

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029639.D
 Acq On : 21 Jun 2022 04:36
 Operator : JC/MD
 Sample : N3354-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-47

Quant Time: Jun 21 08:47:10 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)

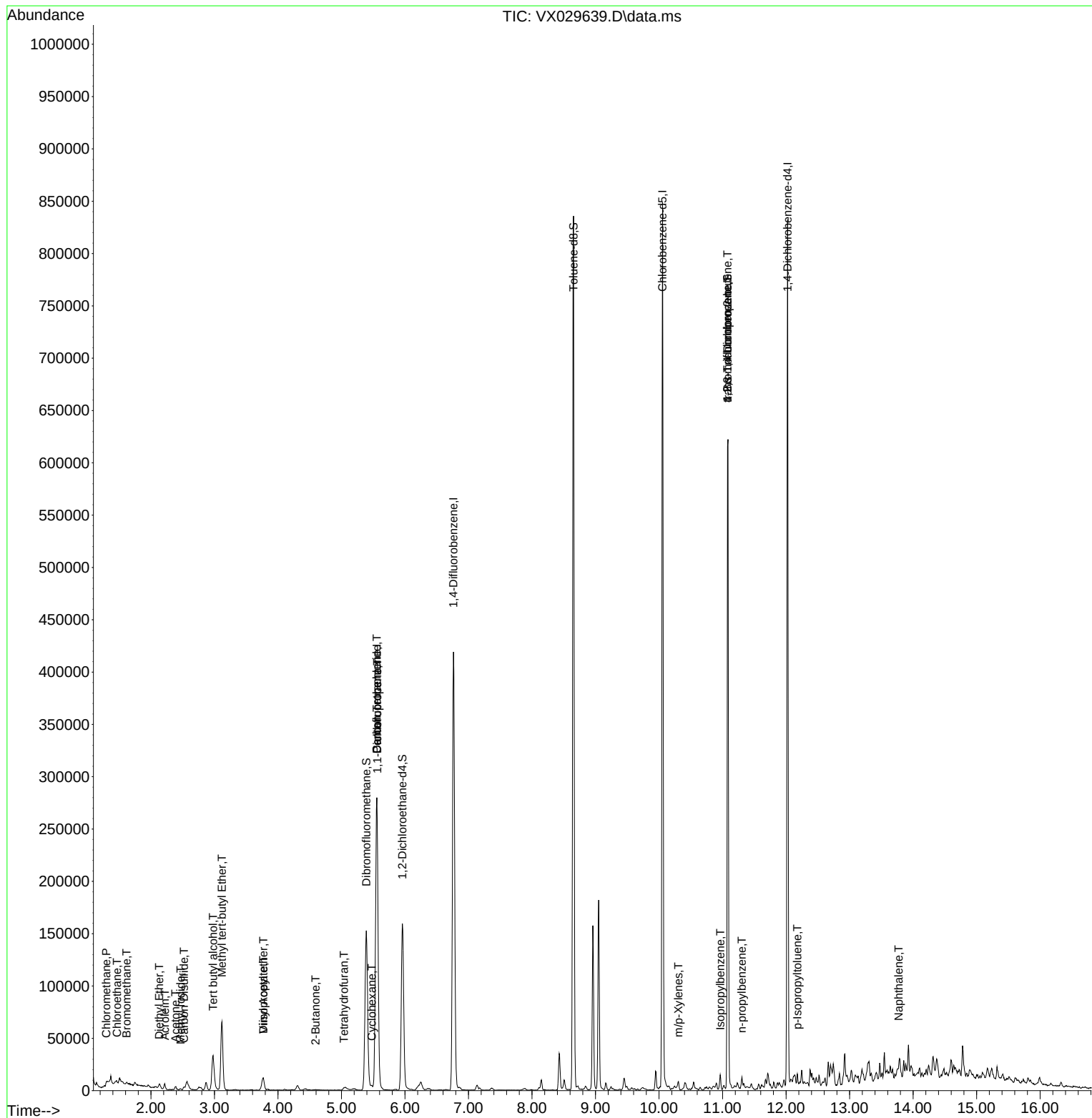
Internal Standards						
1) Pentafluorobenzene	5.556	168	265965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	454923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153439	43.583	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.160%
35) Dibromofluoromethane	5.391	113	136910	46.181	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.360%
50) Toluene-d8	8.653	98	510848	47.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.340%
62) 4-Bromofluorobenzene	11.079	95	184388	45.145	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.300%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1654	0.477	ug/l	97
5) Bromomethane	1.618	94	811	0.498	ug/l	98
6) Chloroethane	1.465	64	449	1.467	ug/l #	51
8) Diethyl Ether	2.130	74	1301	0.742	ug/l	62
10) Methyl Iodide	2.465	142	1330	3.410	ug/l #	92
11) Tert butyl alcohol	2.977	59	49526	57.424	ug/l	99
13) Acrolein	2.221	56	151	0.779	ug/l #	1
16) Acetone	2.386	43	3969	2.828	ug/l	93
17) Carbon Disulfide	2.520	76	4812	0.689	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	76553	8.184	ug/l	97
22) Diisopropyl ether	3.770	45	12839	1.492	ug/l	90
23) Vinyl Acetate	3.770	43	6474	0.901	ug/l #	66
25) 2-Butanone	4.593	43	660	0.298	ug/l #	44
29) Tetrahydrofuran	5.038	42	607	0.411	ug/l #	36
31) Cyclohexane	5.477	56	2565	0.543	ug/l	85
36) 1,1-Dichloropropene	5.562	75	19759	4.924	ug/l #	50
38) Carbon Tetrachloride	5.556	117	27963	7.087	ug/l #	16
44) Trichloroethene	7.135	130	2127	Below Cal		87
68) m/p-Xylenes	10.305	106	1844	0.348	ug/l	91
73) Isopropylbenzene	10.964	105	6355	0.499	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	88061	23.790	ug/l #	38
78) n-propylbenzene	11.305	91	3163	0.220	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	88061	79.144	ug/l #	15
86) p-Isopropyltoluene	12.177	119	4763	0.439	ug/l	89
95) Naphthalene	13.774	128	3427	0.288	ug/l #	84

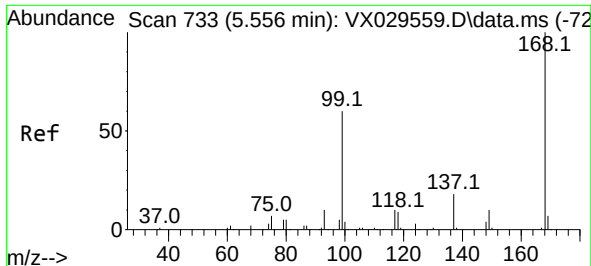
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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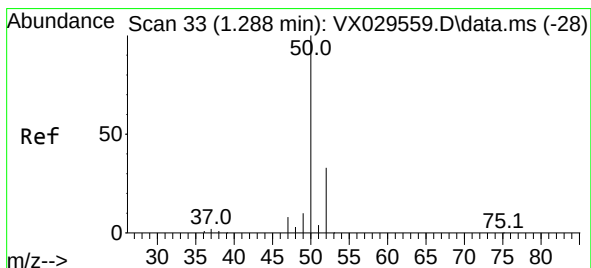
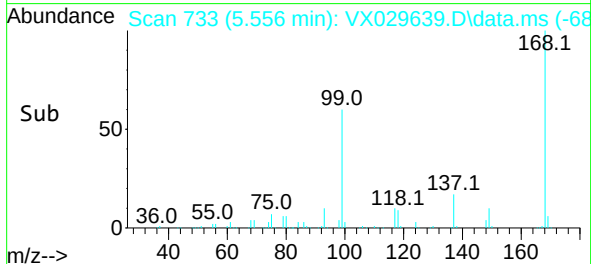
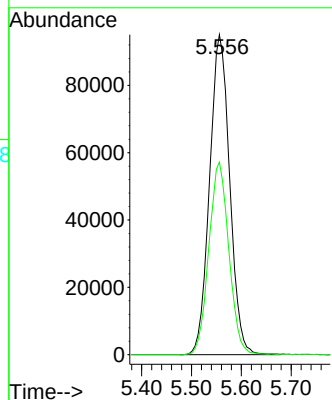
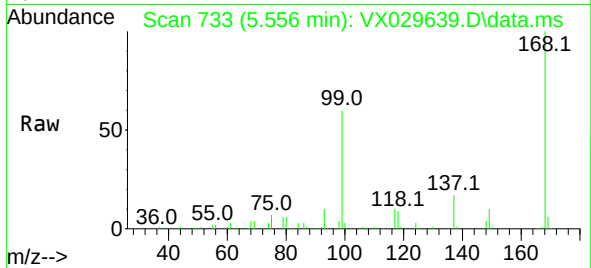




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029639.D
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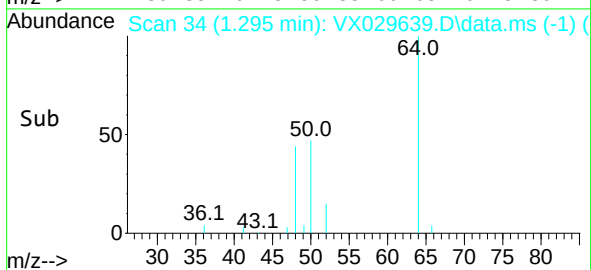
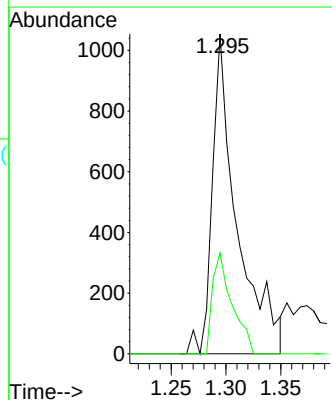
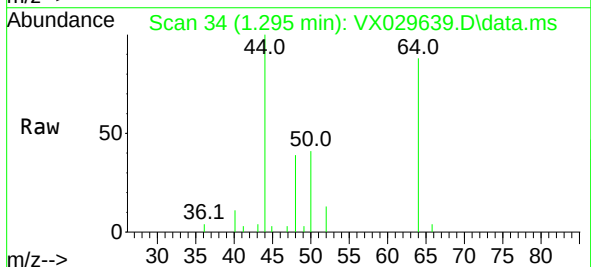
Instrument :
MSVOA_X
ClientSampleId :
MW-47

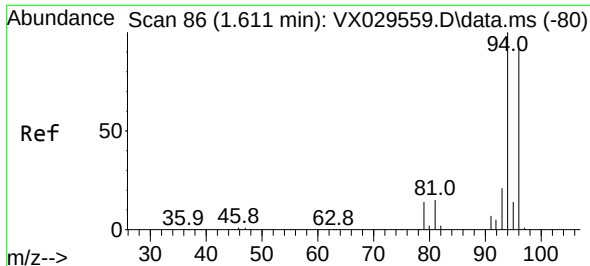
Tgt Ion:168 Resp: 265965
Ion Ratio Lower Upper
168 100
99 60.2 41.7 62.5



#3
Chloromethane
Concen: 0.477 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion: 50 Resp: 1654
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6

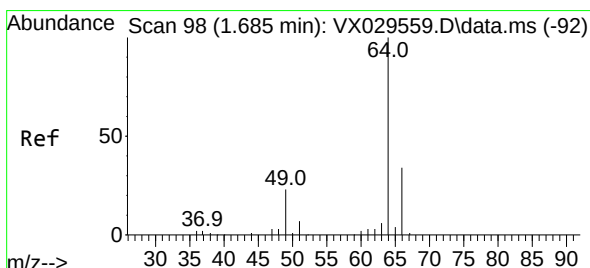
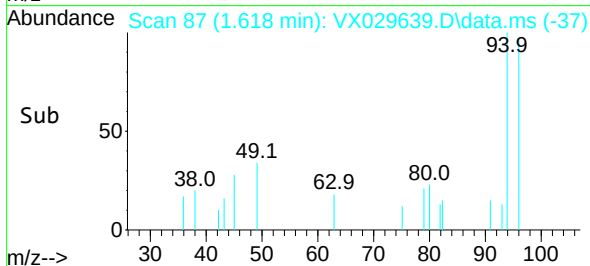
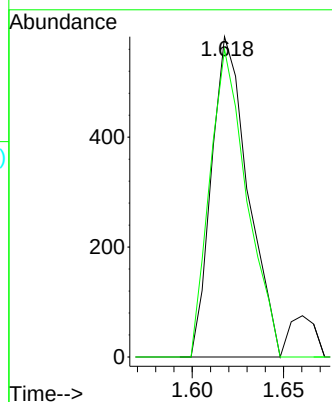
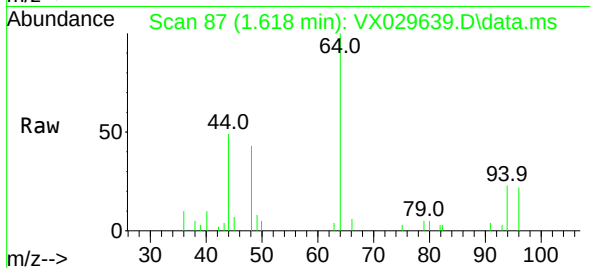




#5
Bromomethane
Concen: 0.498 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

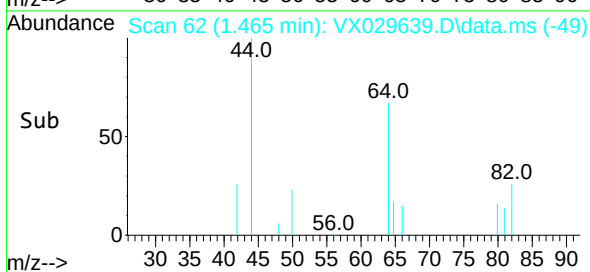
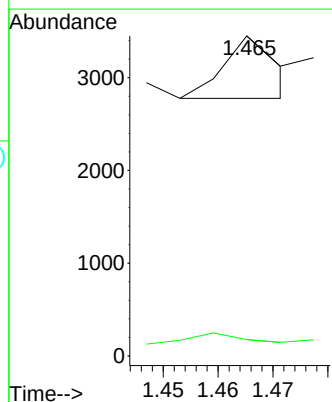
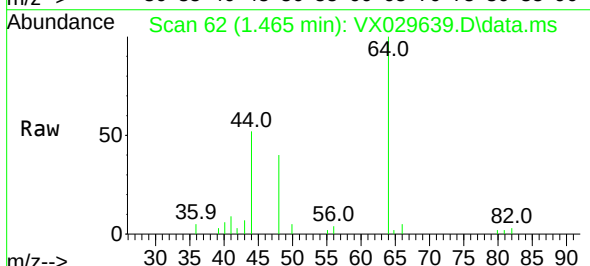
Instrument :
MSVOA_X
ClientSampleId :
MW-47

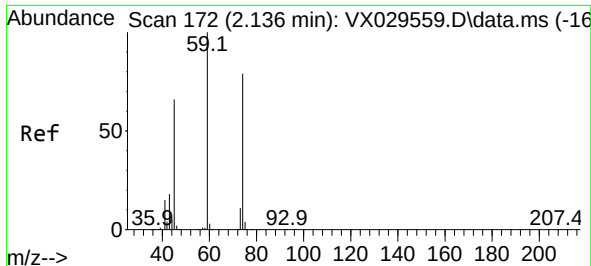
Tgt Ion: 94 Resp: 811
Ion Ratio Lower Upper
94 100
96 96.1 75.3 112.9



#6
Chloroethane
Concen: 1.467 ug/l
RT: 1.465 min Scan# 62
Delta R.T. -0.220 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion: 64 Resp: 449
Ion Ratio Lower Upper
64 100
66 4.3 25.3 37.9#

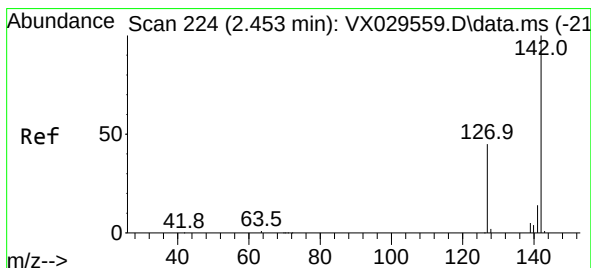
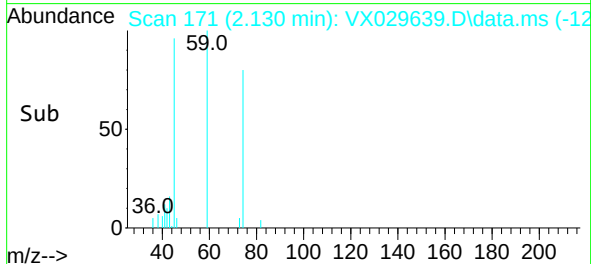
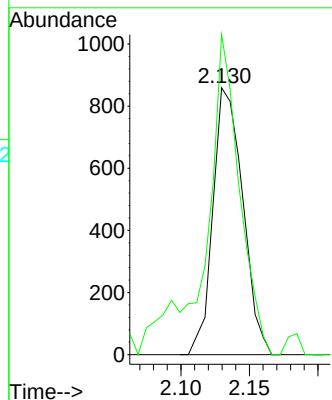
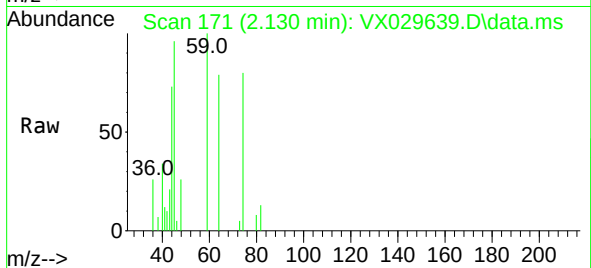




#8
Diethyl Ether
Concen: 0.742 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

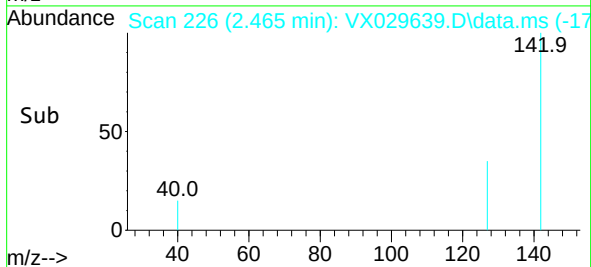
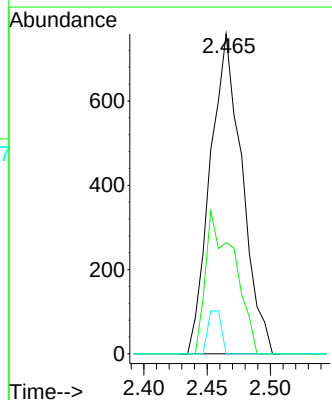
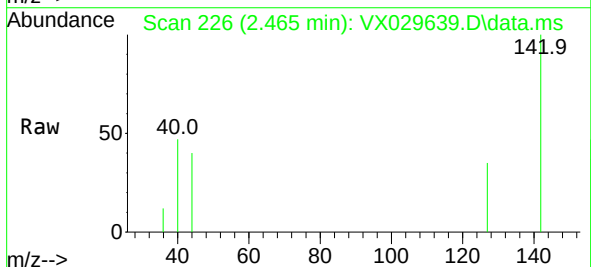
Instrument :
MSVOA_X
ClientSampleId :
MW-47

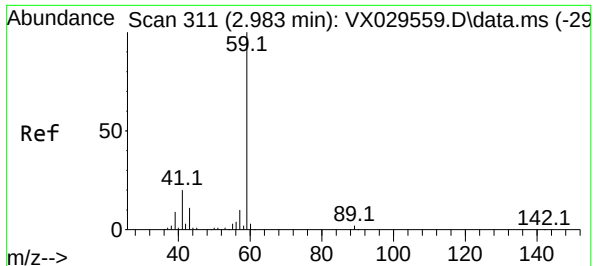
Tgt Ion: 74 Resp: 1301
Ion Ratio Lower Upper
74 100
45 118.2 42.0 126.0



#10
Methyl Iodide
Concen: 3.410 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion: 142 Resp: 1330
Ion Ratio Lower Upper
142 100
127 40.3 33.9 50.9
141 5.6 11.4 17.2#





#11

Tert butyl alcohol

Concen: 57.424 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

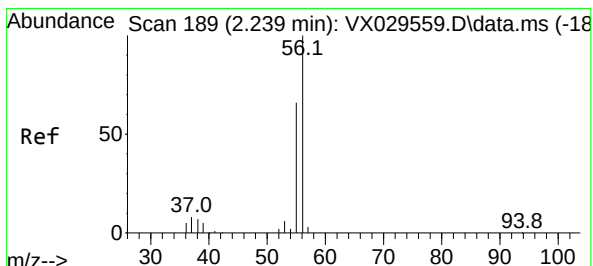
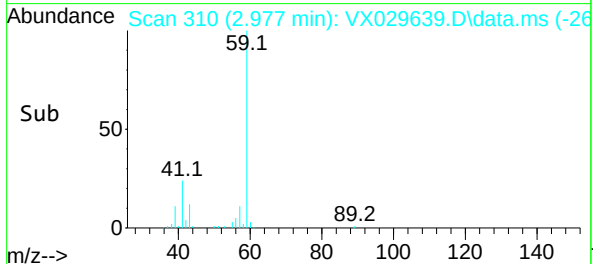
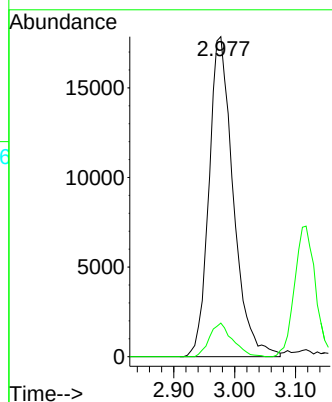
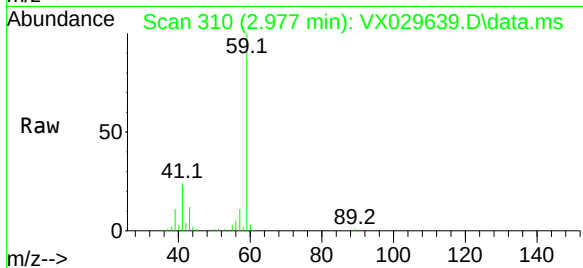
MW-47

Tgt Ion: 59 Resp: 49526

Ion Ratio Lower Upper

59 100

57 9.9 8.3 12.5



#13

Acrolein

Concen: 0.779 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX029639.D

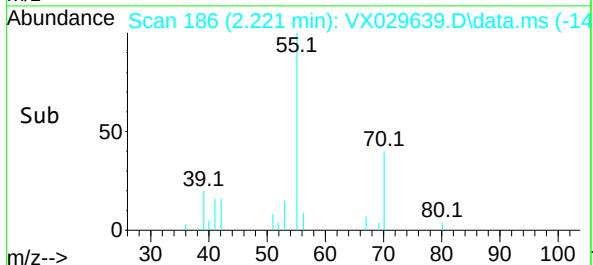
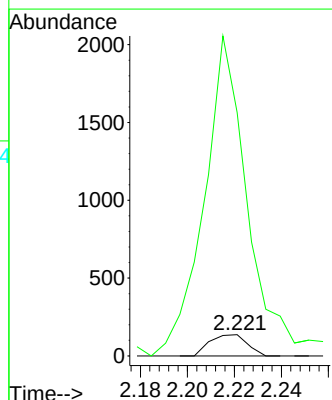
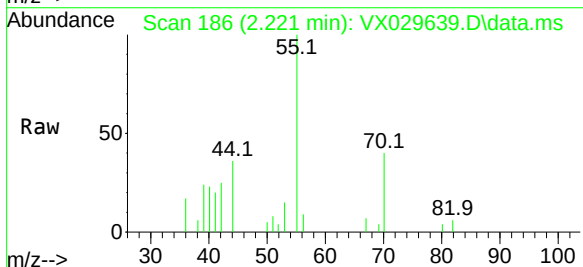
Acq: 21 Jun 2022 04:36

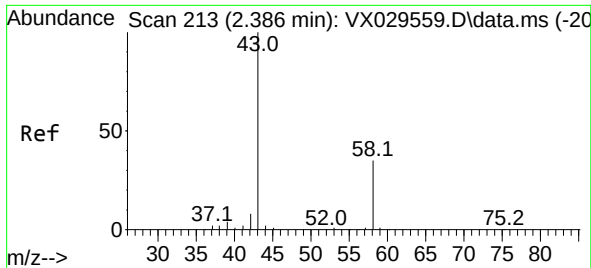
Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 1768.9 55.0 82.6#

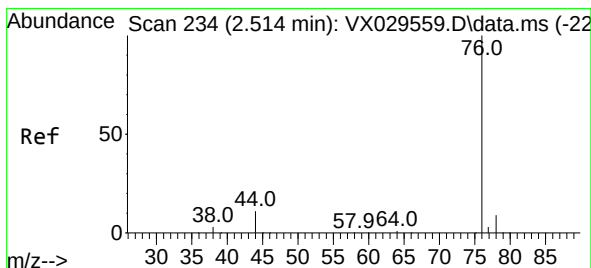
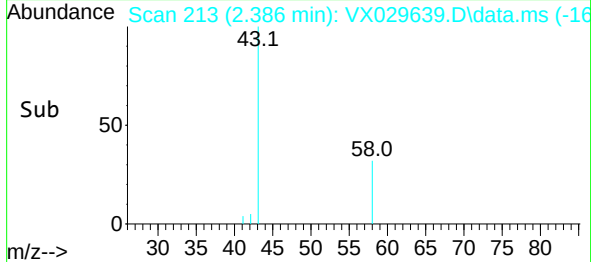
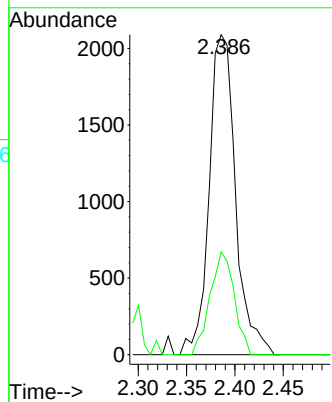
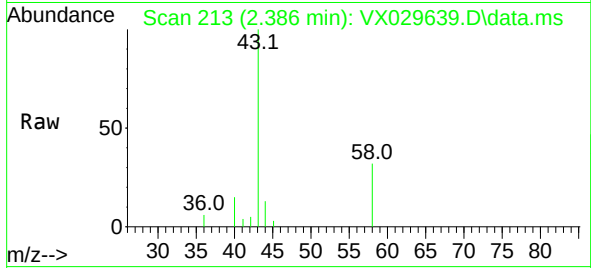




#16
Acetone
Concen: 2.828 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

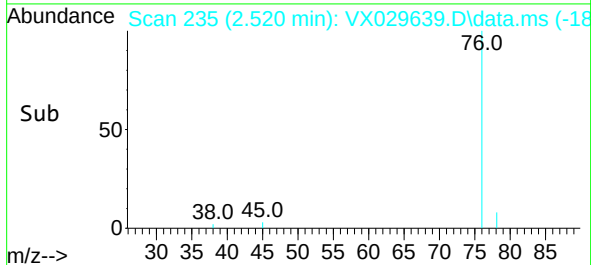
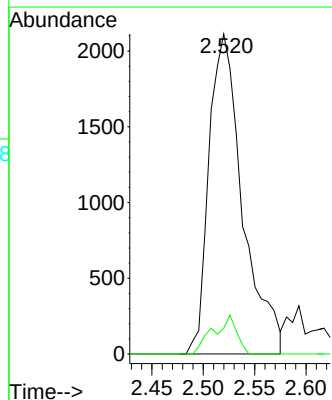
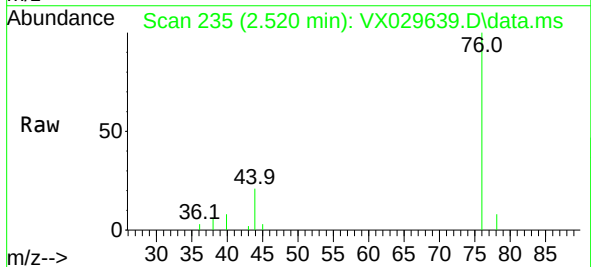
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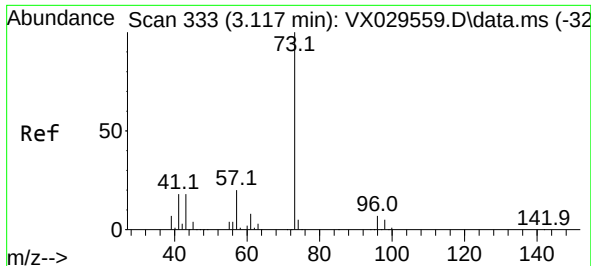
Tgt Ion: 43 Resp: 3969
Ion Ratio Lower Upper
43 100
58 32.2 28.8 43.2



#17
Carbon Disulfide
Concen: 0.689 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion: 76 Resp: 4812
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8

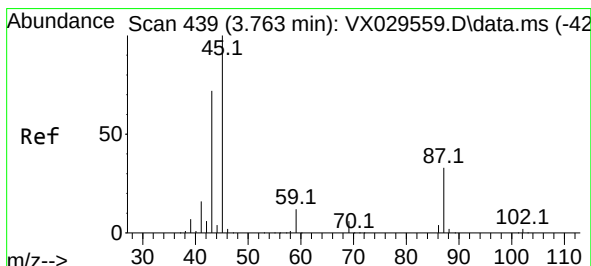
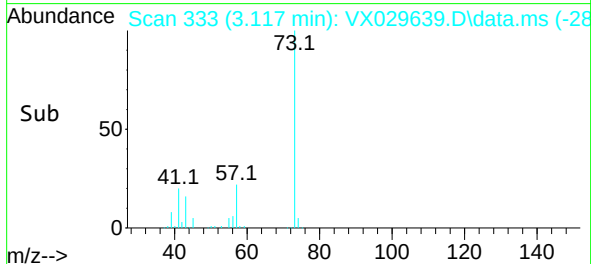
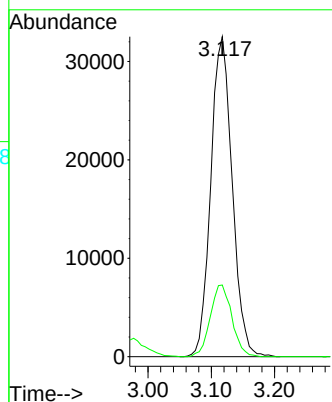
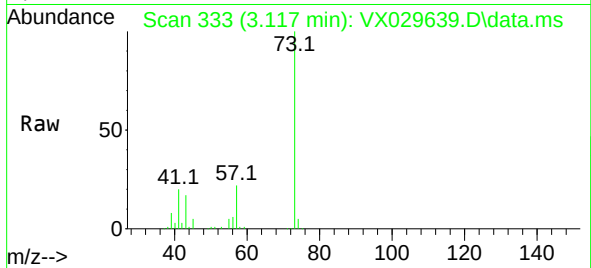




#19
Methyl tert-butyl Ether
Concen: 8.184 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

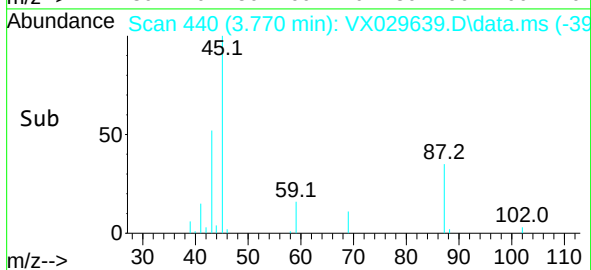
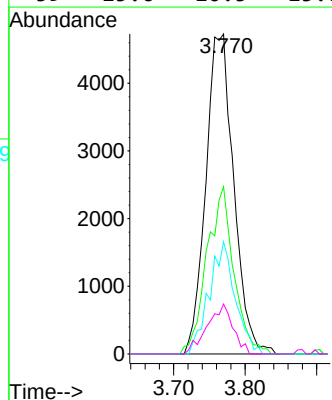
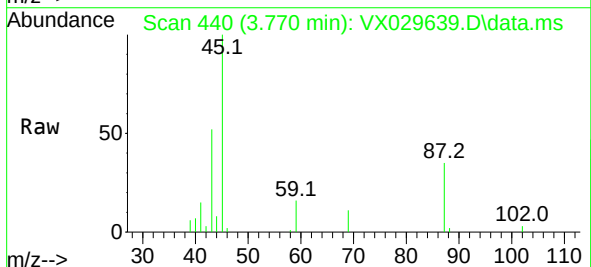
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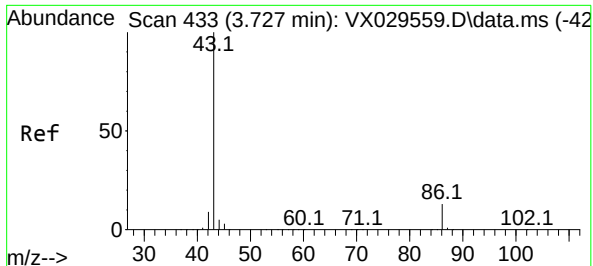
Tgt Ion: 73 Resp: 76553
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2



#22
Diisopropyl ether
Concen: 1.492 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.007 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion: 45 Resp: 12839
Ion Ratio Lower Upper
45 100
43 52.2 50.8 76.2
87 35.0 26.6 39.8
59 15.6 10.5 15.7

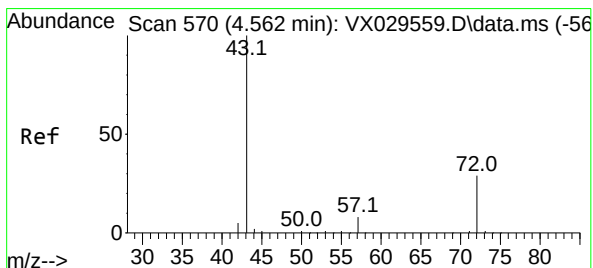
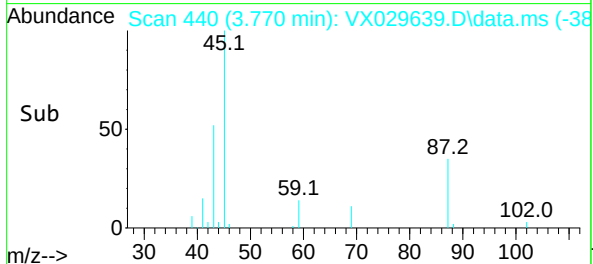
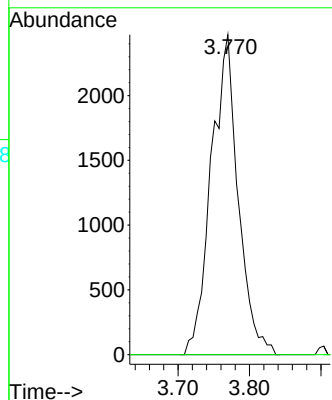
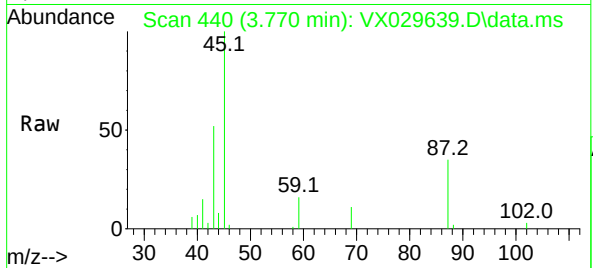




#23
 Vinyl Acetate
 Concen: 0.901 ug/l
 RT: 3.770 min Scan# 44
 Delta R.T. 0.043 min
 Lab File: VX029639.D
 Acq: 21 Jun 2022 04:36

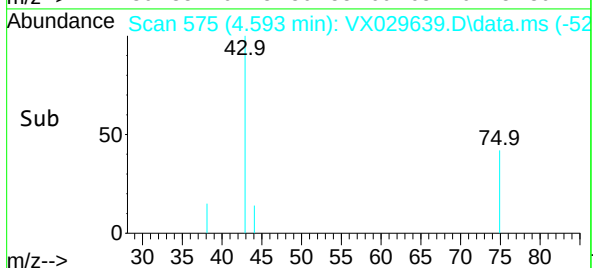
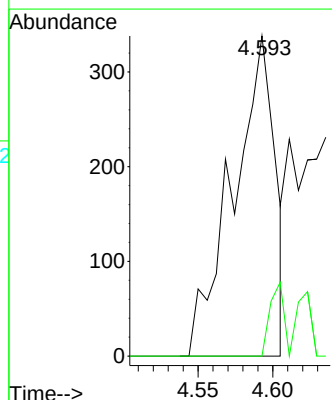
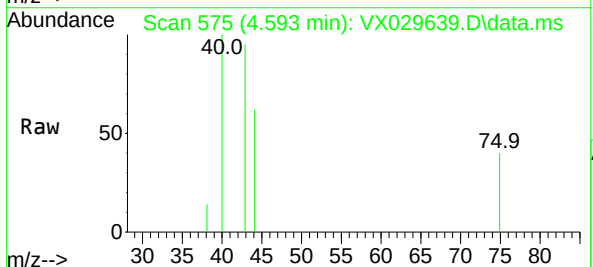
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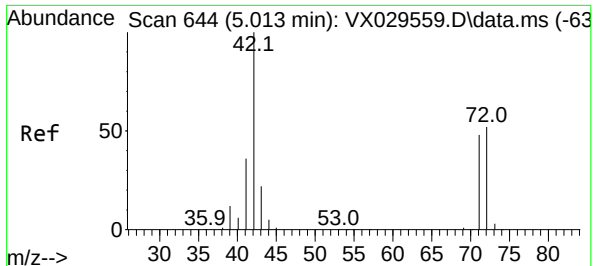
Tgt Ion: 43 Resp: 6474
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 0.298 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.031 min
 Lab File: VX029639.D
 Acq: 21 Jun 2022 04:36

Tgt Ion: 43 Resp: 660
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

MW-47

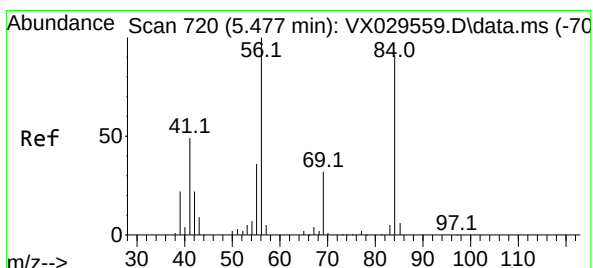
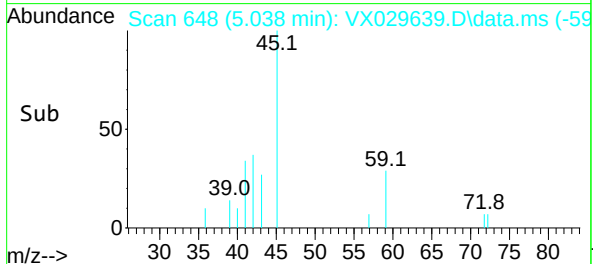
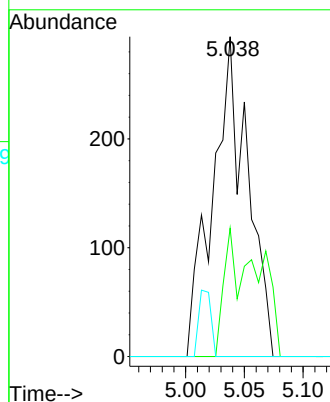
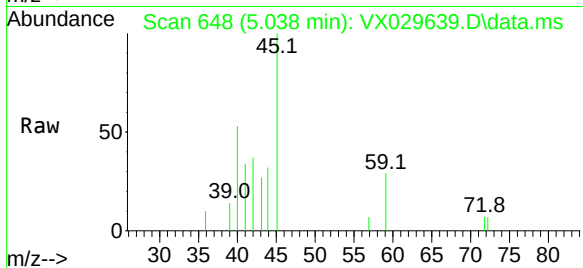
Tgt Ion: 42 Resp: 607

Ion Ratio Lower Upper

42 100

72 14.2 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 0.543 ug/l

RT: 5.477 min Scan# 720

Delta R.T. -0.000 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

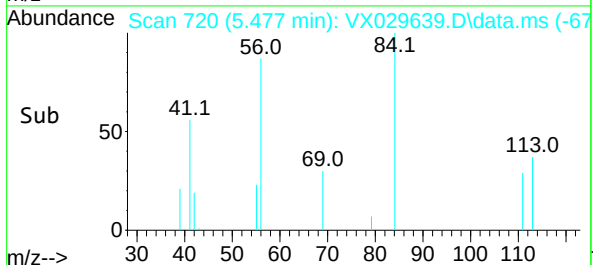
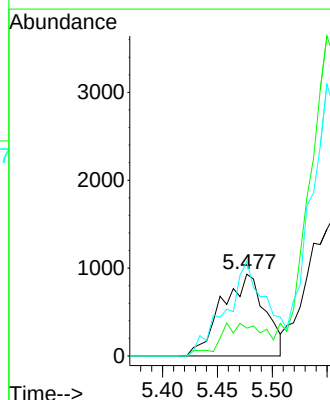
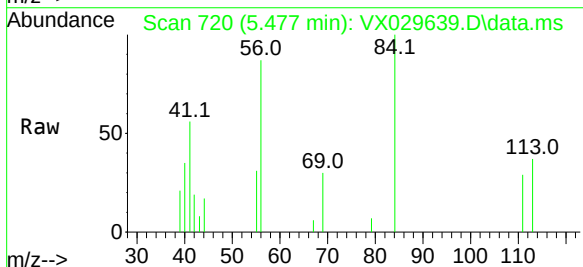
Tgt Ion: 56 Resp: 2565

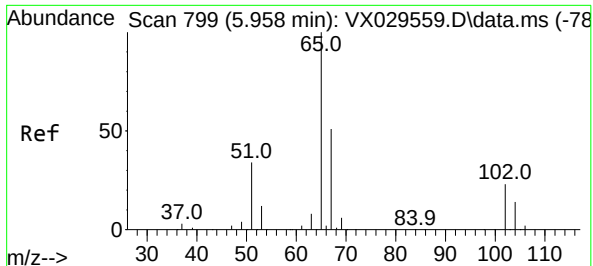
Ion Ratio Lower Upper

56 100

69 34.2 26.7 40.1

84 115.5 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 43.583 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

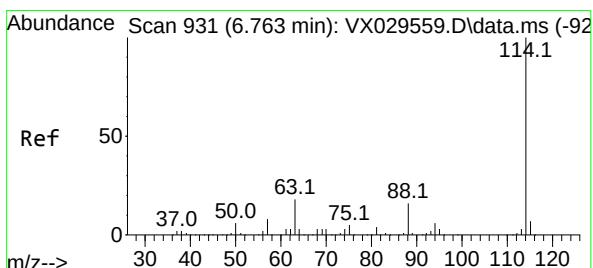
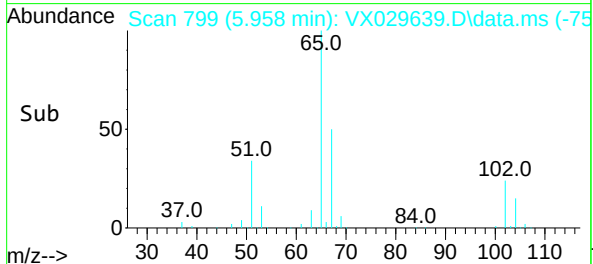
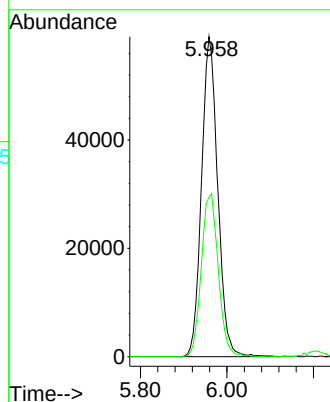
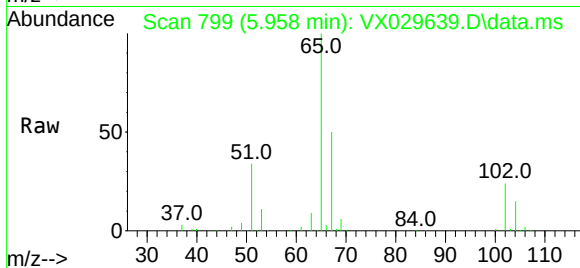
MW-47

Tgt Ion: 65 Resp: 153439

Ion Ratio Lower Upper

65 100

67 53.3 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: VX029639.D

Acq: 21 Jun 2022 04:36

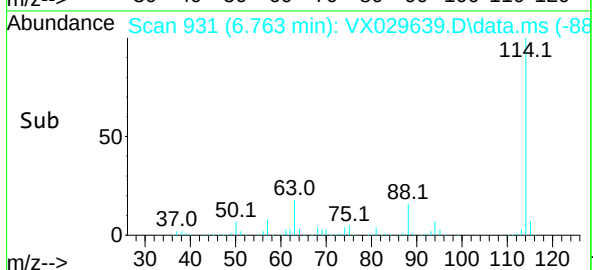
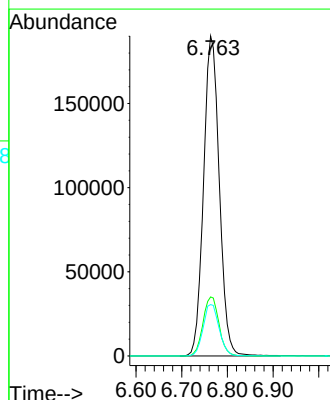
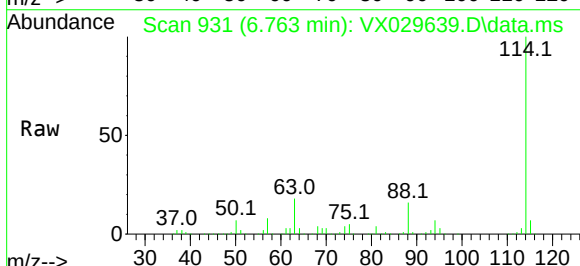
Tgt Ion: 114 Resp: 454923

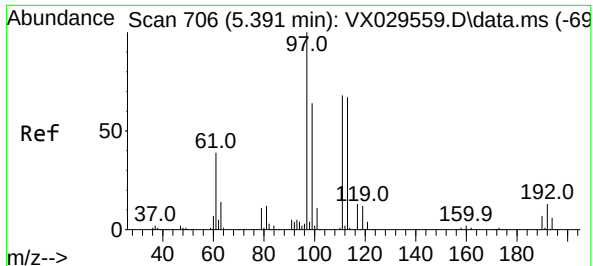
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.181 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

MW-47

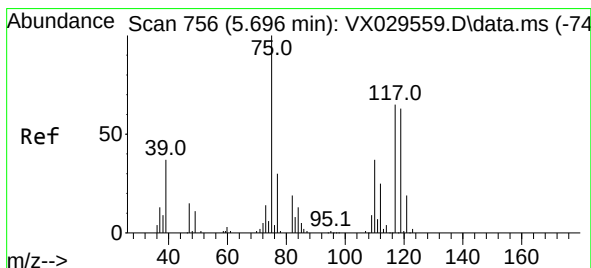
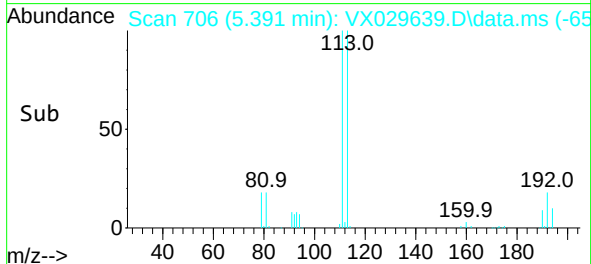
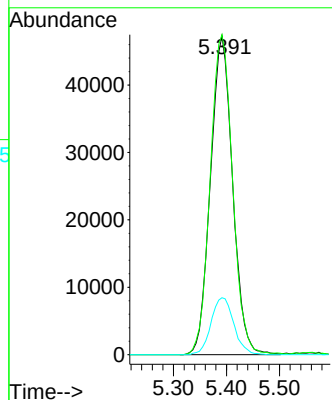
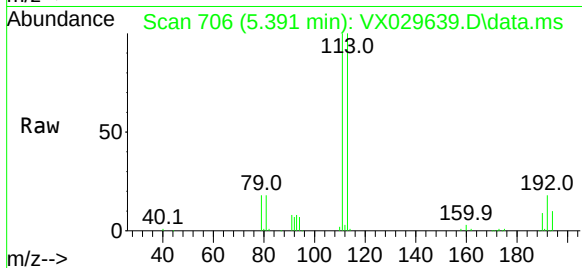
Tgt Ion:113 Resp: 136910

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 18.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.924 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

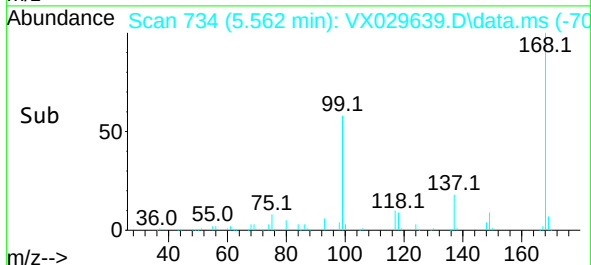
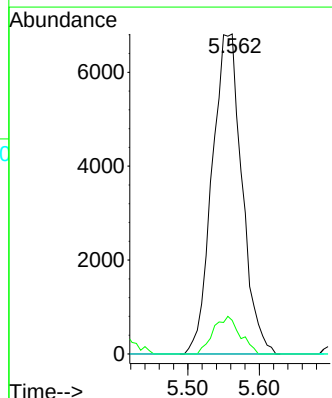
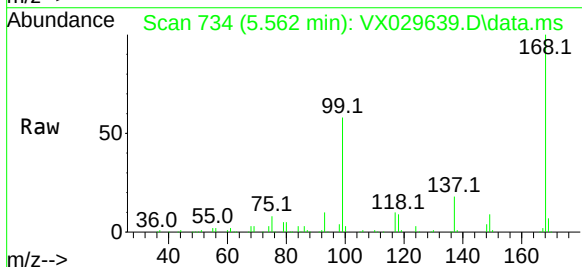
Tgt Ion: 75 Resp: 19759

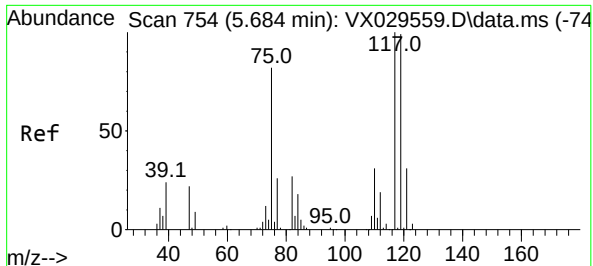
Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

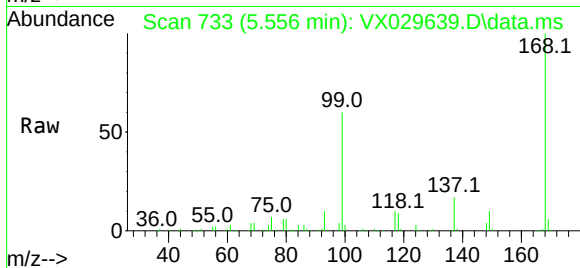
77 0.0 24.8 37.2#



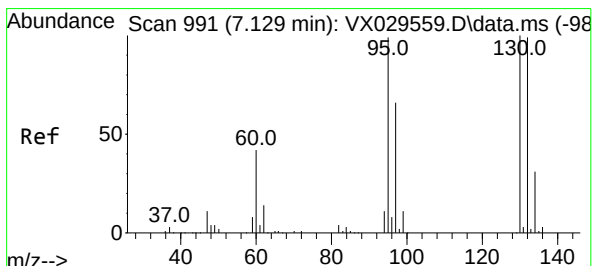
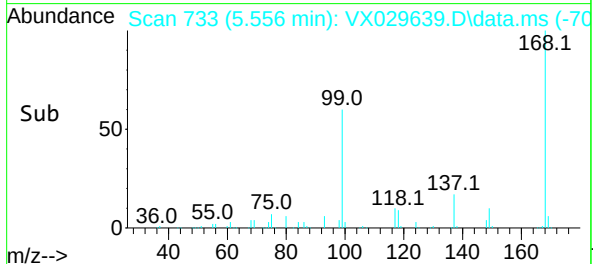
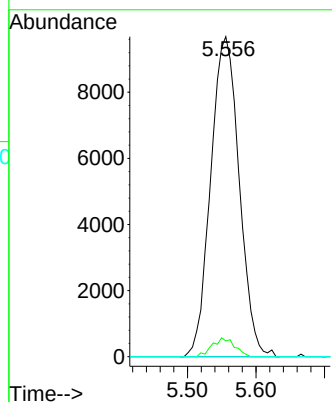


#38
Carbon Tetrachloride
Concen: 7.087 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
MW-47

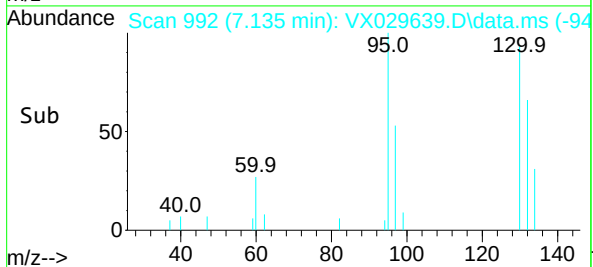
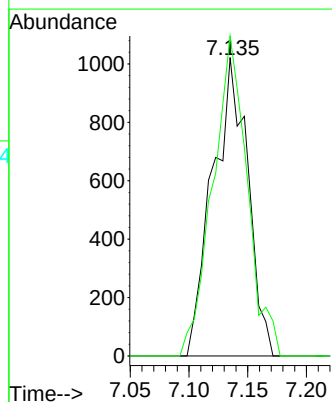
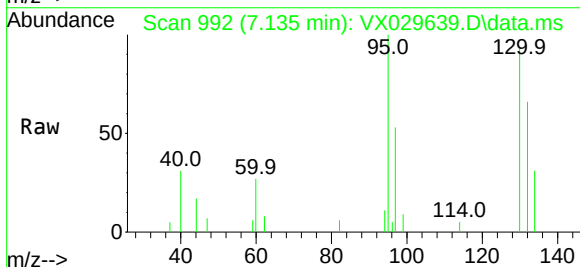


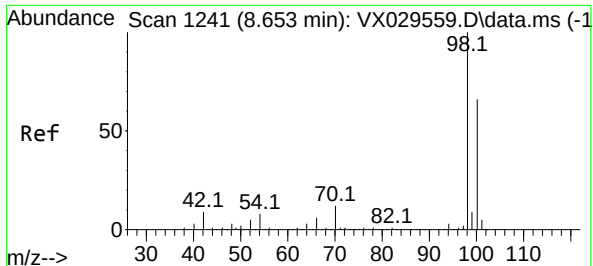
Tgt Ion:117 Resp: 27963
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion:130 Resp: 2127
Ion Ratio Lower Upper
130 100
95 107.2 0.0 188.8

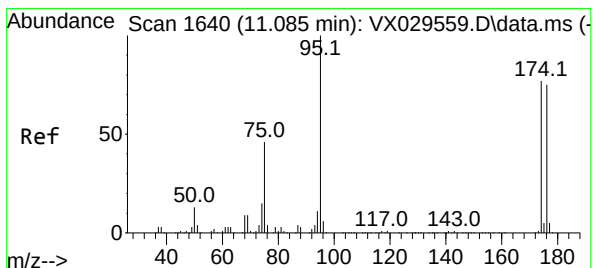
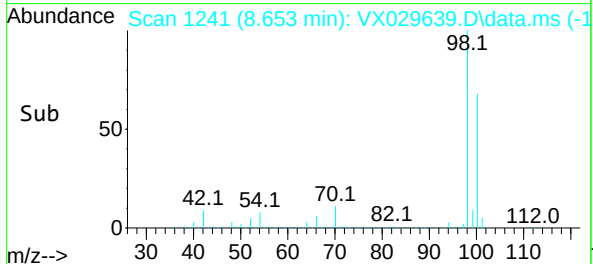
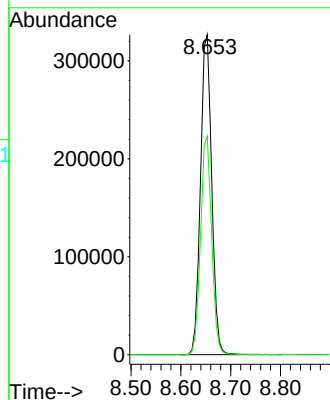
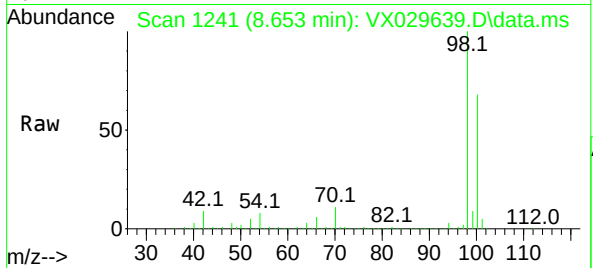




#50
Toluene-d8
Concen: 47.168 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

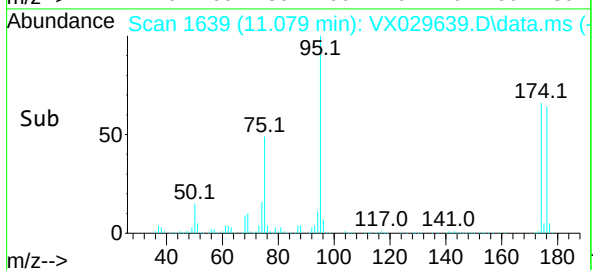
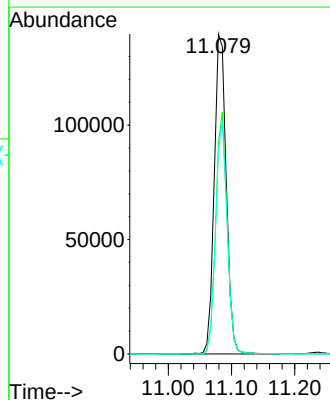
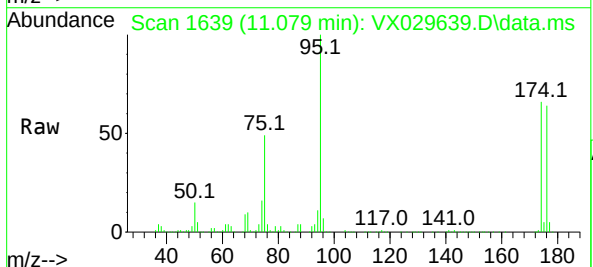
Instrument :
MSVOA_X
ClientSampleId :
MW-47

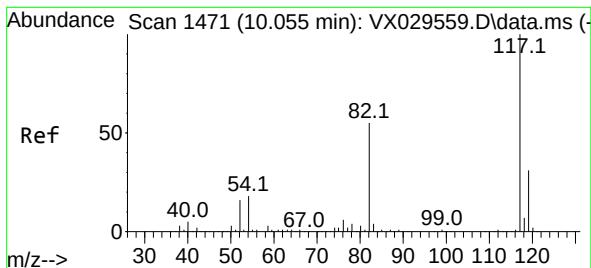
Tgt Ion: 98 Resp: 510848
Ion Ratio Lower Upper
98 100
100 67.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion: 95 Resp: 184388
Ion Ratio Lower Upper
95 100
174 72.0 0.0 163.0
176 69.7 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: VX029639.D

Acq: 21 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

MW-47

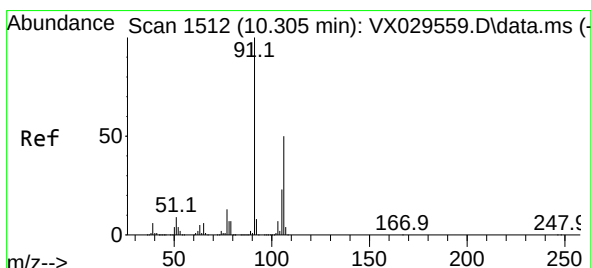
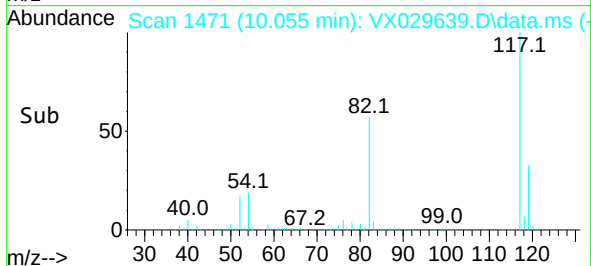
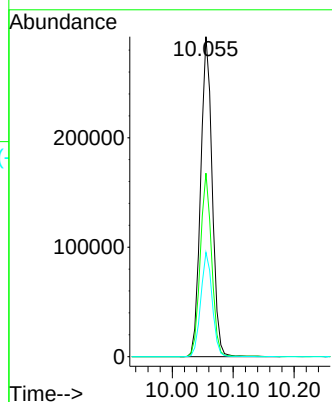
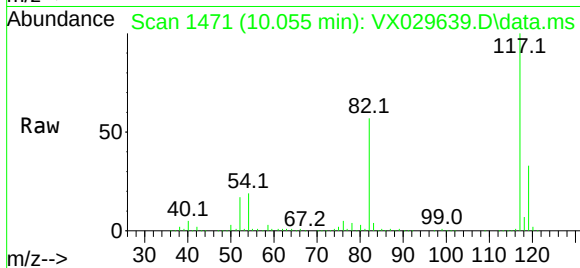
Tgt Ion:117 Resp: 385325

Ion Ratio Lower Upper

117 100

82 57.4 41.8 62.8

119 32.6 24.8 37.2



#68

m/p-Xylenes

Concen: 0.348 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX029639.D

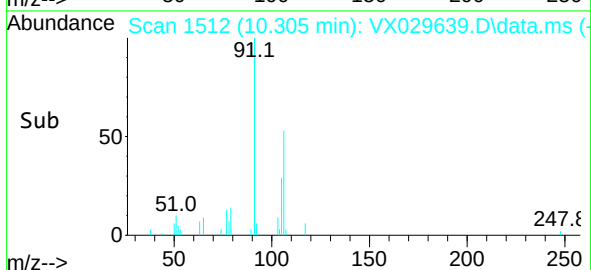
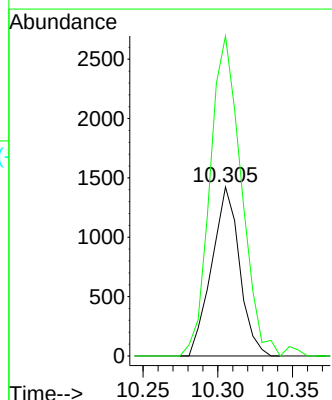
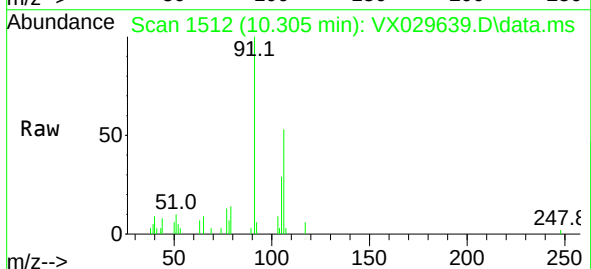
Acq: 21 Jun 2022 04:36

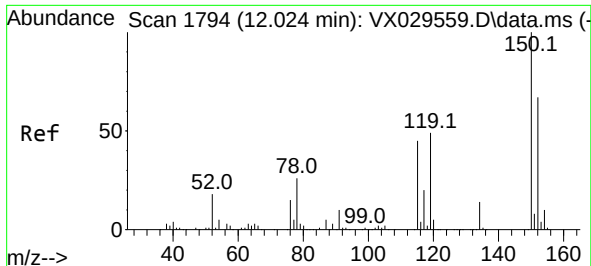
Tgt Ion:106 Resp: 1844

Ion Ratio Lower Upper

106 100

91 214.4 160.4 240.6

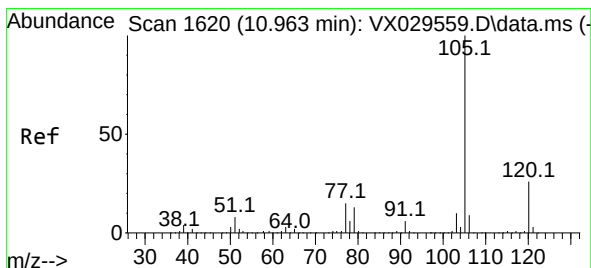
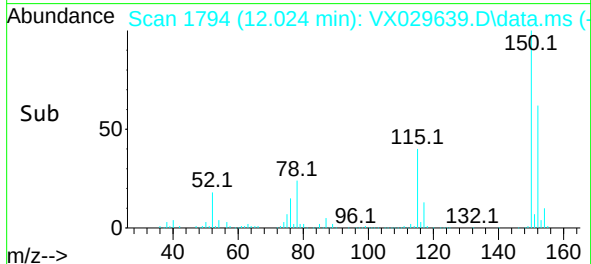
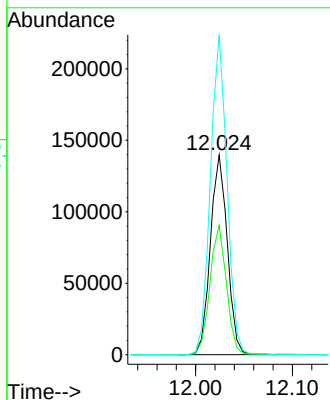
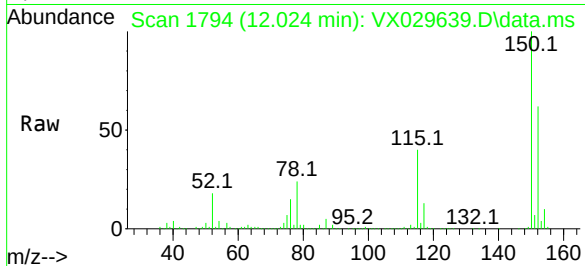




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

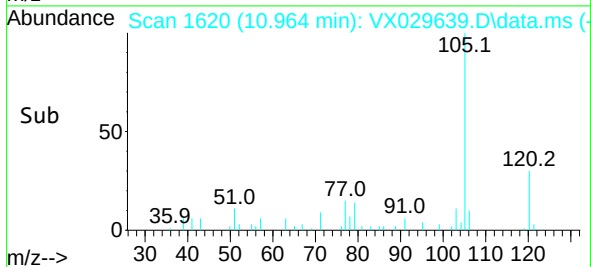
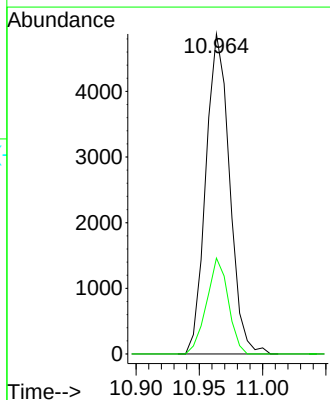
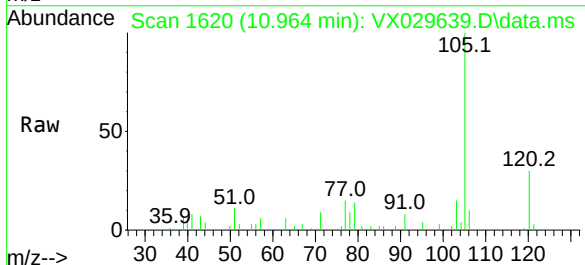
Instrument :
MSVOA_X
ClientSampleId :
MW-47

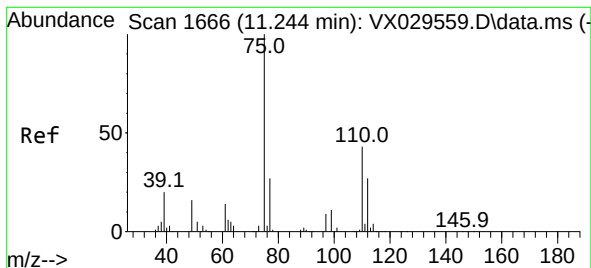
Tgt Ion:152 Resp: 169914
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 157.3 0.0 338.2



#73
Isopropylbenzene
Concen: 0.499 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Tgt Ion:105 Resp: 6355
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5





#76

1,2,3-Trichloropropane

Concen: 23.790 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX029639.D

Acq: 21 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

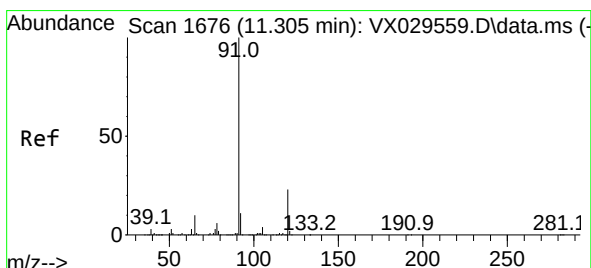
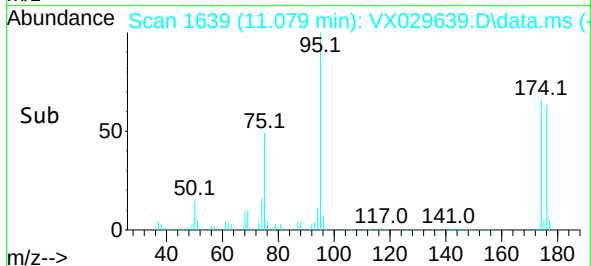
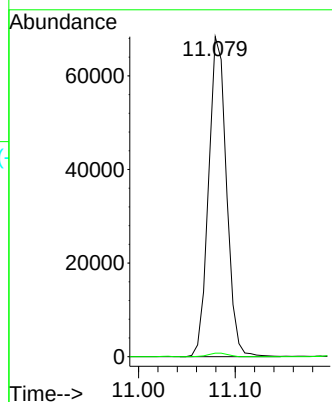
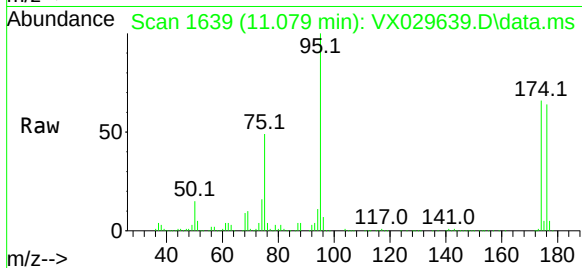
MW-47

Tgt Ion: 75 Resp: 88061

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#78

n-propylbenzene

Concen: 0.220 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX029639.D

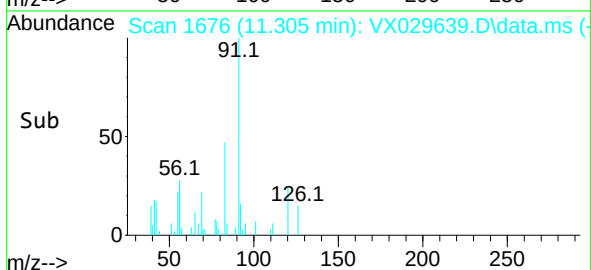
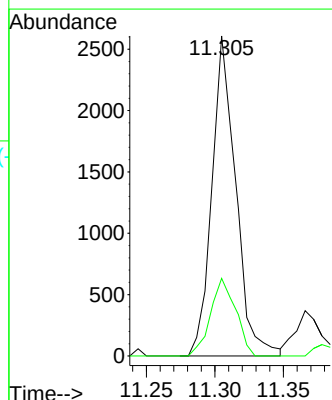
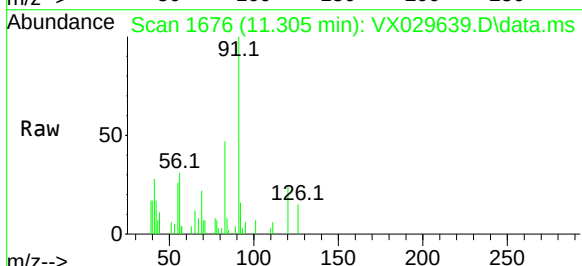
Acq: 21 Jun 2022 04:36

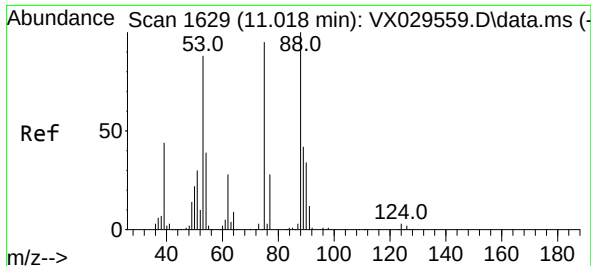
Tgt Ion: 91 Resp: 3163

Ion Ratio Lower Upper

91 100

120 25.5 11.6 34.8

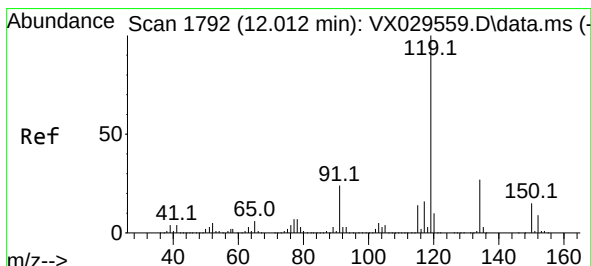
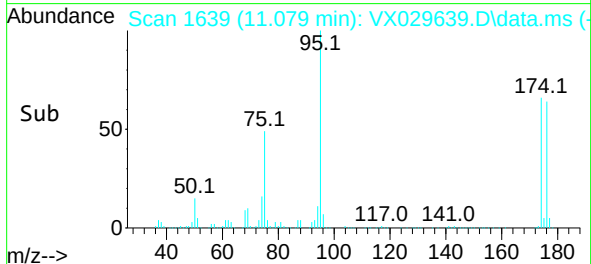
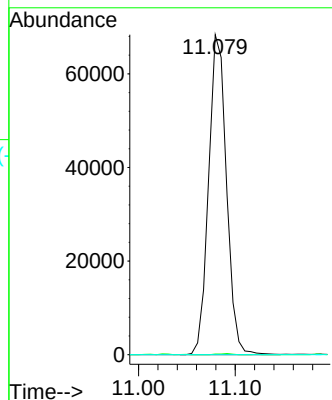
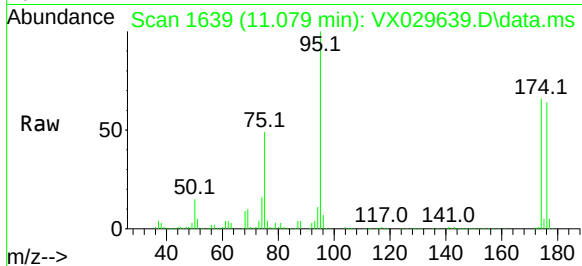




#81
trans-1,4-Dichloro-2-butene
Concen: 79.144 ug/l
RT: 11.079 min Scan# 1111
Delta R.T. 0.061 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

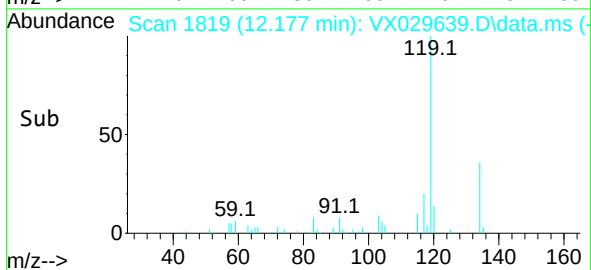
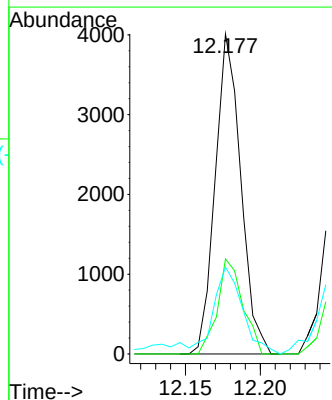
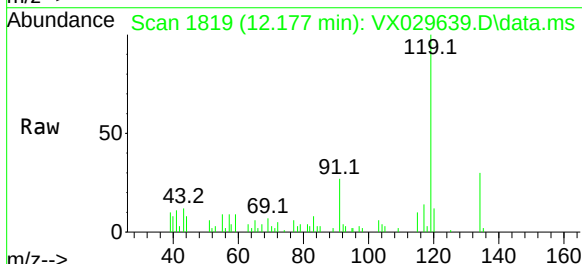
Instrument :
MSVOA_X
ClientSampleId :
MW-47

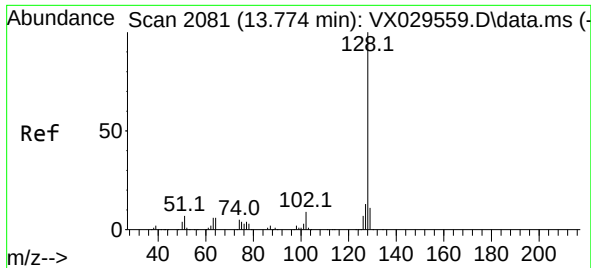
Tgt Ion: 75 Resp: 88061
Ion Ratio Lower Upper
75 100
53 0.3 69.0 103.4#
89 0.0 37.0 55.6#



#86
p-Isopropyltoluene
Concen: 0.439 ug/l
RT: 12.177 min Scan# 1819
Delta R.T. 0.165 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

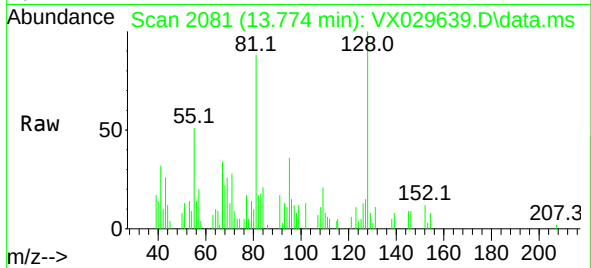
Tgt Ion: 119 Resp: 4763
Ion Ratio Lower Upper
119 100
134 29.3 13.0 39.0
91 30.4 11.3 33.9





#95
Naphthalene
Concen: 0.288 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX029639.D
Acq: 21 Jun 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
MW-47



Tgt Ion:	128	Resp:	3427
Ion	Ratio	Lower	Upper
128	100		
127	20.4	10.2	15.4#
129	16.0	8.7	13.1#

