

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029601.D
 Acq On : 19 Jun 2022 04:13
 Operator : JC/MD
 Sample : N3290-10 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-21

Quant Time: Jun 20 01:40:40 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)

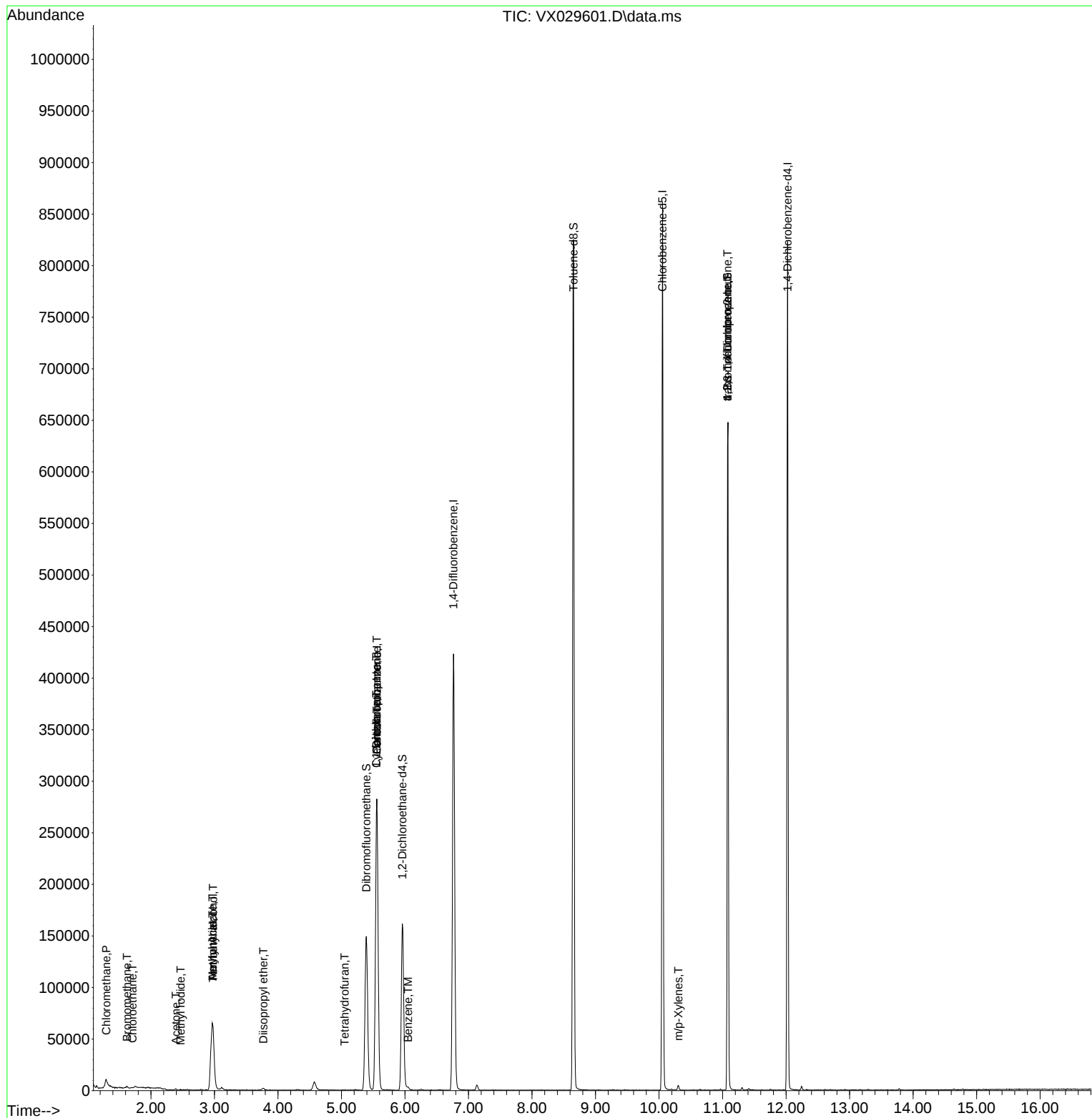
Internal Standards						
1) Pentafluorobenzene	5.556	168	269598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	393998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154403	43.265	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.540%
35) Dibromofluoromethane	5.391	113	137409	46.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.980%
50) Toluene-d8	8.653	98	511664	47.384	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.760%
62) 4-Bromofluorobenzene	11.079	95	187317	45.999	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1229	0.349	ug/l	90
5) Bromomethane	1.624	94	616	0.373	ug/l #	80
6) Chloroethane	1.709	64	1310	1.796	ug/l #	43
10) Methyl Iodide	2.465	142	599	3.192	ug/l #	86
11) Tert butyl alcohol	2.977	59	108611	135.415	ug/l	95
15) Acrylonitrile	2.971	53	1291	0.773	ug/l #	27
16) Acetone	2.392	43	1164	0.818	ug/l	99
18) Methyl Acetate	2.971	43	9799	2.605	ug/l #	48
22) Diisopropyl ether	3.770	45	1841	0.211	ug/l #	80
29) Tetrahydrofuran	5.050	42	323	0.216	ug/l #	51
31) Cyclohexane	5.550	56	5092	1.063	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	20222	5.055	ug/l #	50
38) Carbon Tetrachloride	5.556	117	28354	7.207	ug/l #	16
40) Benzene	6.050	78	3171	0.267	ug/l #	83
44) Trichloroethene	7.129	130	2203	Below Cal		97
68) m/p-Xylenes	10.305	106	1108	0.204	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	89418	23.749	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	89418	79.006	ug/l #	15

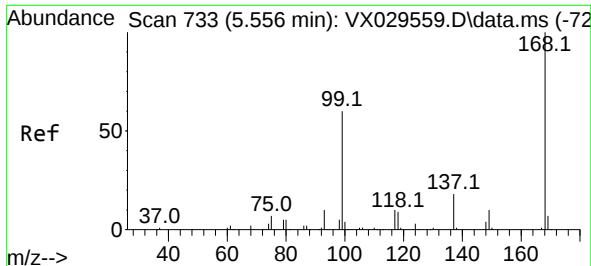
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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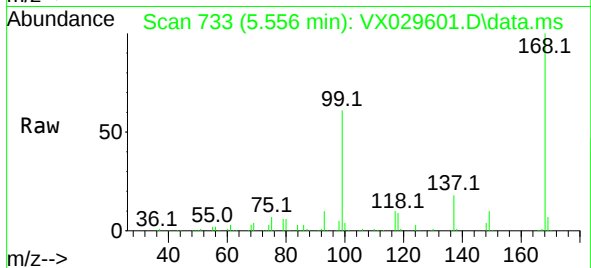
Quant Time: Jun 20 01:40:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration



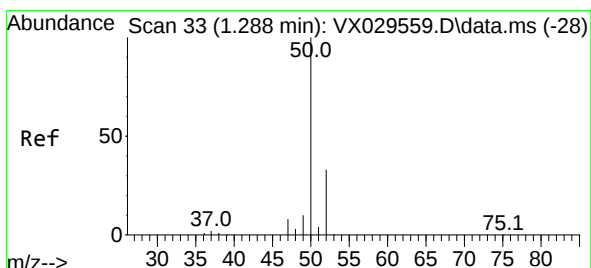
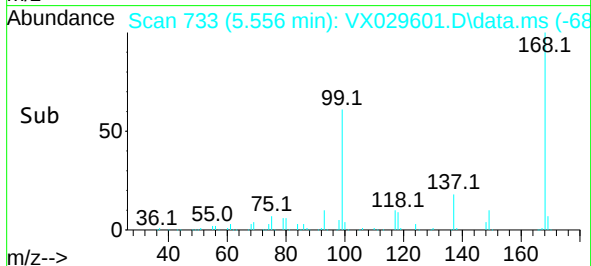
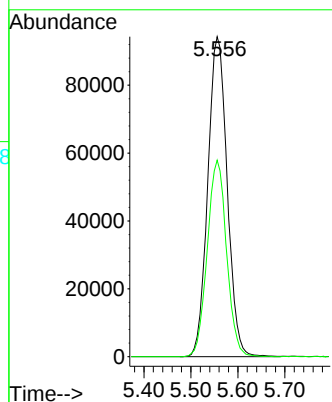


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
MW-21

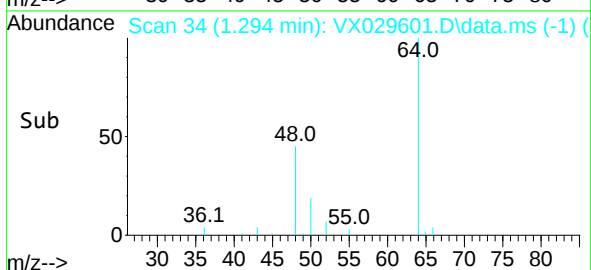
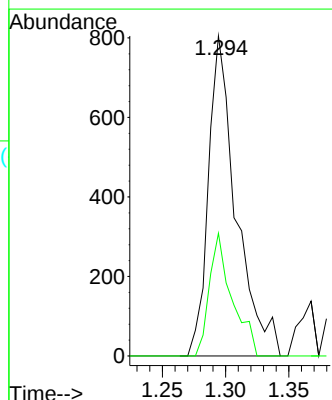
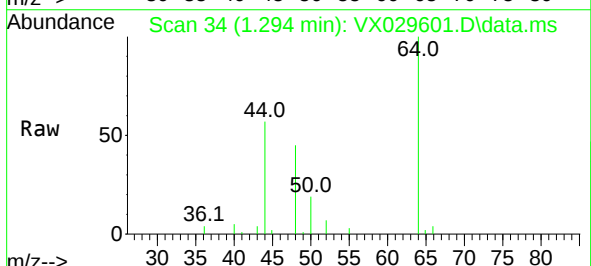


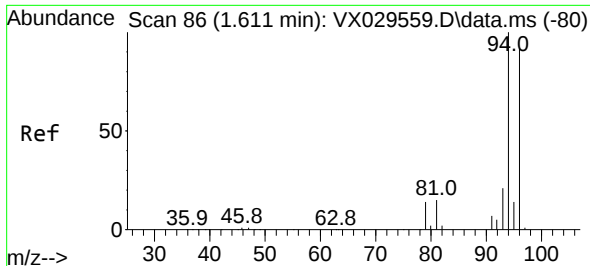
Tgt Ion:168 Resp: 269598
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#3
Chloromethane
Concen: 0.349 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion: 50 Resp: 1229
Ion Ratio Lower Upper
50 100
52 38.4 26.4 39.6

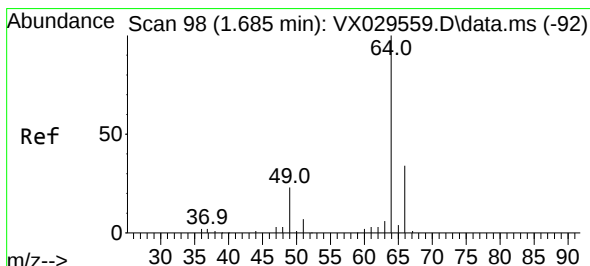
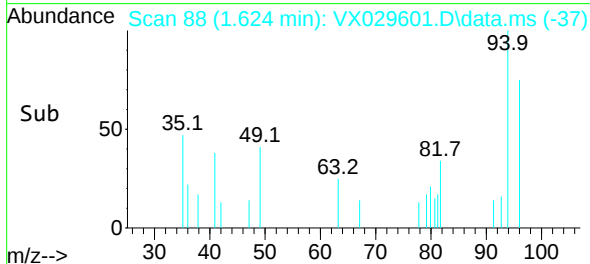
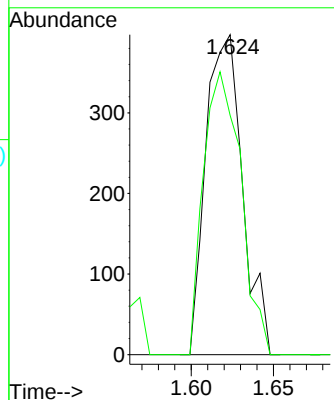
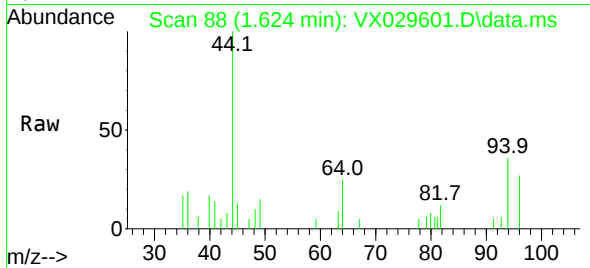




#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

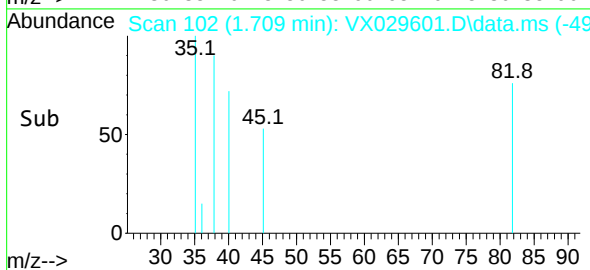
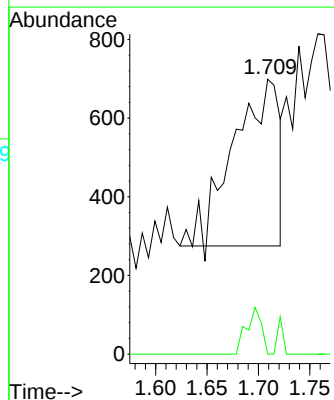
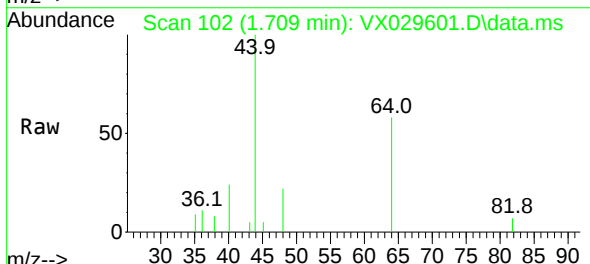
Instrument :
MSVOA_X
ClientSampleId :
MW-21

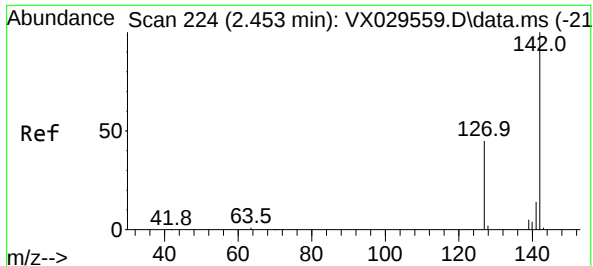
Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 74.8 75.3 112.9#



#6
Chloroethane
Concen: 1.796 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion: 64 Resp: 1310
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

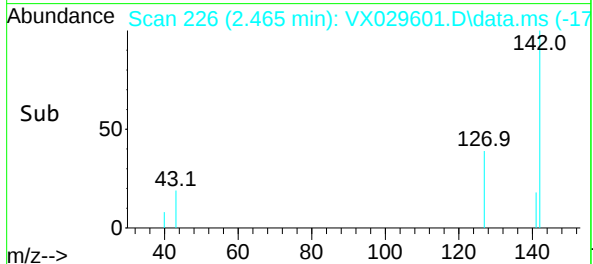
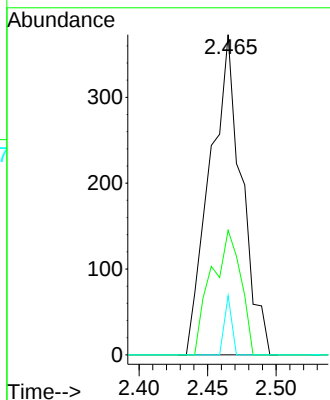
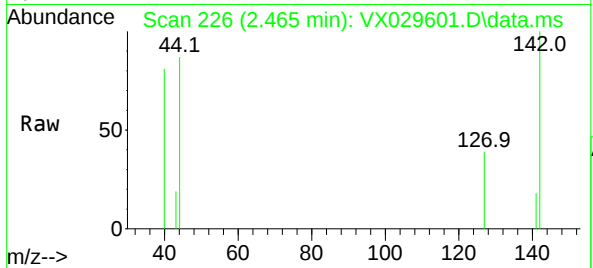




#10
Methyl Iodide
Concen: 3.192 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

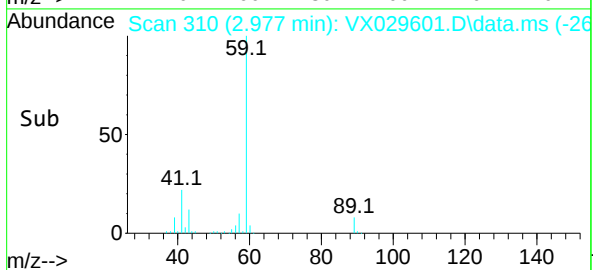
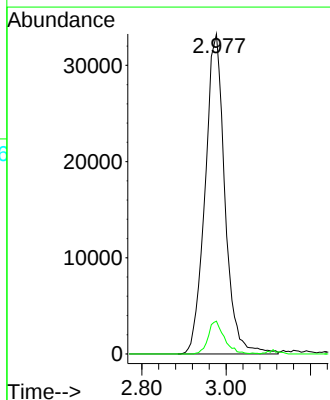
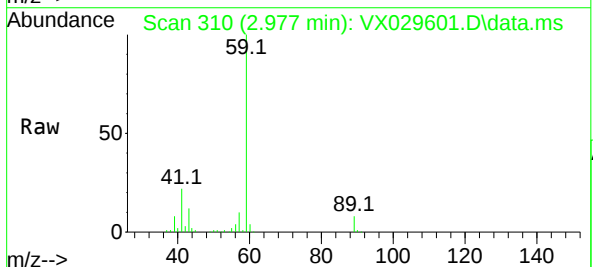
Instrument :
MSVOA_X
ClientSampleId :
MW-21

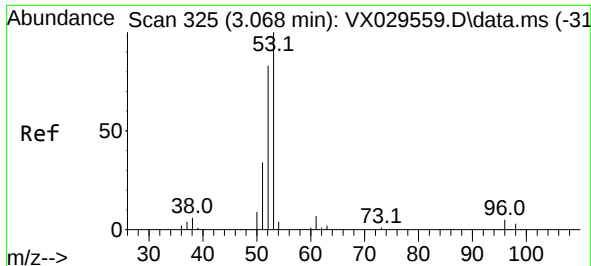
Tgt Ion:142 Resp: 599
Ion Ratio Lower Upper
142 100
127 35.9 33.9 50.9
141 4.2 11.4 17.2#



#11
Tert butyl alcohol
Concen: 135.415 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion: 59 Resp: 108611
Ion Ratio Lower Upper
59 100
57 8.4 8.3 12.5





#15

Acrylonitrile

Concen: 0.773 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.097 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

MW-21

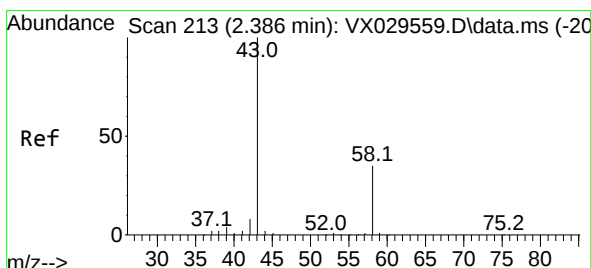
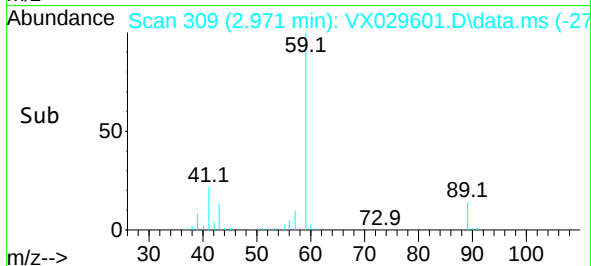
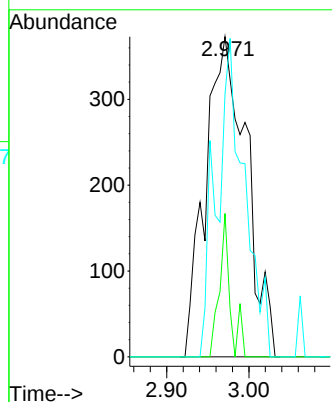
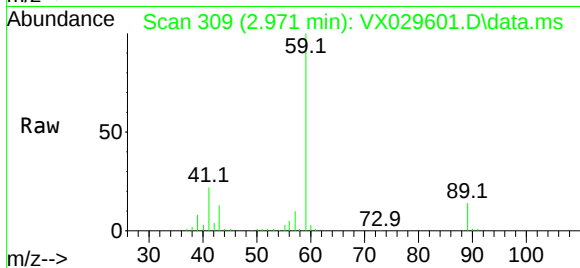
Tgt Ion: 53 Resp: 1291

Ion Ratio Lower Upper

53 100

52 9.9 65.7 98.5#

51 67.5 28.4 42.6#



#16

Acetone

Concen: 0.818 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX029601.D

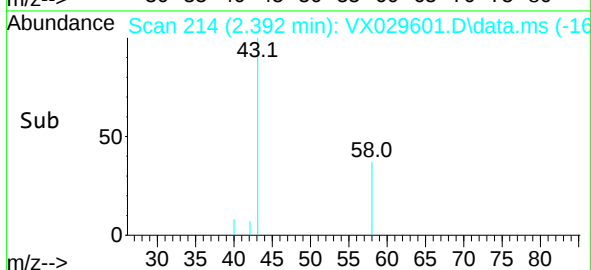
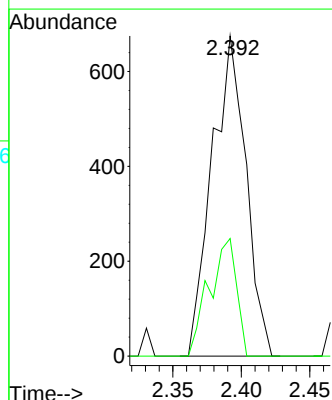
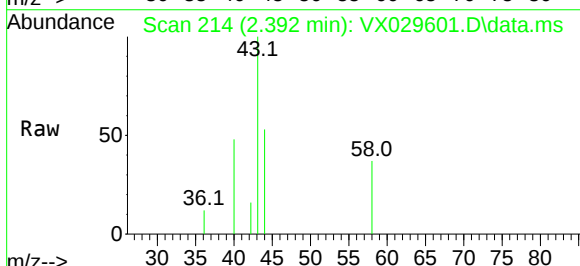
Acq: 19 Jun 2022 04:13

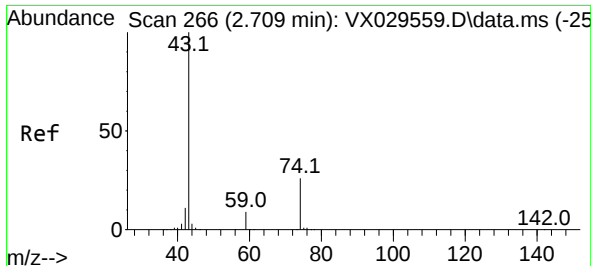
Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

58 36.7 28.8 43.2

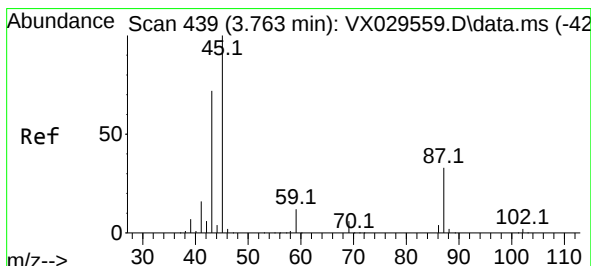
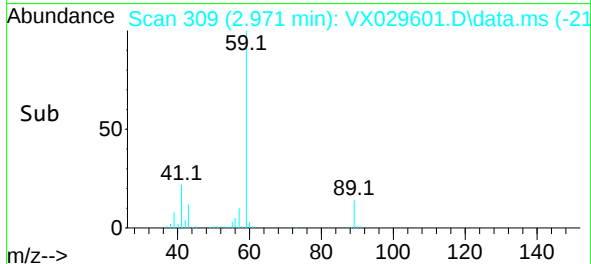
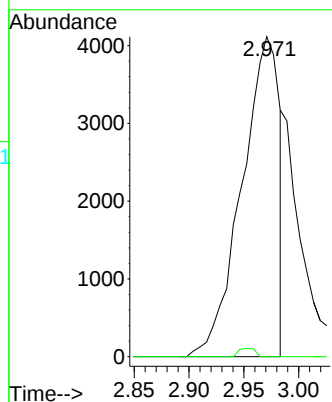
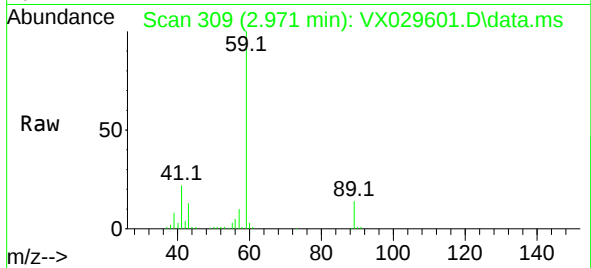




#18
Methyl Acetate
Concen: 2.605 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.262 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

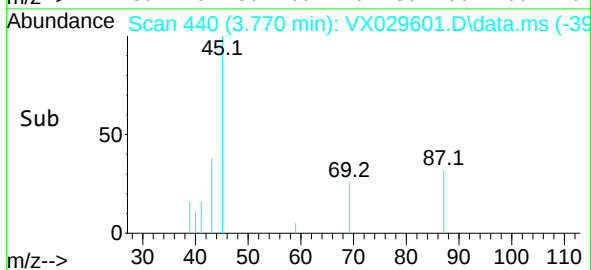
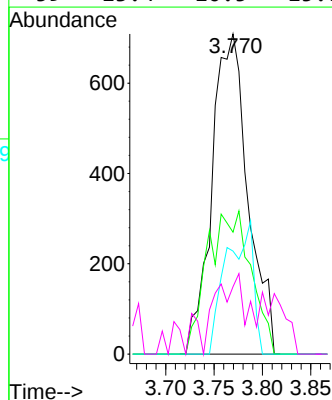
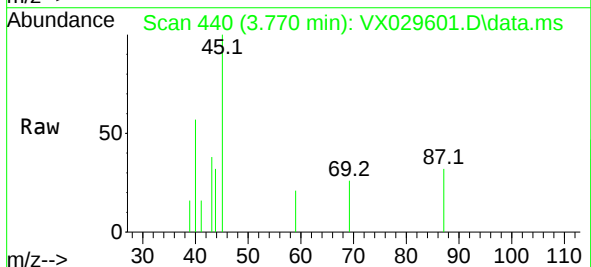
Instrument :
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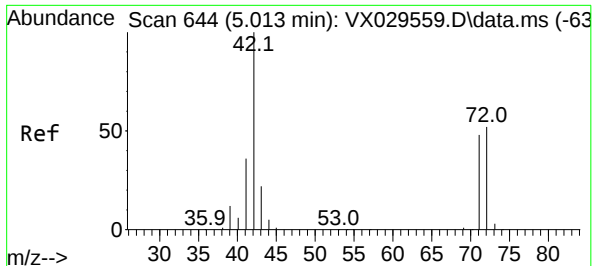
Tgt Ion: 43 Resp: 9799
Ion Ratio Lower Upper
43 100
74 1.1 22.8 34.2#



#22
Diisopropyl ether
Concen: 0.211 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.007 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion: 45 Resp: 1841
Ion Ratio Lower Upper
45 100
43 38.1 50.8 76.2#
87 32.2 26.6 39.8
59 13.4 10.5 15.7





#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

MW-21

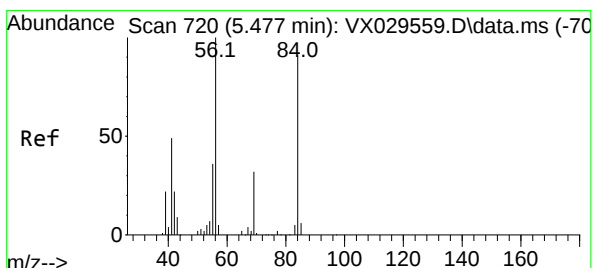
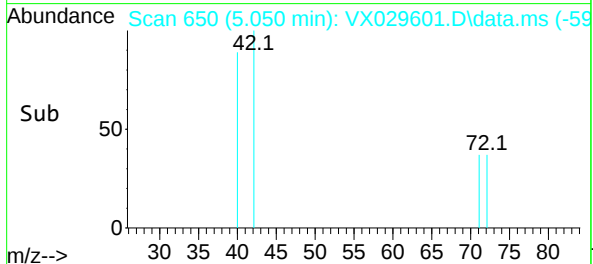
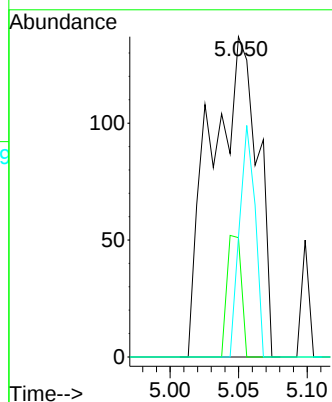
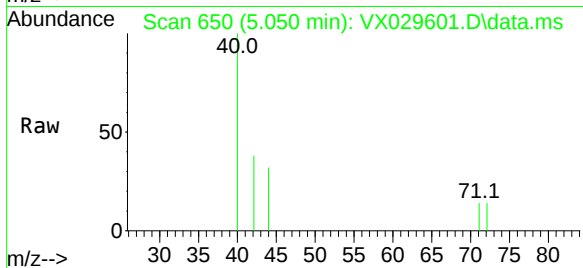
Tgt Ion: 42 Resp: 323

Ion Ratio Lower Upper

42 100

72 11.8 44.1 66.1#

71 24.5 40.5 60.7#



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

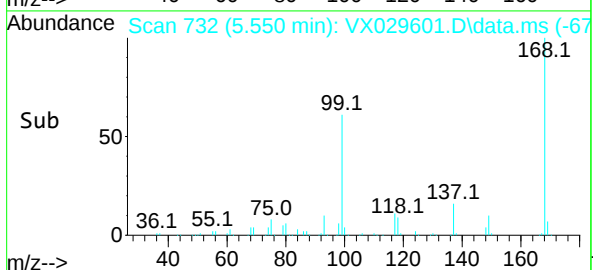
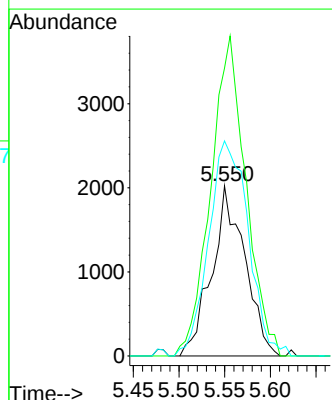
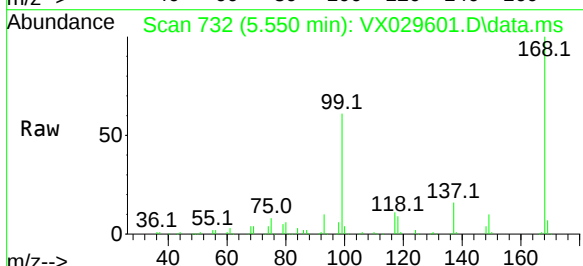
Tgt Ion: 56 Resp: 5092

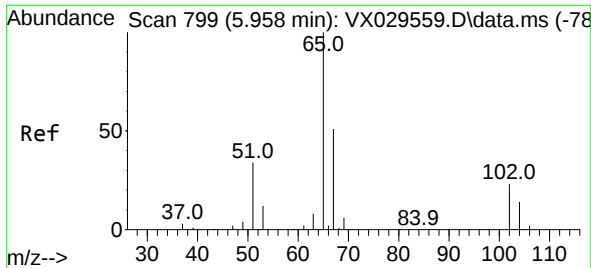
Ion Ratio Lower Upper

56 100

69 169.3 26.7 40.1#

84 122.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.265 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

Instrument :

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ClientSampleId :

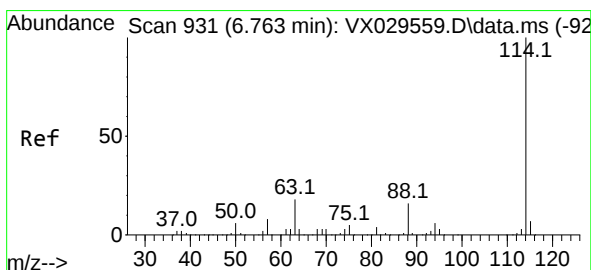
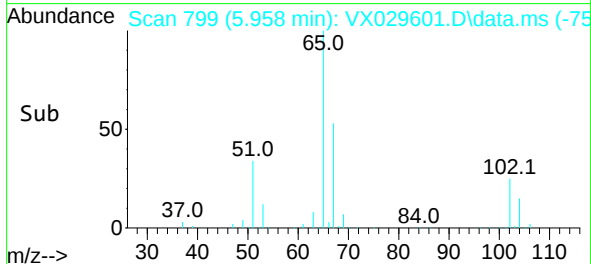
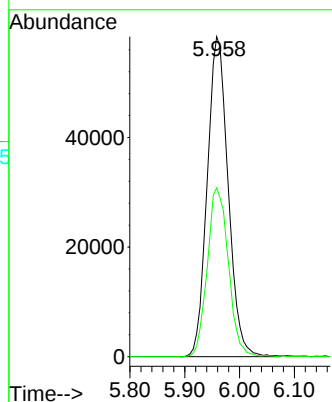
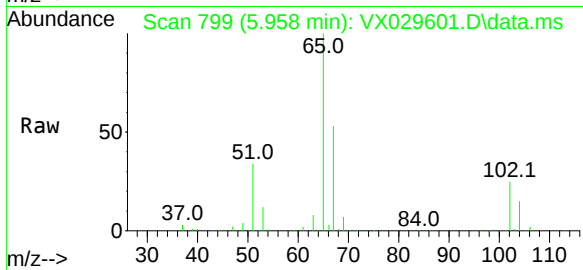
MW-21

Tgt Ion: 65 Resp: 154403

Ion Ratio Lower Upper

65 100

67 53.0 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: VX029601.D

Acq: 19 Jun 2022 04:13

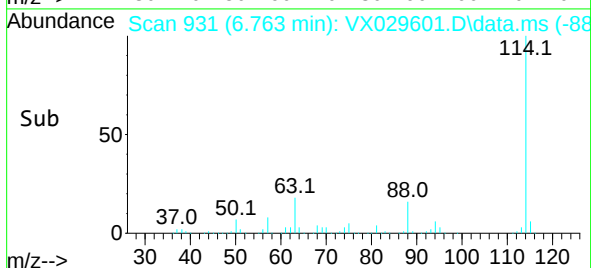
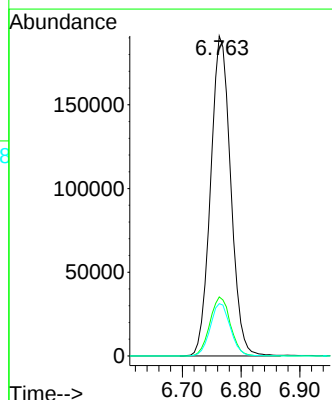
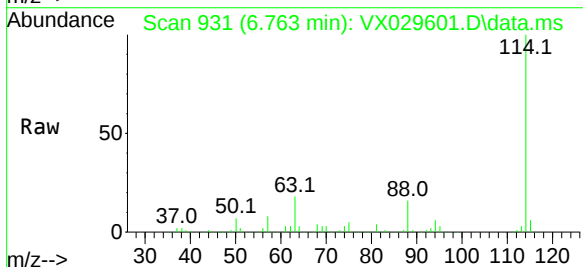
Tgt Ion: 114 Resp: 453571

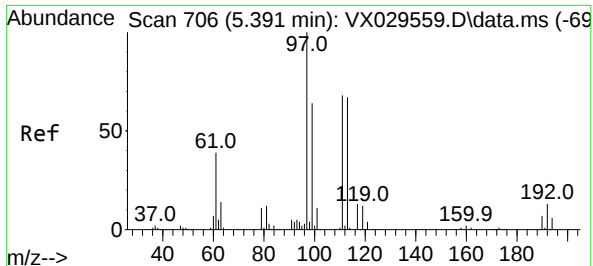
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 16.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.487 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

MW-21

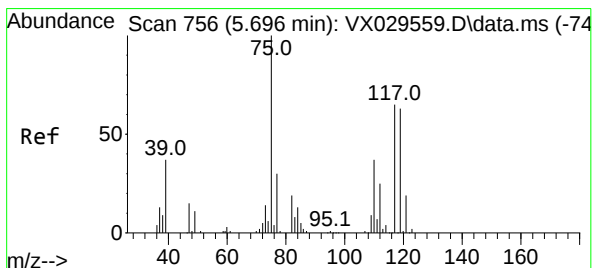
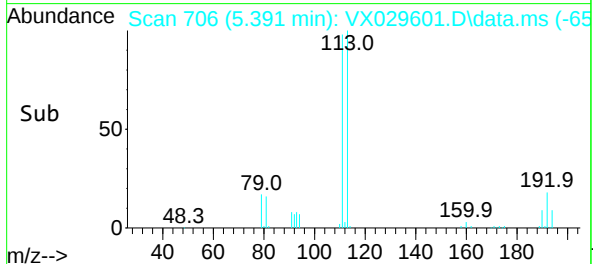
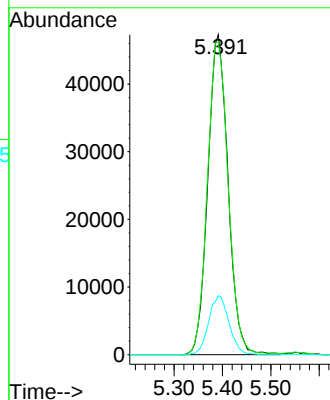
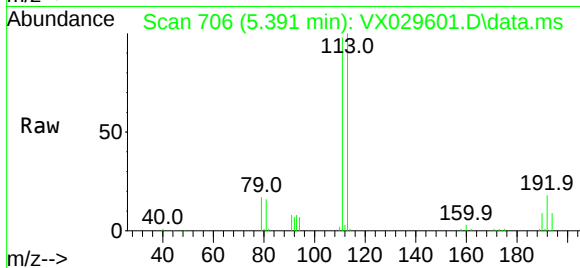
Tgt Ion:113 Resp: 137409

Ion Ratio Lower Upper

113 100

111 100.5 82.8 124.2

192 18.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.055 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

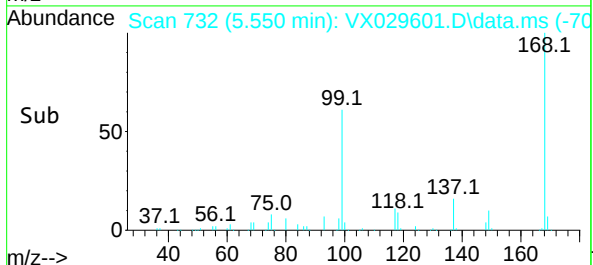
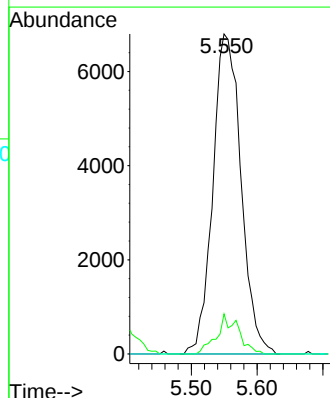
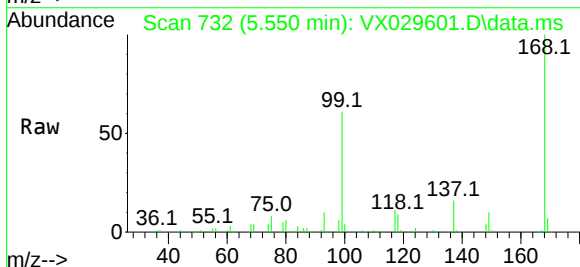
Tgt Ion: 75 Resp: 20222

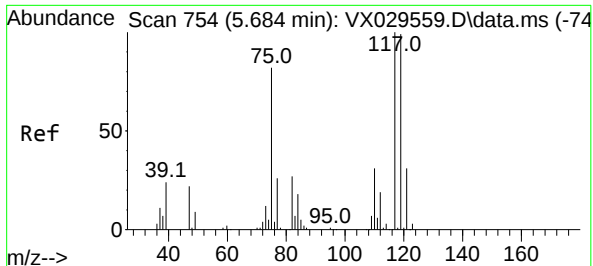
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

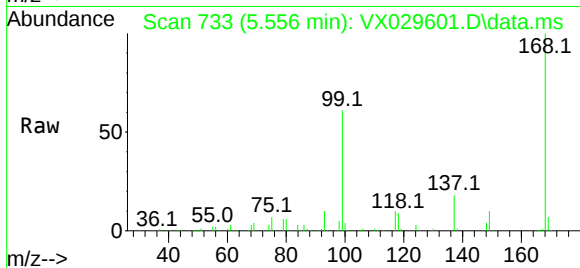
77 0.0 24.8 37.2#



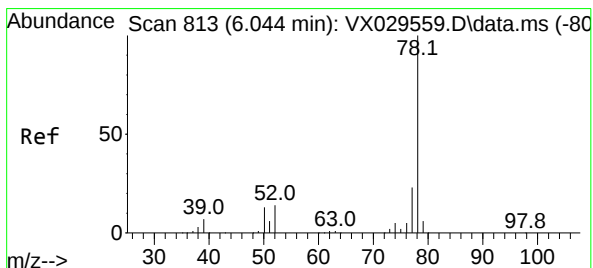
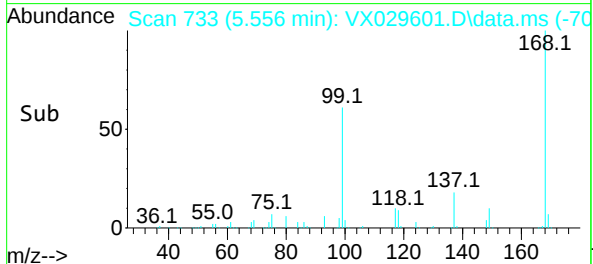
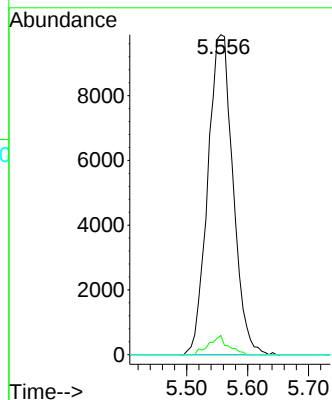


#38
Carbon Tetrachloride
Concen: 7.207 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
MW-21

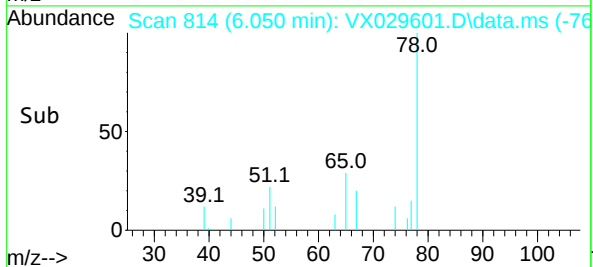
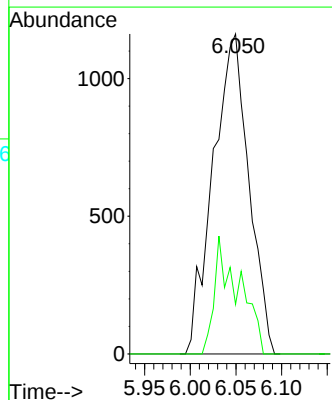
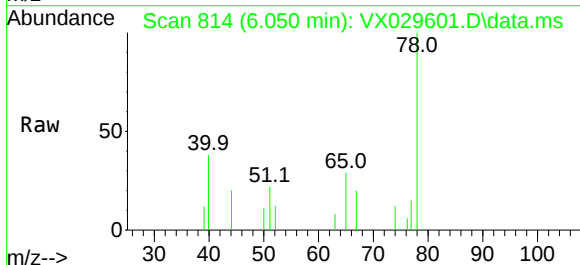


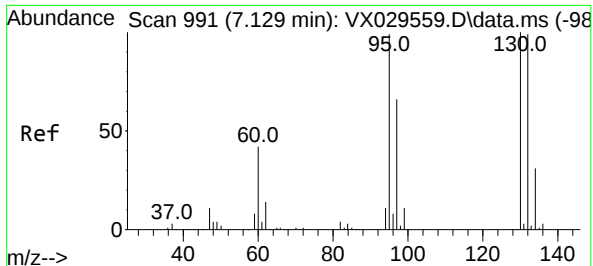
Tgt Ion:117 Resp: 28354
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.267 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion: 78 Resp: 3171
Ion Ratio Lower Upper
78 100
77 15.5 19.3 28.9#

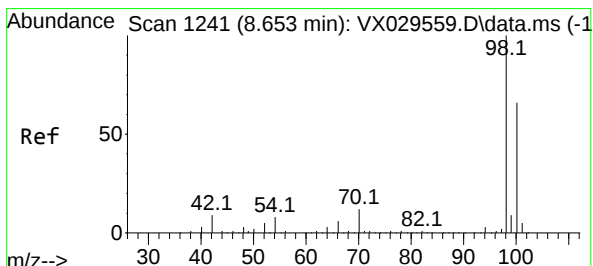
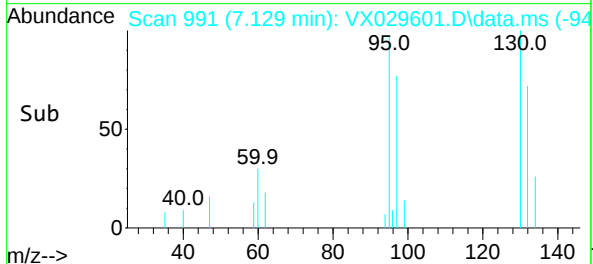
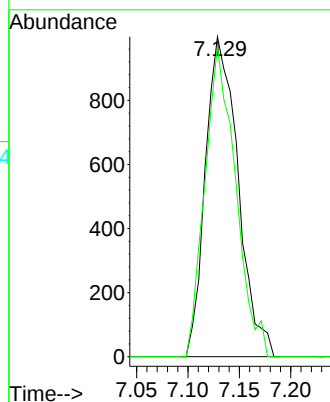
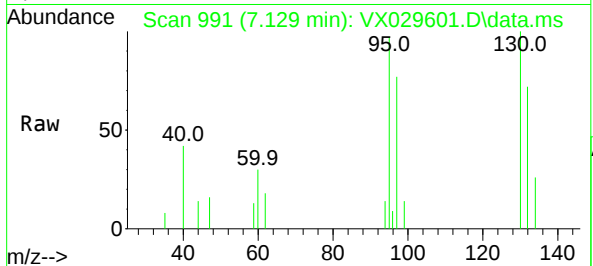




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX029601.D
 Acq: 19 Jun 2022 04:13

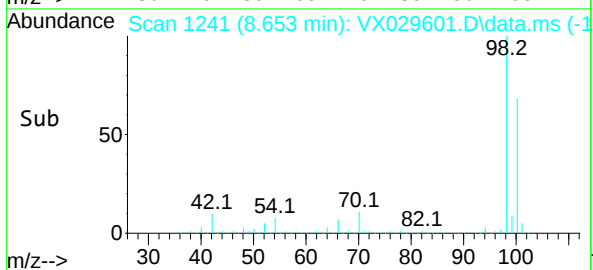
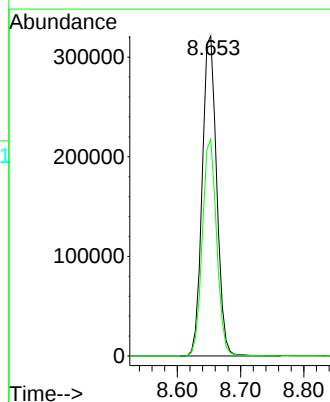
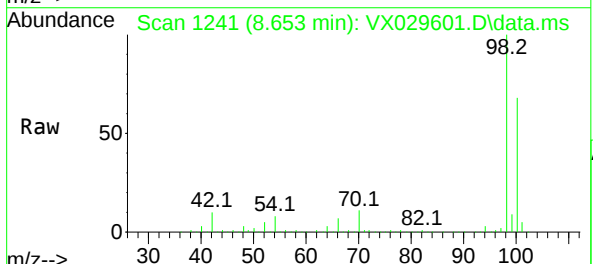
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-21

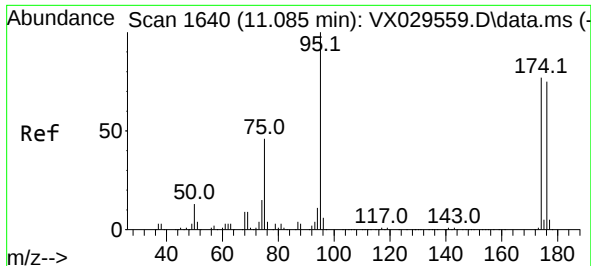
Tgt Ion:130 Resp: 2203
 Ion Ratio Lower Upper
 130 100
 95 97.1 0.0 188.8



#50
 Toluene-d8
 Concen: 47.384 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX029601.D
 Acq: 19 Jun 2022 04:13

Tgt Ion: 98 Resp: 511664
 Ion Ratio Lower Upper
 98 100
 100 67.2 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 45.999 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX029601.D

Acq: 19 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

MW-21

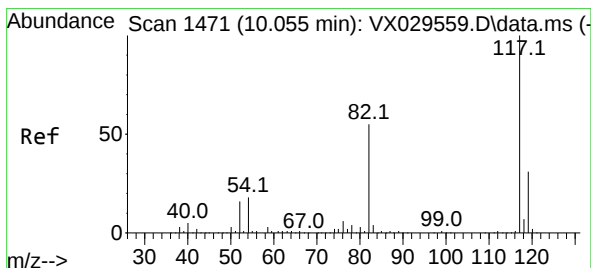
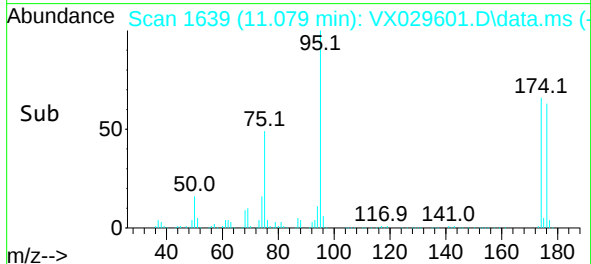
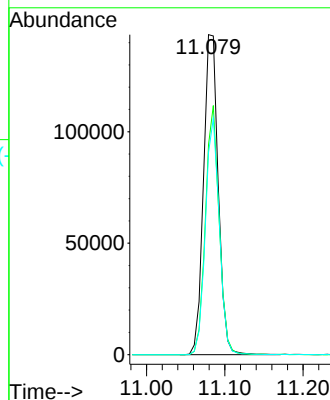
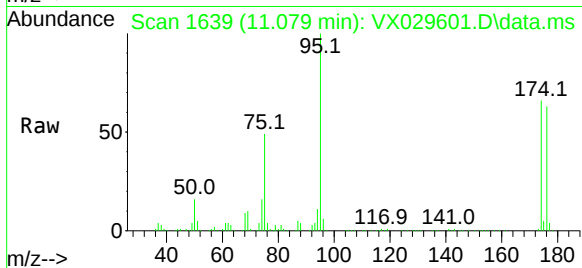
Tgt Ion: 95 Resp: 187317

Ion Ratio Lower Upper

95 100

174 72.4 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: VX029601.D

Acq: 19 Jun 2022 04:13

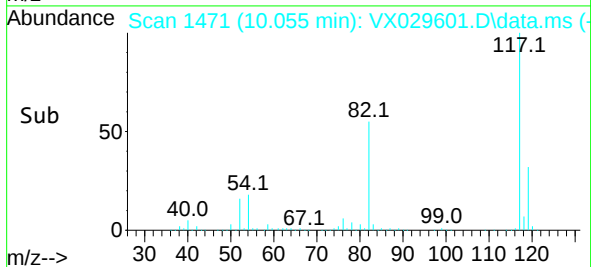
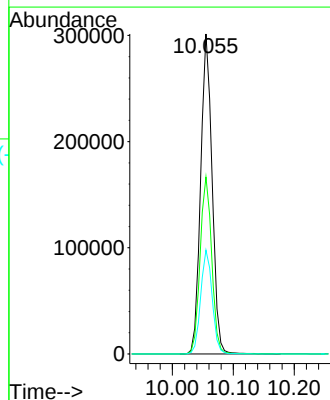
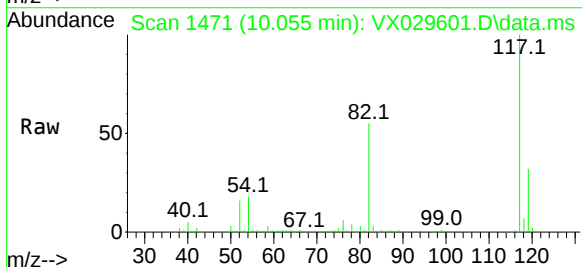
Tgt Ion: 117 Resp: 393998

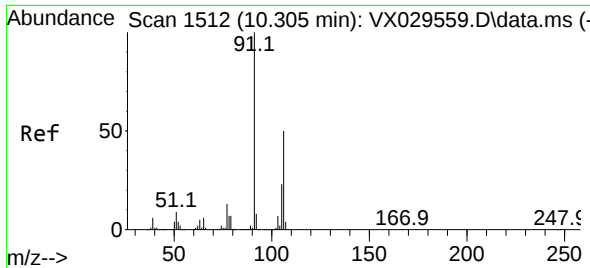
Ion Ratio Lower Upper

117 100

82 55.3 41.8 62.8

119 32.5 24.8 37.2

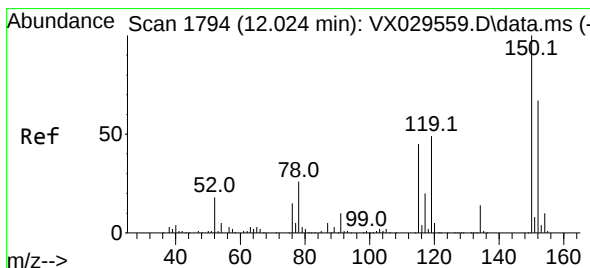
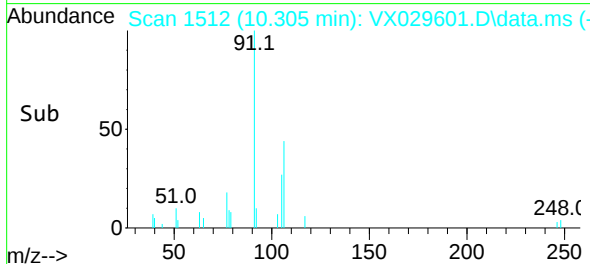
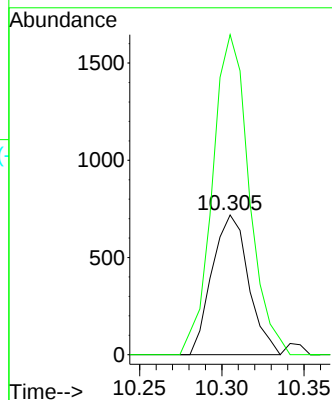
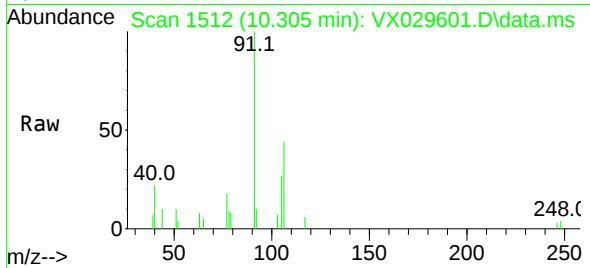




#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

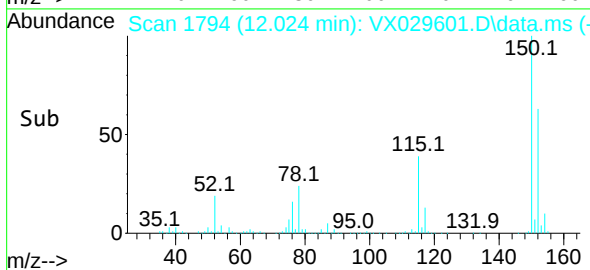
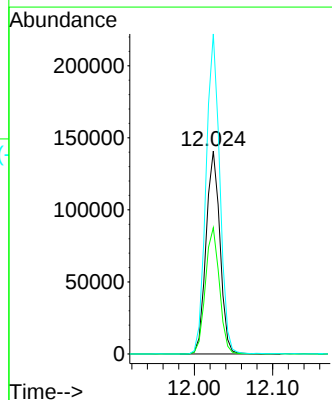
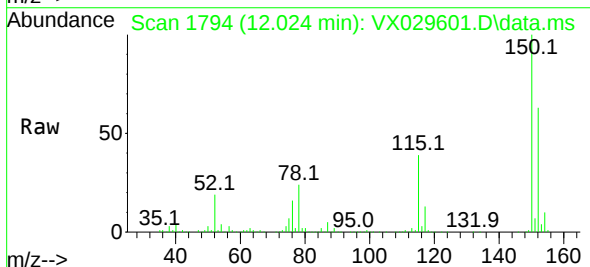
Instrument :
MSVOA_X
ClientSampleId :
MW-21

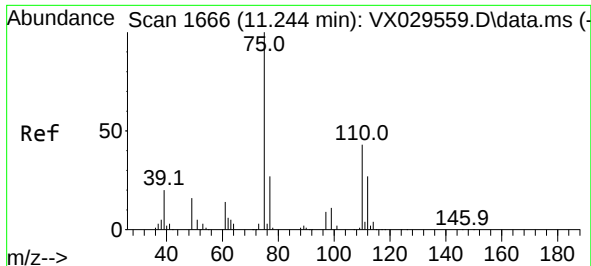
Tgt Ion:106 Resp: 1108
Ion Ratio Lower Upper
106 100
91 230.4 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion:152 Resp: 172833
Ion Ratio Lower Upper
152 100
115 62.6 37.5 112.7
150 156.3 0.0 338.2

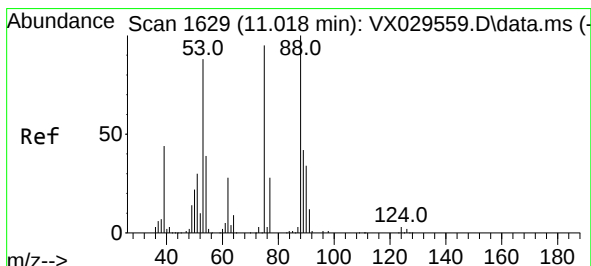
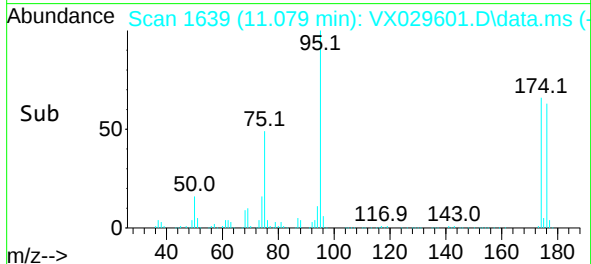
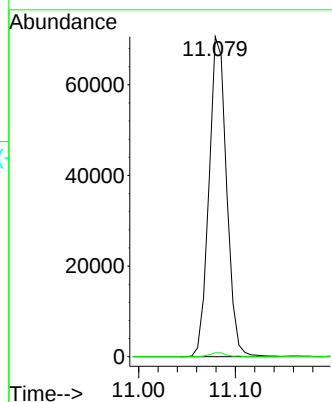
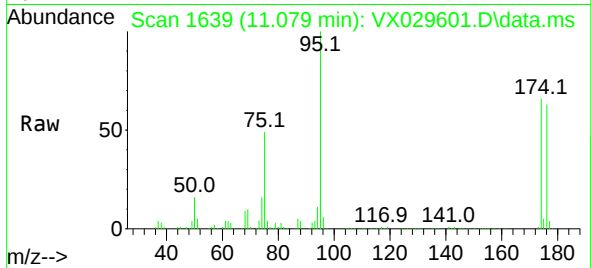




#76
1,2,3-Trichloropropane
Concen: 23.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
MW-21

Tgt Ion: 75 Resp: 89418
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.006 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029601.D
Acq: 19 Jun 2022 04:13

Tgt Ion: 75 Resp: 89418
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

