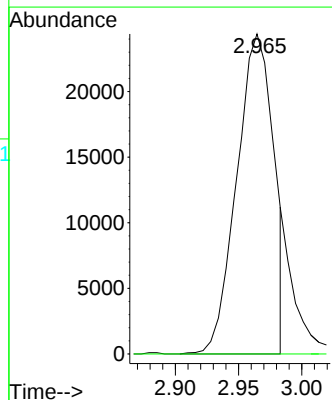
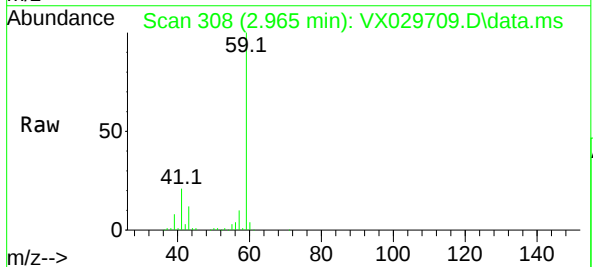
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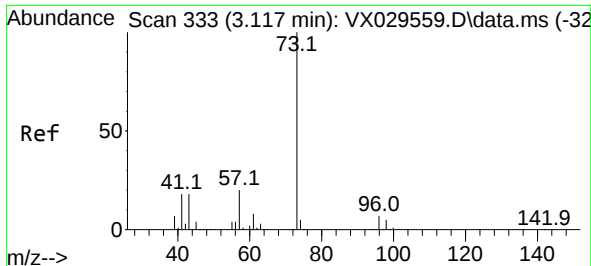
Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
58 47.1 28.8 43.2#



#18
Methyl Acetate
Concen: 13.117 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.256 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 43 Resp: 49648
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

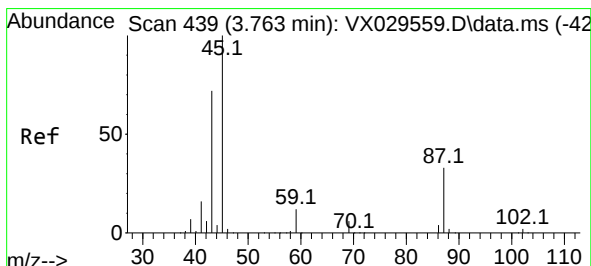
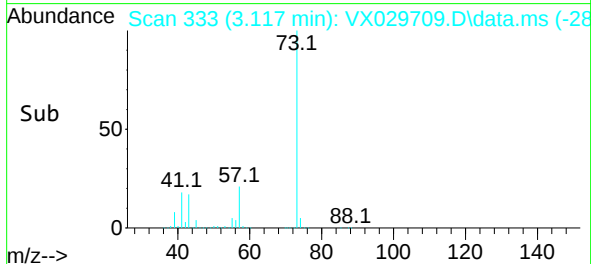
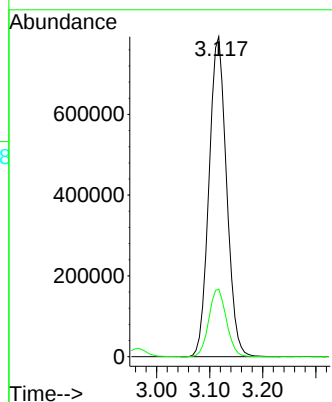
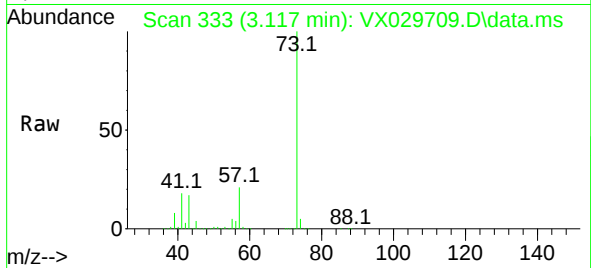




#19
Methyl tert-butyl Ether
Concen: 191.102 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

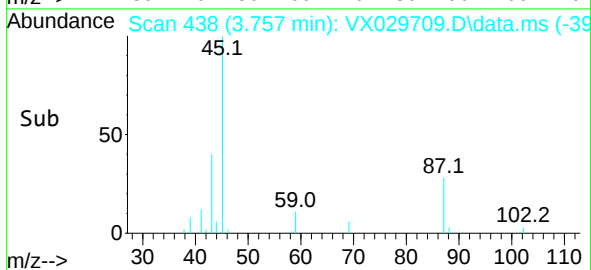
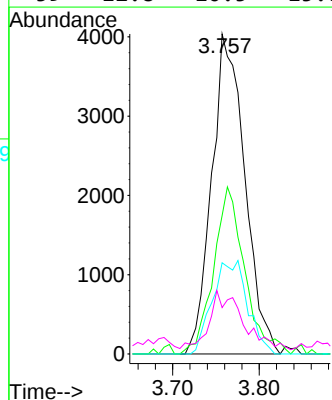
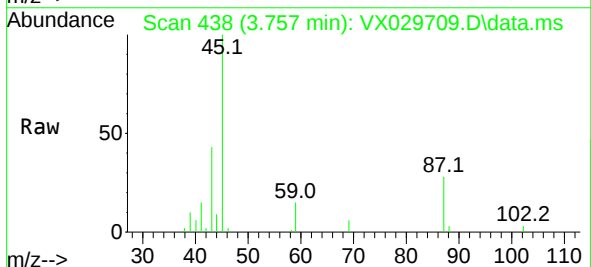
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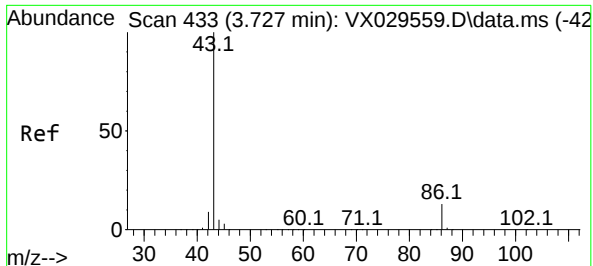
Tgt Ion: 73 Resp: 1823737
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#22
Diisopropyl ether
Concen: 1.218 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 45 Resp: 10693
Ion Ratio Lower Upper
45 100
43 43.2 50.8 76.2#
87 28.5 26.6 39.8
59 12.8 10.5 15.7

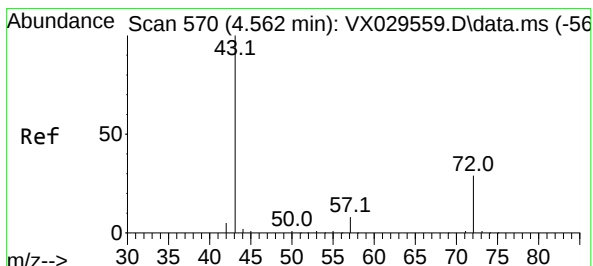
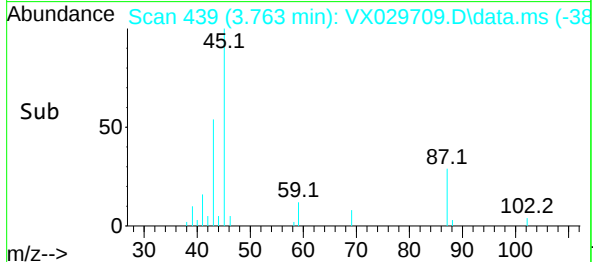
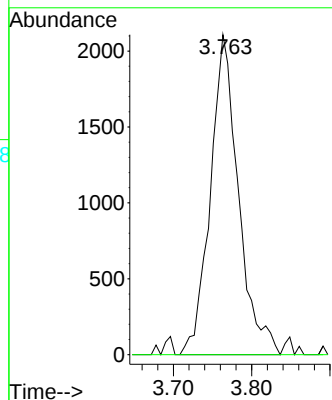
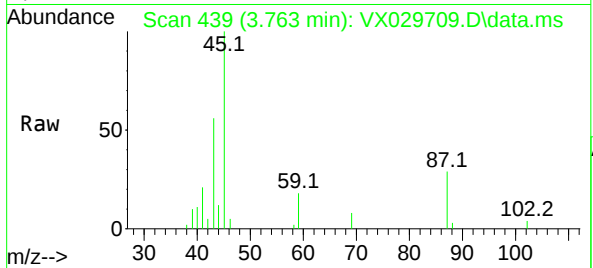




#23
 Vinyl Acetate
 Concen: 0.717 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX029709.D
 Acq: 22 Jun 2022 19:07

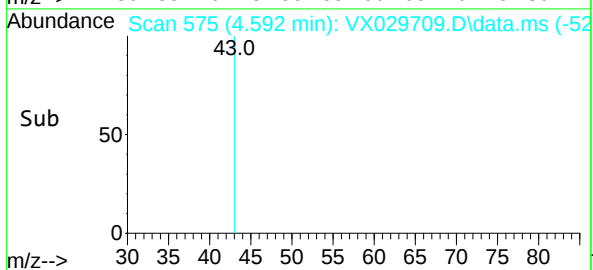
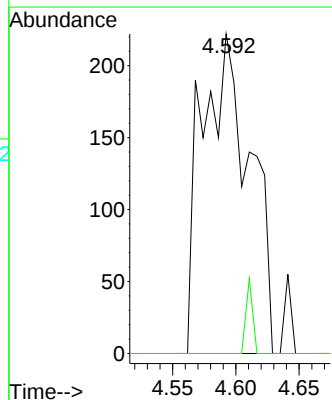
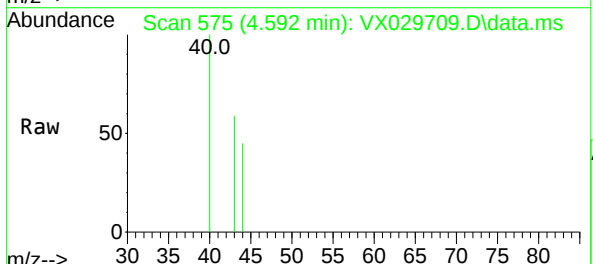
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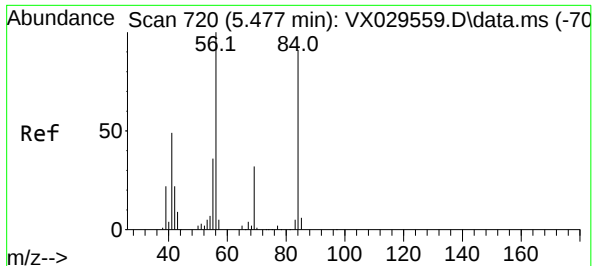
Tgt Ion: 43 Resp: 5253
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 0.259 ug/l
 RT: 4.592 min Scan# 575
 Delta R.T. 0.030 min
 Lab File: VX029709.D
 Acq: 22 Jun 2022 19:07

Tgt Ion: 43 Resp: 585
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.4 36.6#

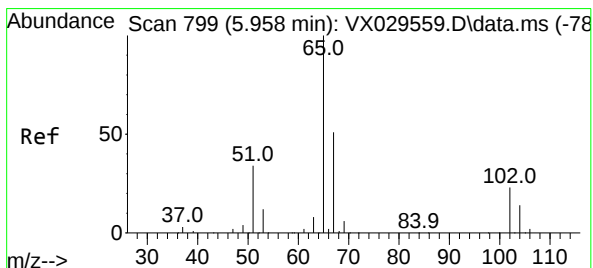
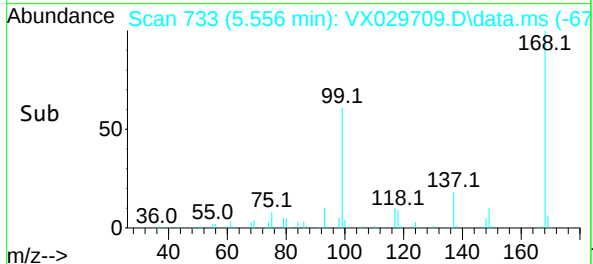
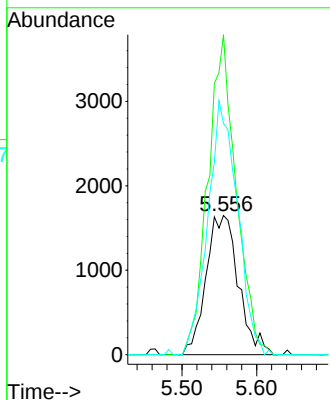
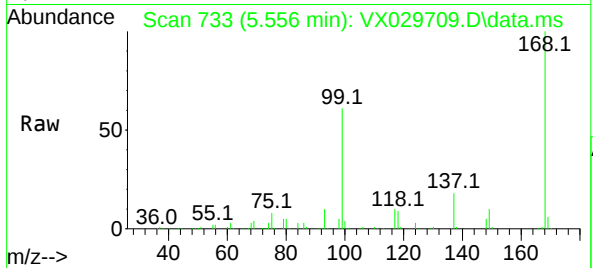




#31
Cyclohexane
Concen: 1.031 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

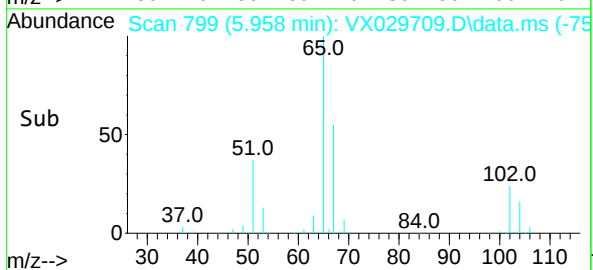
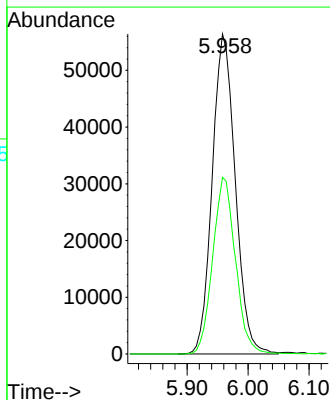
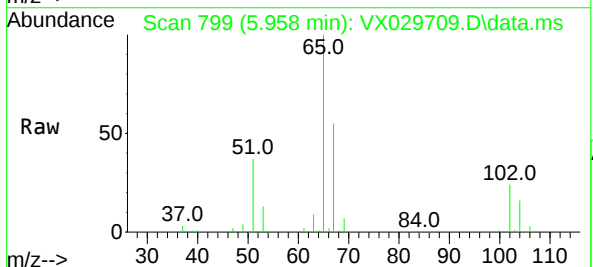
Instrument :
MSVOA_X
ClientSampleId :
MW-22

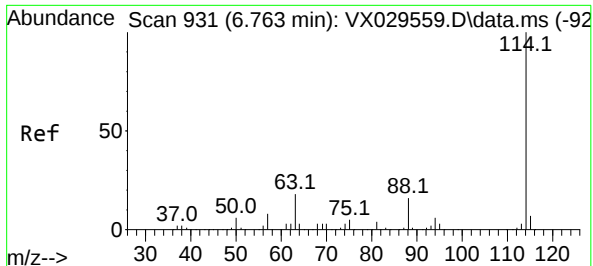
Tgt Ion: 56 Resp: 4972
Ion Ratio Lower Upper
56 100
69 229.8 26.7 40.1#
84 166.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 41.313 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 65 Resp: 148384
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.4

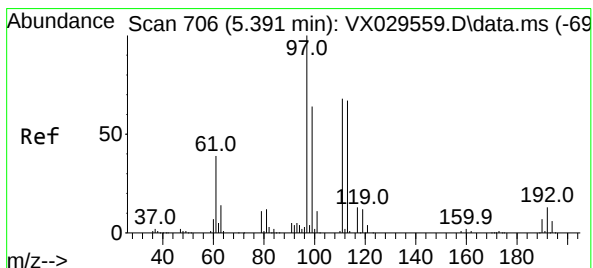
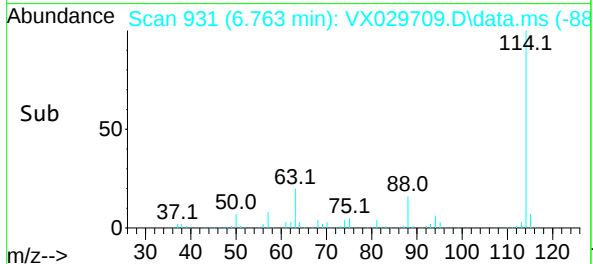
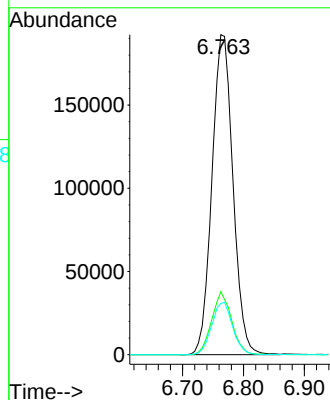
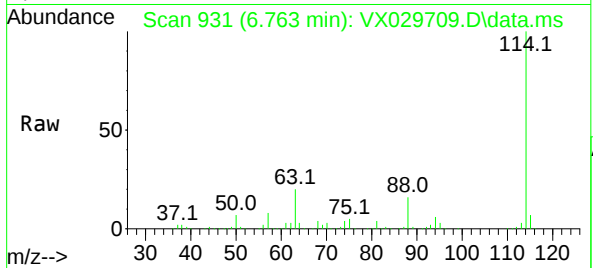




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

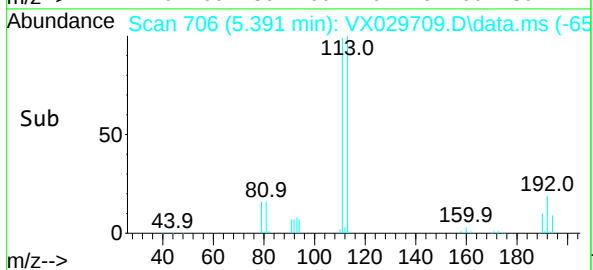
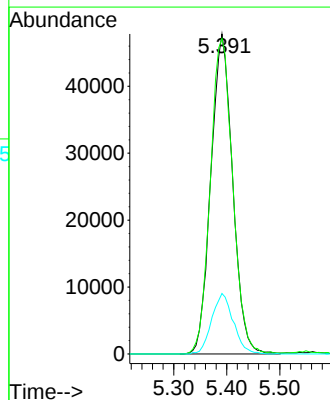
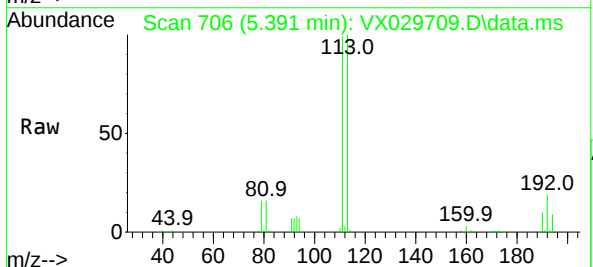
Instrument :
MSVOA_X
ClientSampleId :
MW-22

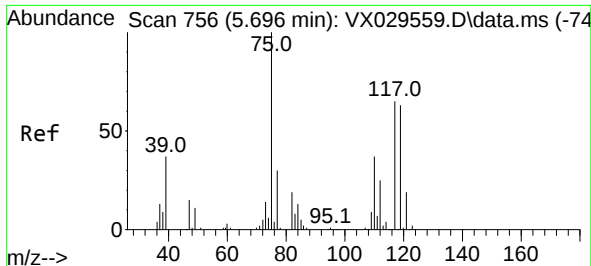
Tgt Ion:114 Resp: 460907
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.328 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion:113 Resp: 136150
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

MW-22

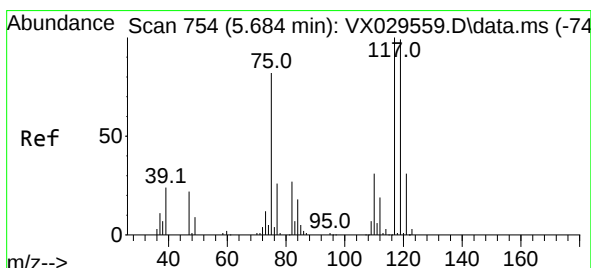
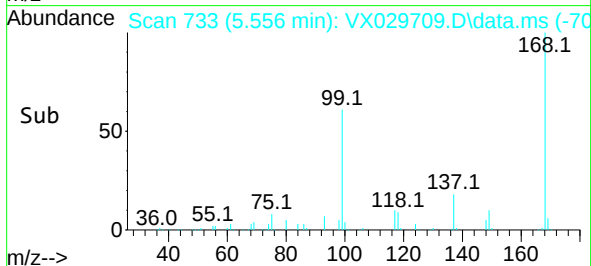
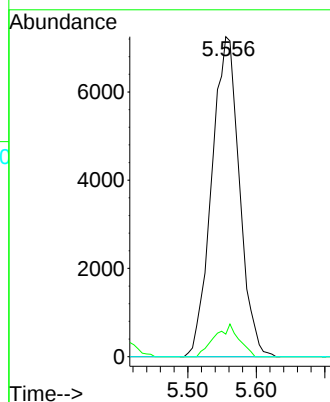
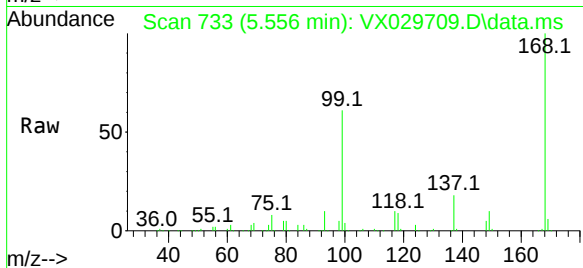
Tgt Ion: 75 Resp: 20327

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.840 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

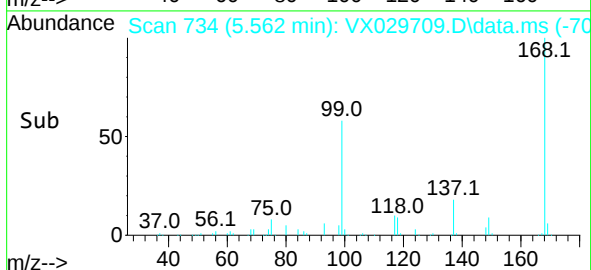
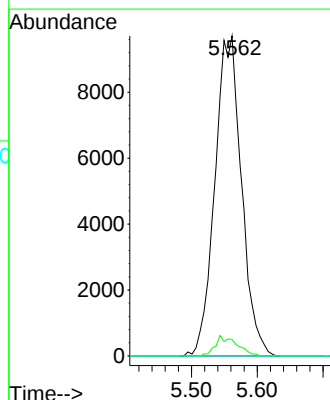
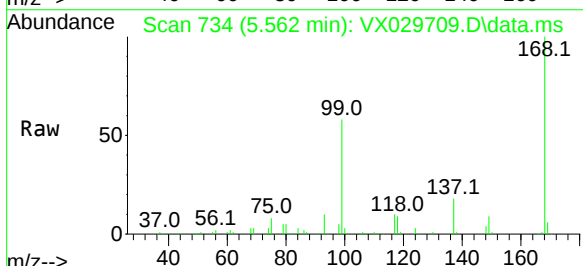
Tgt Ion: 117 Resp: 27345

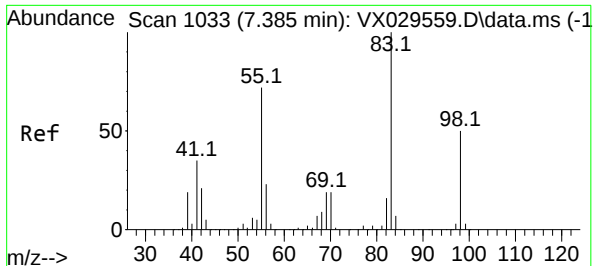
Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.233 ug/l

RT: 7.171 min Scan# 91

Delta R.T. -0.214 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

MW-22

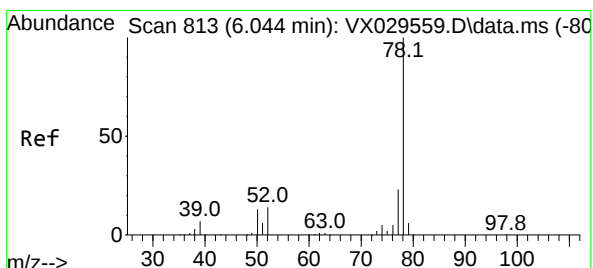
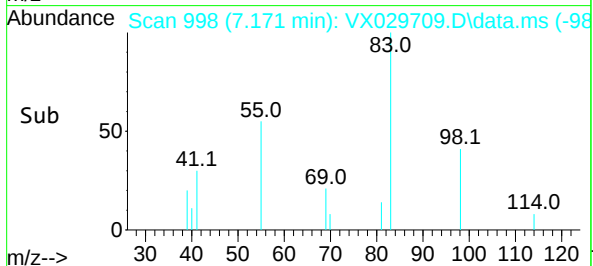
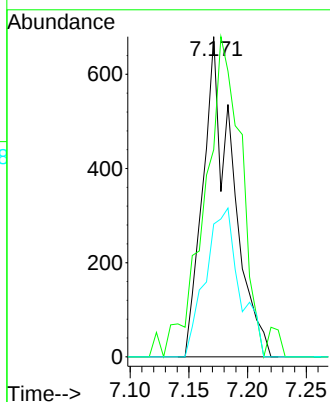
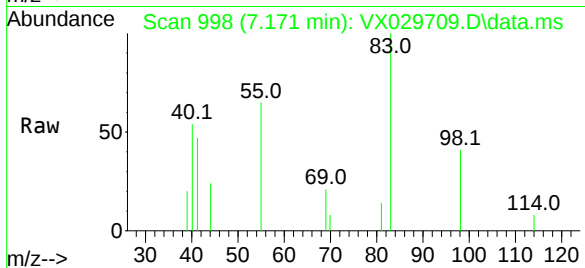
Tgt Ion: 83 Resp: 1179

Ion Ratio Lower Upper

83 100

55 56.3 54.6 81.8

98 41.5 37.4 56.2



#40

Benzene

Concen: 1.233 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.007 min

Lab File: VX029709.D

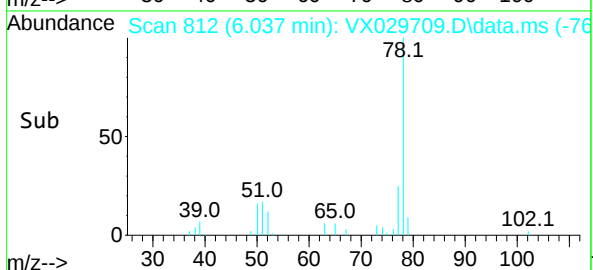
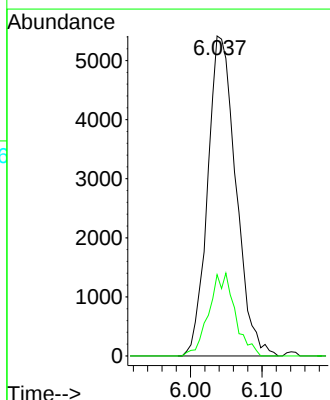
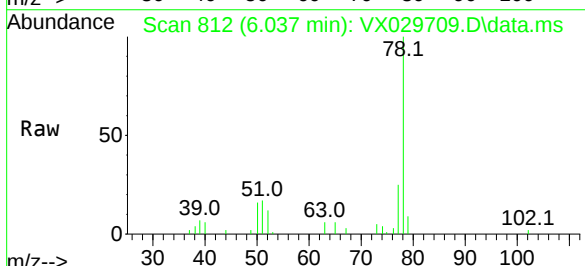
Acq: 22 Jun 2022 19:07

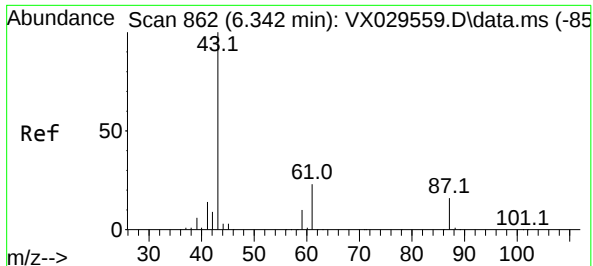
Tgt Ion: 78 Resp: 14858

Ion Ratio Lower Upper

78 100

77 25.4 19.3 28.9

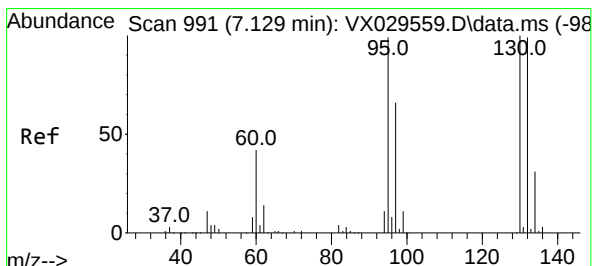
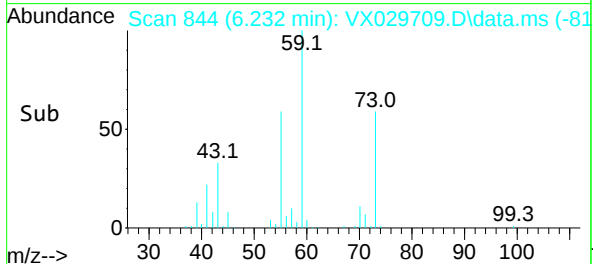
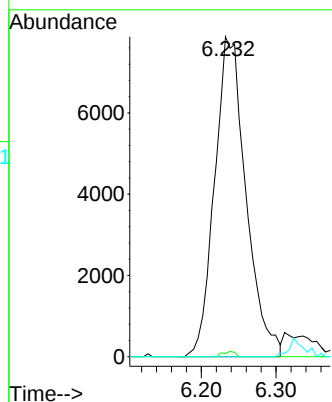
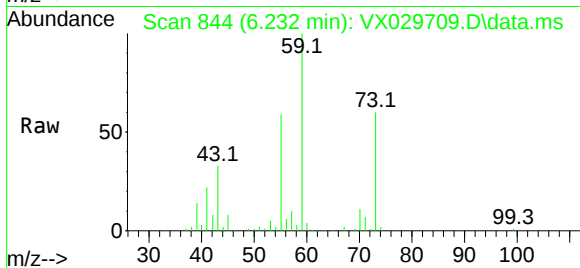




#43
Isopropyl Acetate
Concen: 3.537 ug/l
RT: 6.232 min Scan# 844
Delta R.T. -0.110 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

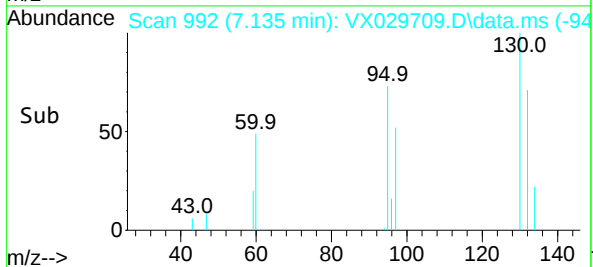
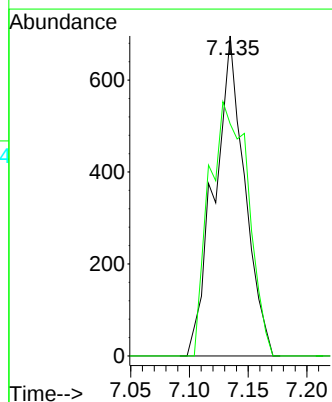
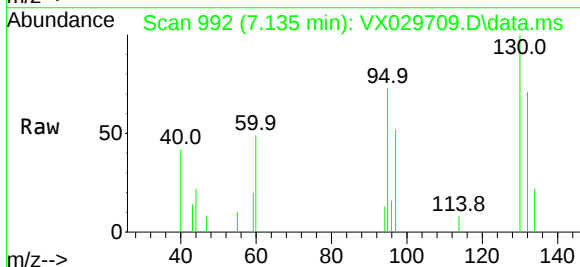
Instrument :
MSVOA_X
ClientSampleId :
MW-22

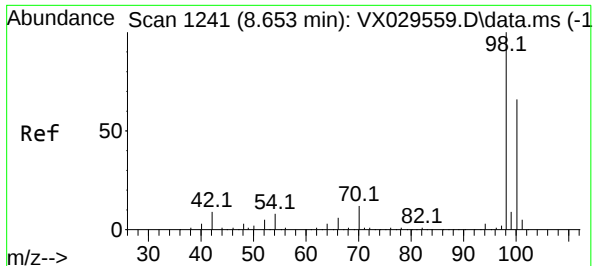
Tgt Ion: 43 Resp: 22916
Ion Ratio Lower Upper
43 100
61 0.7 18.5 27.7#
87 0.0 13.0 19.6#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion:130 Resp: 1252
Ion Ratio Lower Upper
130 100
95 72.6 0.0 188.8

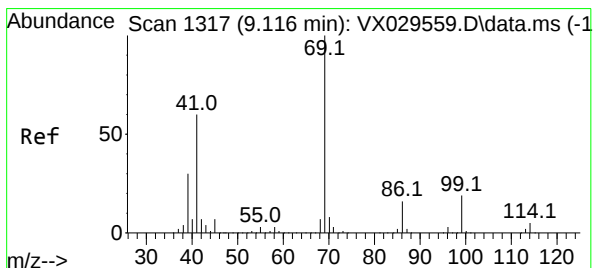
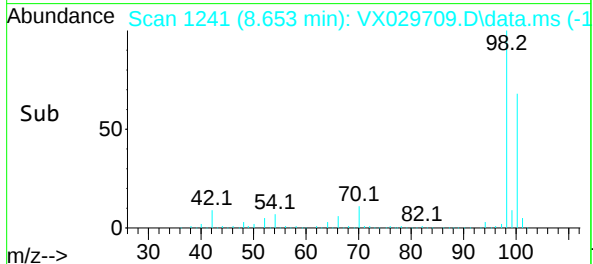
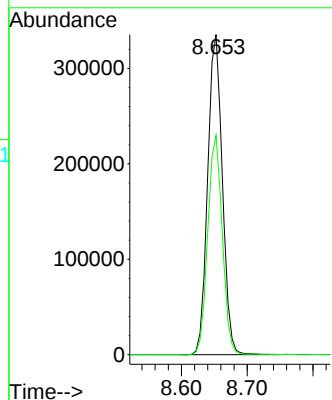
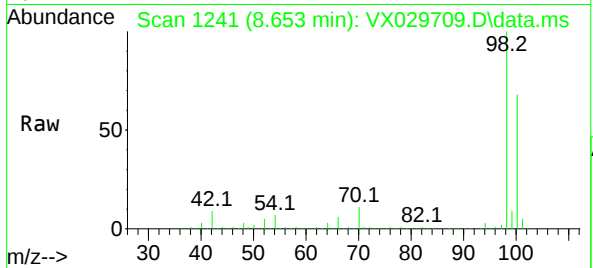




#50
Toluene-d8
Concen: 47.465 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

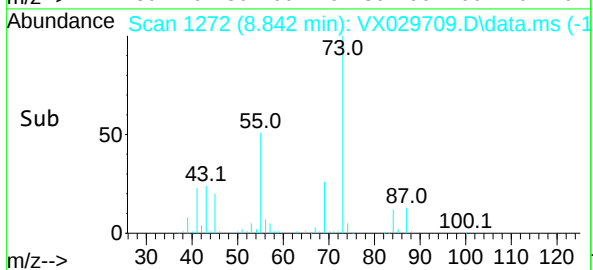
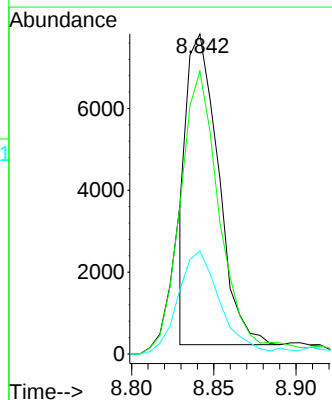
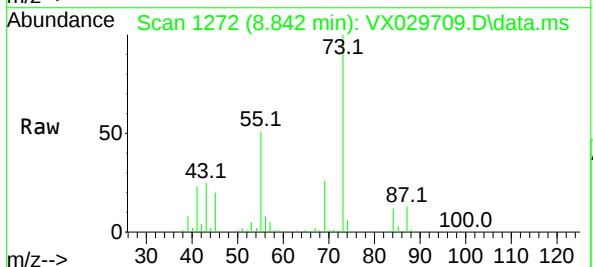
Instrument :
MSVOA_X
ClientSampleId :
MW-22

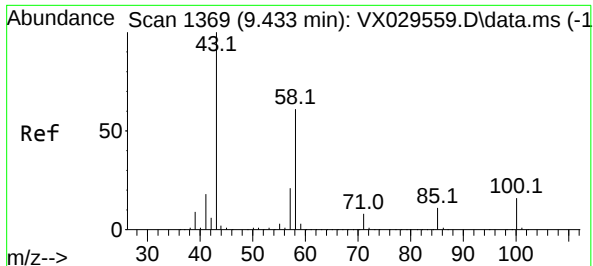
Tgt Ion: 98 Resp: 520833
Ion Ratio Lower Upper
98 100
100 67.9 52.6 78.8



#56
Ethyl methacrylate
Concen: 2.122 ug/l
RT: 8.842 min Scan# 1272
Delta R.T. -0.274 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 69 Resp: 10001
Ion Ratio Lower Upper
69 100
41 88.4 43.8 65.6#
39 32.6 22.2 33.2





#59

2-Hexanone

Concen: 0.459 ug/l

RT: 9.457 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

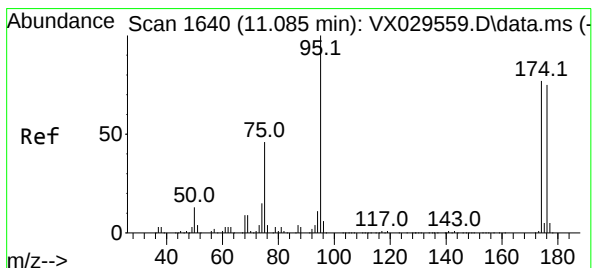
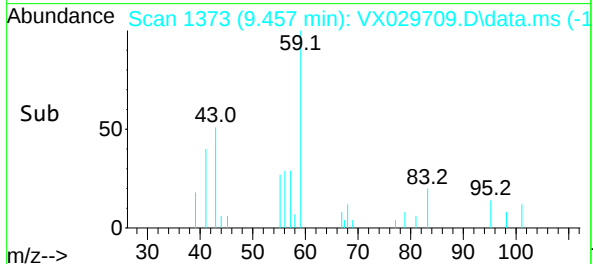
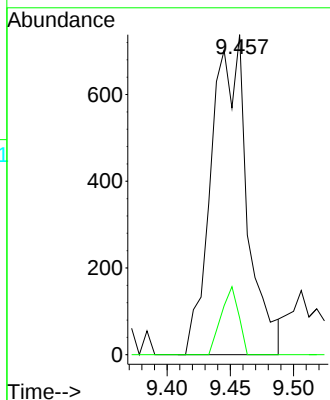
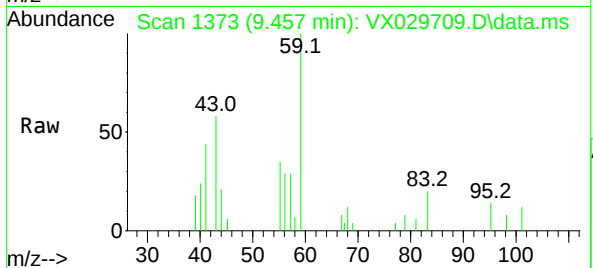
MW-22

Tgt Ion: 43 Resp: 1451

Ion Ratio Lower Upper

43 100

58 10.3 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 45.722 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

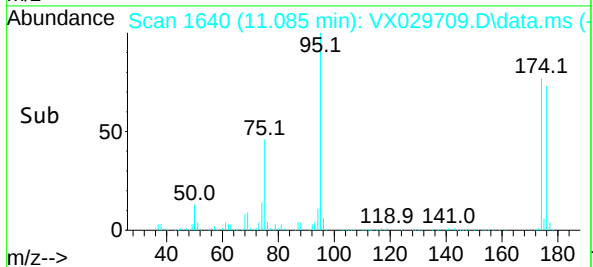
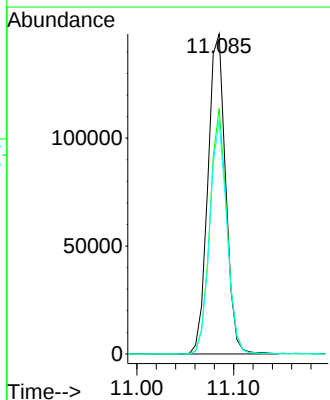
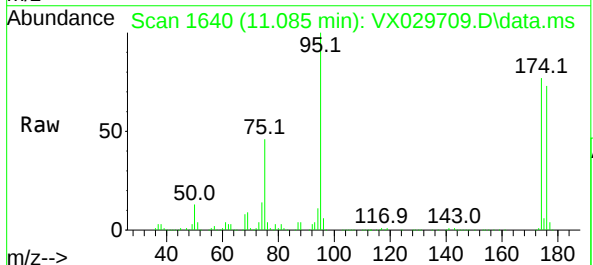
Tgt Ion: 95 Resp: 189199

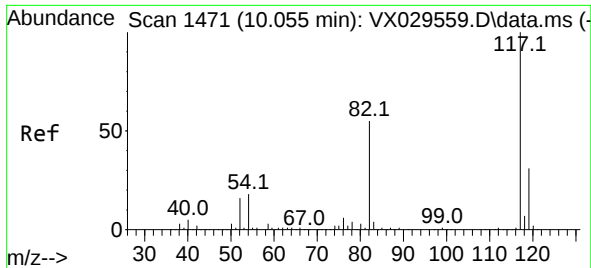
Ion Ratio Lower Upper

95 100

174 73.8 0.0 163.0

176 70.5 0.0 155.0

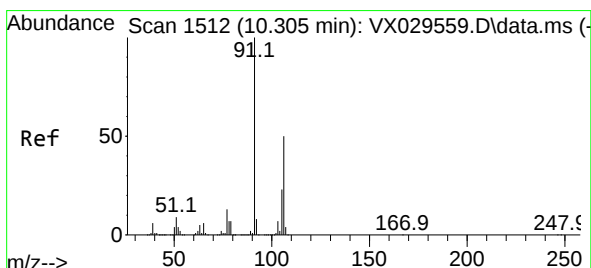
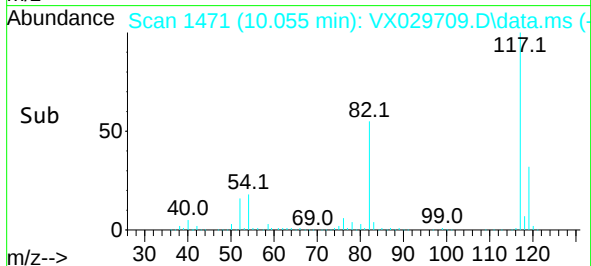
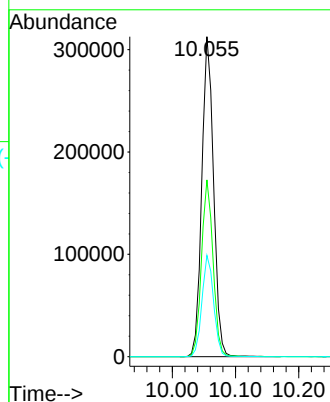
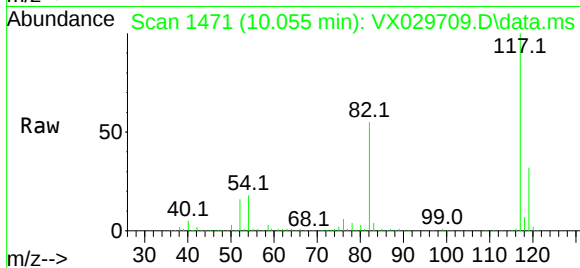




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

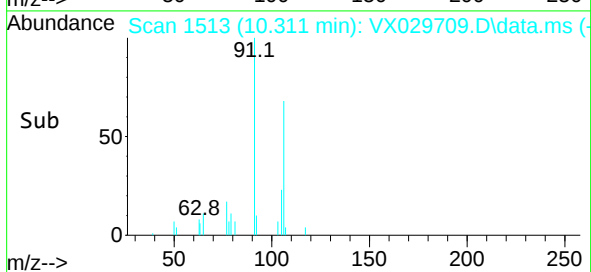
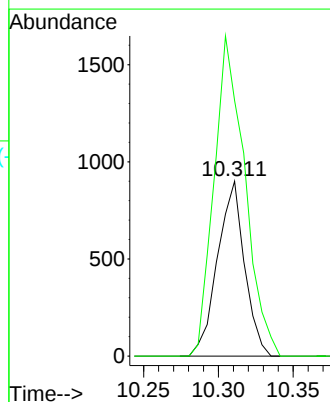
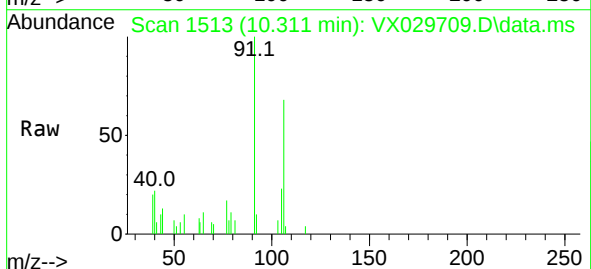
Instrument :
MSVOA_X
ClientSampleId :
MW-22

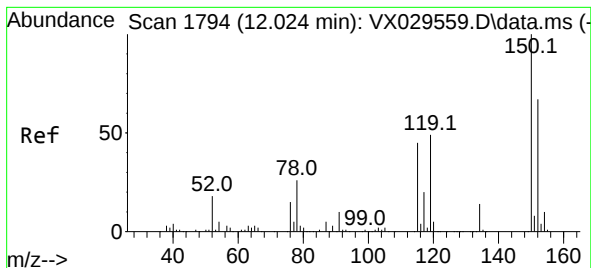
Tgt Ion:117 Resp: 405212
Ion Ratio Lower Upper
117 100
82 55.2 41.8 62.8
119 31.7 24.8 37.2



#68
m/p-Xylenes
Concen: 0.203 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion:106 Resp: 1131
Ion Ratio Lower Upper
106 100
91 207.9 160.4 240.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

MW-22

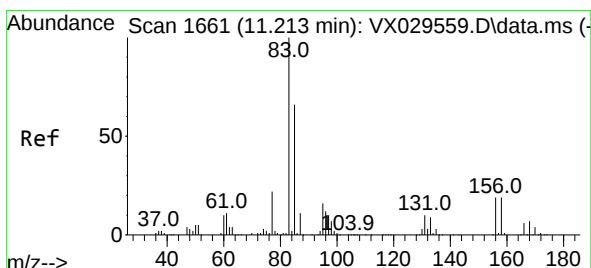
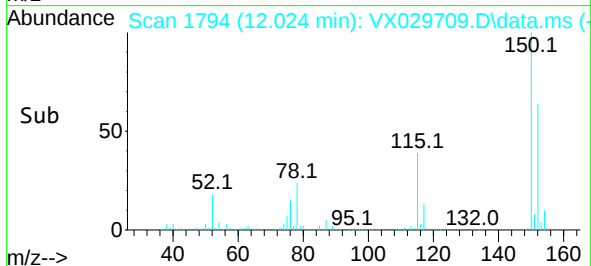
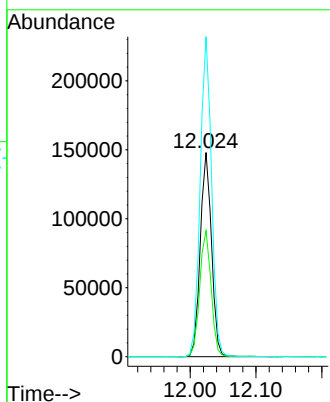
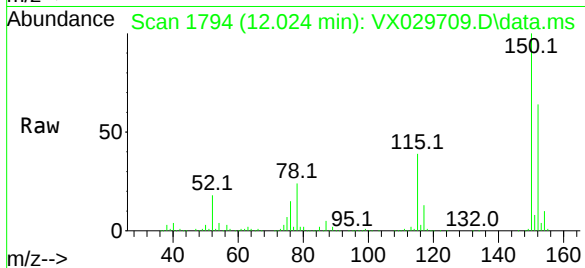
Tgt Ion:152 Resp: 175816

Ion Ratio Lower Upper

152 100

115 62.4 37.5 112.7

150 158.1 0.0 338.2



#75

1,1,2,2-Tetrachloroethane

Concen: 0.202 ug/l

RT: 11.262 min Scan# 1669

Delta R.T. 0.049 min

Lab File: VX029709.D

Acq: 22 Jun 2022 19:07

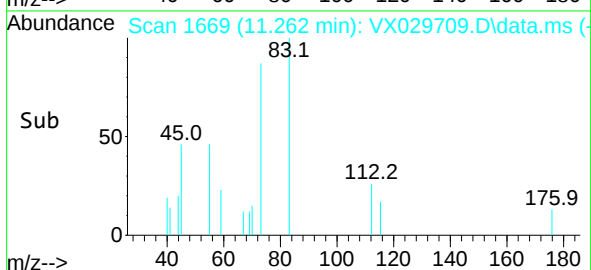
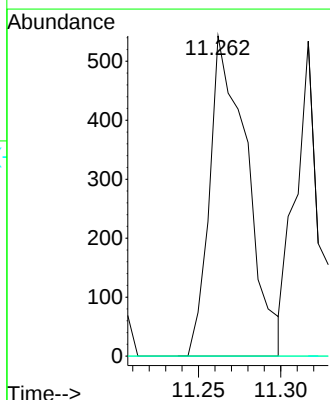
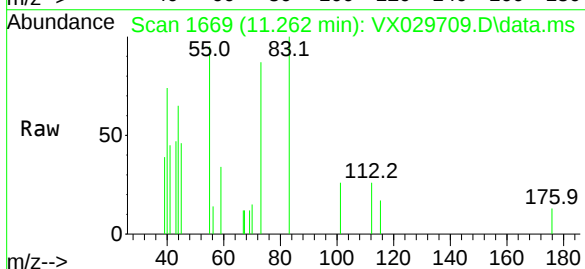
Tgt Ion: 83 Resp: 859

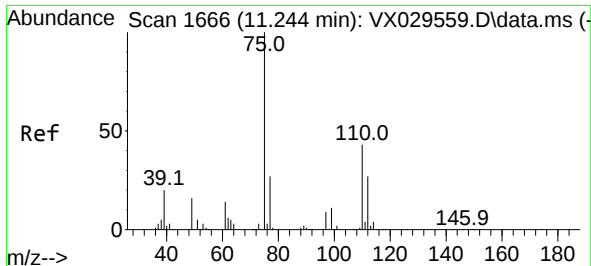
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 32.6 97.7#

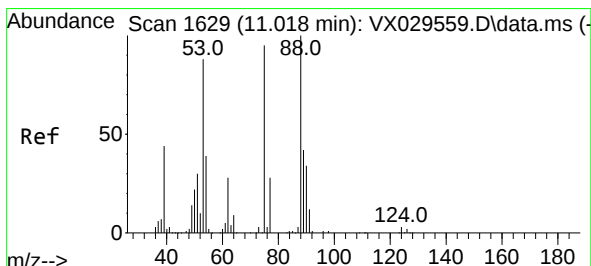
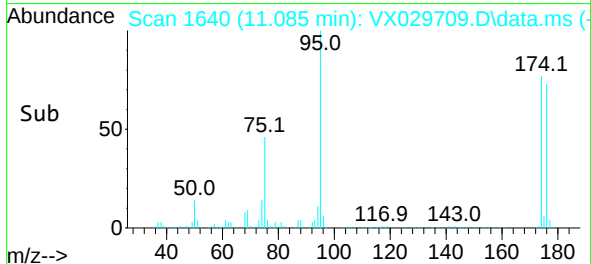
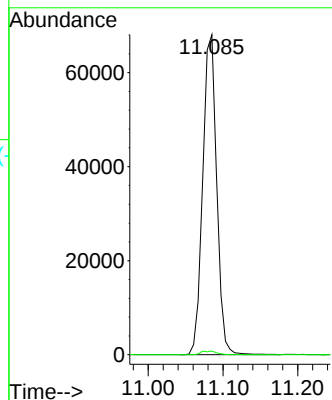
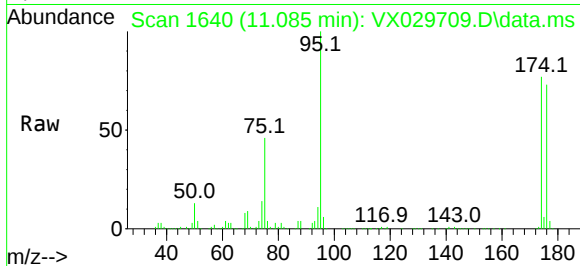




#76
1,2,3-Trichloropropane
Concen: 23.072 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

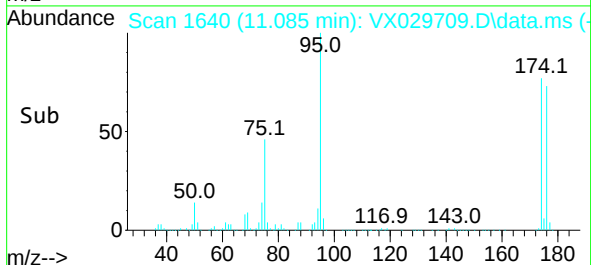
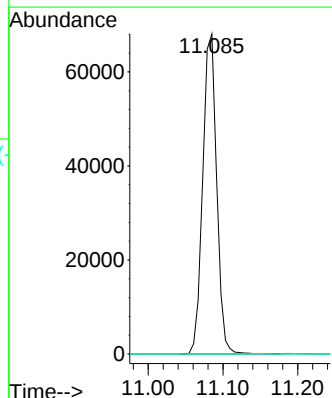
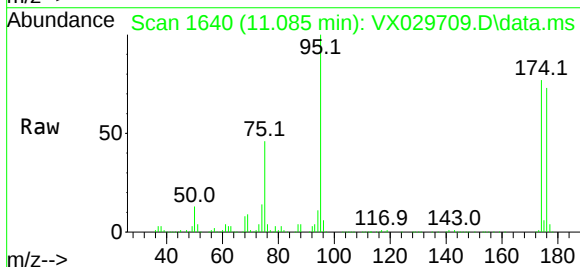
Instrument :
MSVOA_X
ClientSampleId :
MW-22

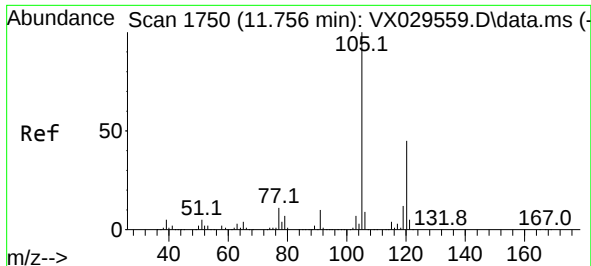
Tgt Ion: 75 Resp: 88368
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.754 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Tgt Ion: 75 Resp: 88368
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

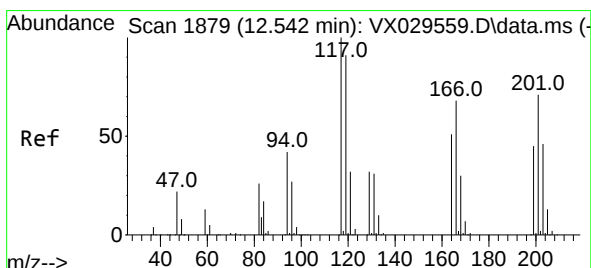
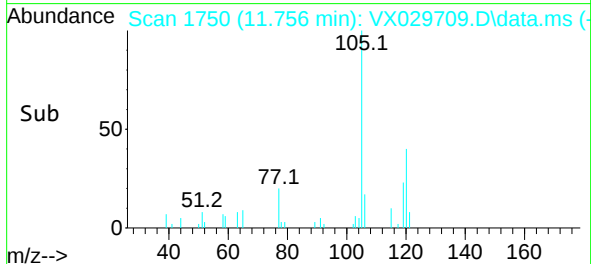
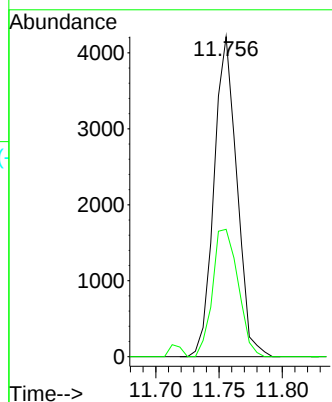
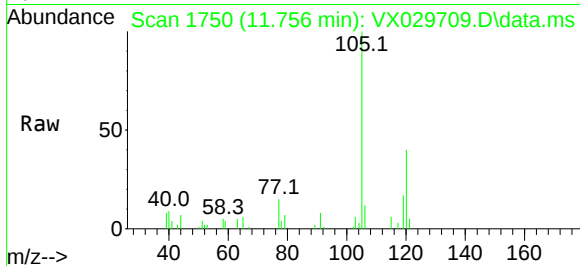




#84
 1,2,4-Trimethylbenzene
 Concen: 0.477 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX029709.D
 Acq: 22 Jun 2022 19:07

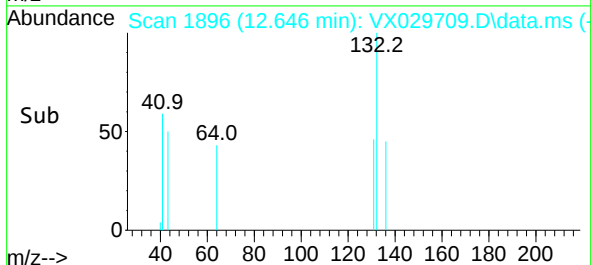
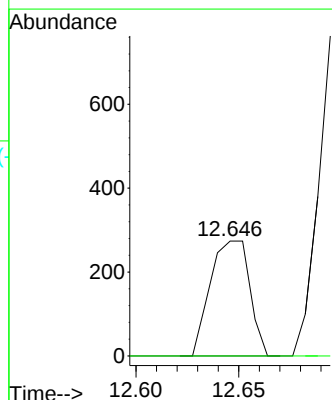
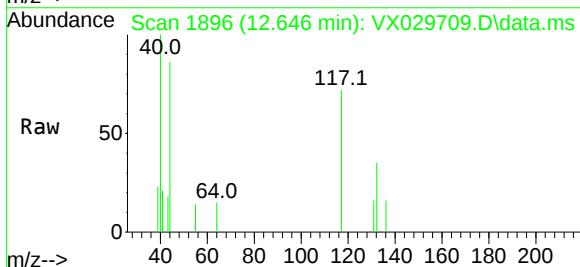
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

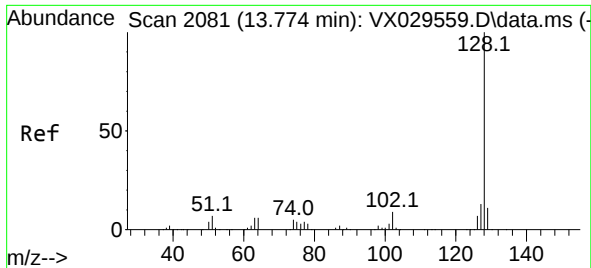
Tgt Ion:105 Resp: 5283
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.6 67.8



#90
 Hexachloroethane
 Concen: 0.228 ug/l
 RT: 12.646 min Scan# 1896
 Delta R.T. 0.104 min
 Lab File: VX029709.D
 Acq: 22 Jun 2022 19:07

Tgt Ion:117 Resp: 366
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 0.272 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029709.D
Acq: 22 Jun 2022 19:07

Instrument :
MSVOA_X
ClientSampleId :
MW-22

Tgt Ion:128 Resp: 3350
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.4
129 13.7 8.7 13.1#

