

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029653.D
 Acq On : 21 Jun 2022 10:01
 Operator : JC/MD
 Sample : N3354-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-60

Quant Time: Jun 21 17:09:25 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

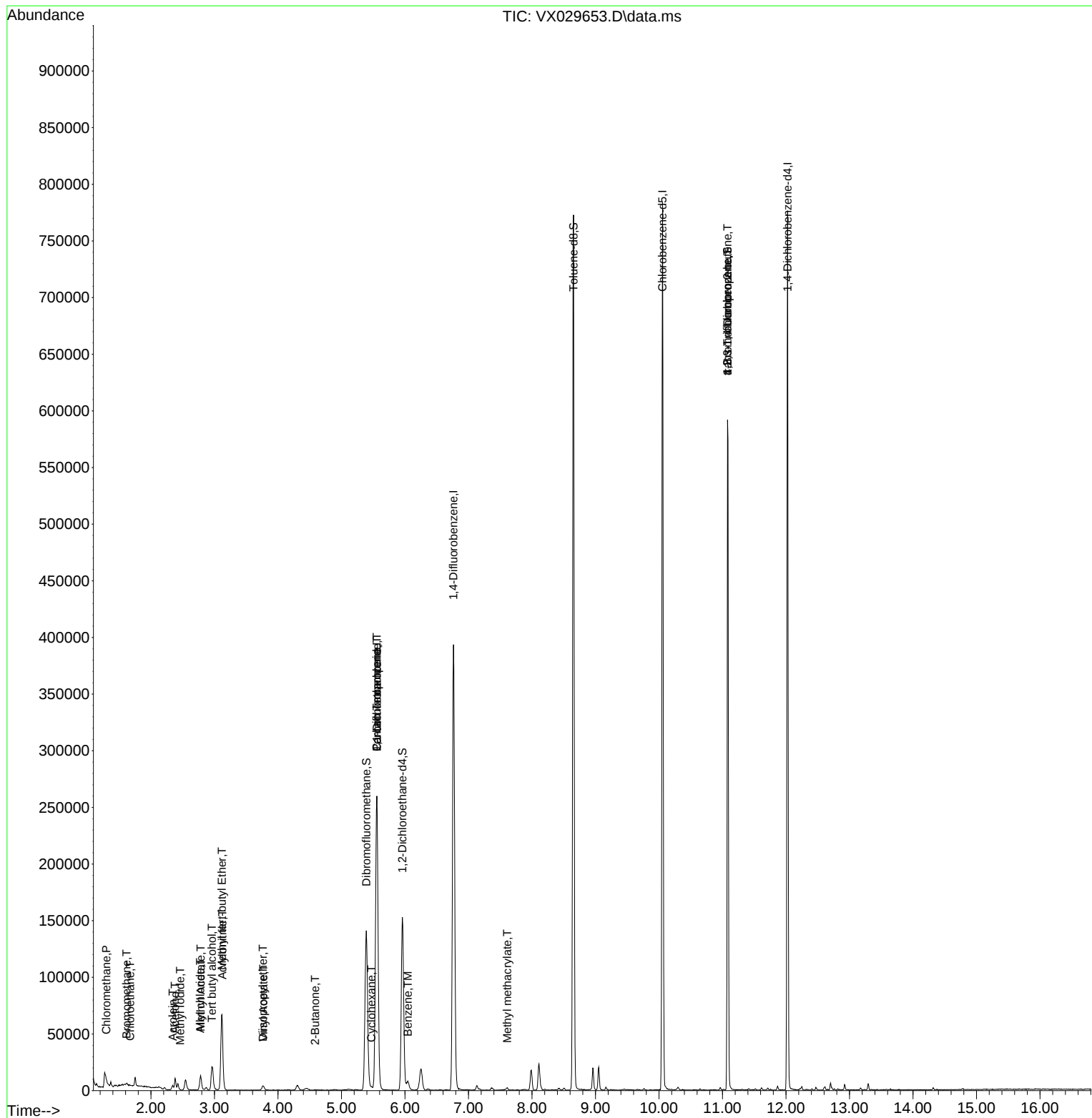
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	250800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	425501	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146683	44.183	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.360%
35) Dibromofluoromethane	5.391	113	126341	45.562	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.120%
50) Toluene-d8	8.653	98	476892	47.077	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.160%
62) 4-Bromofluorobenzene	11.079	95	172522	45.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1649	0.504	ug/l #	77
5) Bromomethane	1.618	94	524	0.341	ug/l	94
6) Chloroethane	1.673	64	778	1.614	ug/l #	45
10) Methyl Iodide	2.459	142	337	3.123	ug/l #	87
11) Tert butyl alcohol	2.959	59	27498	29.860	ug/l	99
13) Acrolein	2.343	56	553	3.024	ug/l	98
14) Allyl chloride	2.776	41	3143	0.766	ug/l #	60
15) Acrylonitrile	3.123	53	885	0.570	ug/l #	29
16) Acetone	2.380	43	10353	7.824	ug/l	89
18) Methyl Acetate	2.782	43	8884	2.539	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	77609	8.798	ug/l	98
22) Diisopropyl ether	3.764	45	4046	0.499	ug/l #	77
23) Vinyl Acetate	3.770	43	2078	0.307	ug/l #	66
25) 2-Butanone	4.587	43	489	0.234	ug/l #	44
31) Cyclohexane	5.471	56	1614	0.362	ug/l #	87
36) 1,1-Dichloropropene	5.556	75	18457	4.918	ug/l #	50
38) Carbon Tetrachloride	5.556	117	25820	6.996	ug/l #	14
40) Benzene	6.044	78	9195	0.827	ug/l	92
44) Trichloroethene	7.135	130	1699	Below Cal		81
48) Methyl methacrylate	7.610	41	652	0.222	ug/l #	12
76) 1,2,3-Trichloropropane	11.079	75	82986	23.593	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	82986	78.489	ug/l #	15

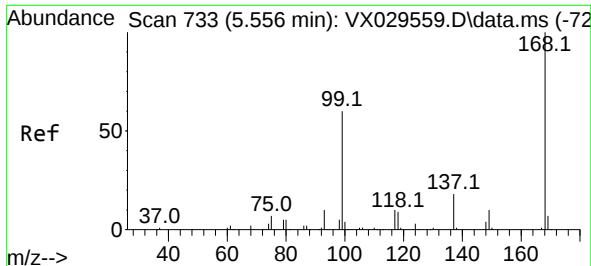
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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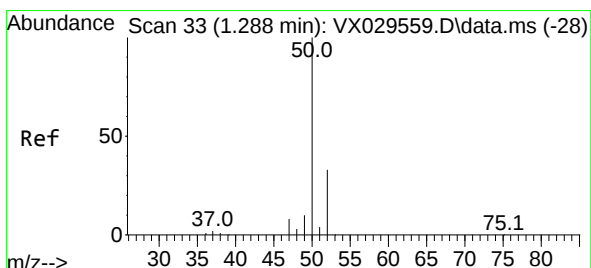
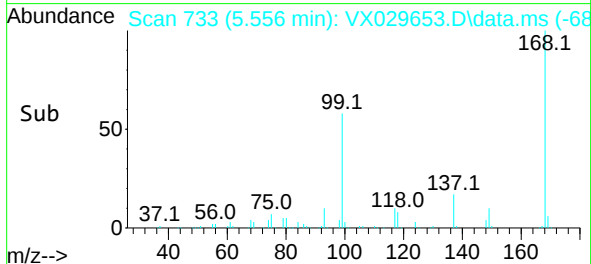
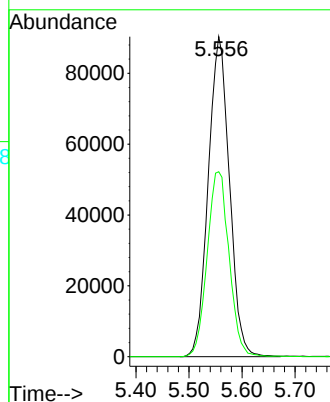
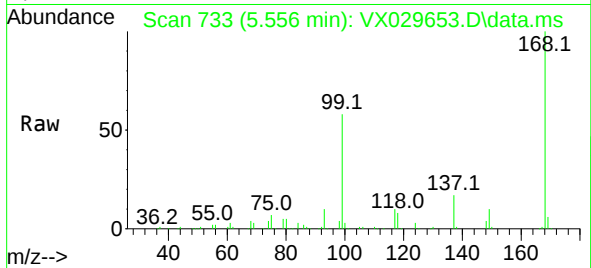




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

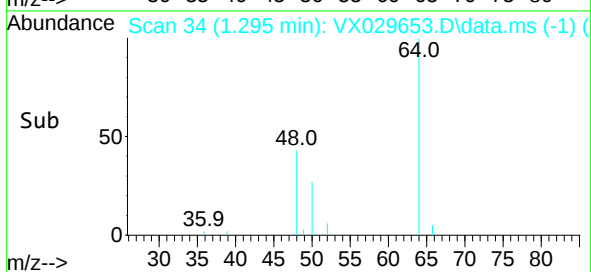
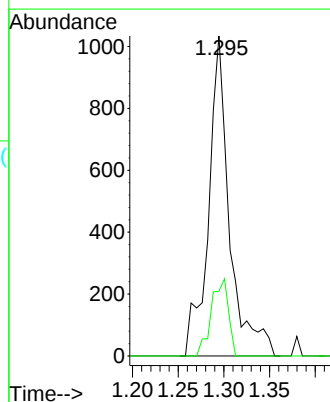
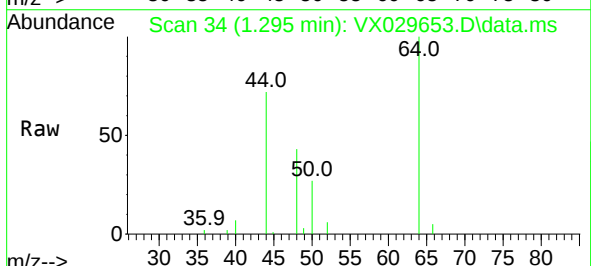
Instrument :
MSVOA_X
ClientSampleId :
MW-60

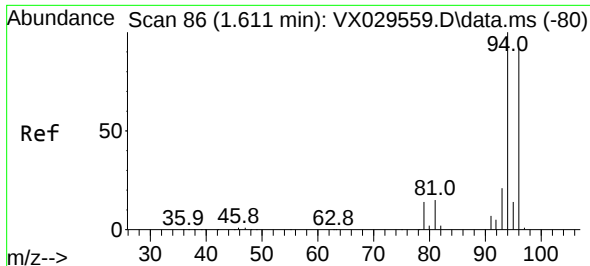
Tgt Ion:168 Resp: 250800
Ion Ratio Lower Upper
168 100
99 57.8 41.7 62.5



#3
Chloromethane
Concen: 0.504 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 50 Resp: 1649
Ion Ratio Lower Upper
50 100
52 20.2 26.4 39.6#

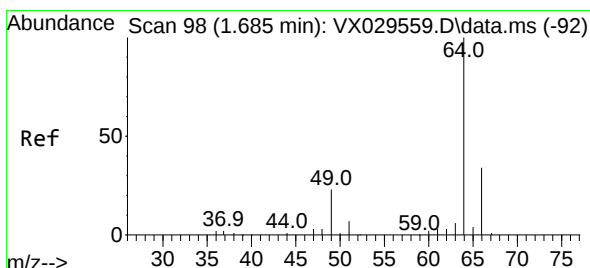
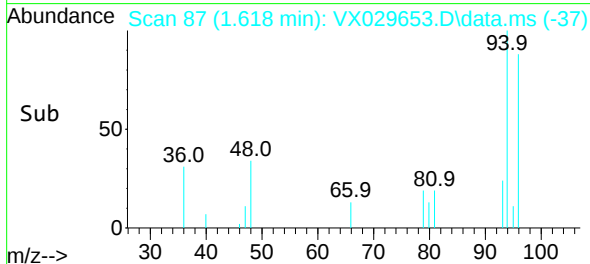
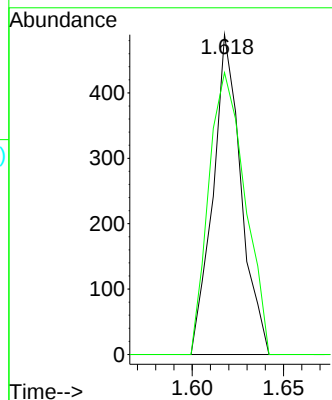
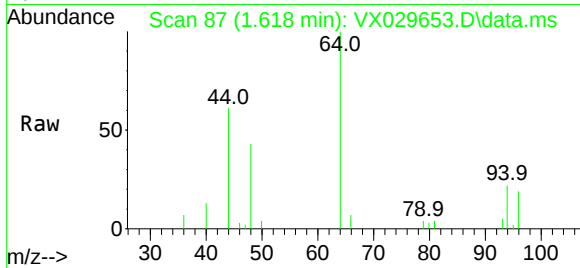




#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

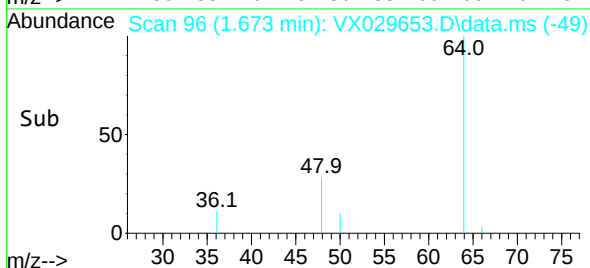
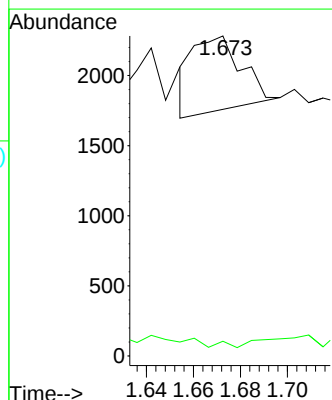
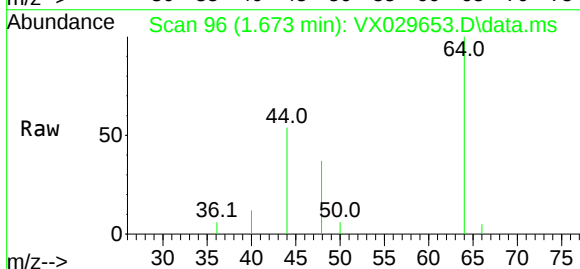
Instrument :
MSVOA_X
ClientSampleId :
MW-60

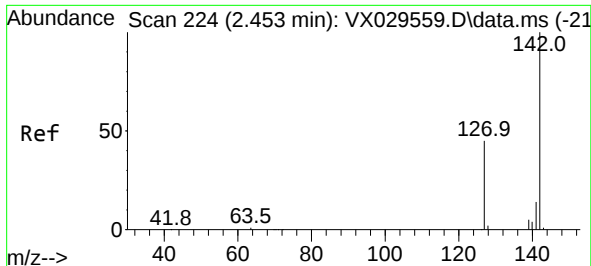
Tgt Ion: 94 Resp: 524
Ion Ratio Lower Upper
94 100
96 88.1 75.3 112.9



#6
Chloroethane
Concen: 1.614 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.012 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 64 Resp: 778
Ion Ratio Lower Upper
64 100
66 1.1 25.3 37.9

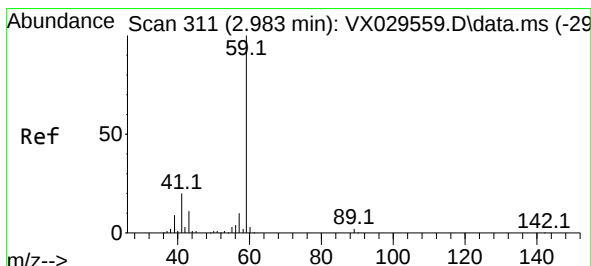
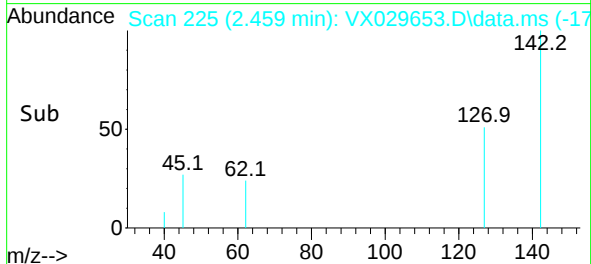
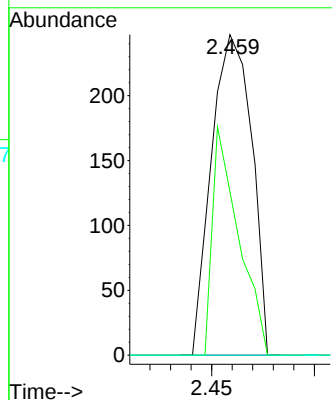
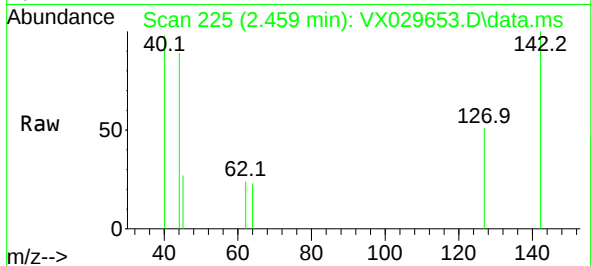




#10
Methyl Iodide
Concen: 3.123 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

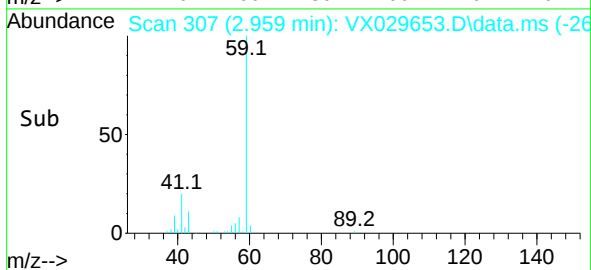
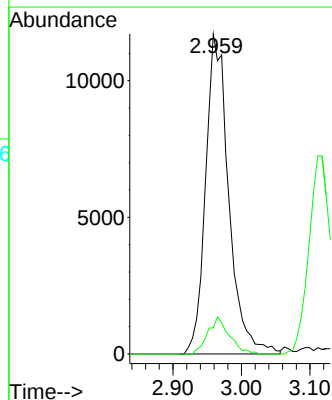
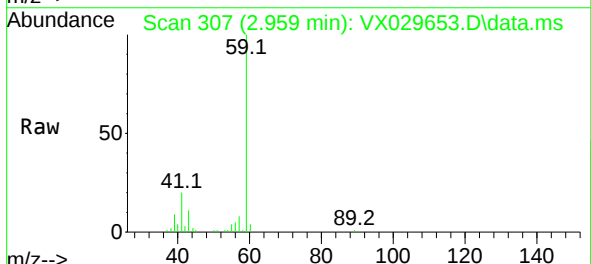
Instrument :
MSVOA_X
ClientSampleId :
MW-60

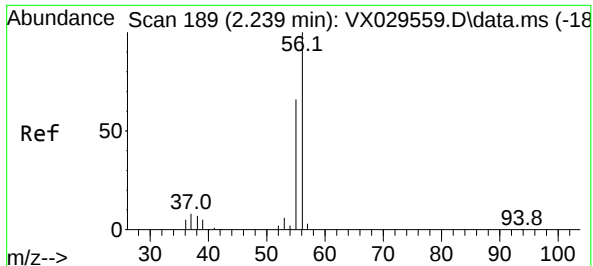
Tgt Ion:142 Resp: 337
Ion Ratio Lower Upper
142 100
127 46.3 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 29.860 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 59 Resp: 27498
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5





#13

Acrolein

Concen: 3.024 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.104 min

Lab File: VX029653.D

Acq: 21 Jun 2022 10:01

Instrument :

MSVOA_X

ClientSampleId :

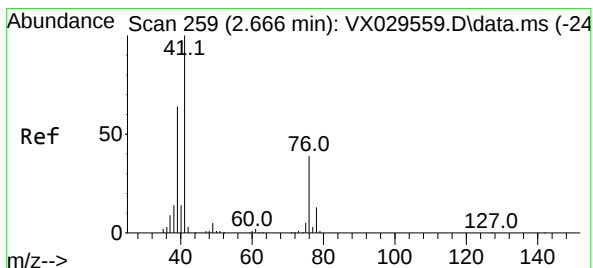
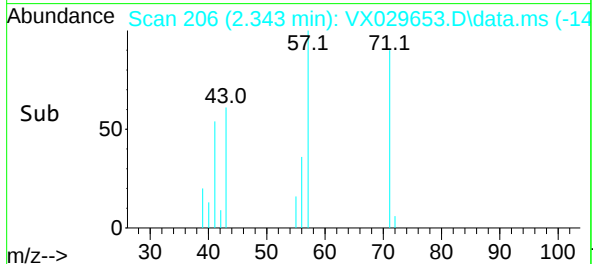
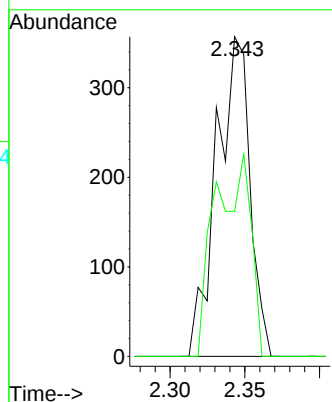
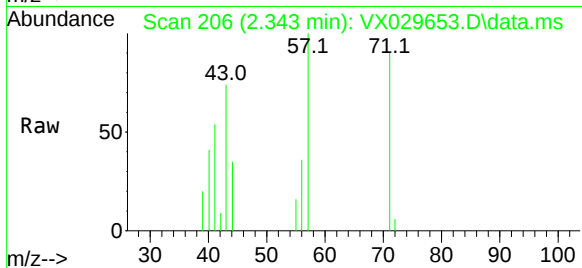
MW-60

Tgt Ion: 56 Resp: 553

Ion Ratio Lower Upper

56 100

55 67.3 55.0 82.6



#14

Allyl chloride

Concen: 0.766 ug/l

RT: 2.776 min Scan# 277

Delta R.T. 0.110 min

Lab File: VX029653.D

Acq: 21 Jun 2022 10:01

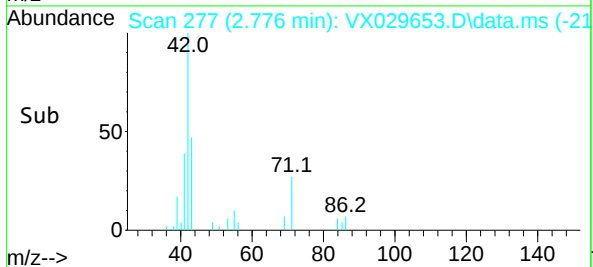
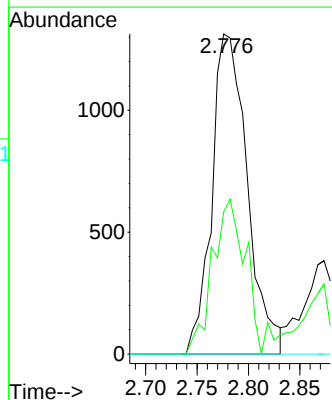
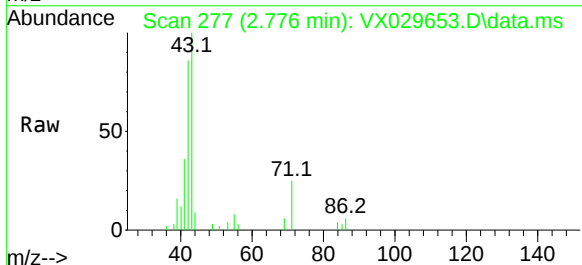
Tgt Ion: 41 Resp: 3143

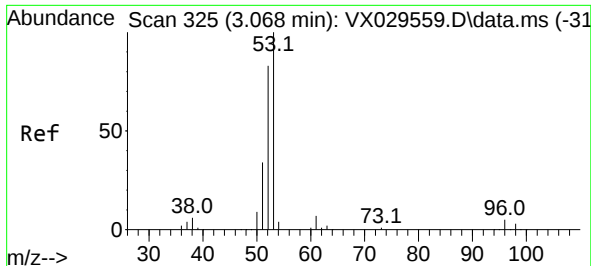
Ion Ratio Lower Upper

41 100

39 44.4 50.4 75.6#

76 0.0 32.7 49.1#





#15

Acrylonitrile

Concen: 0.570 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.055 min

Lab File: VX029653.D

Acq: 21 Jun 2022 10:01

Instrument :

MSVOA_X

ClientSampleId :

MW-60

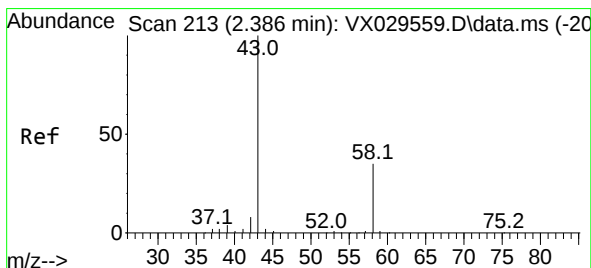
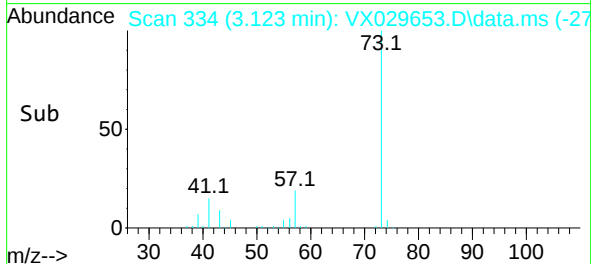
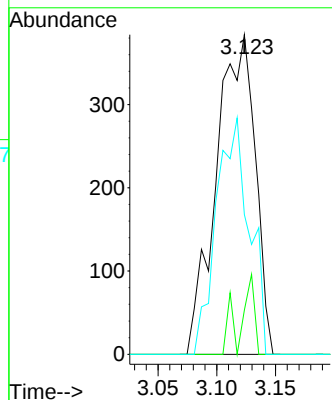
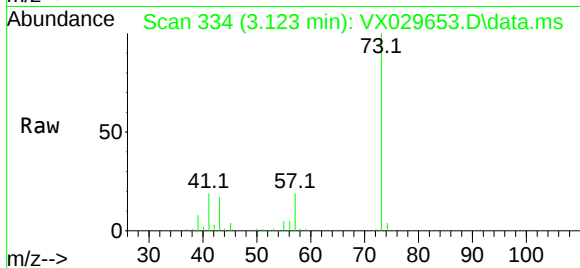
Tgt Ion: 53 Resp: 885

Ion Ratio Lower Upper

53 100

52 9.3 65.7 98.5#

51 62.7 28.4 42.6#



#16

Acetone

Concen: 7.824 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX029653.D

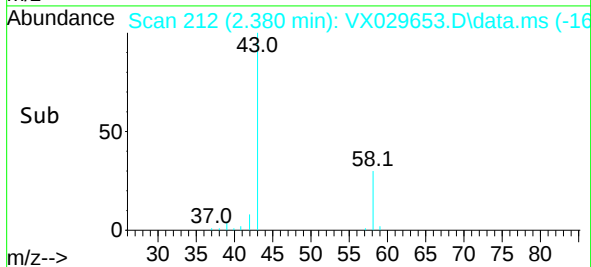
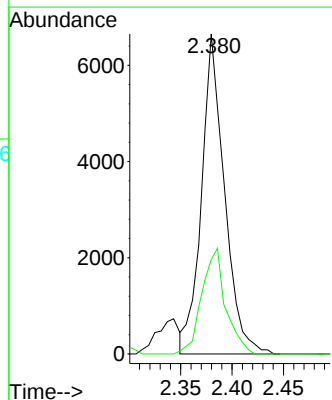
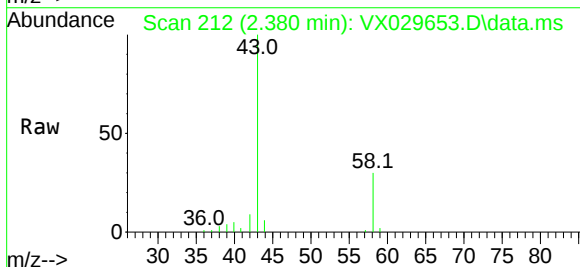
Acq: 21 Jun 2022 10:01

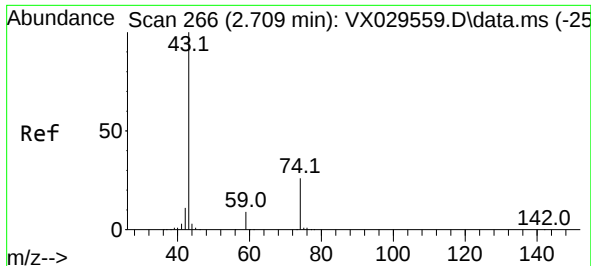
Tgt Ion: 43 Resp: 10353

Ion Ratio Lower Upper

43 100

58 29.5 28.8 43.2





#18

Methyl Acetate

Concen: 2.539 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.073 min

Lab File: VX029653.D

Acq: 21 Jun 2022 10:01

Instrument :

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ClientSampleId :

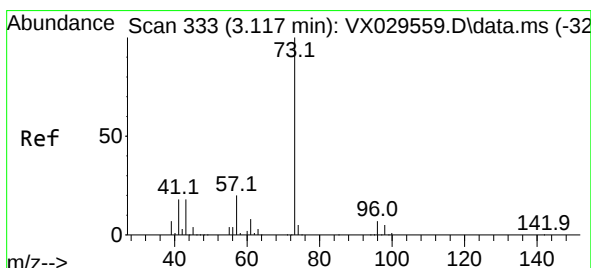
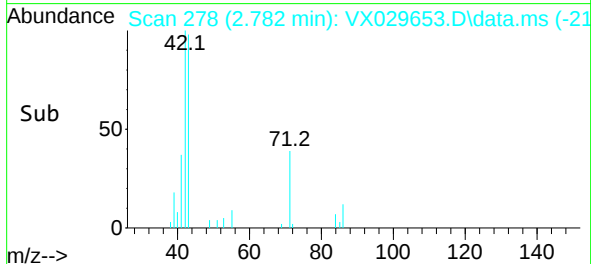
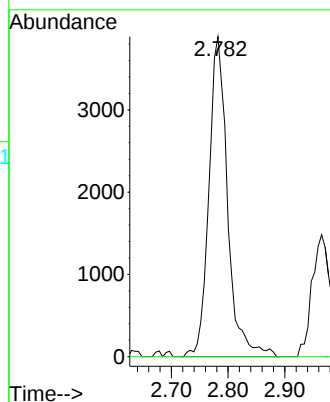
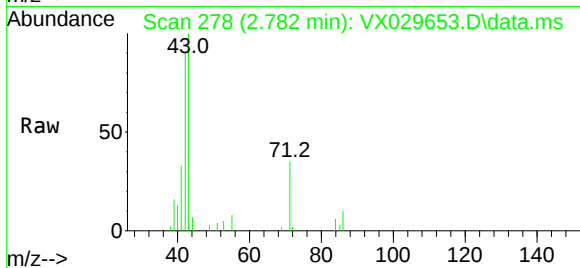
MW-60

Tgt Ion: 43 Resp: 8884

Ion Ratio Lower Upper

43 100

74 0.0 22.8 34.2#



#19

Methyl tert-butyl Ether

Concen: 8.798 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX029653.D

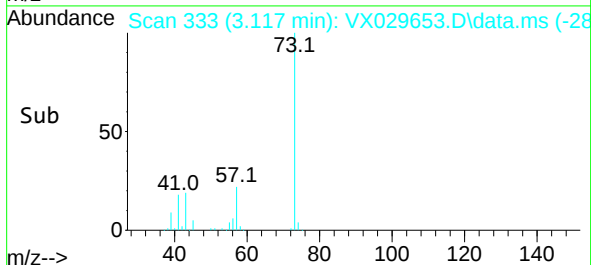
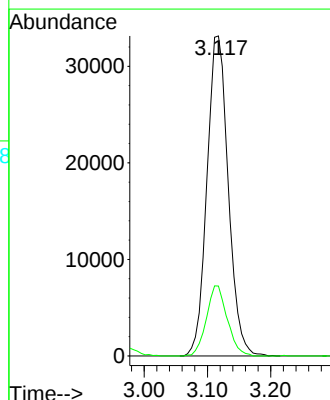
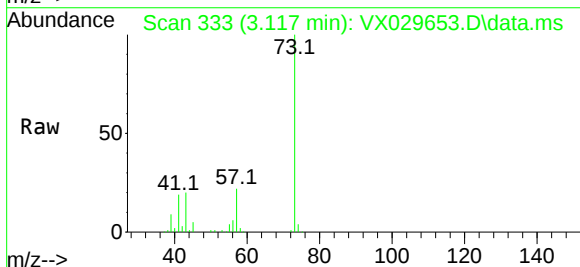
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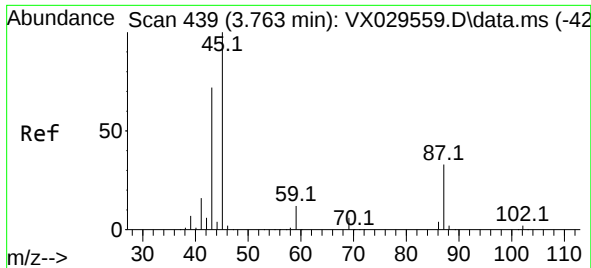
Tgt Ion: 73 Resp: 77609

Ion Ratio Lower Upper

73 100

57 21.9 16.8 25.2

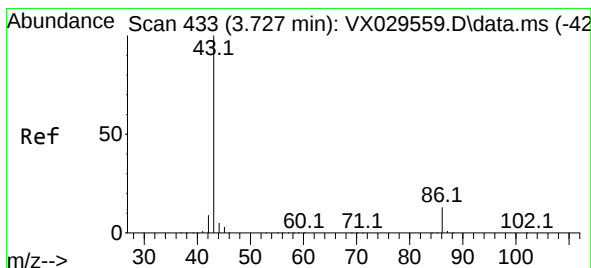
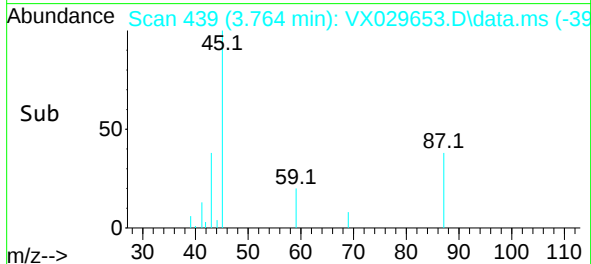
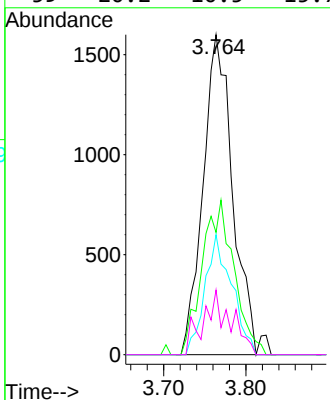
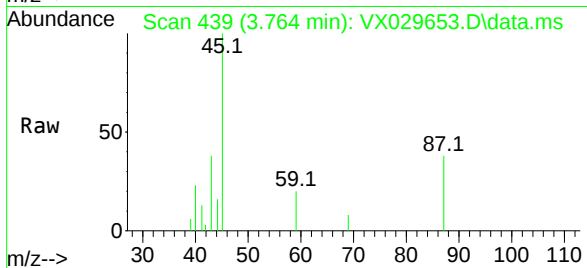




#22
Diisopropyl ether
Concen: 0.499 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.001 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

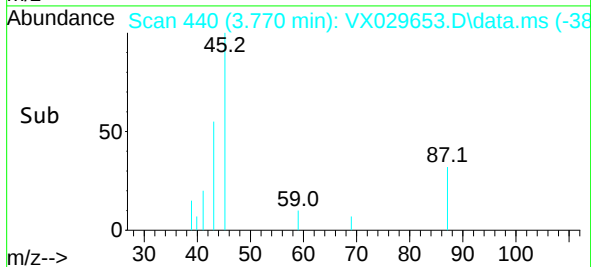
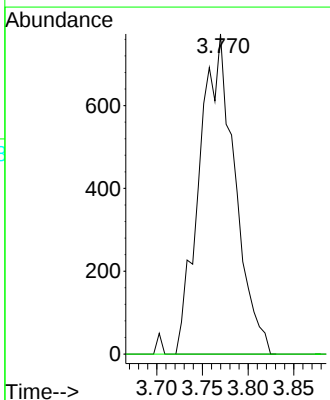
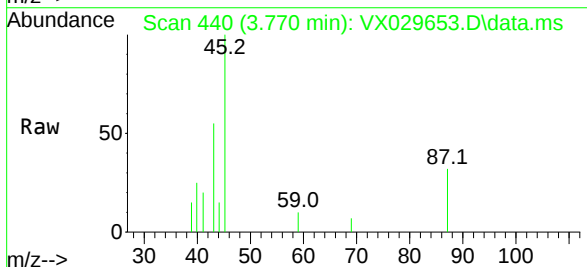
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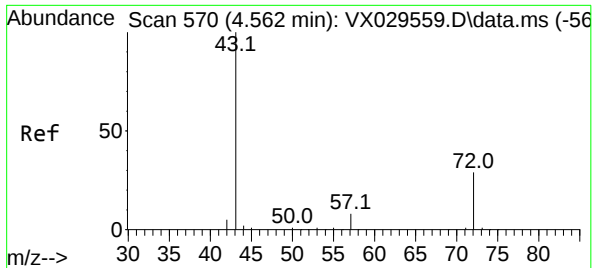
Tgt Ion: 45 Resp: 4046
Ion Ratio Lower Upper
45 100
43 38.2 50.8 76.2#
87 37.5 26.6 39.8
59 20.2 10.5 15.7#



#23
Vinyl Acetate
Concen: 0.307 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.043 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
86 0.0 10.8 16.2#

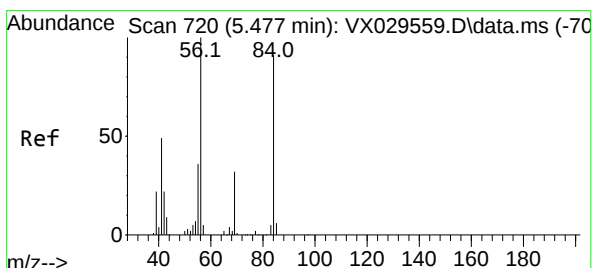
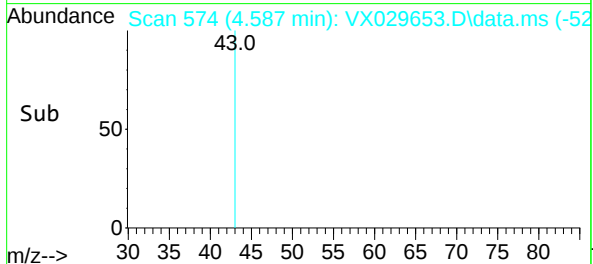
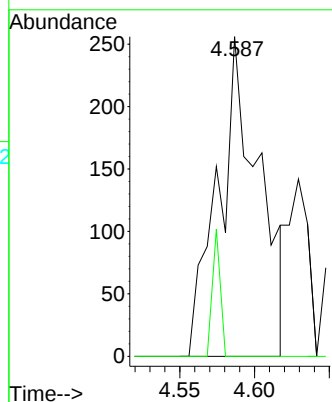
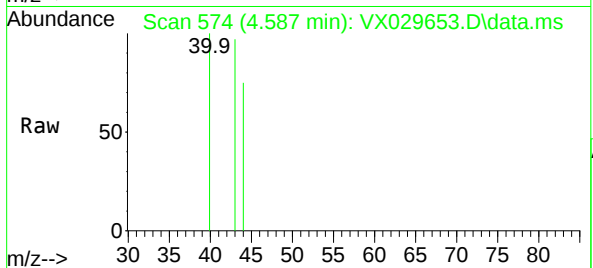




#25
2-Butanone
Concen: 0.234 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

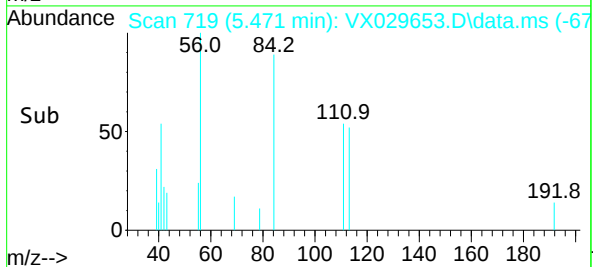
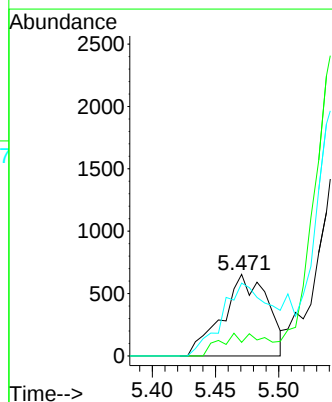
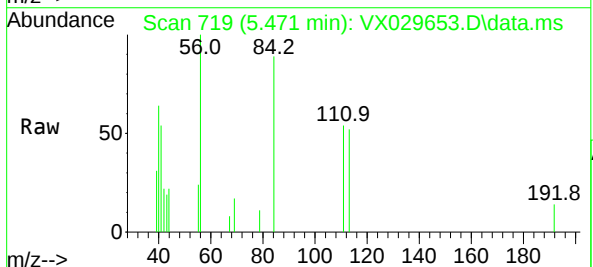
Instrument :
MSVOA_X
ClientSampleId :
MW-60

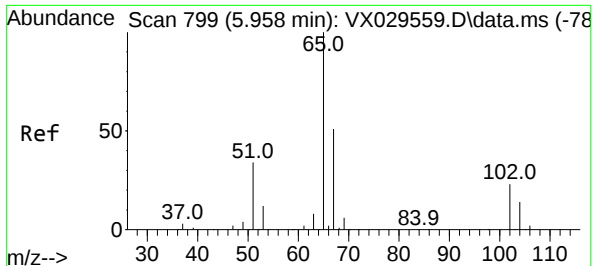
Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#31
Cyclohexane
Concen: 0.362 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 56 Resp: 1614
Ion Ratio Lower Upper
56 100
69 16.7 26.7 40.1#
84 89.3 77.2 115.8

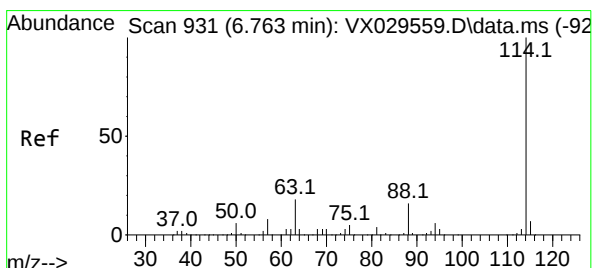
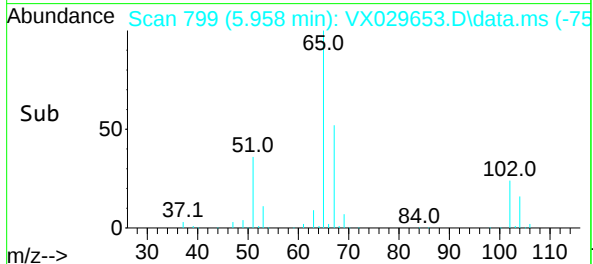
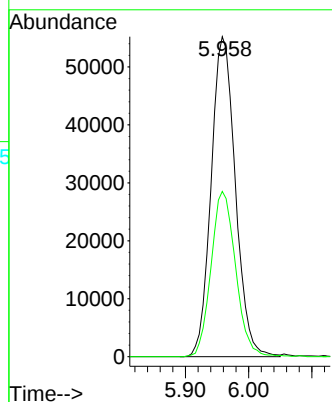
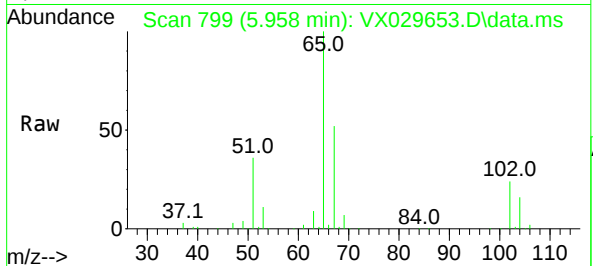




#33
 1,2-Dichloroethane-d4
 Concen: 44.183 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX029653.D
 Acq: 21 Jun 2022 10:01

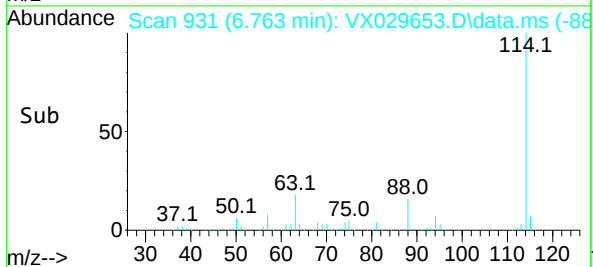
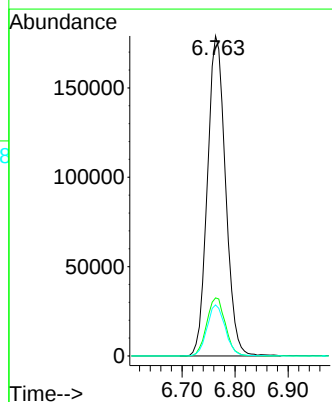
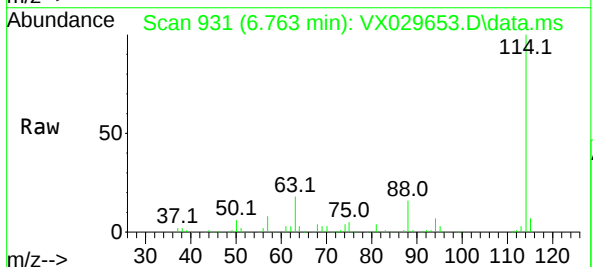
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-60

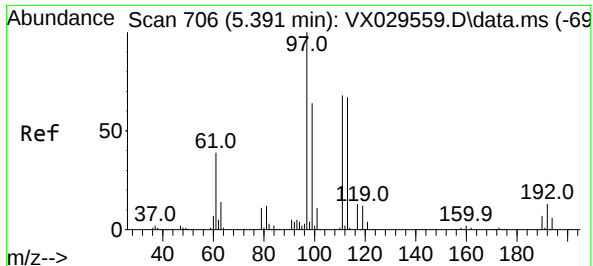
Tgt Ion: 65 Resp: 146683
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX029653.D
 Acq: 21 Jun 2022 10:01

Tgt Ion: 114 Resp: 425501
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.8
 88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.562 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029653.D

Acq: 21 Jun 2022 10:01

Instrument :

MSVOA_X

ClientSampleId :

MW-60

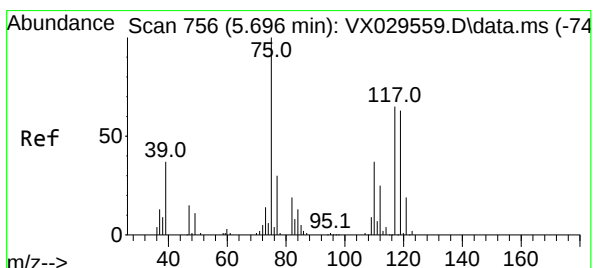
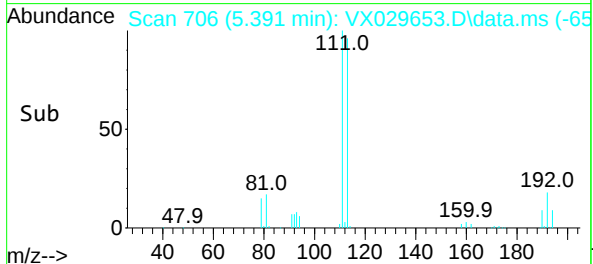
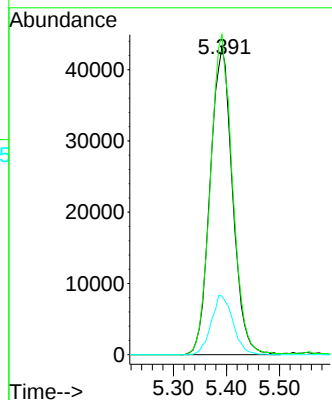
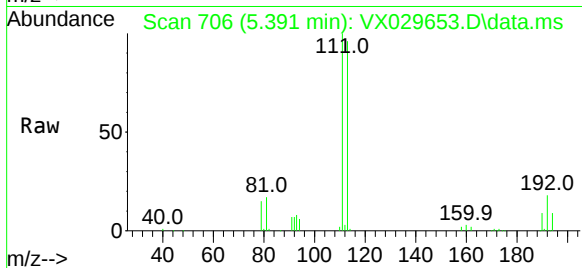
Tgt Ion:113 Resp: 126341

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 18.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.918 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029653.D

Acq: 21 Jun 2022 10:01

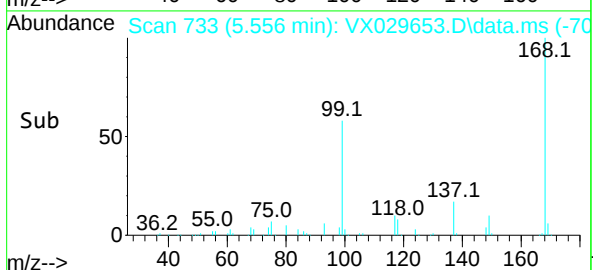
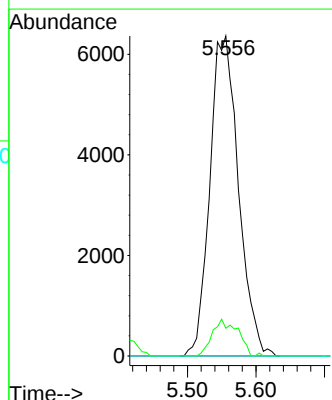
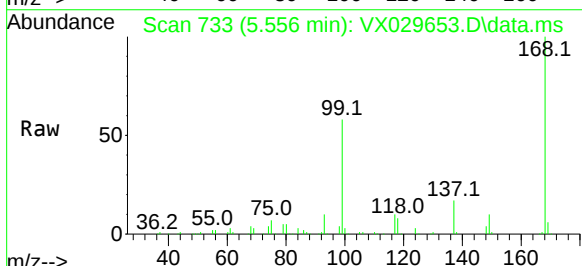
Tgt Ion: 75 Resp: 18457

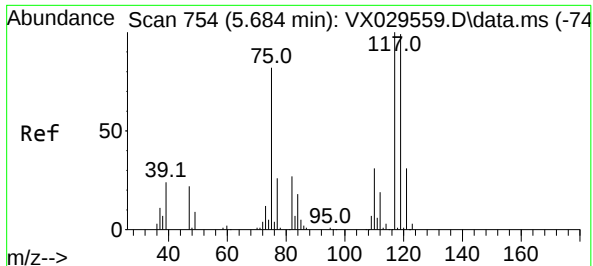
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#

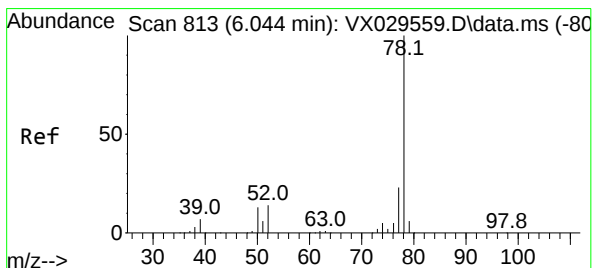
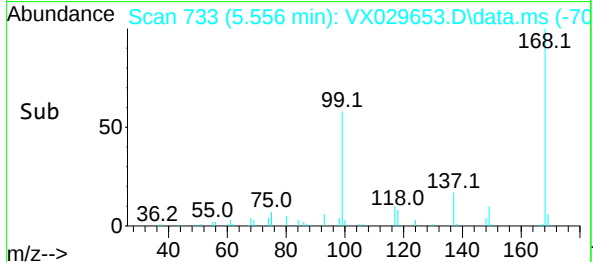
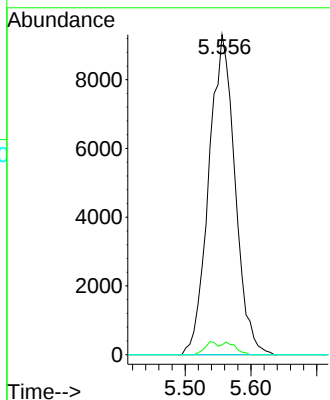
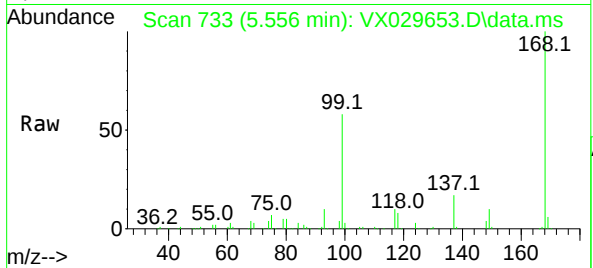




#38
Carbon Tetrachloride
Concen: 6.996 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

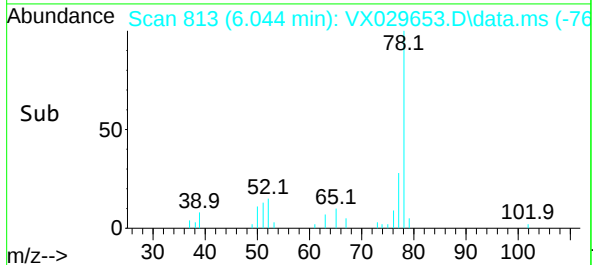
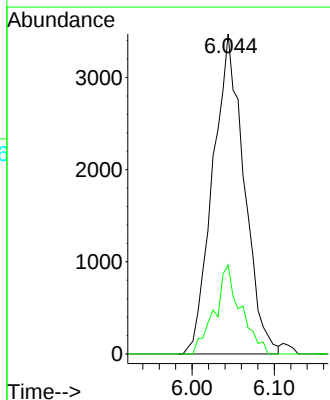
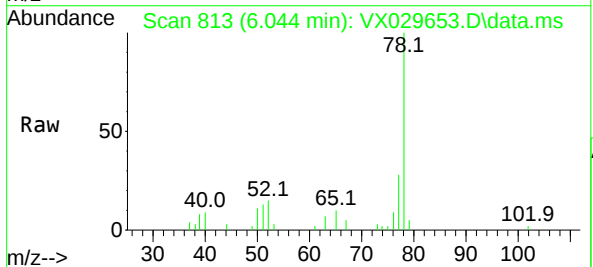
Instrument :
MSVOA_X
ClientSampleId :
MW-60

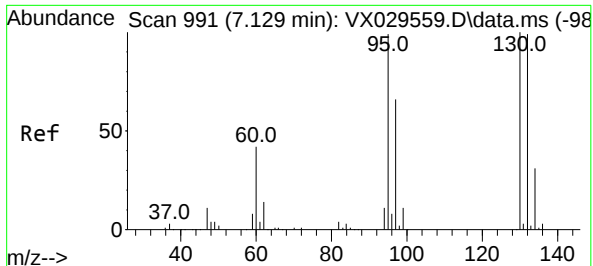
Tgt Ion:117 Resp: 25820
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.827 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 78 Resp: 9195
Ion Ratio Lower Upper
78 100
77 27.8 19.3 28.9

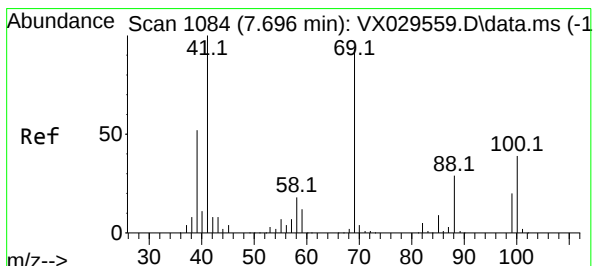
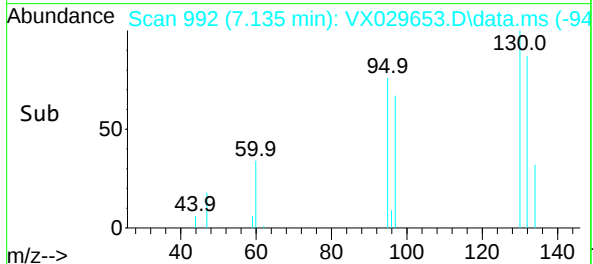
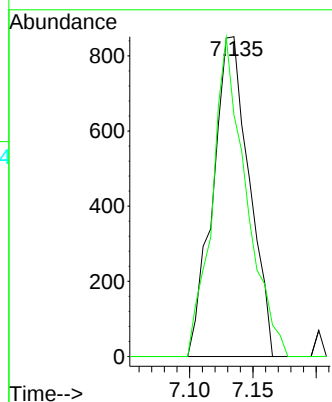
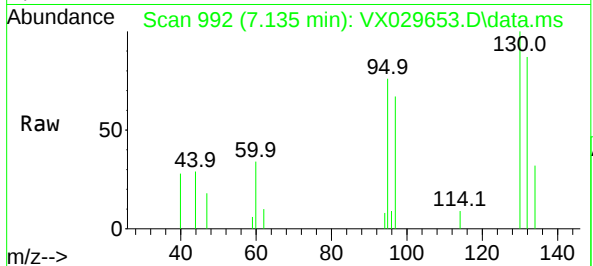




#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

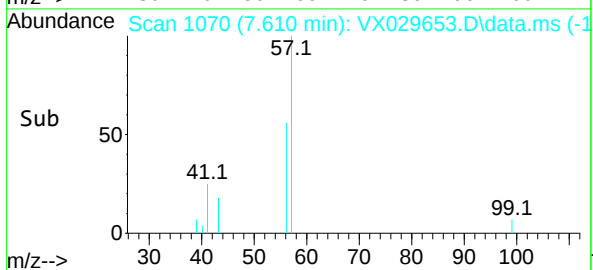
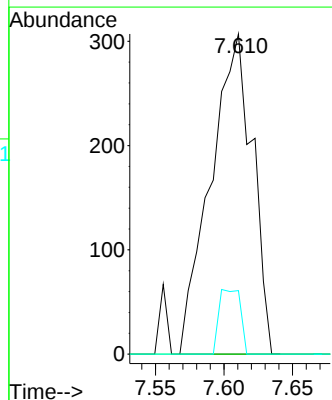
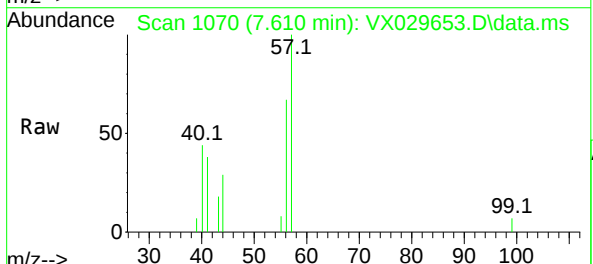
Instrument :
MSVOA_X
ClientSampleId :
MW-60

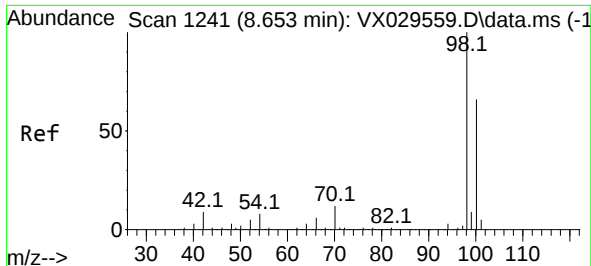
Tgt Ion:130 Resp: 1699
Ion Ratio Lower Upper
130 100
95 75.6 0.0 188.8



#48
Methyl methacrylate
Concen: 0.222 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.086 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 41 Resp: 652
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 10.3 43.8 65.8#

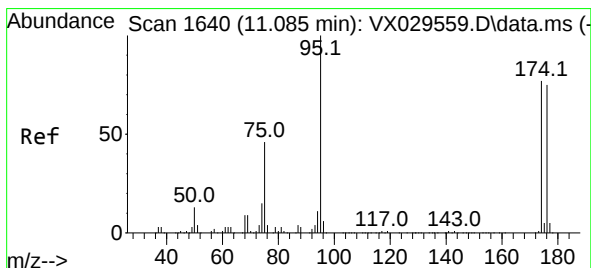
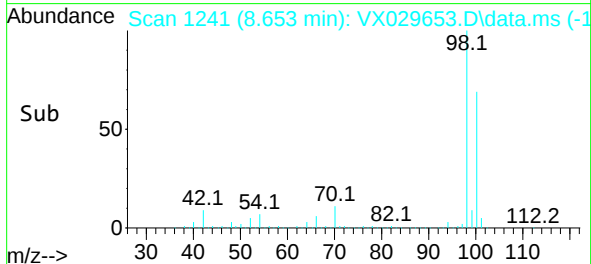
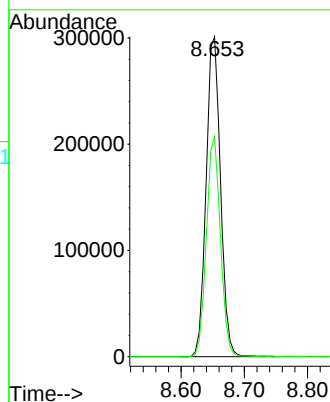
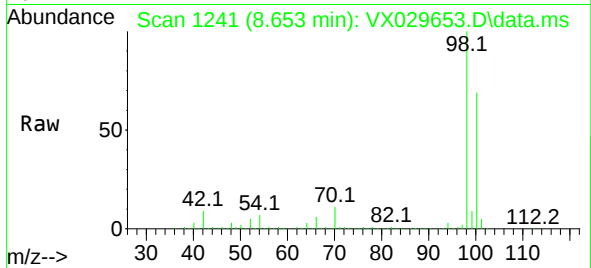




#50
Toluene-d8
Concen: 47.077 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

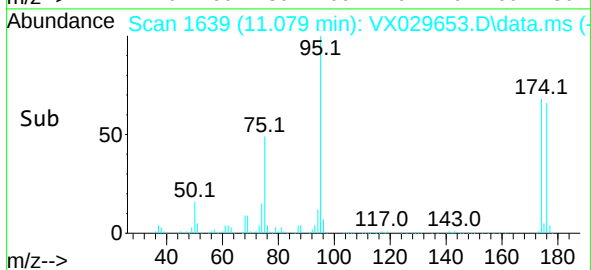
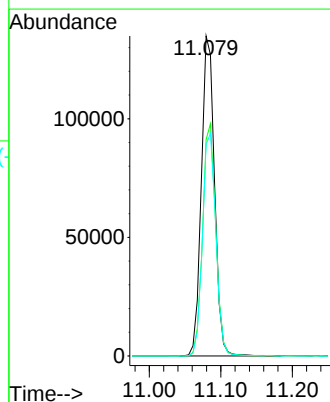
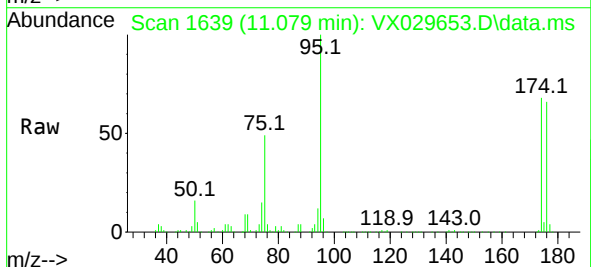
Instrument :
MSVOA_X
ClientSampleId :
MW-60

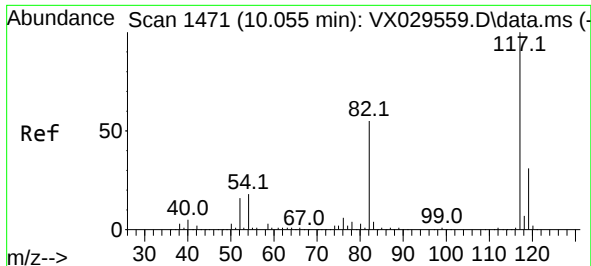
Tgt Ion: 98 Resp: 476892
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.161 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 95 Resp: 172522
Ion Ratio Lower Upper
95 100
174 72.6 0.0 163.0
176 70.5 0.0 155.0

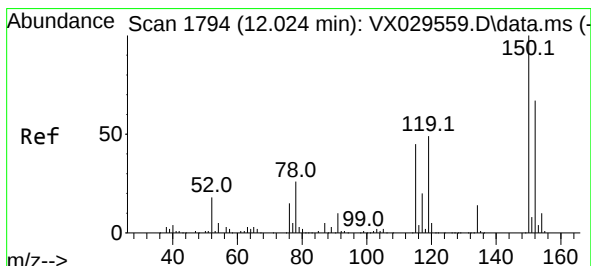
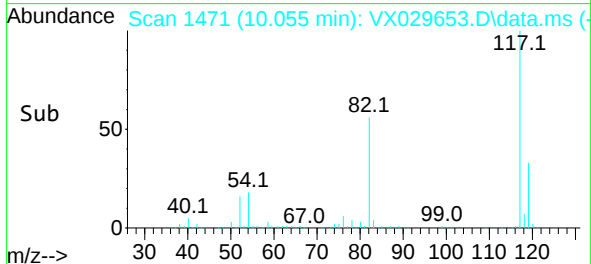
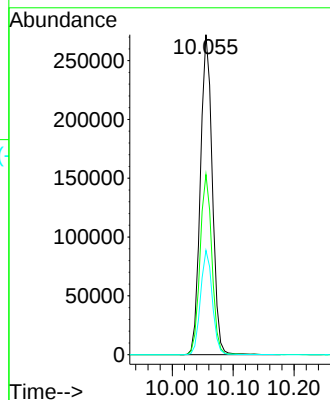
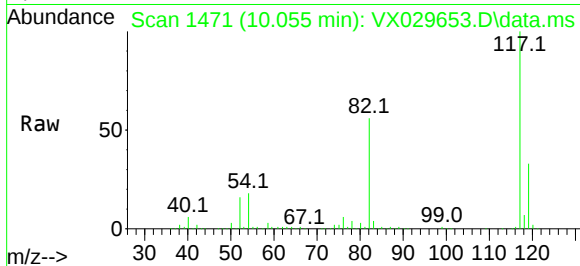




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

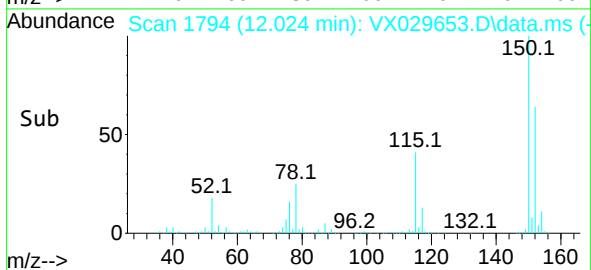
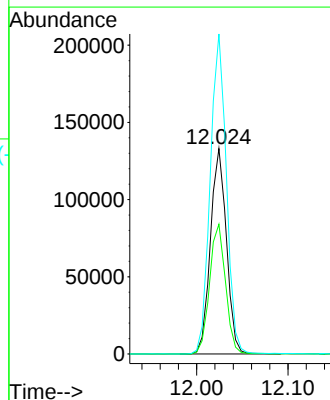
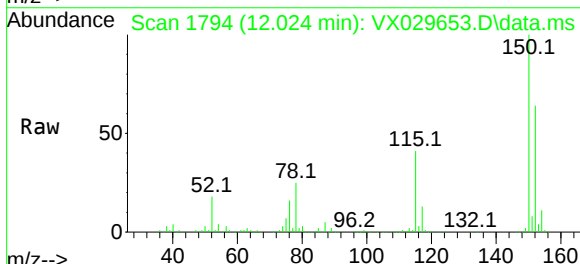
Instrument :
MSVOA_X
ClientSampleId :
MW-60

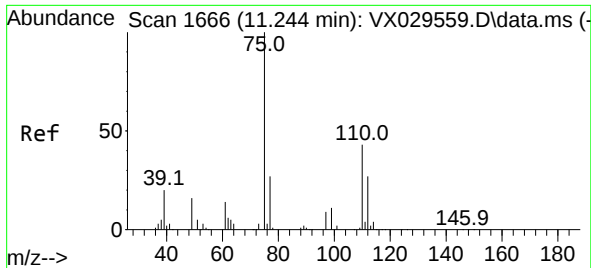
Tgt Ion:117 Resp: 368912
Ion Ratio Lower Upper
117 100
82 56.3 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion:152 Resp: 161458
Ion Ratio Lower Upper
152 100
115 62.9 37.5 112.7
150 156.9 0.0 338.2

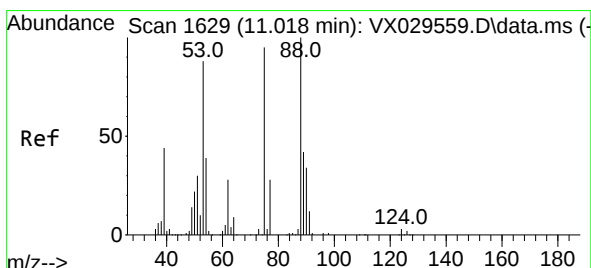
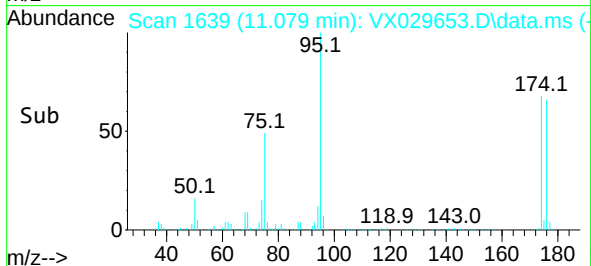
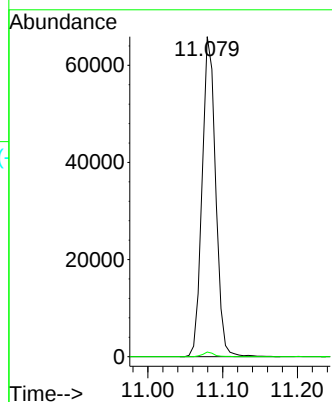
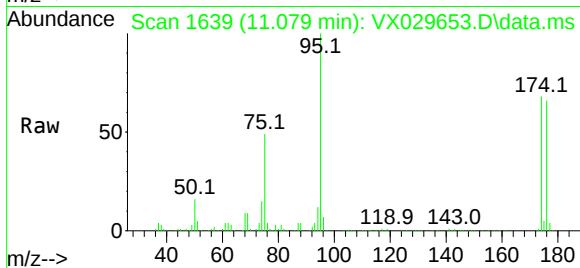




#76
1,2,3-Trichloropropane
Concen: 23.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Instrument :
MSVOA_X
ClientSampleId :
MW-60

Tgt Ion: 75 Resp: 82986
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029653.D
Acq: 21 Jun 2022 10:01

Tgt Ion: 75 Resp: 82986
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

