

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051922\
 Data File : VX028838.D
 Acq On : 19 May 2022 20:12
 Operator : JC/MD
 Sample : N2943-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

Quant Time: May 20 01:51:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

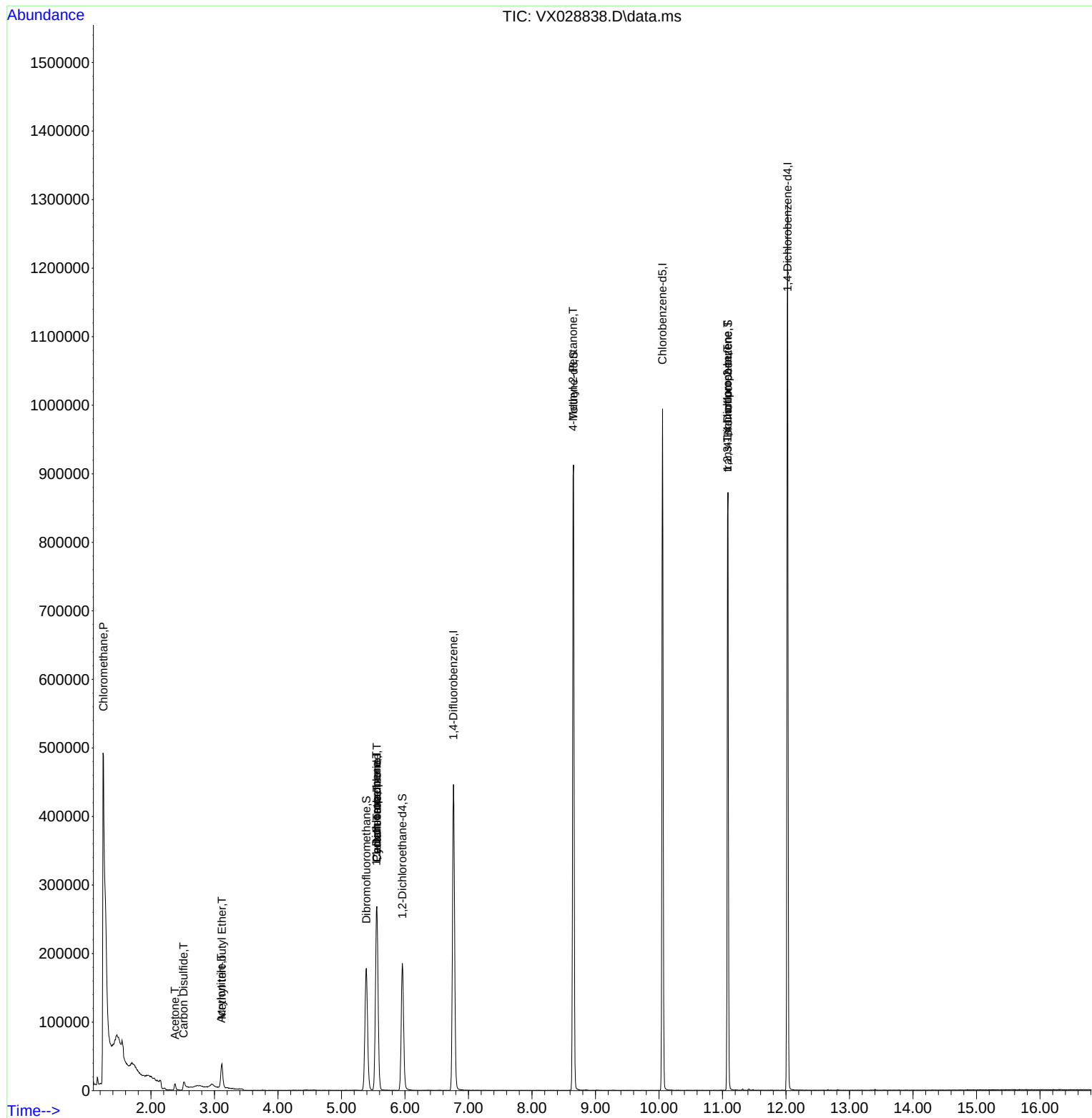
Internal Standards						
1) Pentafluorobenzene	5.556	168	251129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	452783	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	175754	51.056	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.120%	
35) Dibromofluoromethane	5.391	113	152964	51.563	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.120%	
50) Toluene-d8	8.653	98	539179	48.208	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.420%	
62) 4-Bromofluorobenzene	11.086	95	227675	54.500	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 109.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	24256	7.833	ug/l #	42
5) Bromomethane	1.618	94	307	Below Cal		83
6) Chloroethane	1.923	64	1324	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	1954	Below Cal	#	72
15) Acrylonitrile	3.105	53	545	0.329	ug/l #	15
16) Acetone	2.380	43	10047	6.800	ug/l	95
17) Carbon Disulfide	2.514	76	18269	2.712	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	37038	4.016	ug/l	98
31) Cyclohexane	5.556	56	5922	1.239	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20597	4.623	ug/l #	50
38) Carbon Tetrachloride	5.556	117	26358	5.878	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	2371	0.494	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	122316	20.559	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	122316	60.454	ug/l #	15

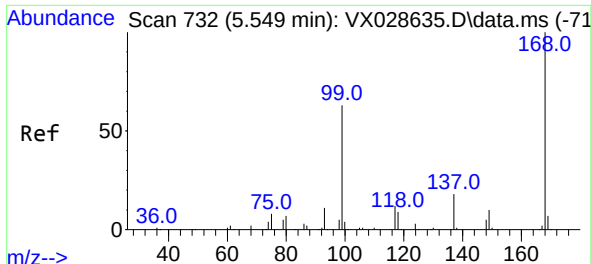
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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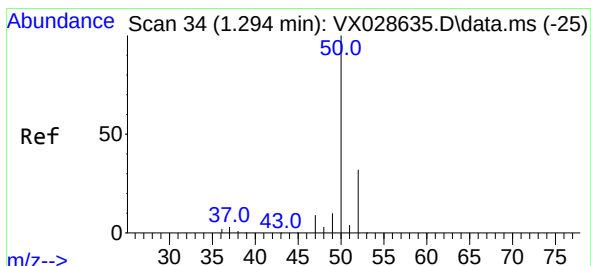
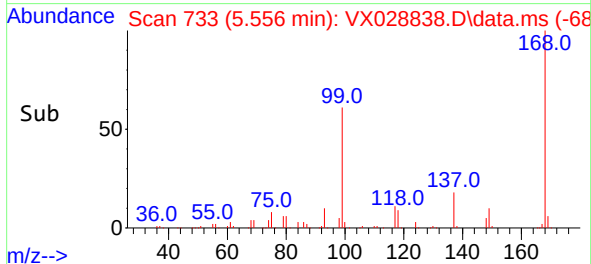
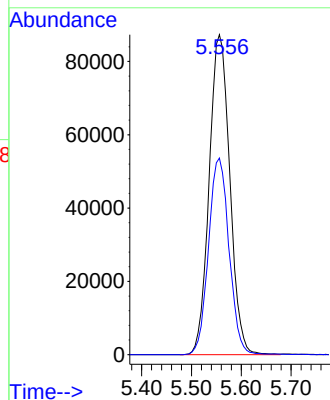
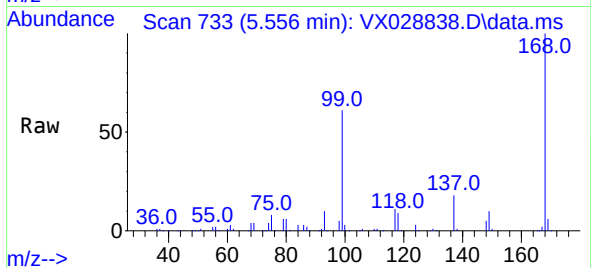




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

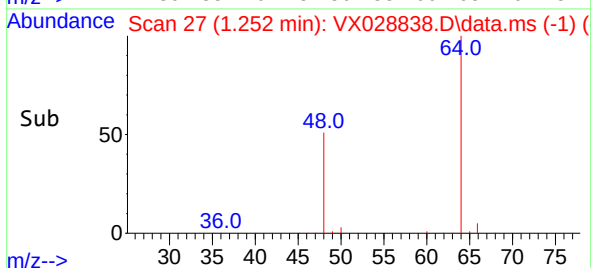
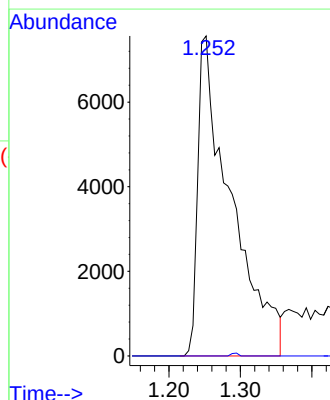
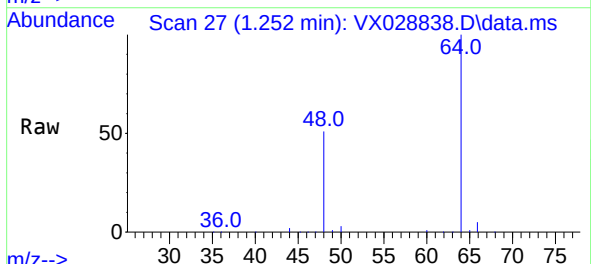
Instrument :
MSVOA_X
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MW-37

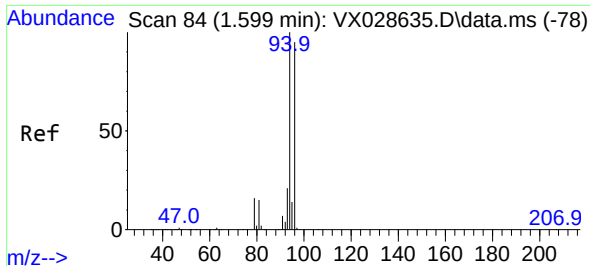
Tgt Ion:168 Resp: 251129
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#3
Chloromethane
Concen: 7.833 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Tgt Ion: 50 Resp: 24256
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6

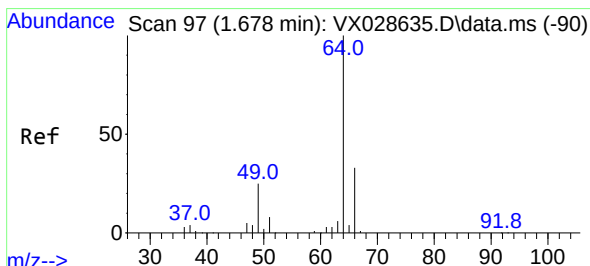
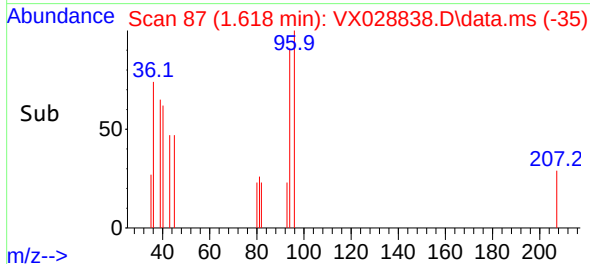
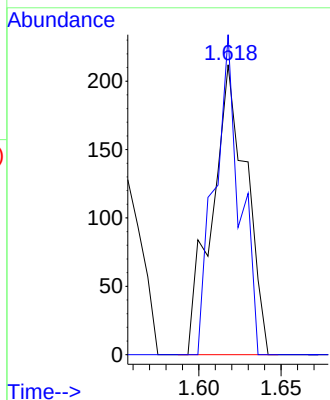
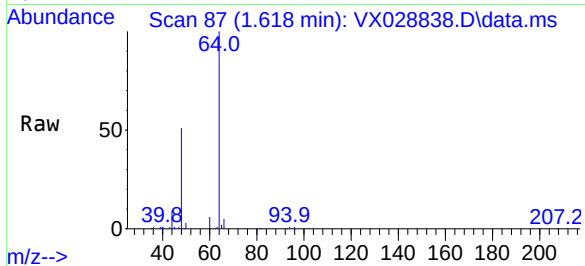




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

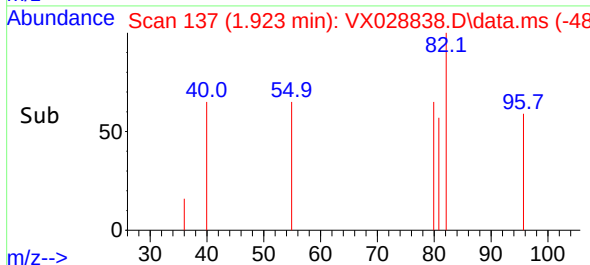
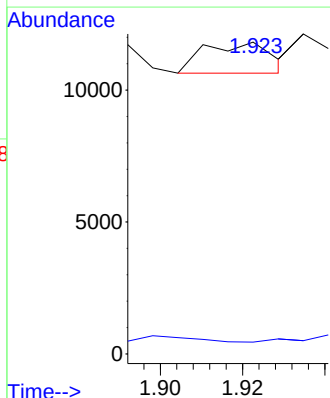
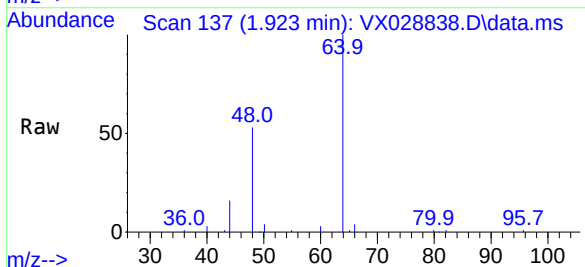
Instrument :
MSVOA_X
ClientSampleId :
MW-37

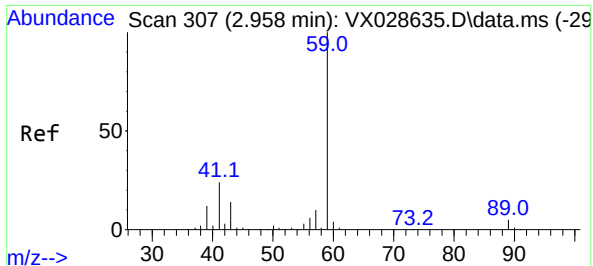
Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 110.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.923 min Scan# 137
Delta R.T. 0.245 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Tgt Ion: 64 Resp: 1324
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

Instrument :

MSVOA_X

ClientSampleId :

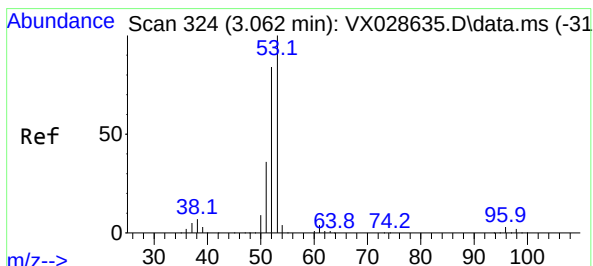
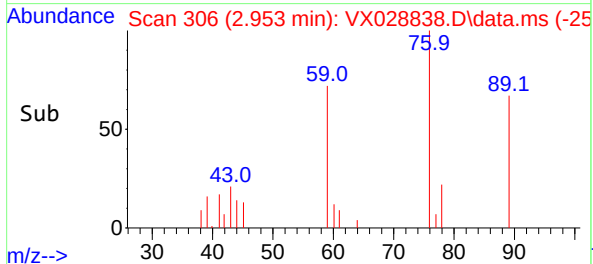
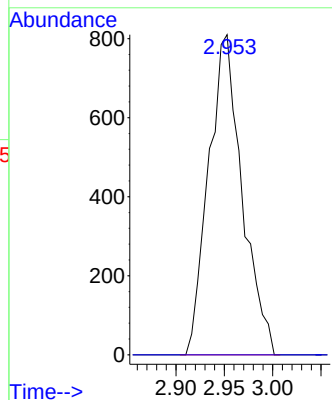
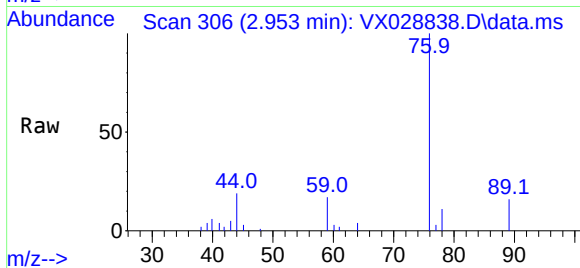
MW-37

Tgt Ion: 59 Resp: 1954

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 0.329 ug/l

RT: 3.105 min Scan# 331

Delta R.T. 0.043 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

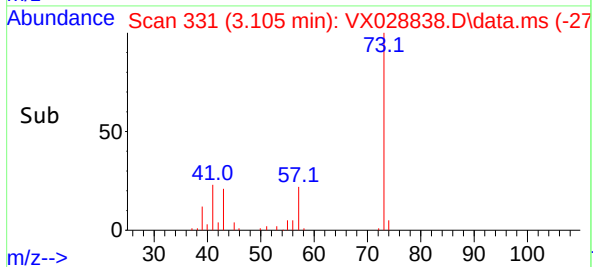
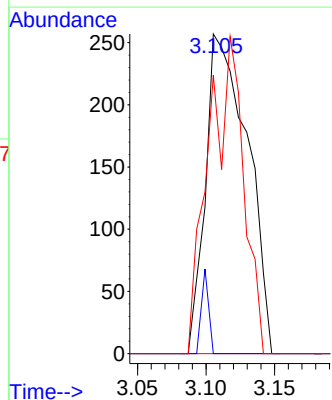
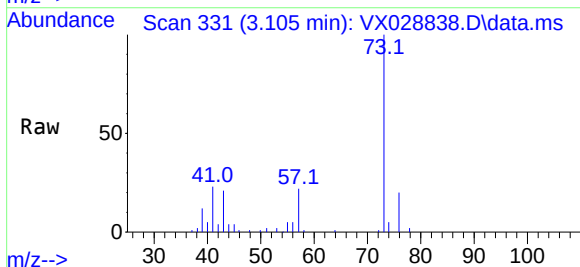
Tgt Ion: 53 Resp: 545

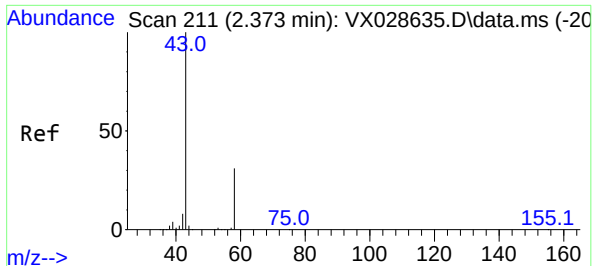
Ion Ratio Lower Upper

53 100

52 4.6 65.7 98.5#

51 82.9 28.4 42.6#

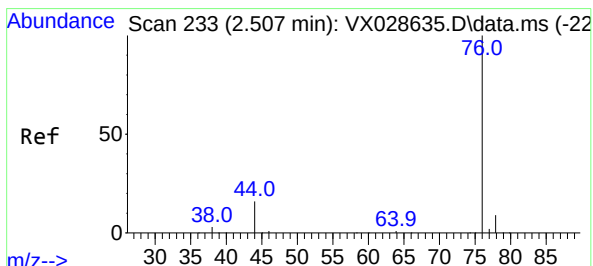
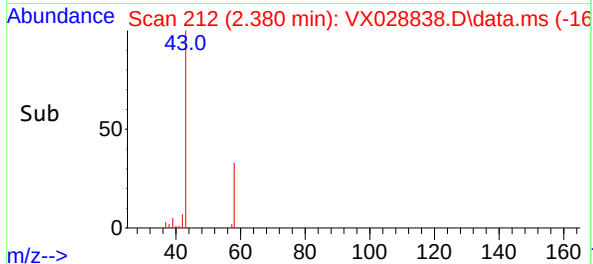
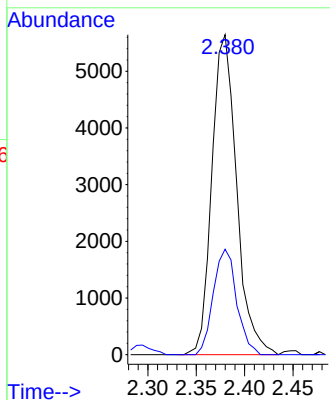
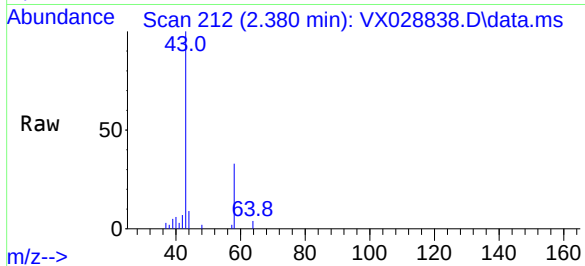




#16
Acetone
Concen: 6.800 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

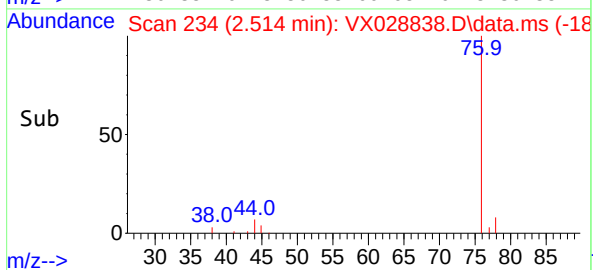
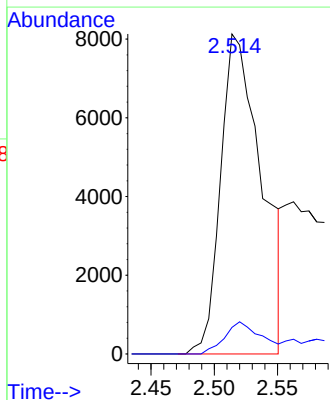
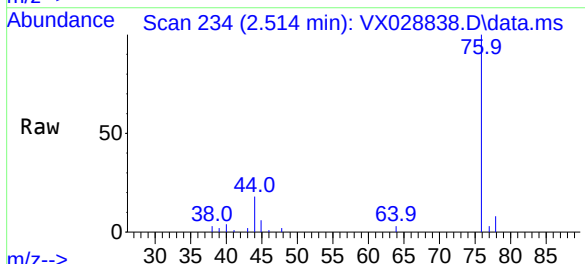
Instrument :
MSVOA_X
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MW-37

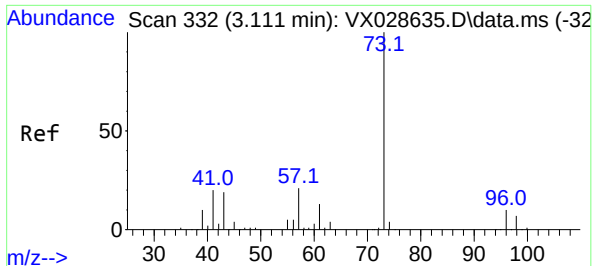
Tgt Ion: 43 Resp: 10047
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#17
Carbon Disulfide
Concen: 2.712 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Tgt Ion: 76 Resp: 18269
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8





#19

Methyl tert-butyl Ether

Concen: 4.016 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

Instrument :

MSVOA_X

ClientSampleId :

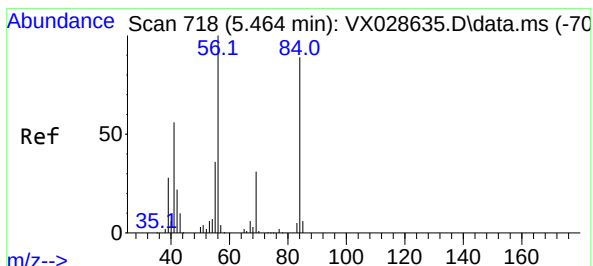
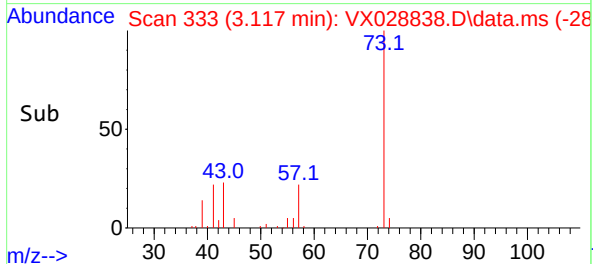
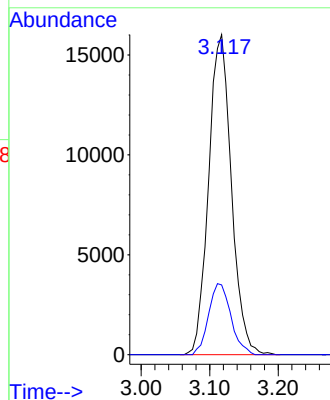
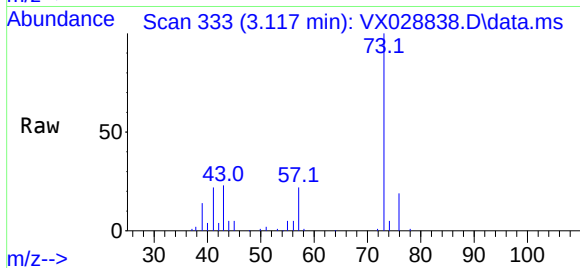
MW-37

Tgt Ion: 73 Resp: 37038

Ion Ratio Lower Upper

73 100

57 21.8 16.8 25.2



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

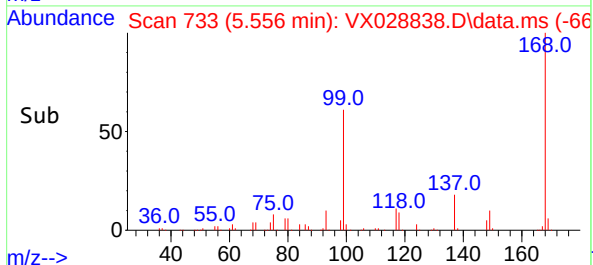
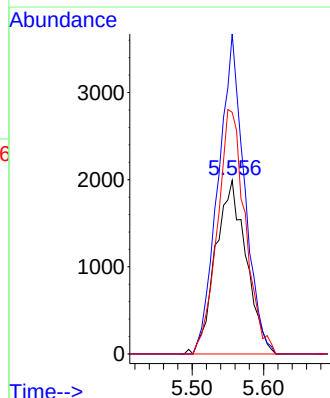
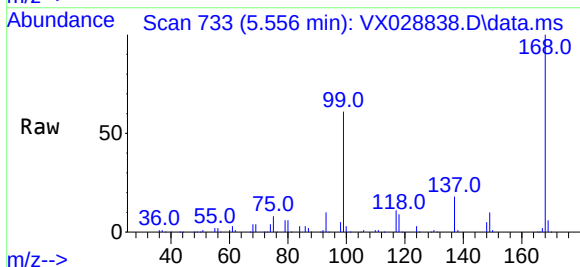
Tgt Ion: 56 Resp: 5922

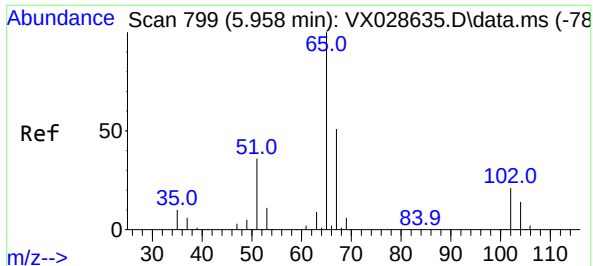
Ion Ratio Lower Upper

56 100

69 184.2 26.7 40.1#

84 139.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.056 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

Instrument :

MSVOA_X

ClientSampleId :

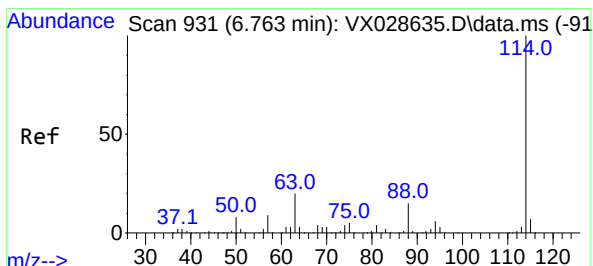
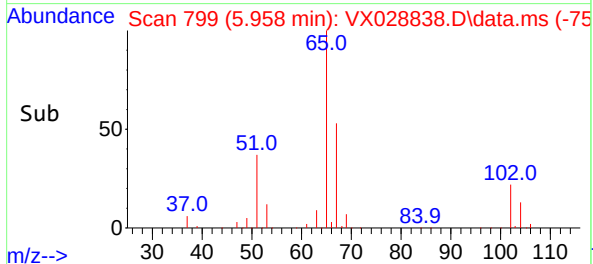
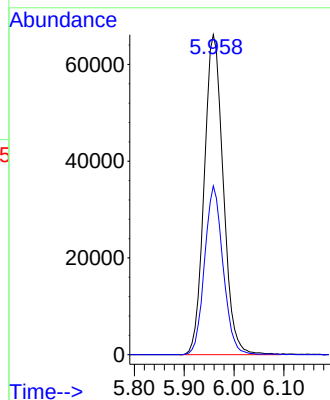
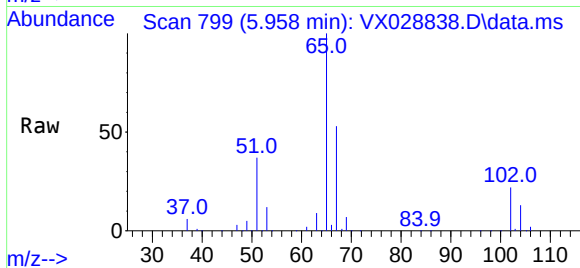
MW-37

Tgt Ion: 65 Resp: 175754

Ion Ratio Lower Upper

65 100

67 51.0 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: VX028838.D

Acq: 19 May 2022 20:12

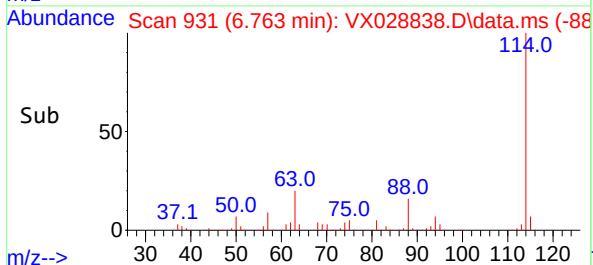
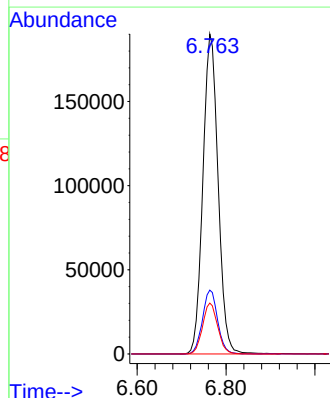
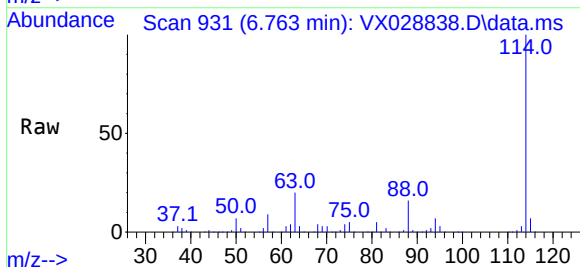
Tgt Ion: 114 Resp: 452783

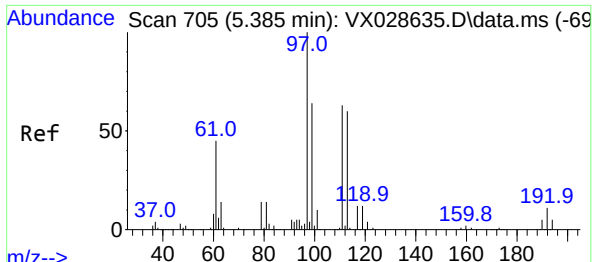
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.8

88 15.9 0.0 32.4

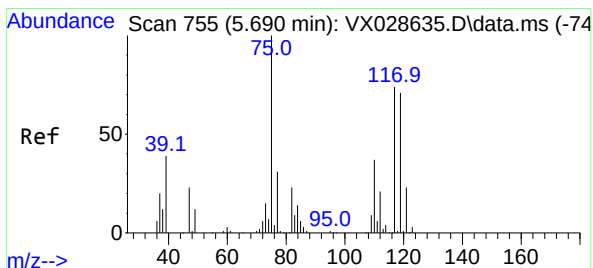
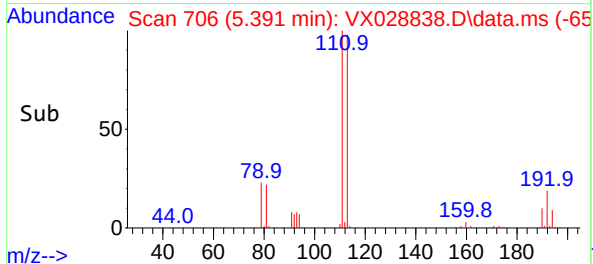
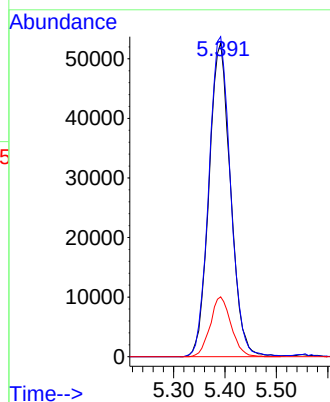
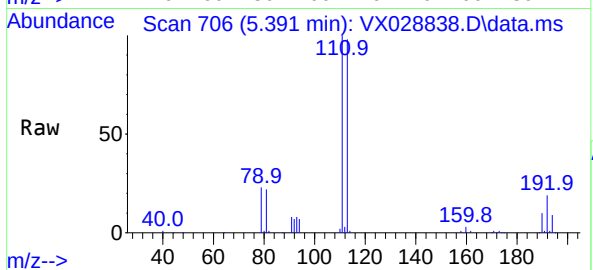




#35
Dibromofluoromethane
Concen: 51.563 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

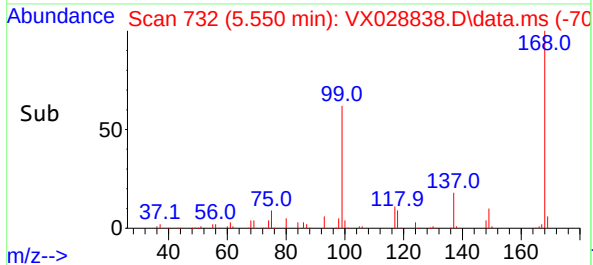
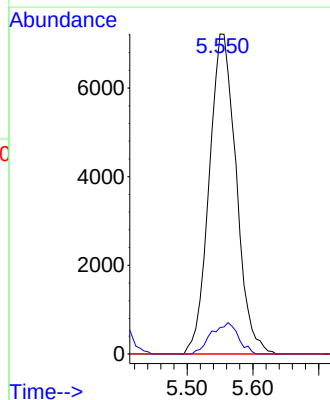
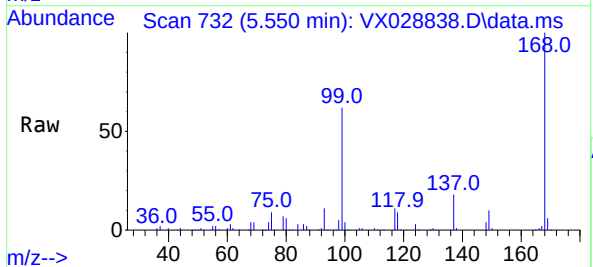
Instrument :
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MW-37

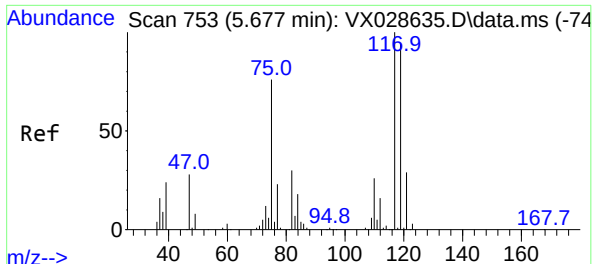
Tgt Ion:113 Resp: 152964
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

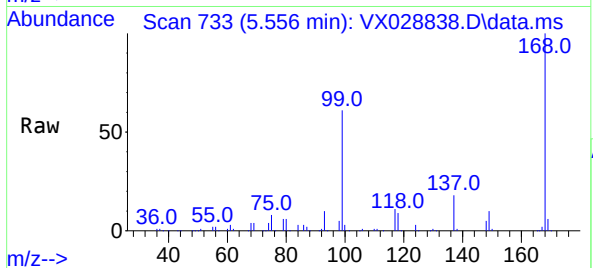
Tgt Ion: 75 Resp: 20597
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



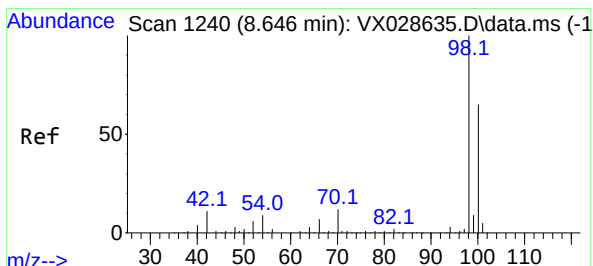
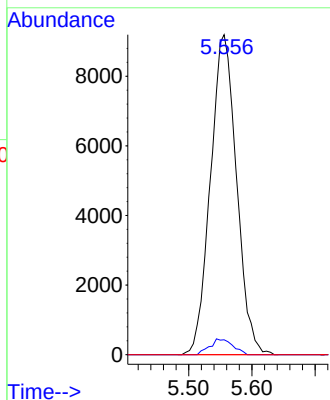
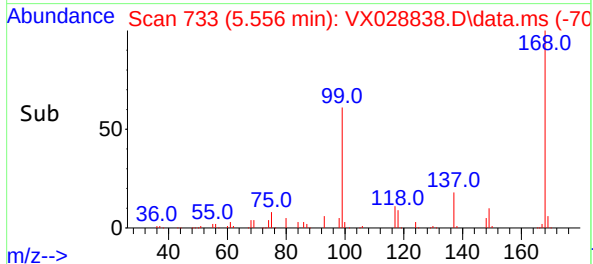


#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Instrument :
MSVOA_X
ClientSampleId :
MW-37

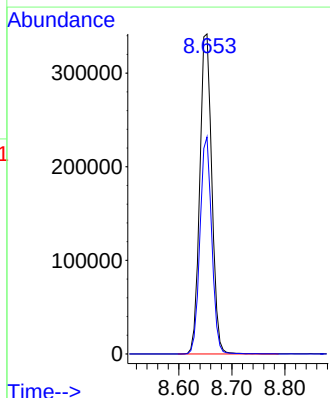
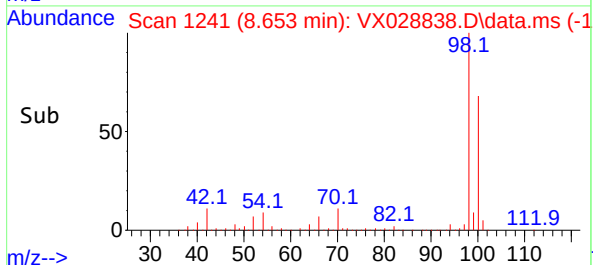
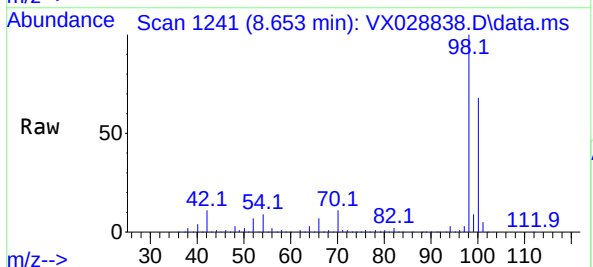


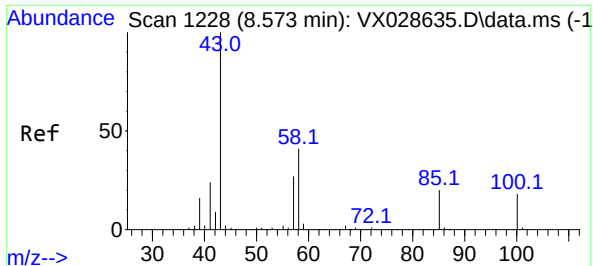
Tgt Ion:117 Resp: 26358
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.208 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Tgt Ion: 98 Resp: 539179
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.494 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

Instrument :

MSVOA_X

ClientSampleId :

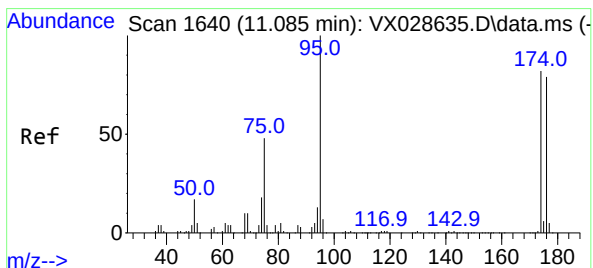
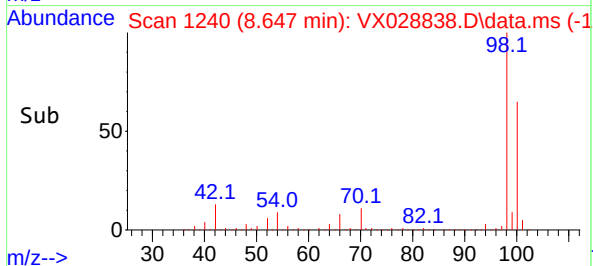
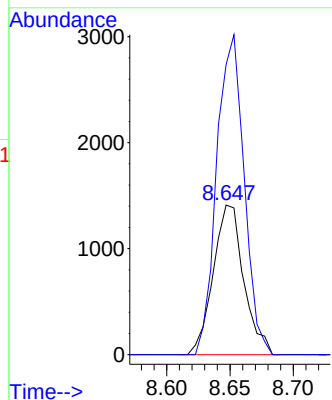
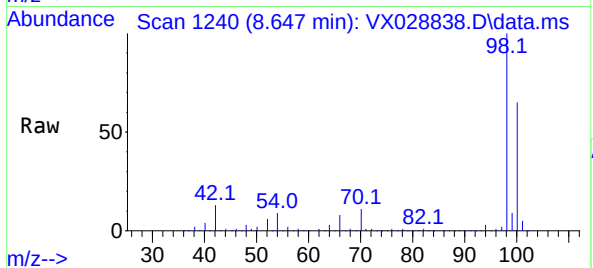
MW-37

Tgt Ion: 43 Resp: 2371

Ion Ratio Lower Upper

43 100

58 191.7 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 54.500 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.001 min

Lab File: VX028838.D

Acq: 19 May 2022 20:12

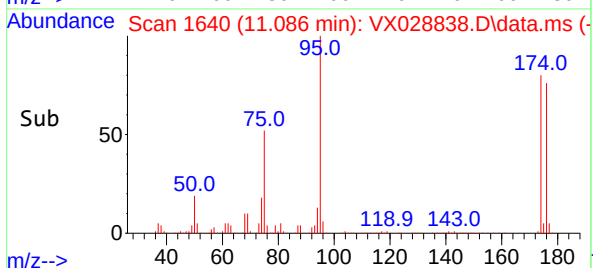
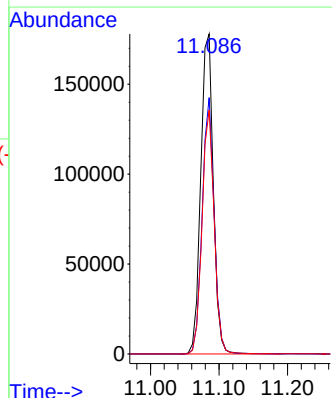
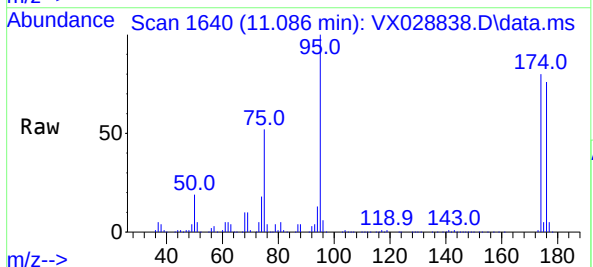
Tgt Ion: 95 Resp: 227675

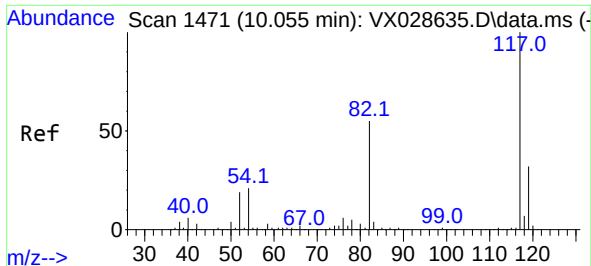
Ion Ratio Lower Upper

95 100

174 76.2 0.0 163.0

176 73.5 0.0 155.0

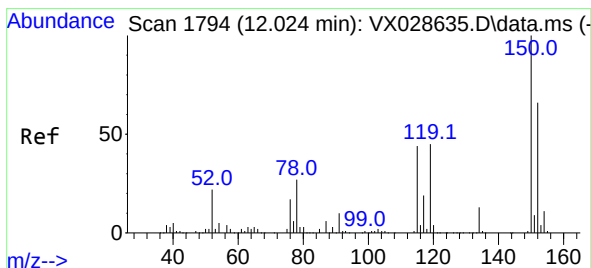
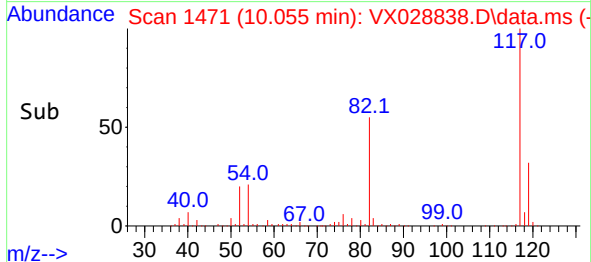
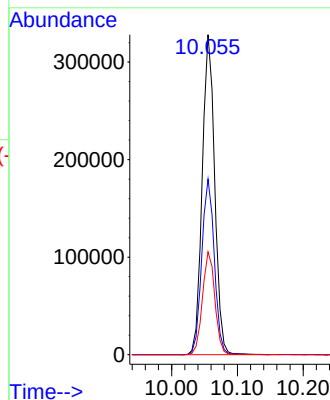
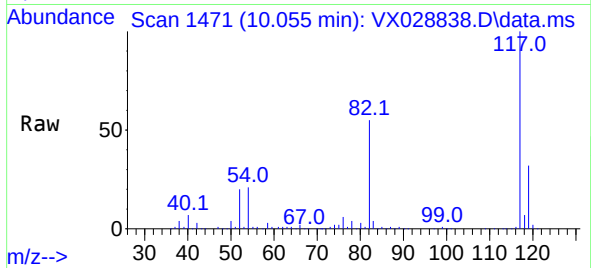




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

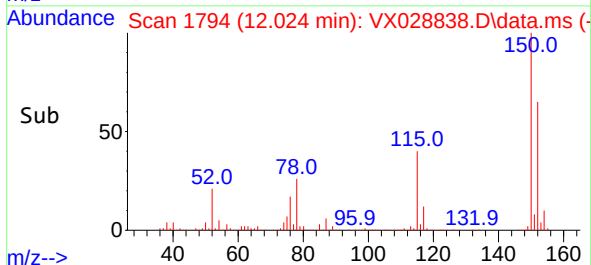
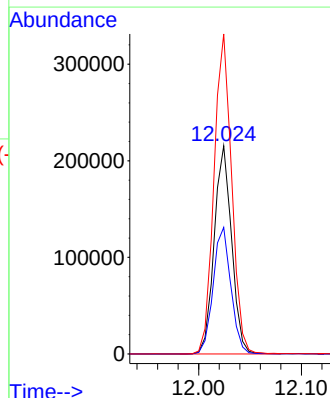
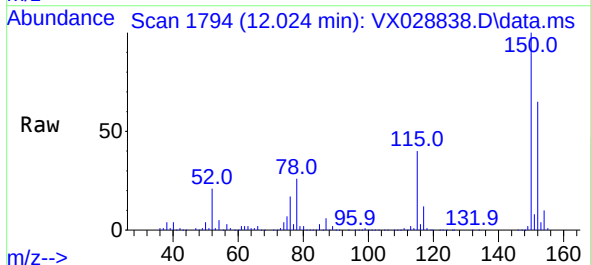
Instrument :
MSVOA_X
ClientSampleId :
MW-37

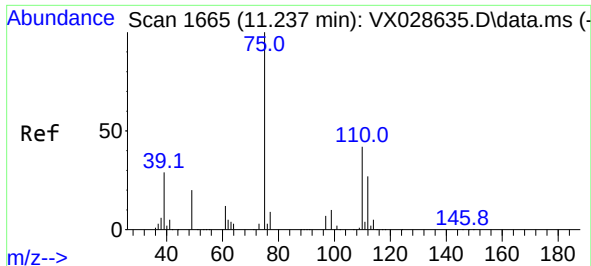
Tgt Ion:117 Resp: 433192
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Tgt Ion:152 Resp: 254050
Ion Ratio Lower Upper
152 100
115 62.0 37.5 112.7
150 156.0 0.0 338.2

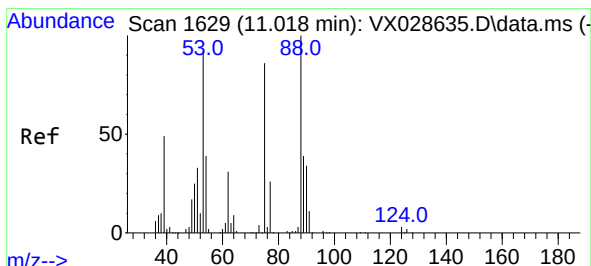
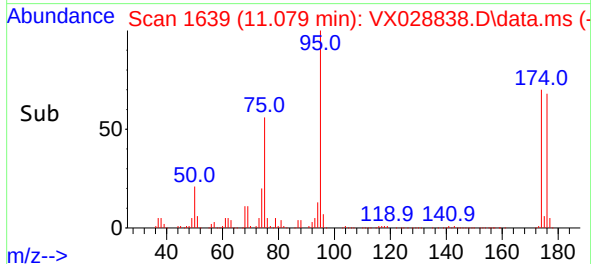
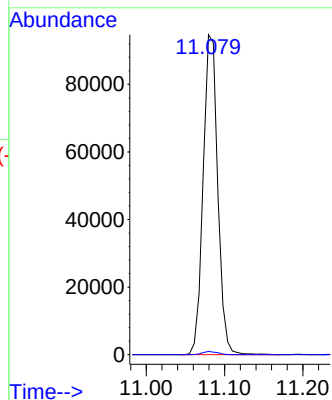
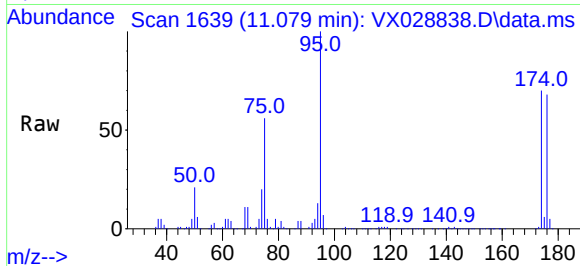




#76
1,2,3-Trichloropropane
Concen: 20.559 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Instrument :
MSVOA_X
ClientSampleId :
MW-37

Tgt Ion: 75 Resp: 122316
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.454 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028838.D
Acq: 19 May 2022 20:12

Tgt Ion: 75 Resp: 122316
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

