

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027623.D
 Acq On : 22 Mar 2022 18:39
 Operator : JC/MD
 Sample : N2028-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-109

Quant Time: Mar 23 01:49:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

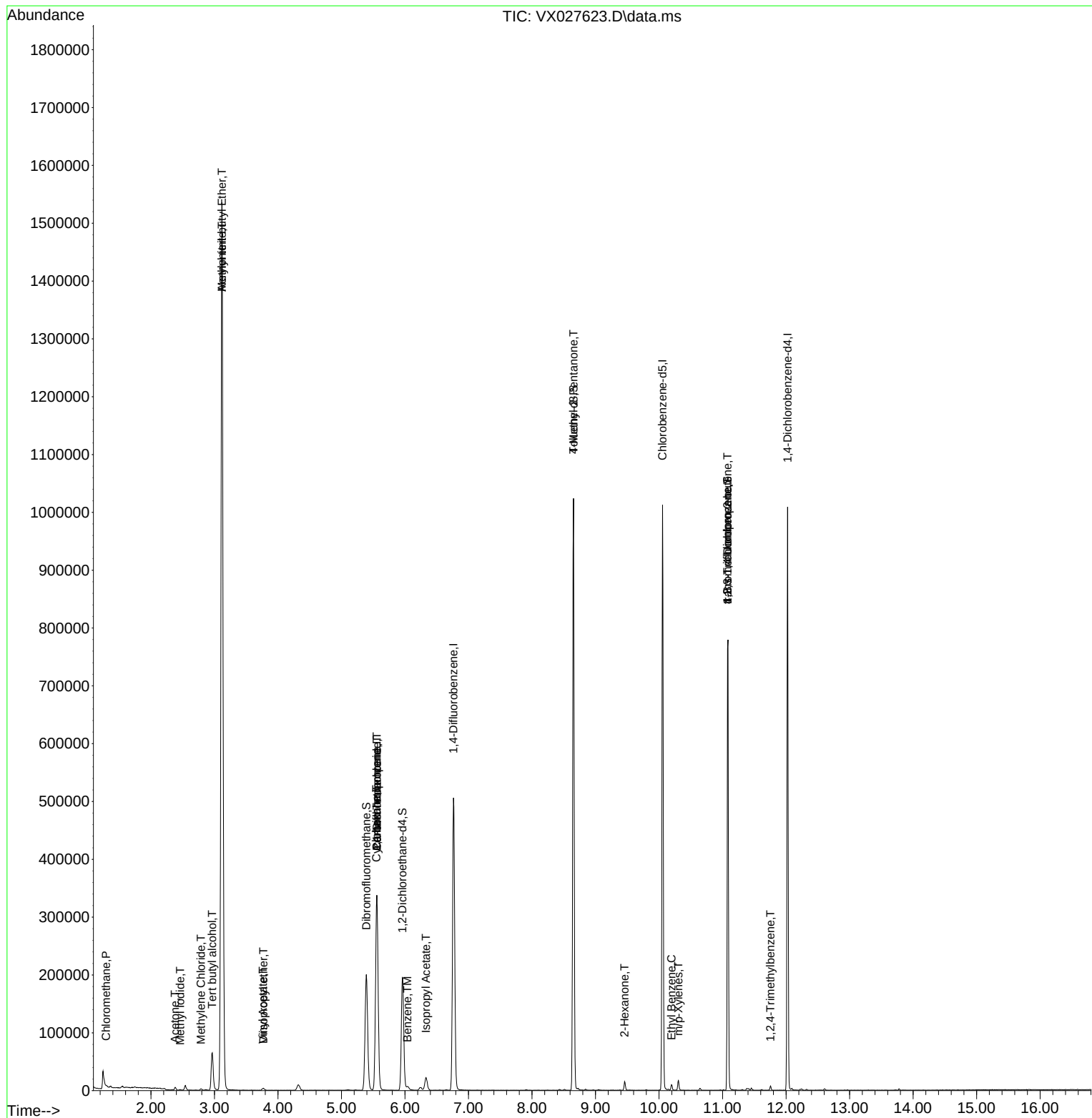
Internal Standards						
1) Pentafluorobenzene	5.556	168	335100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	549508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	485252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	215590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193132	46.785	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.560%
35) Dibromofluoromethane	5.391	113	176349	49.880	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.760%
50) Toluene-d8	8.653	98	632299	47.262	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.520%
62) 4-Bromofluorobenzene	11.079	95	218368	44.408	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	702	0.246	ug/l #	75
5) Bromomethane	1.618	94	648	Below Cal		90
10) Methyl Iodide	2.459	142	935	0.218	ug/l	93
11) Tert butyl alcohol	2.965	59	76216	96.876	ug/l #	72
15) Acrylonitrile	3.117	53	17146	9.586	ug/l #	31
16) Acetone	2.380	43	5175	3.076	ug/l	88
19) Methyl tert-butyl Ether	3.117	73	1800185	171.471	ug/l	100
20) Methylene Chloride	2.788	84	935	0.258	ug/l #	79
22) Diisopropyl ether	3.770	45	3519	0.370	ug/l #	81
23) Vinyl Acetate	3.764	43	1872	0.226	ug/l #	66
31) Cyclohexane	5.550	56	5632	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23398	4.843	ug/l #	49
38) Carbon Tetrachloride	5.556	117	32800	5.934	ug/l #	17
40) Benzene	6.037	78	7438	0.537	ug/l	98
43) Isopropyl Acetate	6.330	43	7263	0.937	ug/l #	9
51) 4-Methyl-2-Pentanone	8.653	43	2354	0.476	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.190	63	24	Below Cal	#	45
59) 2-Hexanone	9.458	43	767	0.201	ug/l	99
67) Ethyl Benzene	10.195	91	6152	0.360	ug/l	98
68) m/p-Xylenes	10.305	106	4517	0.671	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	102272	22.680	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	102272	68.879	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	3774	0.286	ug/l	93

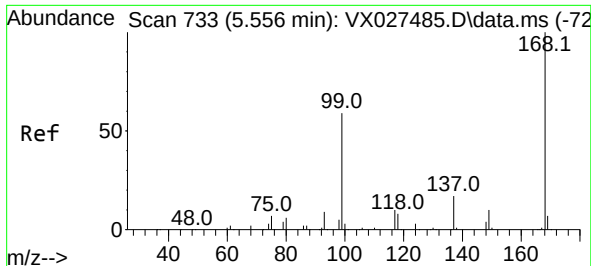
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
MW-109

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

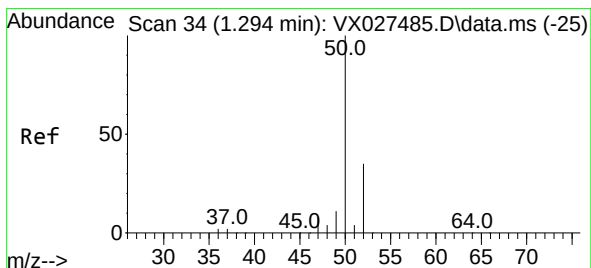
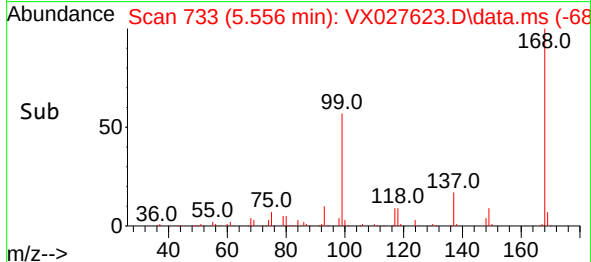
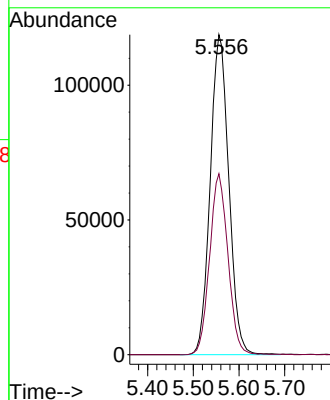
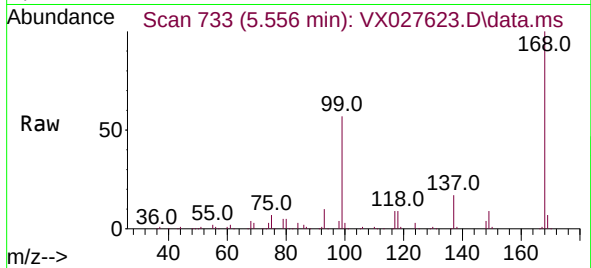




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

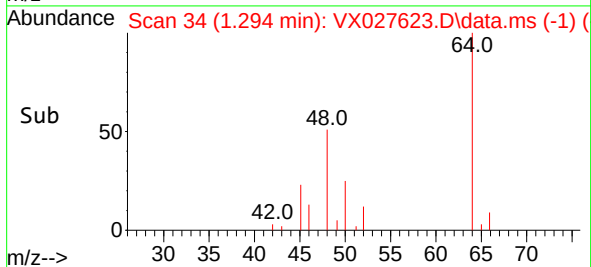
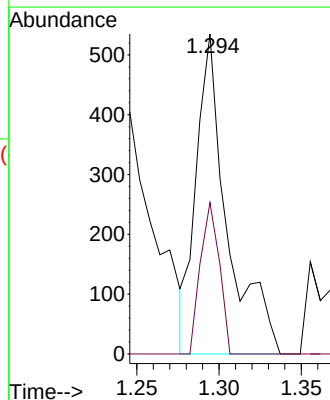
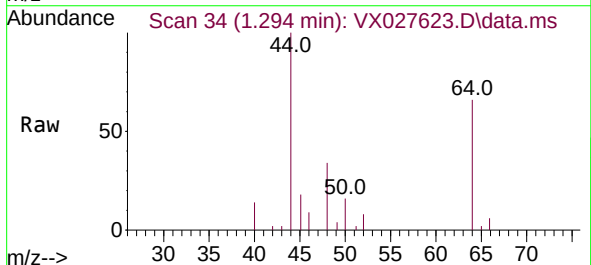
Instrument :
MSVOA_X
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MW-109

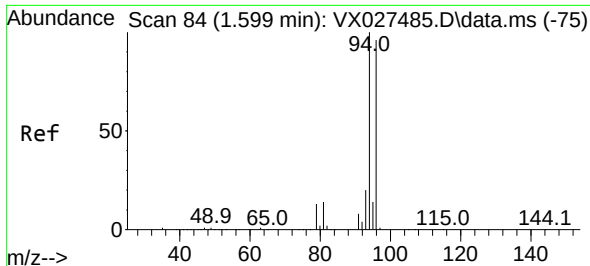
Tgt Ion:168 Resp: 335100
Ion Ratio Lower Upper
168 100
99 56.5 41.7 62.5



#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 50 Resp: 702
Ion Ratio Lower Upper
50 100
52 47.3 26.4 39.6#

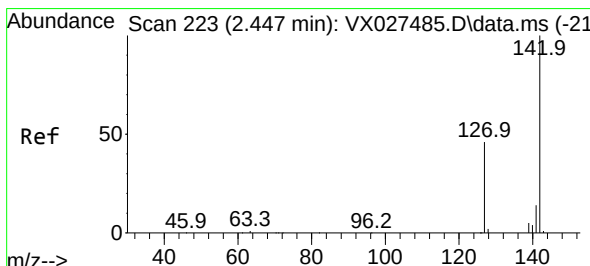
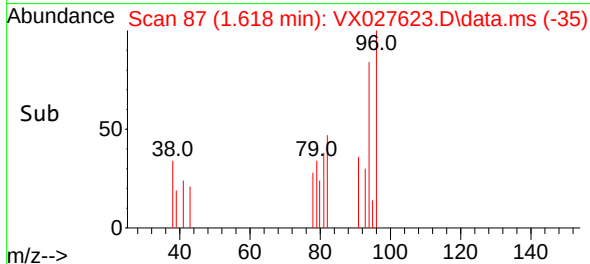
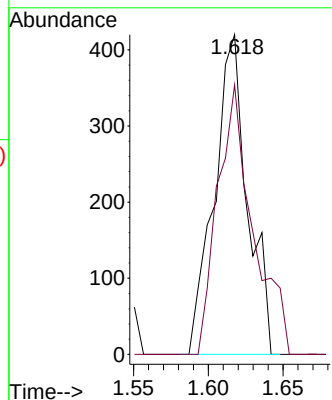
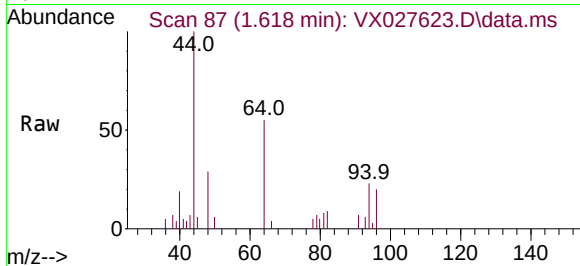




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

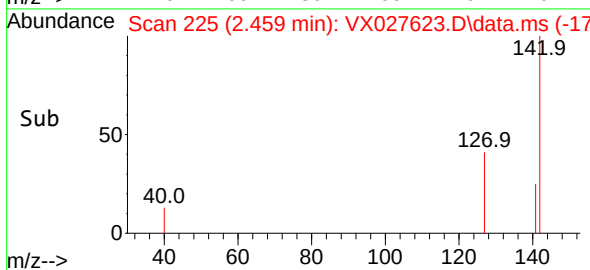
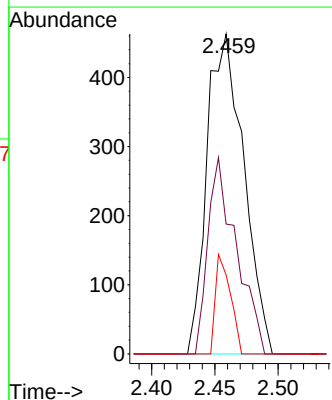
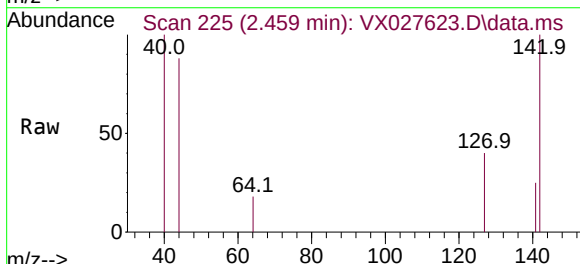
Instrument :
MSVOA_X
ClientSampleId :
MW-109

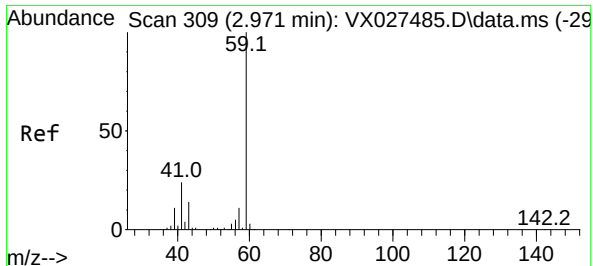
Tgt Ion: 94 Resp: 648
Ion Ratio Lower Upper
94 100
96 84.3 75.3 112.9



#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.012 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 142 Resp: 935
Ion Ratio Lower Upper
142 100
127 47.5 33.9 50.9
141 12.6 11.4 17.2





#11

Tert butyl alcohol

Concen: 96.876 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

Instrument :

MSVOA_X

ClientSampleId :

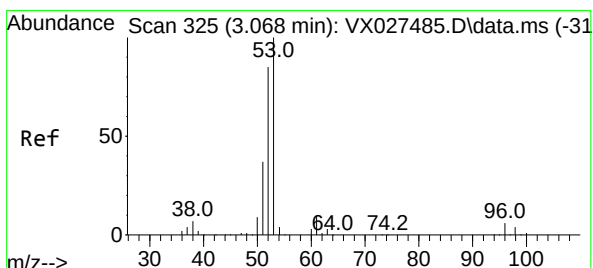
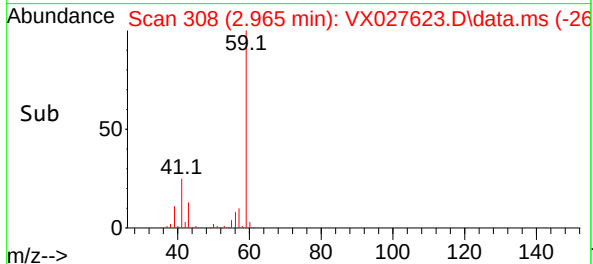
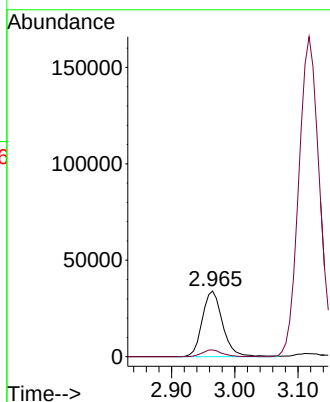
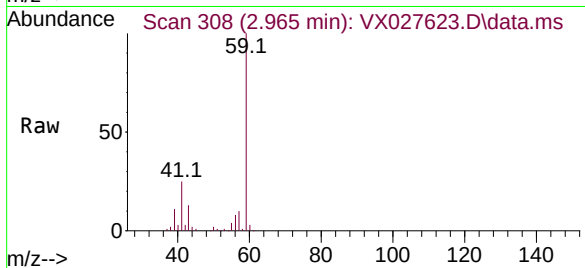
MW-109

Tgt Ion: 59 Resp: 76216

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 9.586 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.049 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

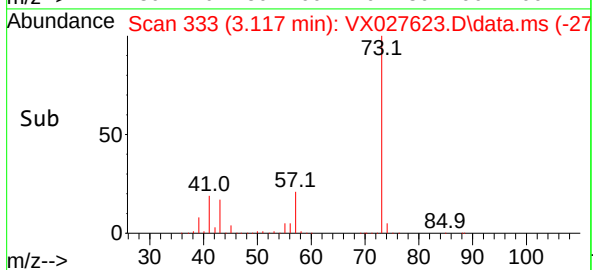
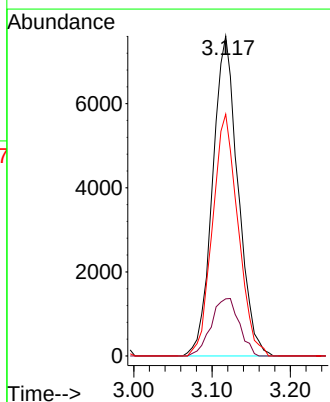
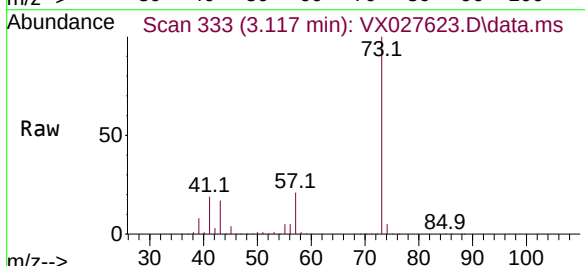
Tgt Ion: 53 Resp: 17146

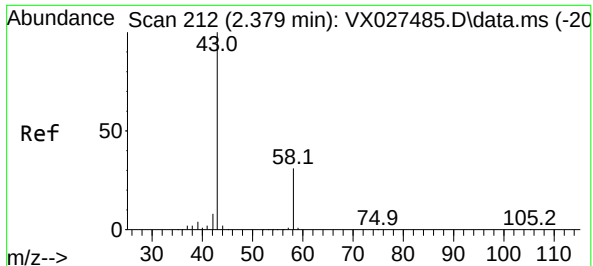
Ion Ratio Lower Upper

53 100

52 19.8 65.7 98.5#

51 75.9 28.4 42.6#

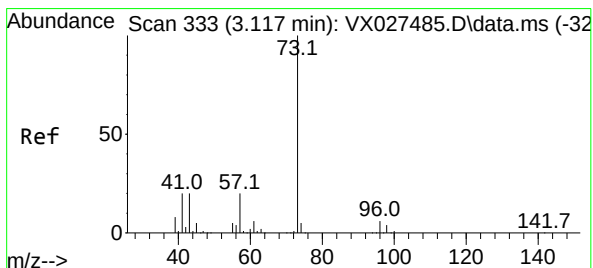
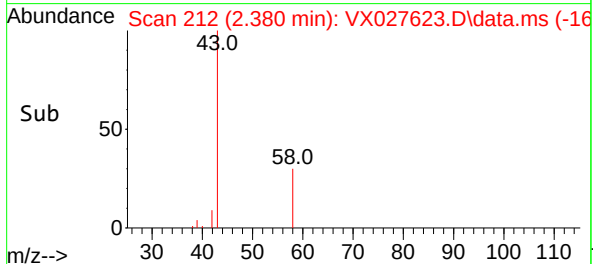
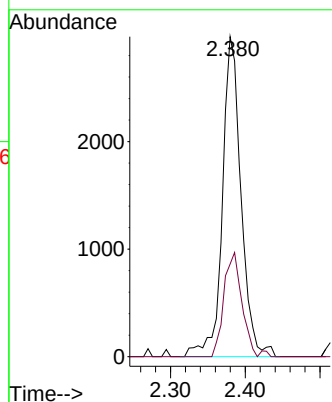
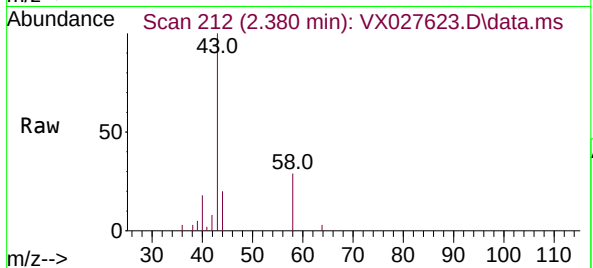




#16
Acetone
Concen: 3.076 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

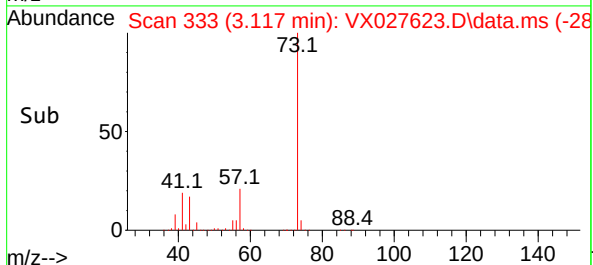
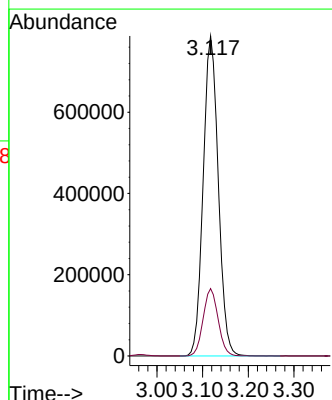
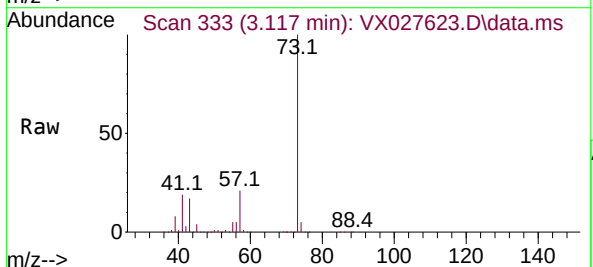
Instrument :
MSVOA_X
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MW-109

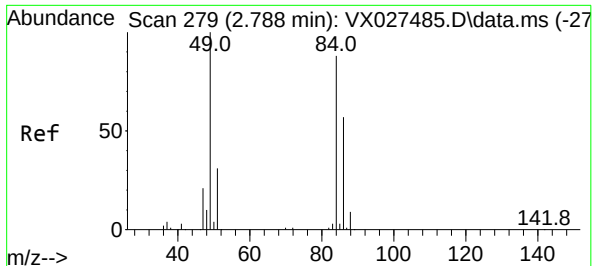
Tgt Ion: 43 Resp: 5175
Ion Ratio Lower Upper
43 100
58 28.9 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 171.471 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 73 Resp: 1800185
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2

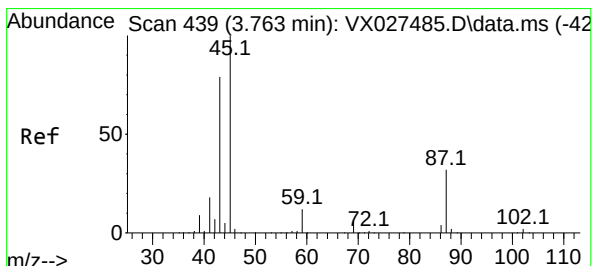
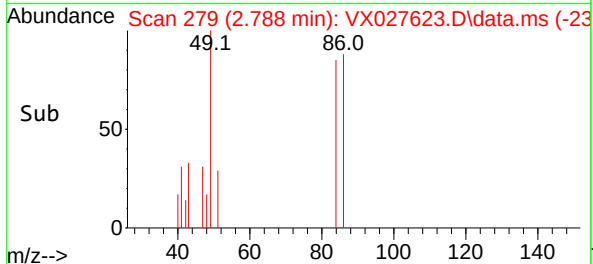
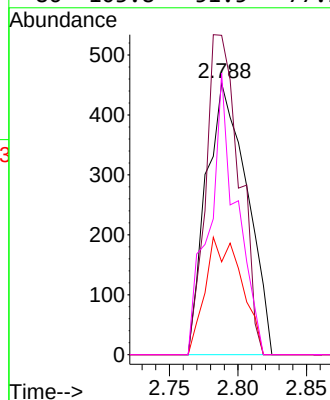
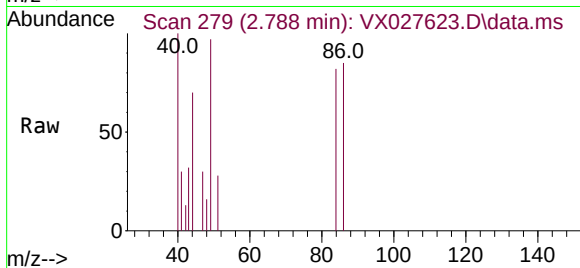




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

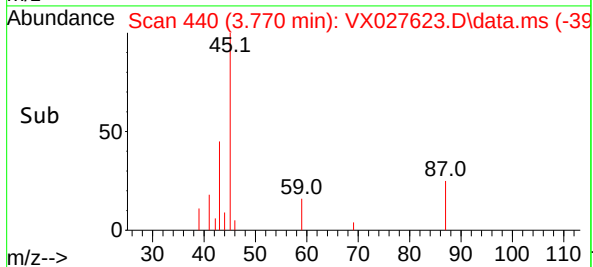
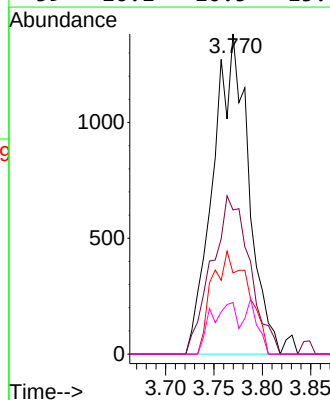
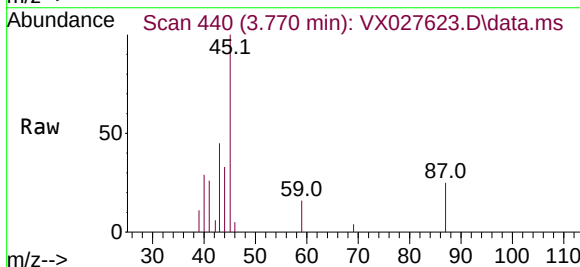
Instrument :
MSVOA_X
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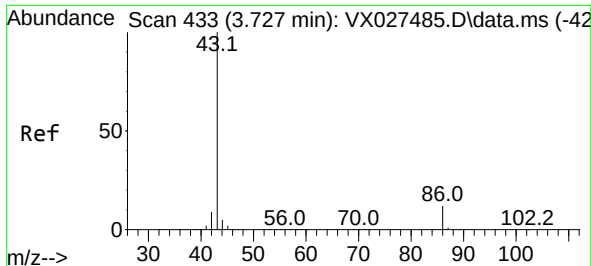
Tgt Ion:	84	Resp:	935
Ion	Ratio	Lower	Upper
84	100		
49	117.7	85.5	128.3
51	34.2	26.6	39.8
86	103.8	51.5	77.3#



#22
Diisopropyl ether
Concen: 0.370 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion:	45	Resp:	3519
Ion	Ratio	Lower	Upper
45	100		
43	45.0	50.8	76.2#
87	25.3	26.6	39.8#
59	16.1	10.5	15.7#

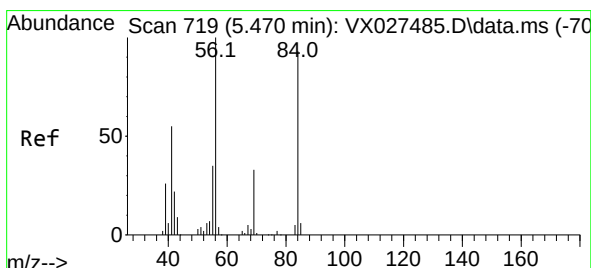
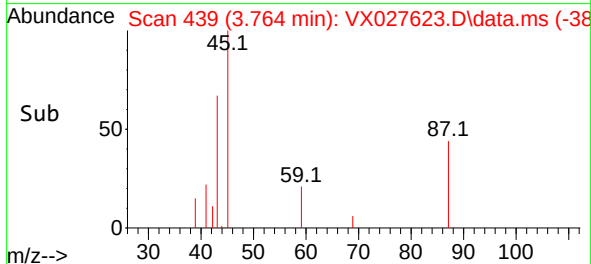
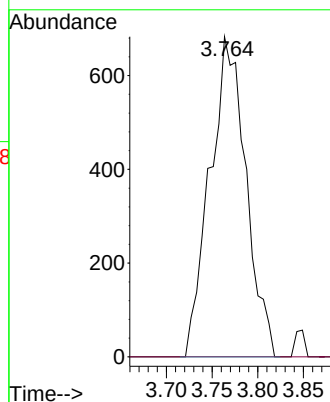
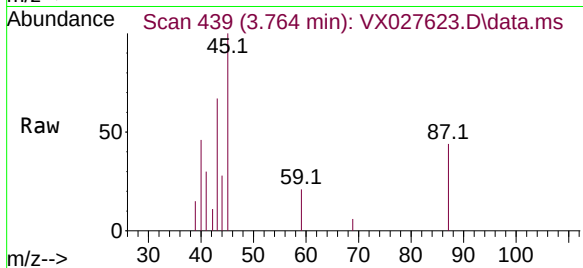




#23
 Vinyl Acetate
 Concen: 0.226 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX027623.D
 Acq: 22 Mar 2022 18:39

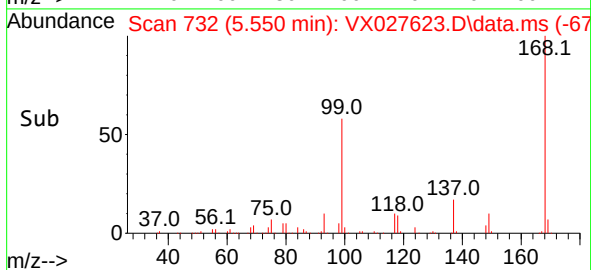
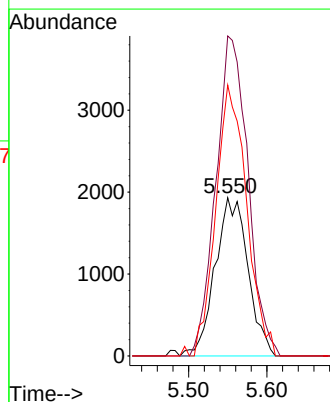
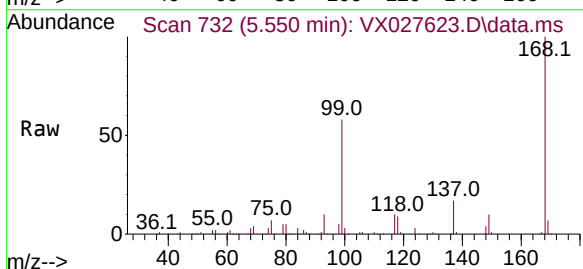
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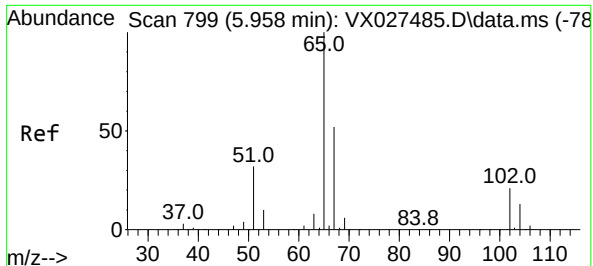
Tgt Ion: 43 Resp: 1872
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#31
 Cyclohexane
 Concen: 1.099 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX027623.D
 Acq: 22 Mar 2022 18:39

Tgt Ion: 56 Resp: 5632
 Ion Ratio Lower Upper
 56 100
 69 202.1 26.7 40.1#
 84 171.1 77.2 115.8#

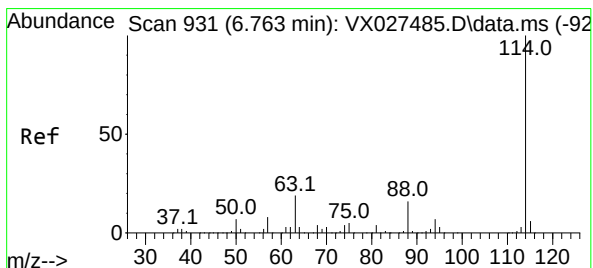
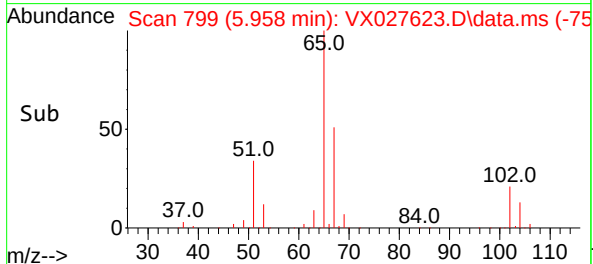
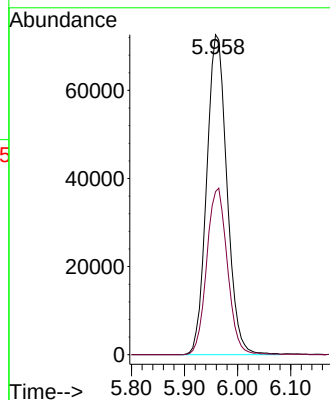
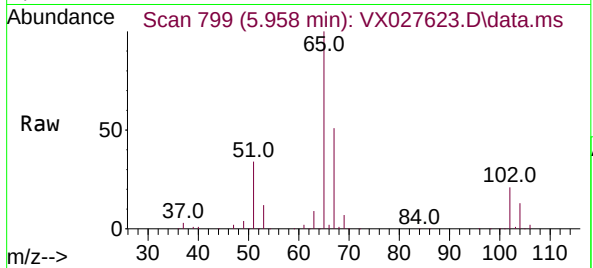




#33
 1,2-Dichloroethane-d4
 Concen: 46.785 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX027623.D
 Acq: 22 Mar 2022 18:39

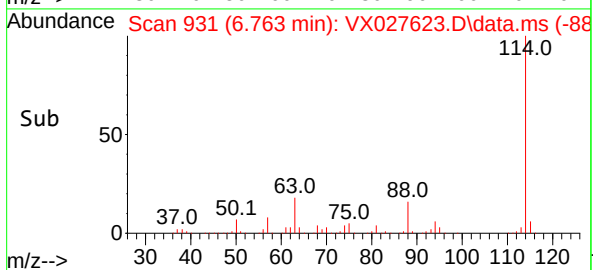
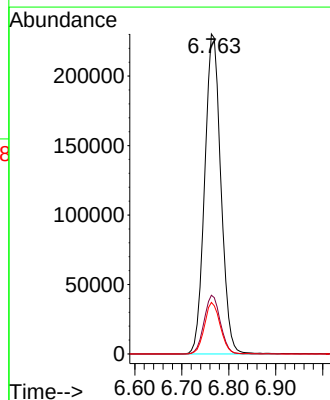
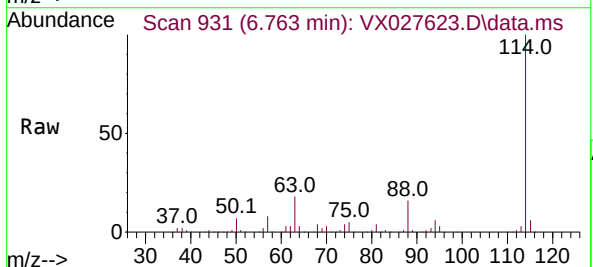
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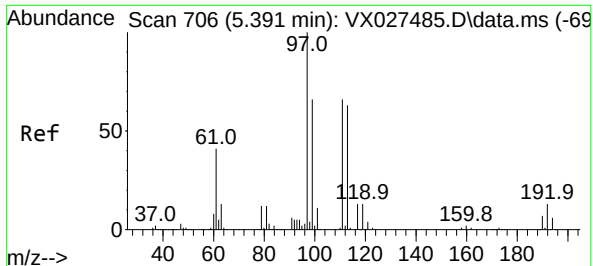
Tgt Ion: 65 Resp: 193132
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX027623.D
 Acq: 22 Mar 2022 18:39

Tgt Ion: 114 Resp: 549508
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.8
 88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.880 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

Instrument :

MSVOA_X

ClientSampleId :

MW-109

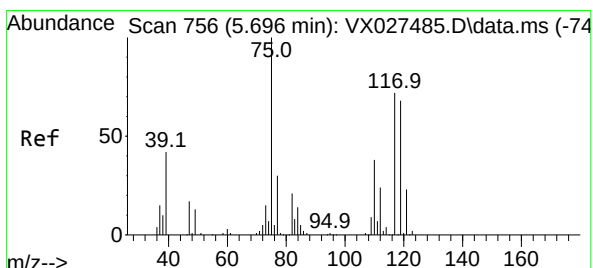
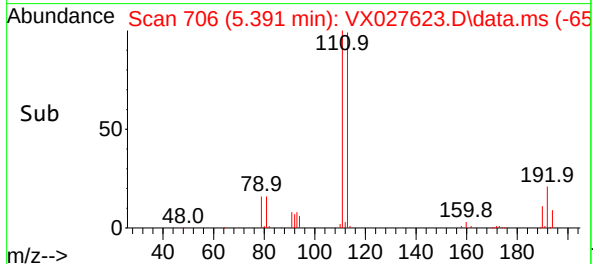
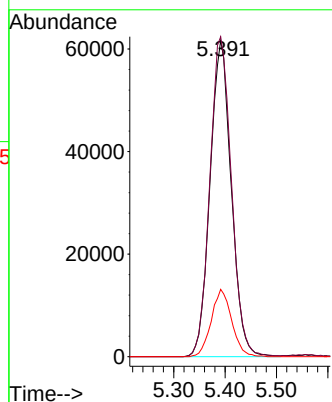
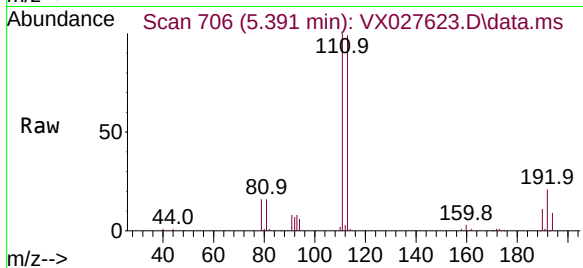
Tgt Ion:113 Resp: 176349

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 20.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.843 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

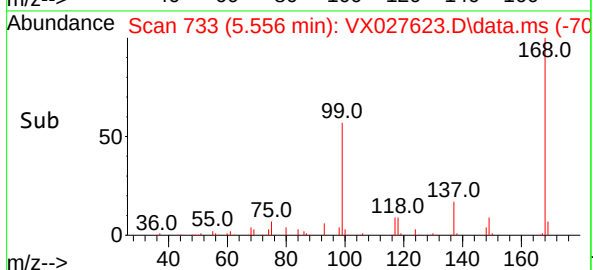
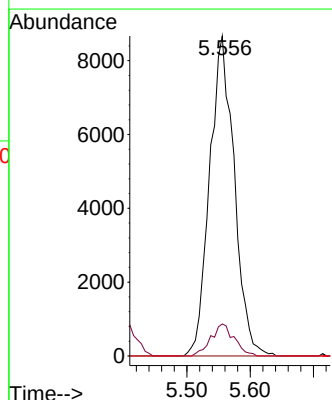
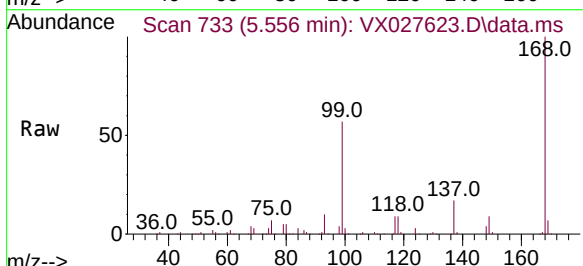
Tgt Ion: 75 Resp: 23398

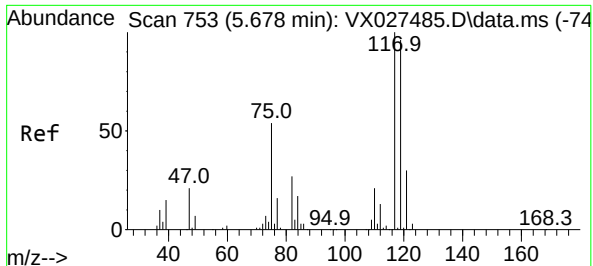
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#

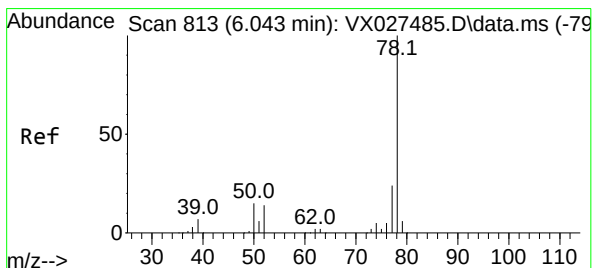
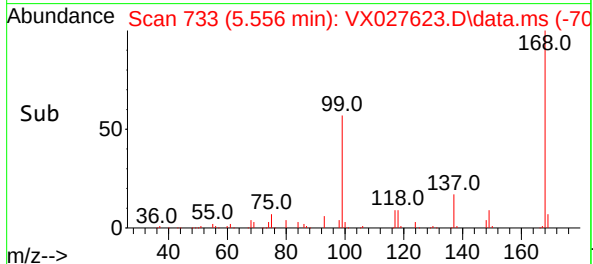
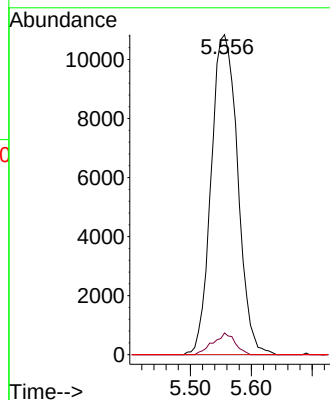
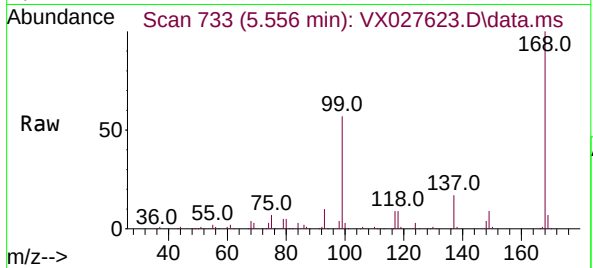




#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

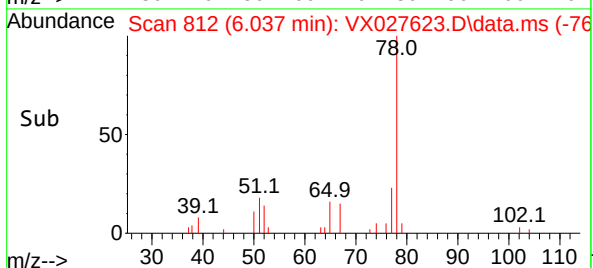
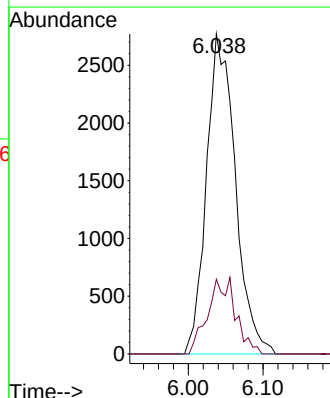
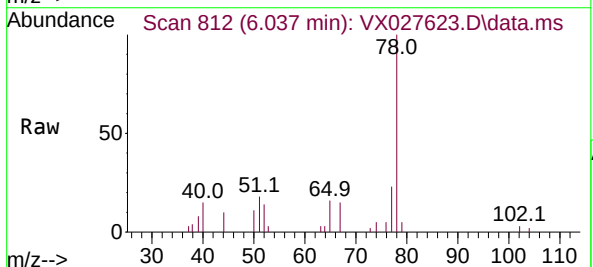
Instrument :
MSVOA_X
ClientSampleId :
MW-109

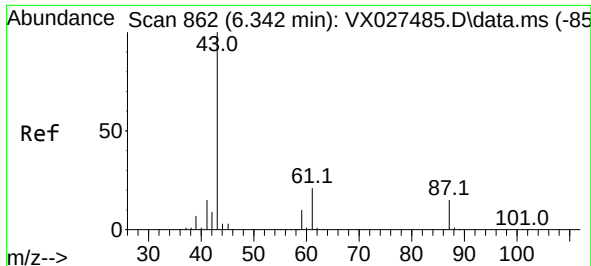
Tgt Ion:117 Resp: 32800
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.537 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 78 Resp: 7438
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

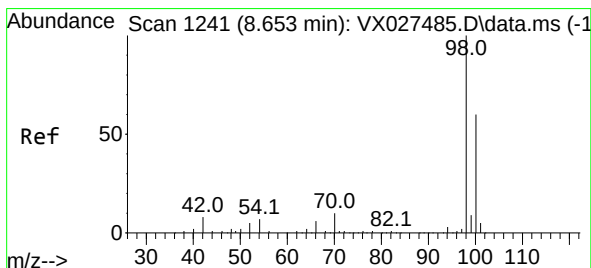
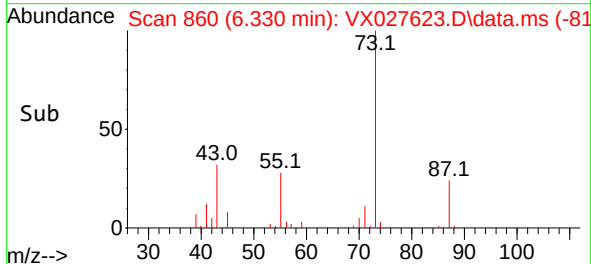
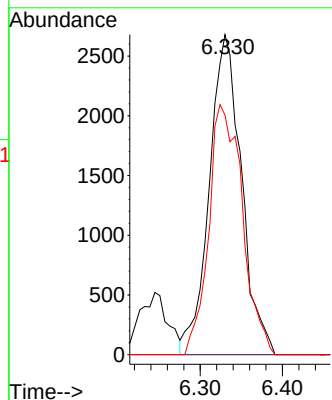
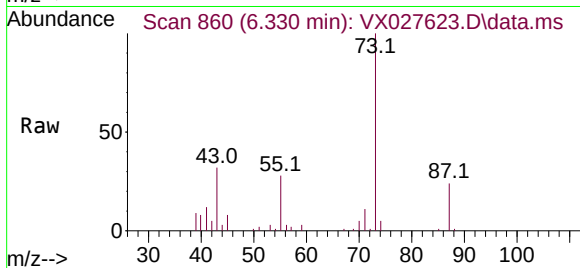




#43
Isopropyl Acetate
Concen: 0.937 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

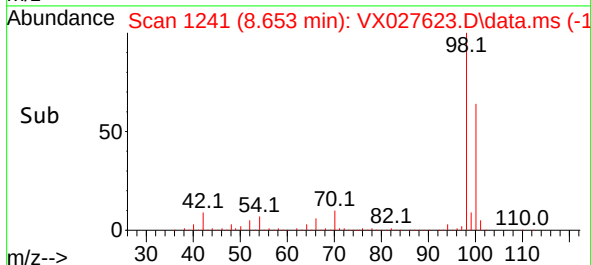
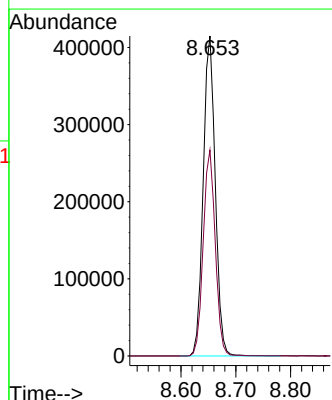
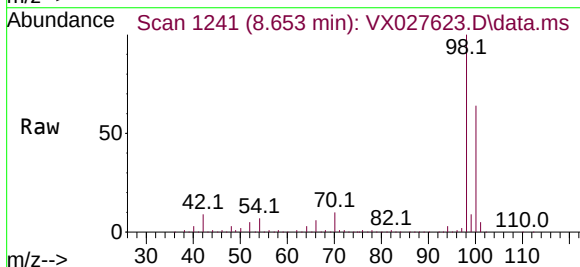
Instrument :
MSVOA_X
ClientSampleId :
MW-109

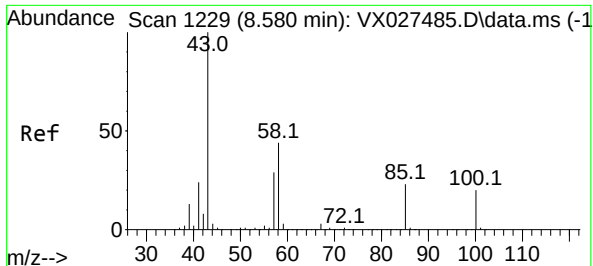
Tgt Ion: 43 Resp: 7263
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 81.7 13.0 19.6#



#50
Toluene-d8
Concen: 47.262 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 98 Resp: 632299
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.476 ug/l

RT: 8.653 min Scan# 1165

Delta R.T. 0.073 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

Instrument :

MSVOA_X

ClientSampleId :

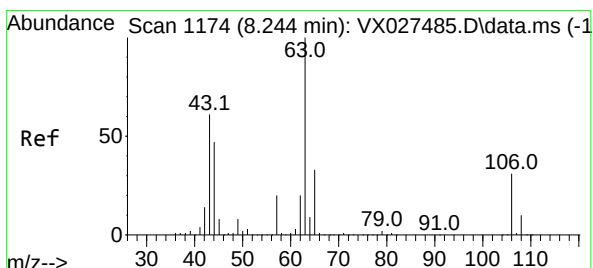
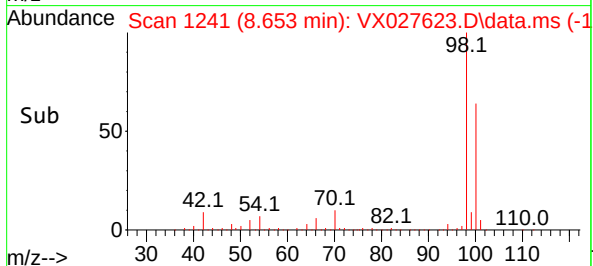
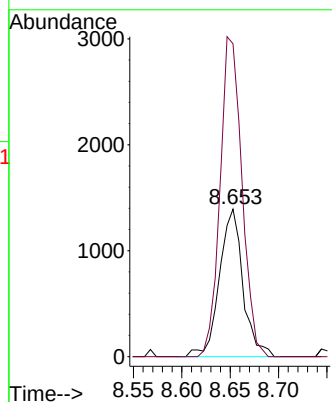
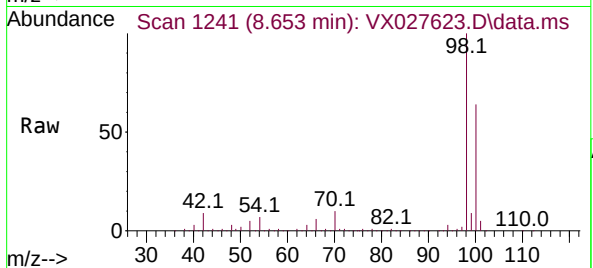
MW-109

Tgt Ion: 43 Resp: 2354

Ion Ratio Lower Upper

43 100

58 201.9 36.1 54.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 8.190 min Scan# 1165

Delta R.T. -0.054 min

Lab File: VX027623.D

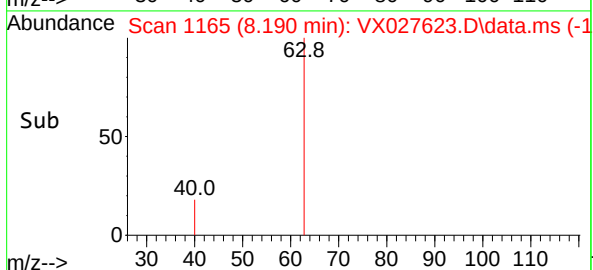
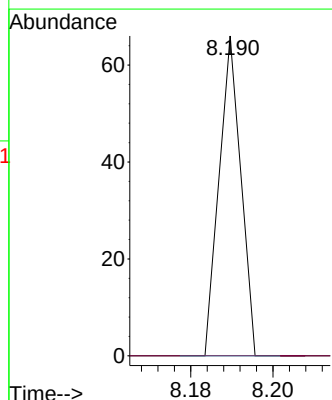
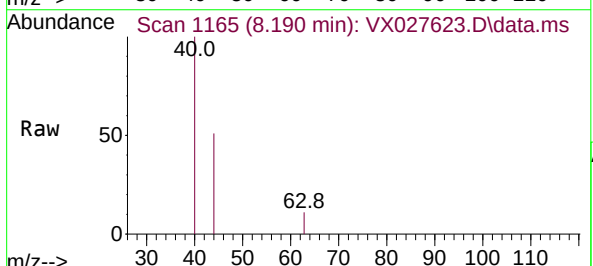
Acq: 22 Mar 2022 18:39

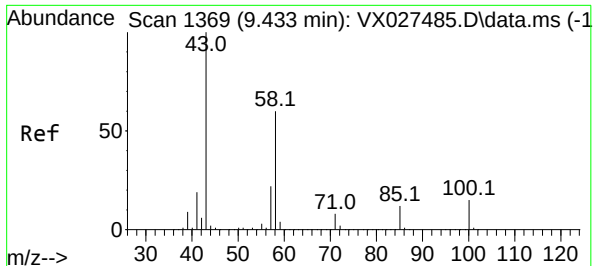
Tgt Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#





#59

2-Hexanone

Concen: 0.201 ug/l

RT: 9.458 min Scan# 11

Delta R.T. 0.025 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

Instrument :

MSVOA_X

ClientSampleId :

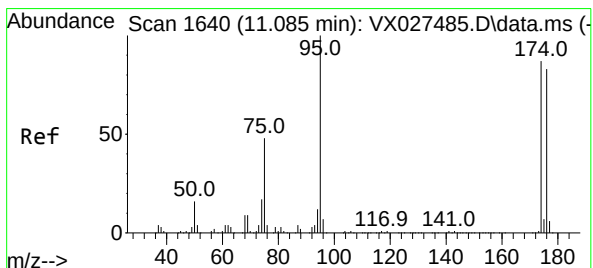
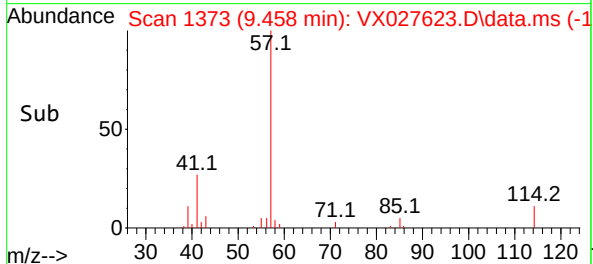
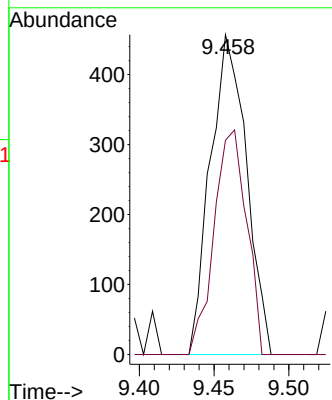
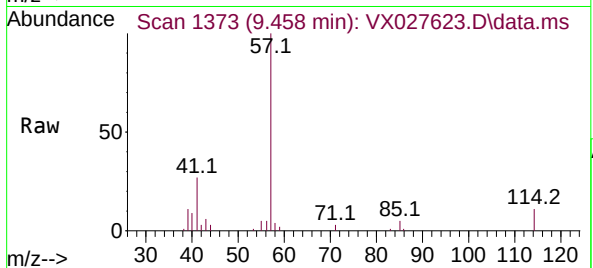
MW-109

Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

58 63.4 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 44.408 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027623.D

Acq: 22 Mar 2022 18:39

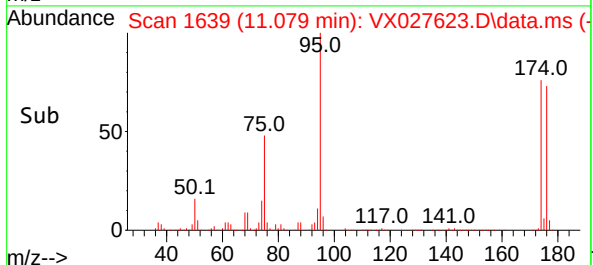
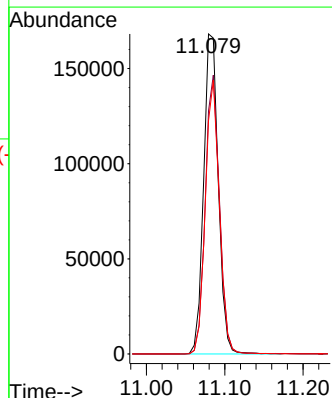
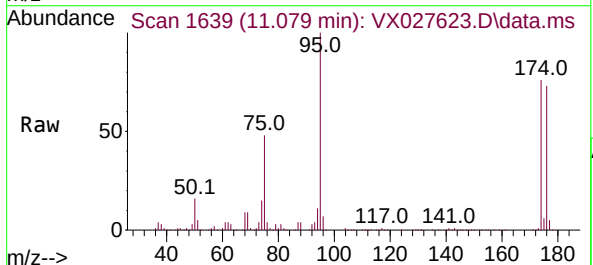
Tgt Ion: 95 Resp: 218368

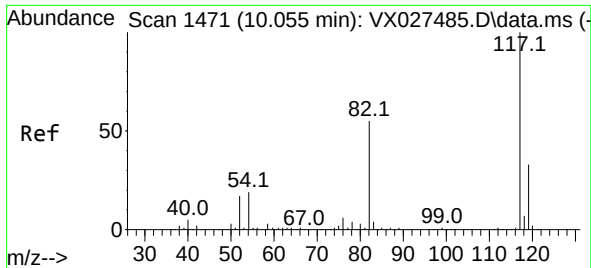
Ion Ratio Lower Upper

95 100

174 84.4 0.0 163.0

176 82.3 0.0 155.0

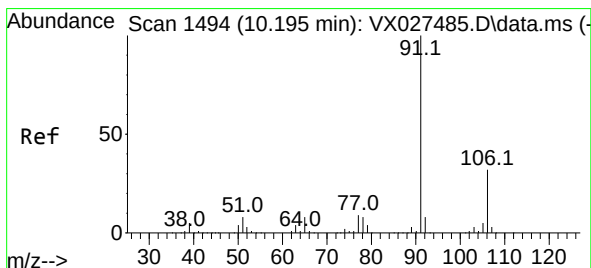
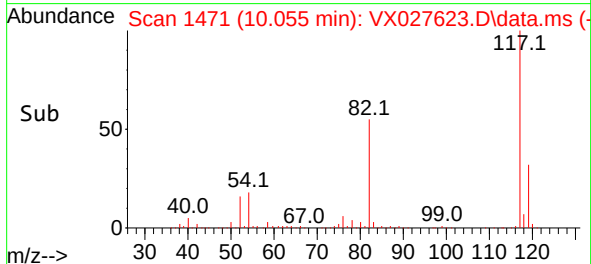
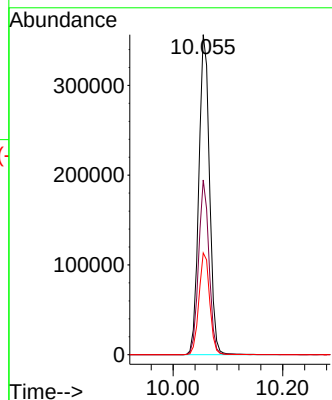
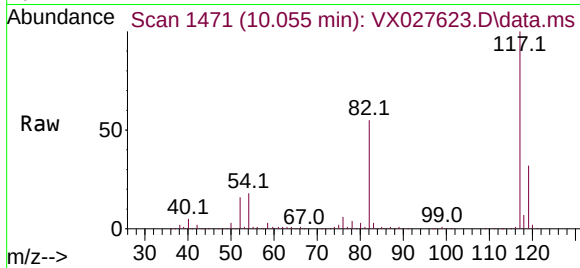




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

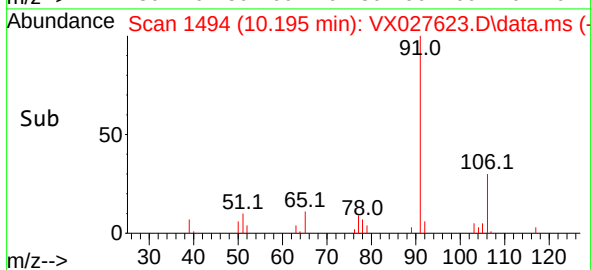
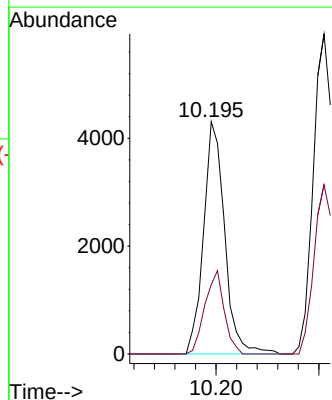
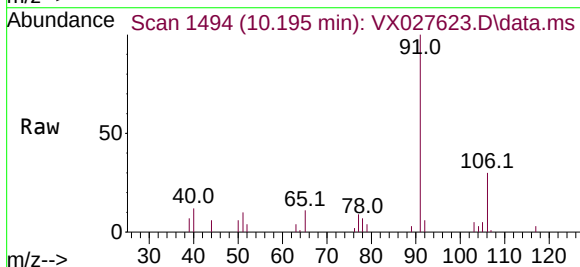
Instrument :
MSVOA_X
ClientSampleId :
MW-109

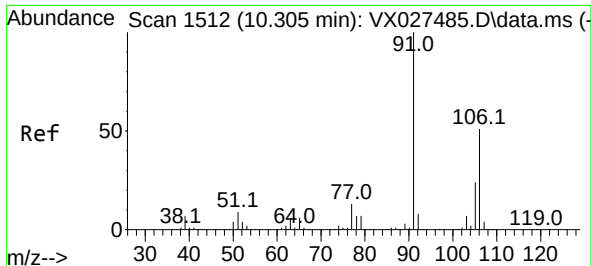
Tgt Ion:117 Resp: 485252
Ion Ratio Lower Upper
117 100
82 54.6 41.8 62.8
119 31.8 24.8 37.2



#67
Ethyl Benzene
Concen: 0.360 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 91 Resp: 6152
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8

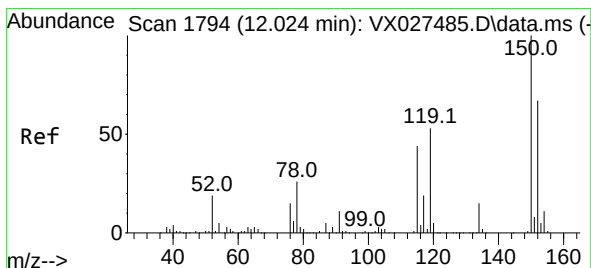
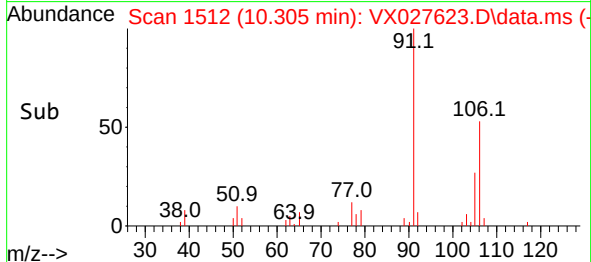
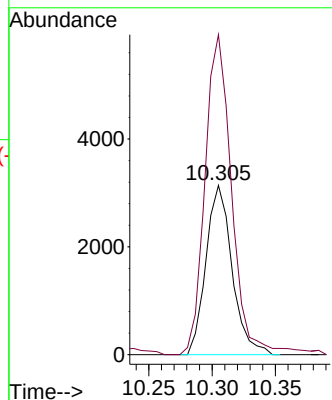
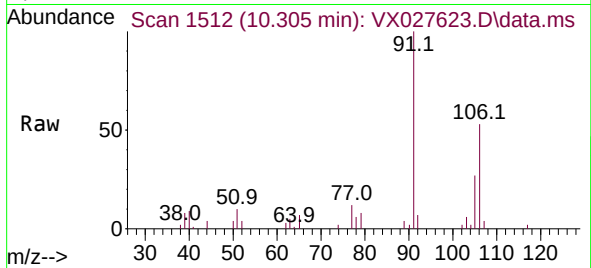




#68
m/p-Xylenes
Concen: 0.671 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

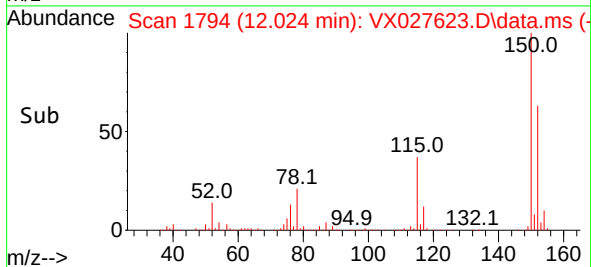
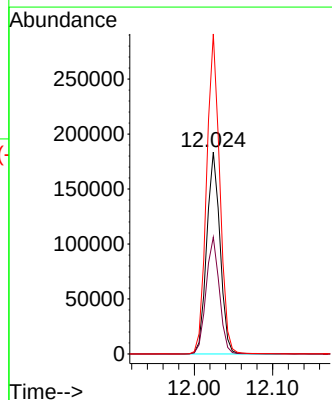
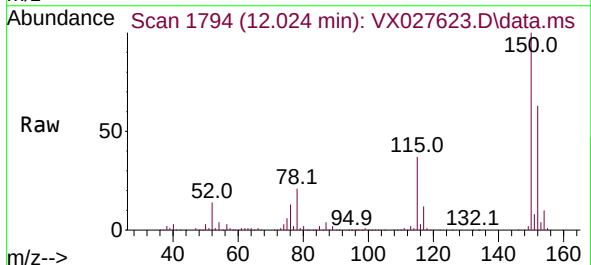
Instrument :
MSVOA_X
ClientSampleId :
MW-109

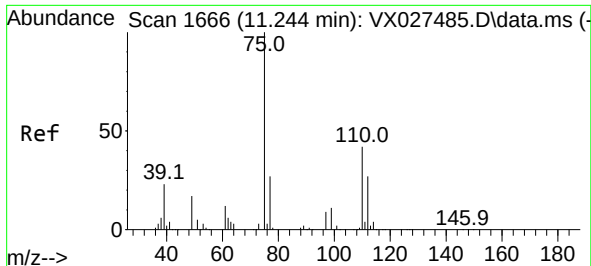
Tgt Ion:106 Resp: 4517
Ion Ratio Lower Upper
106 100
91 194.4 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion:152 Resp: 215590
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 156.9 0.0 338.2

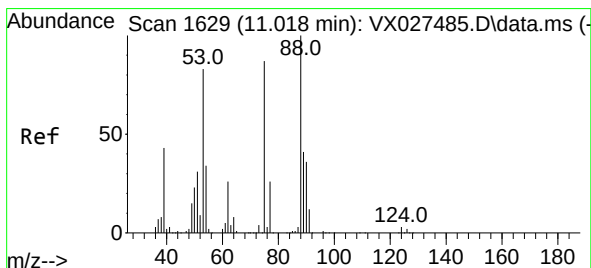
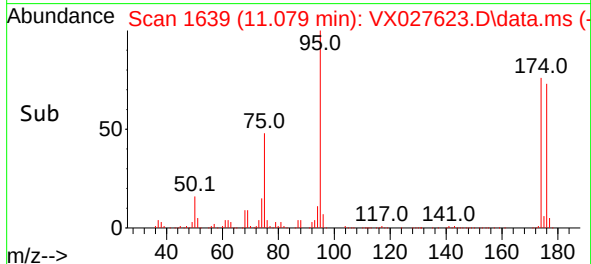
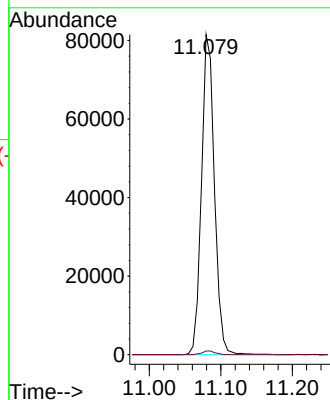
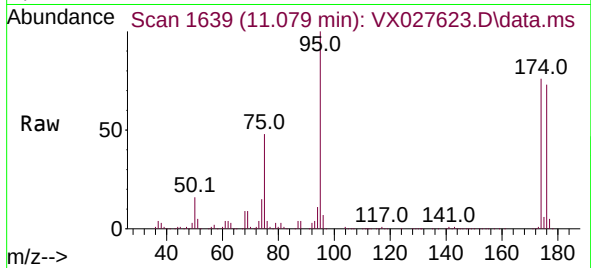




#76
1,2,3-Trichloropropane
Concen: 22.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

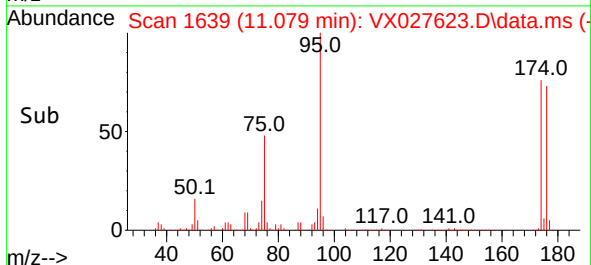
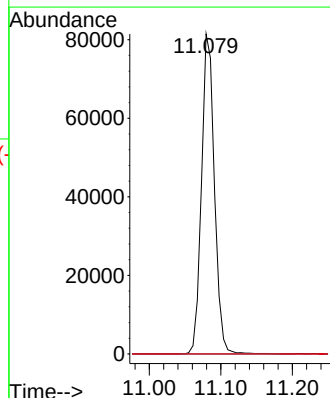
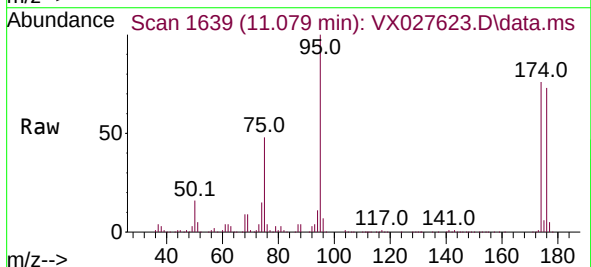
Instrument :
MSVOA_X
ClientSampleId :
MW-109

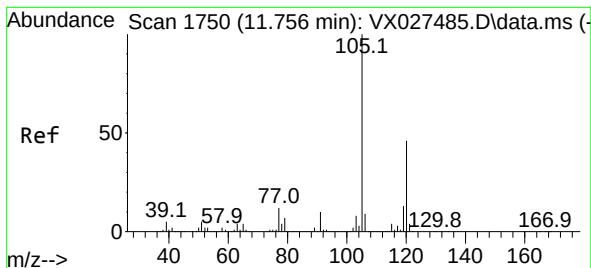
Tgt Ion: 75 Resp: 102272
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.879 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027623.D
Acq: 22 Mar 2022 18:39

Tgt Ion: 75 Resp: 102272
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: 0.286 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027623.D

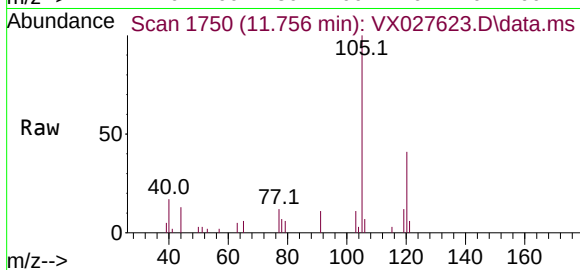
Acq: 22 Mar 2022 18:39

Instrument :

MSVOA_X

ClientSampleId :

MW-109



Tgt Ion:105 Resp: 3774

Ion Ratio Lower Upper

105 100

120 40.5 22.6 67.8

