

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101422\
 Data File : VX032136.D
 Acq On : 14 Oct 2022 15:53
 Operator : JC/MD
 Sample : N5145-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-101322

Quant Time: Oct 17 02:25:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

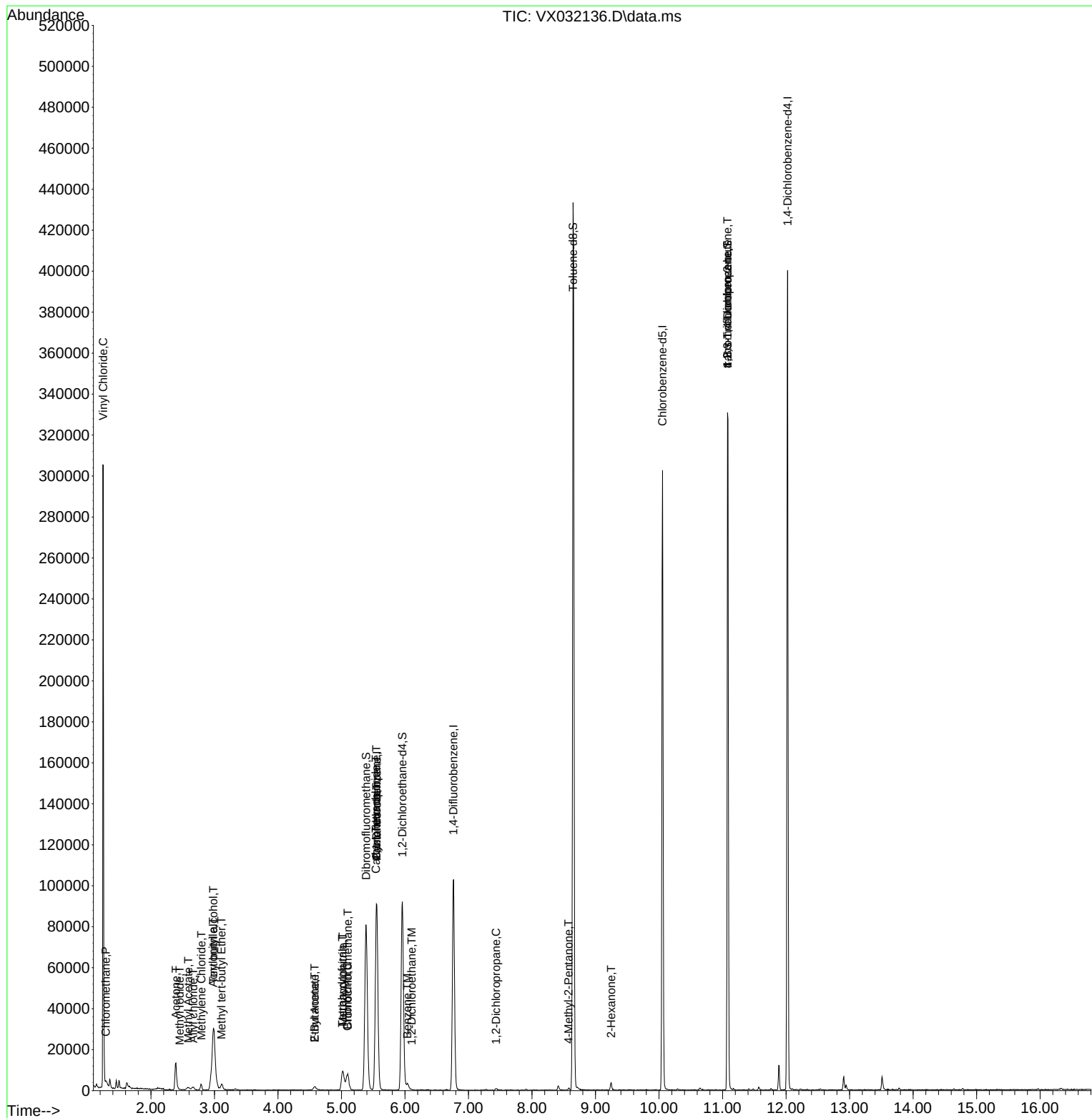
Internal Standards						
1) Pentafluorobenzene	5.556	168	82915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	104094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90244	52.701	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.400%	
35) Dibromofluoromethane	5.385	113	68956	58.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.040%	
50) Toluene-d8	8.647	98	250384	59.055	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 118.100%#	
62) 4-Bromofluorobenzene	11.079	95	88191	58.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.680%	
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	534	0.413	ug/l	97
4) Vinyl Chloride	1.246	62	2090	1.384	ug/l #	43
5) Bromomethane	1.617	94	862	Below Cal		82
10) Methyl Iodide	2.453	142	172	2.871	ug/l #	74
11) Tert butyl alcohol	2.983	59	48900	229.526	ug/l	98
14) Allyl chloride	2.666	41	1816	1.011	ug/l #	44
15) Acrylonitrile	2.977	53	802	1.181	ug/l #	29
16) Acetone	2.392	43	15035	25.835	ug/l	96
18) Methyl Acetate	2.587	43	784	0.408	ug/l #	52
19) Methyl tert-butyl Ether	3.111	73	2534	0.598	ug/l	99
20) Methylene Chloride	2.794	84	1230	0.804	ug/l	88
25) 2-Butanone	4.574	43	1465	1.610	ug/l #	85
28) Bromochloromethane	5.098	49	869	0.838	ug/l #	15
29) Tetrahydrofuran	5.013	42	9270	15.792	ug/l	99
30) Chloroform	5.092	83	9201	3.411	ug/l	94
31) Cyclohexane	5.550	56	2126	1.039	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	7505	4.803	ug/l #	50
37) Ethyl Acetate	4.574	43	1465	0.996	ug/l #	68
38) Carbon Tetrachloride	5.544	117	9073	5.679	ug/l #	18
40) Benzene	6.037	78	3662	0.800	ug/l	93
41) Methacrylonitrile	5.019	41	5714	7.470	ug/l #	48
42) 1,2-Dichloroethane	6.104	62	481	0.289	ug/l #	75
45) 1,2-Dichloropropane	7.433	63	417	0.371	ug/l #	41
51) 4-Methyl-2-Pentanone	8.573	43	658	0.445	ug/l #	71
59) 2-Hexanone	9.244	43	2335	2.141	ug/l	70
76) 1,2,3-Trichloropropane	11.079	75	49255	31.260	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	49255	106.548	ug/l #	11

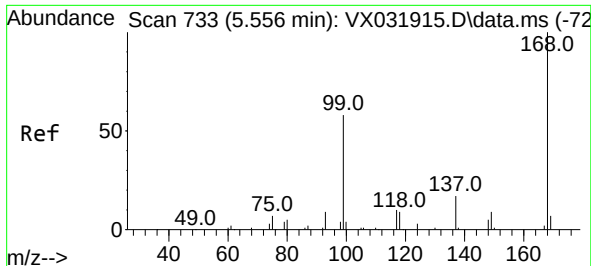
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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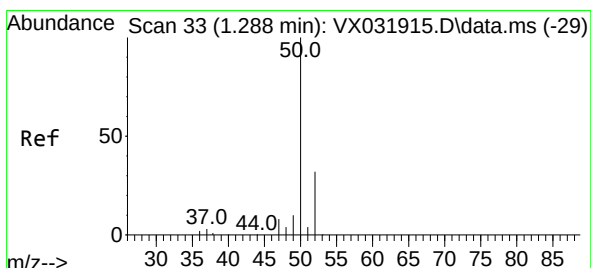
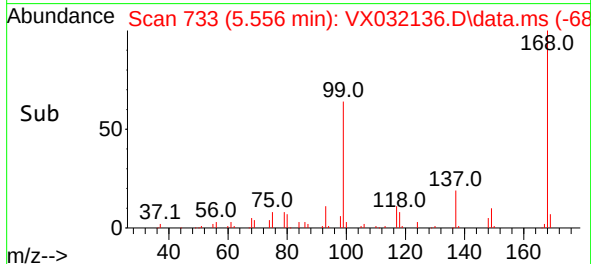
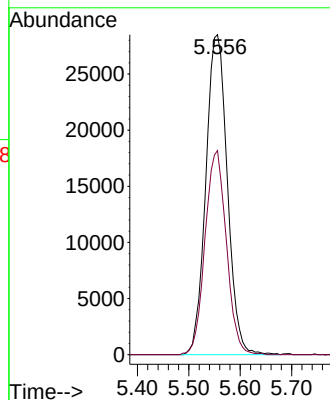
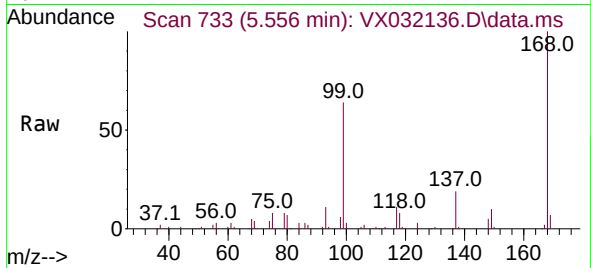




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

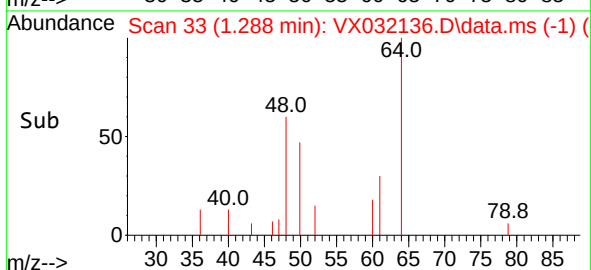
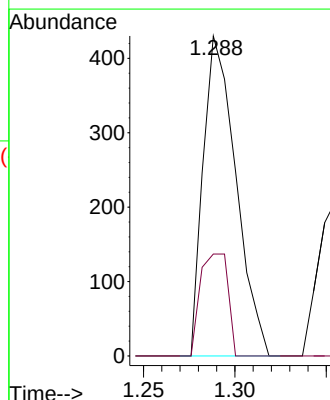
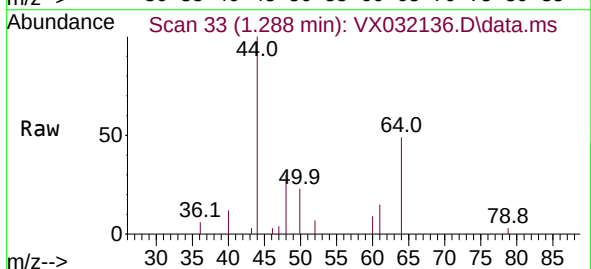
Instrument :
MSVOA_X
ClientSampleId :
MW-8-101322

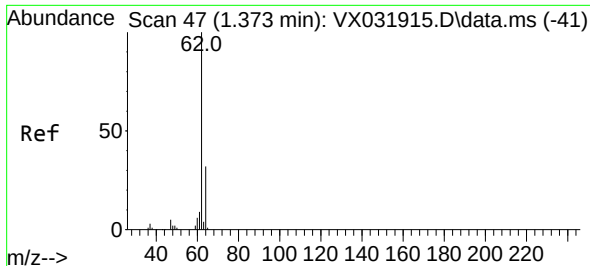
Tgt Ion:168 Resp: 82915
Ion Ratio Lower Upper
168 100
99 63.8 48.8 73.2



#3
Chloromethane
Concen: 0.413 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 31.9 26.9 40.3

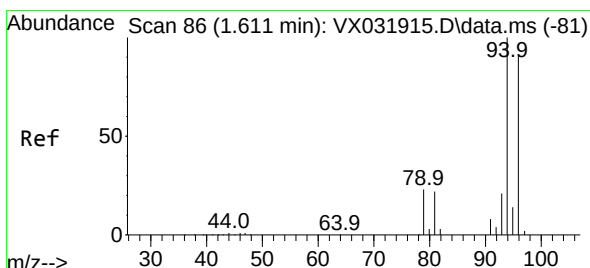
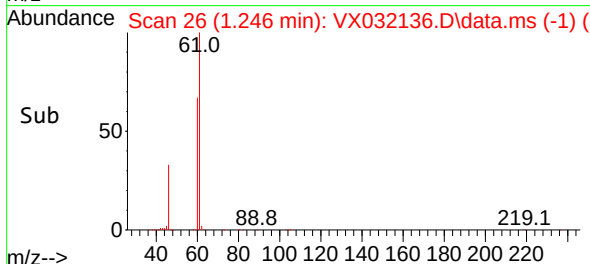
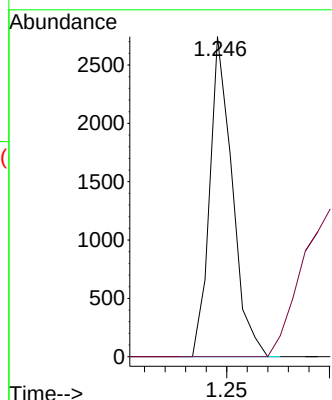
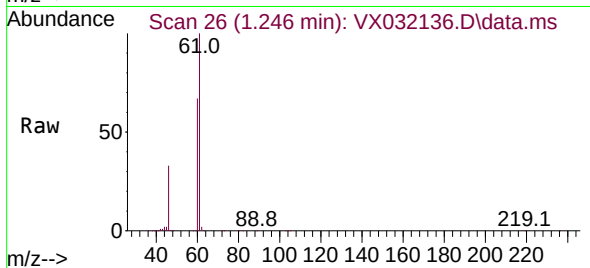




#4
 Vinyl Chloride
 Concen: 1.384 ug/l
 RT: 1.246 min Scan# 20
 Delta R.T. -0.127 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

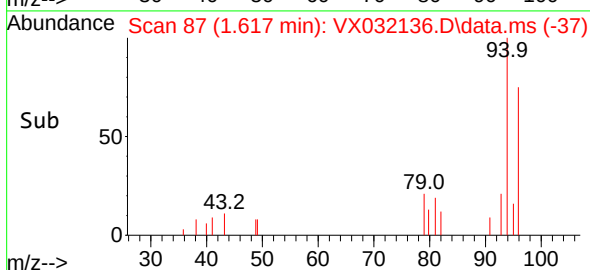
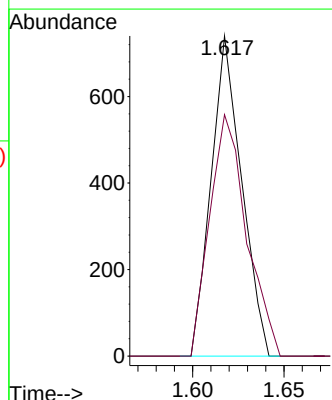
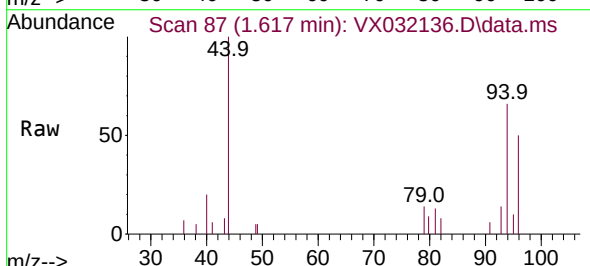
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-101322

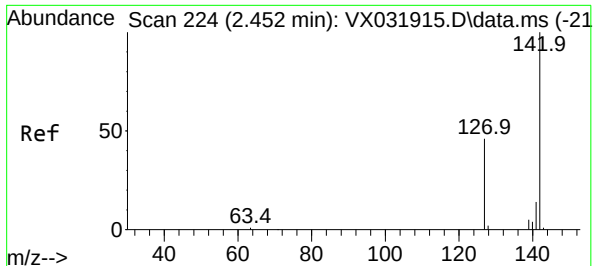
Tgt Ion: 62 Resp: 2090
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.3 37.9#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.006 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

Tgt Ion: 94 Resp: 862
 Ion Ratio Lower Upper
 94 100
 96 75.4 74.4 111.6

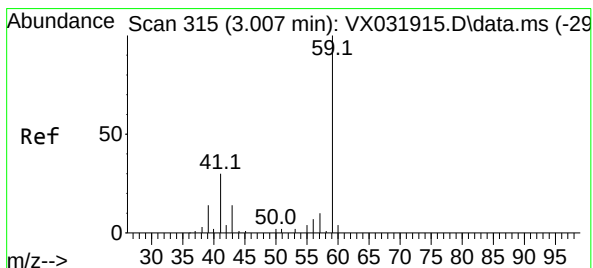
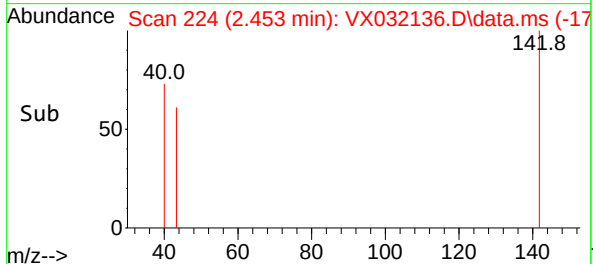
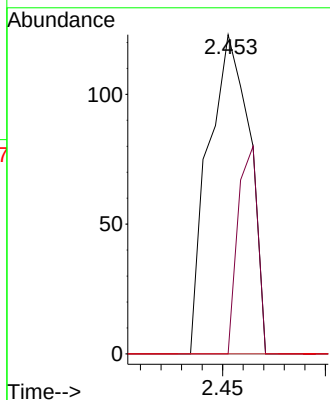
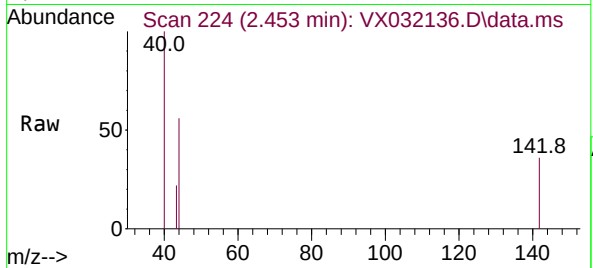




#10
Methyl Iodide
Concen: 2.871 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

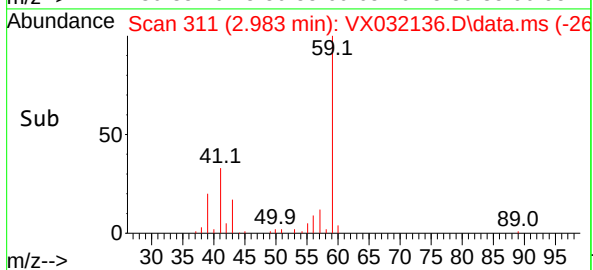
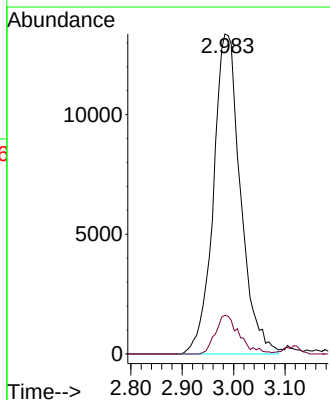
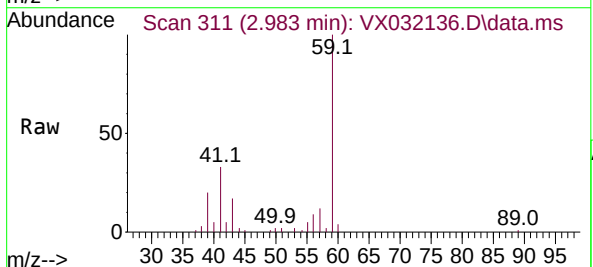
Instrument :
MSVOA_X
ClientSampleId :
MW-8-101322

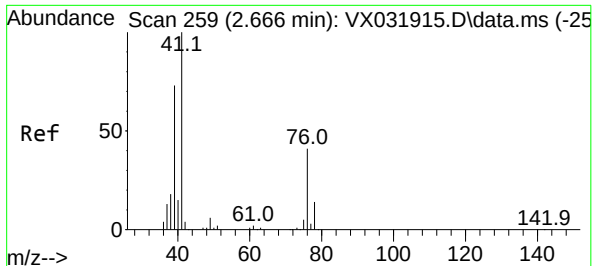
Tgt Ion:142 Resp: 172
Ion Ratio Lower Upper
142 100
127 31.4 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 229.526 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.024 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 59 Resp: 48900
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

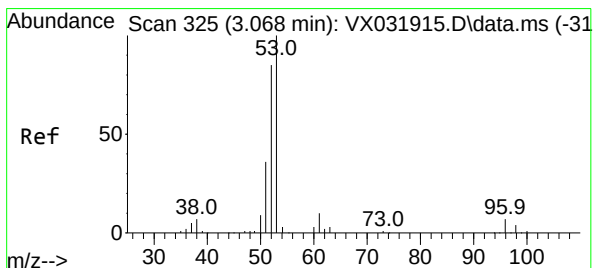
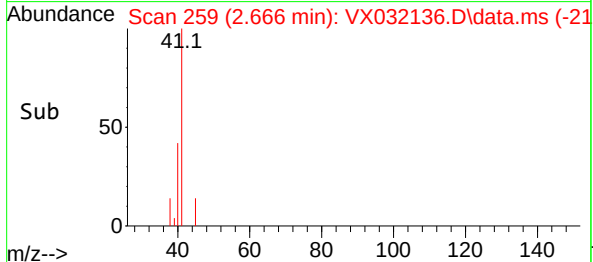
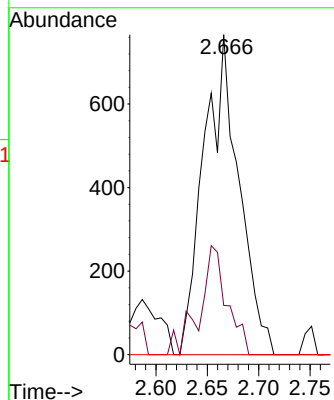
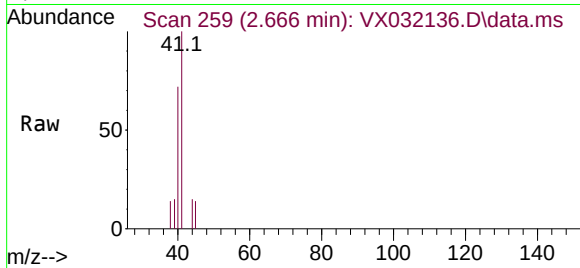




#14
 Allyl chloride
 Concen: 1.011 ug/l
 RT: 2.666 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

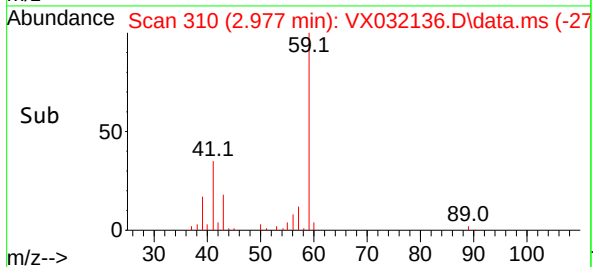
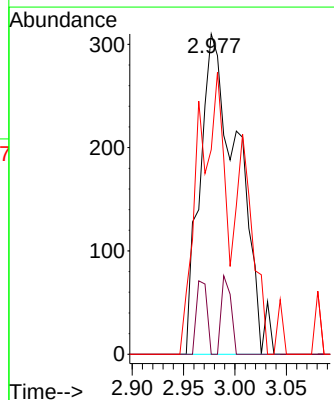
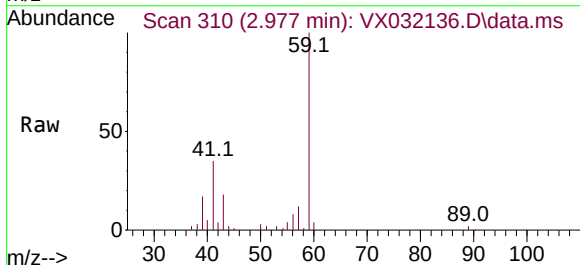
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-101322

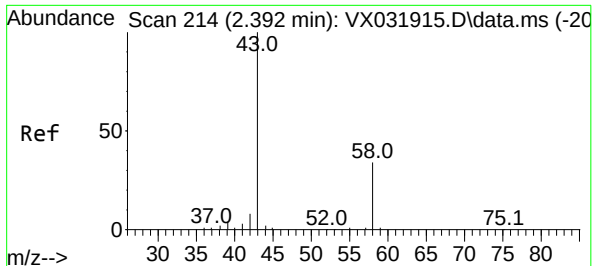
Tgt Ion: 41 Resp: 1816
 Ion Ratio Lower Upper
 41 100
 39 26.8 58.2 87.4#
 76 0.0 26.9 40.3#



#15
 Acrylonitrile
 Concen: 1.181 ug/l
 RT: 2.977 min Scan# 310
 Delta R.T. -0.091 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

Tgt Ion: 53 Resp: 802
 Ion Ratio Lower Upper
 53 100
 52 6.1 66.9 100.3#
 51 61.0 30.0 45.0#

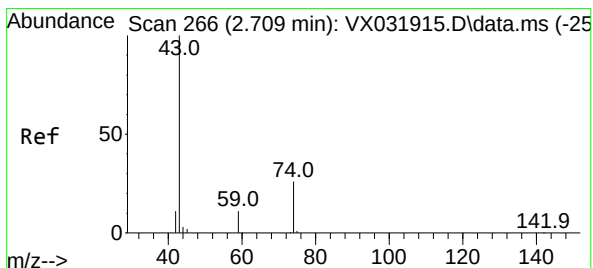
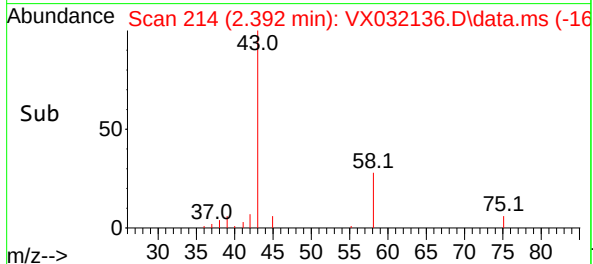
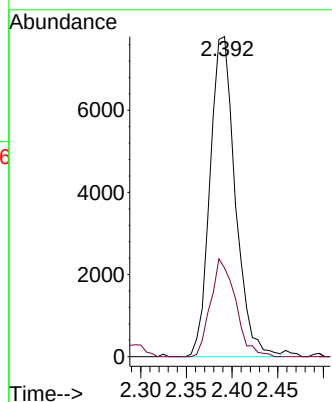
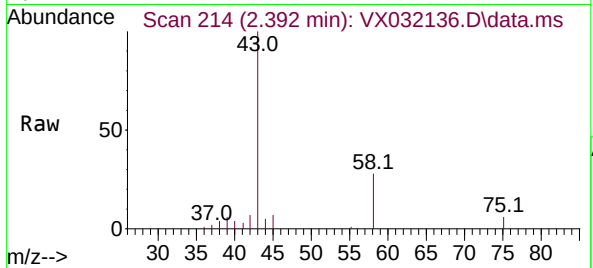




#16
Acetone
Concen: 25.835 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

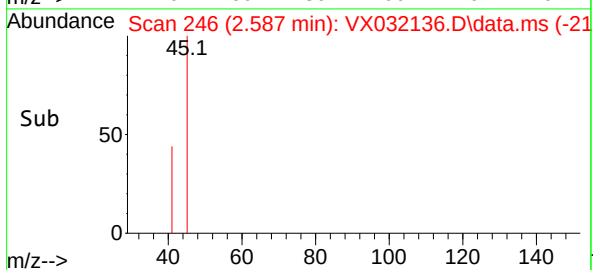
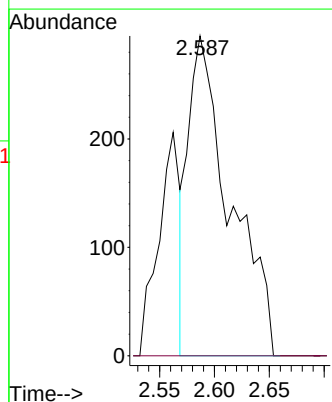
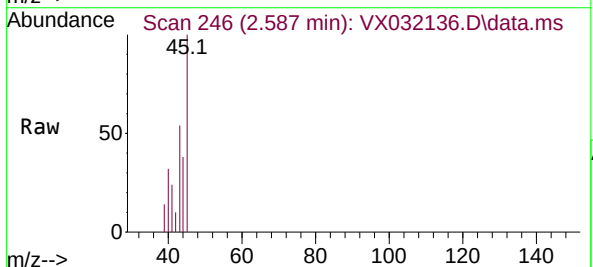
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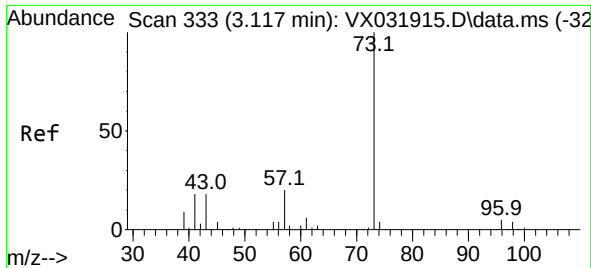
Tgt Ion: 43 Resp: 15035
Ion Ratio Lower Upper
43 100
58 27.7 23.8 35.8



#18
Methyl Acetate
Concen: 0.408 ug/l
RT: 2.587 min Scan# 246
Delta R.T. -0.122 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

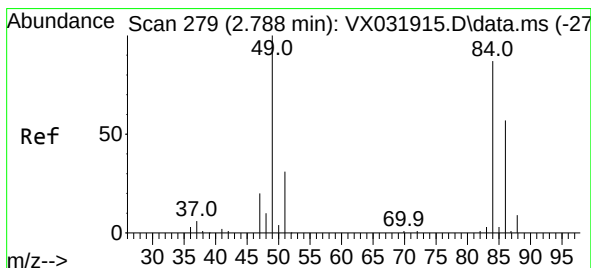
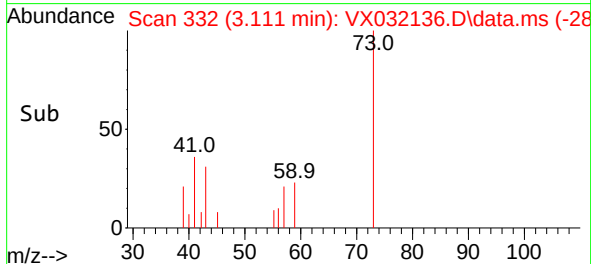
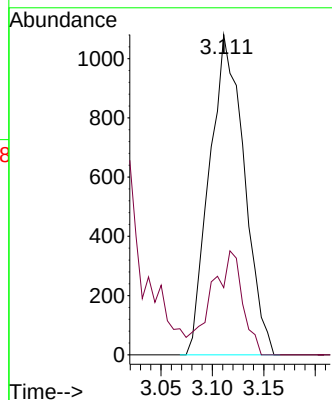
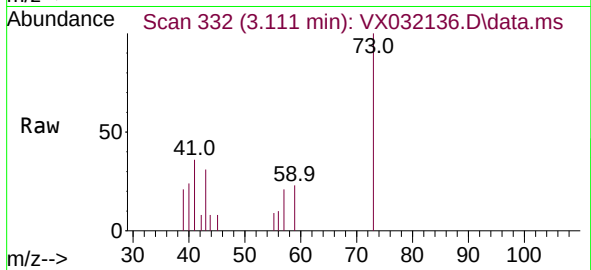




#19
Methyl tert-butyl Ether
Concen: 0.598 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

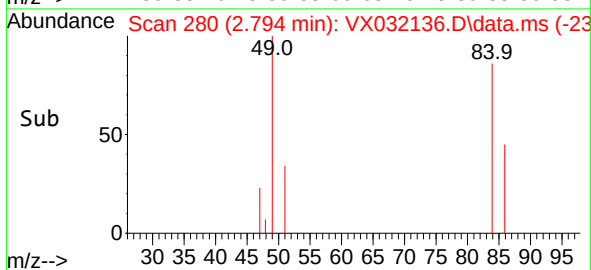
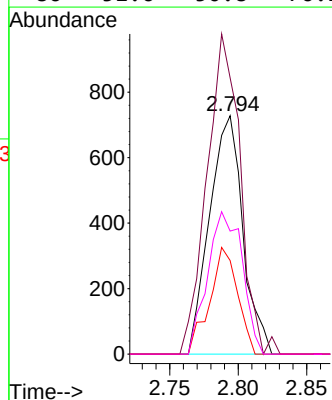
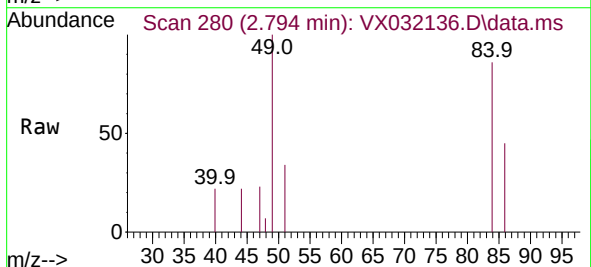
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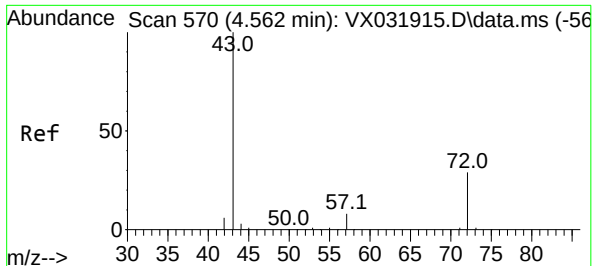
Tgt Ion: 73 Resp: 2534
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8



#20
Methylene Chloride
Concen: 0.804 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 84 Resp: 1230
Ion Ratio Lower Upper
84 100
49 115.9 105.9 158.9
51 39.3 32.2 48.2
86 51.6 50.8 76.2





#25

2-Butanone

Concen: 1.610 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

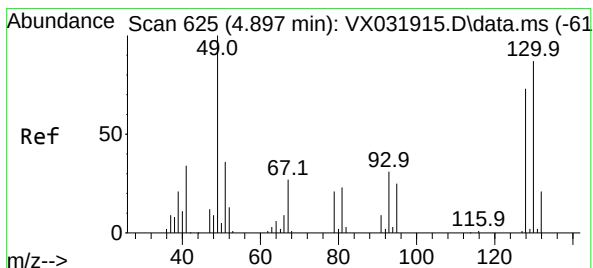
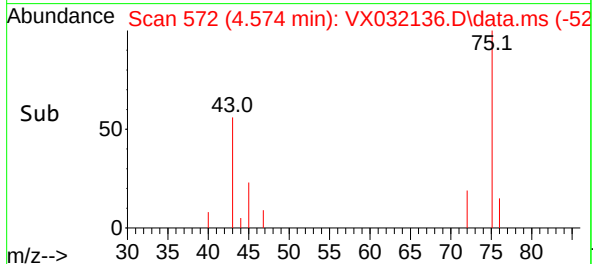
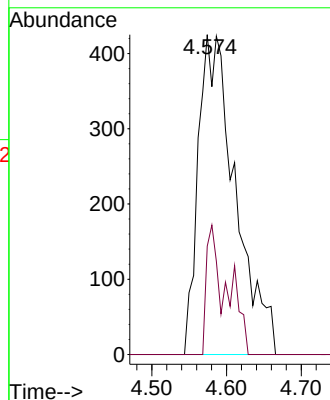
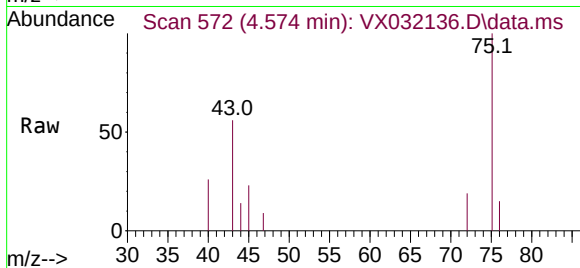
MW-8-101322

Tgt Ion: 43 Resp: 1465

Ion Ratio Lower Upper

43 100

72 33.9 21.1 31.7#



#28

Bromochloromethane

Concen: 0.838 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.201 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

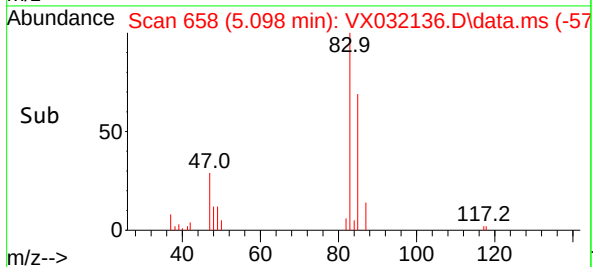
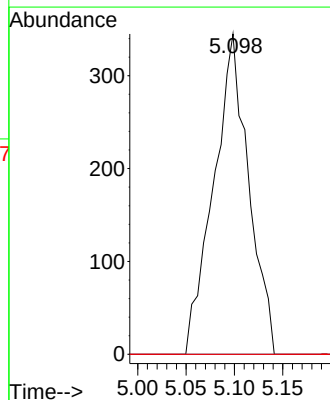
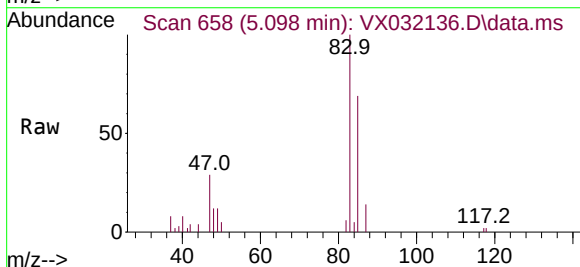
Tgt Ion: 49 Resp: 869

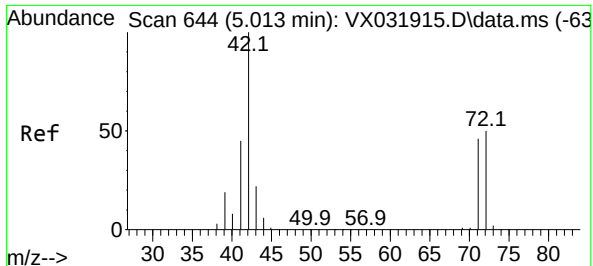
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 59.0 88.4#





#29

Tetrahydrofuran

Concen: 15.792 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

MW-8-101322

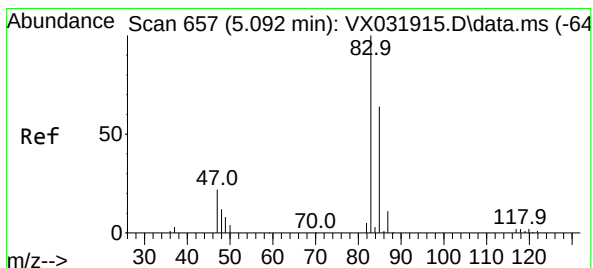
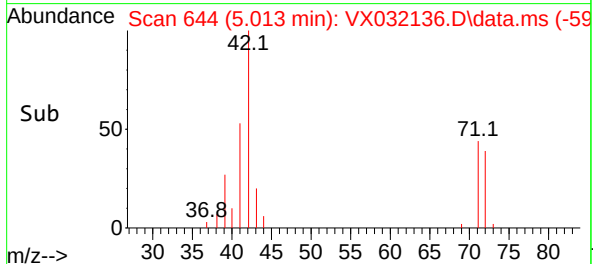
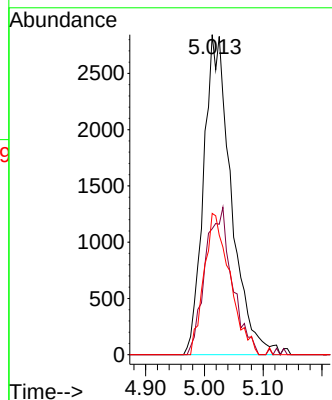
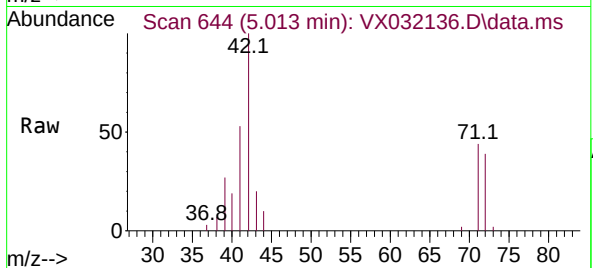
Tgt Ion: 42 Resp: 9270

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

71 41.6 33.5 50.3



#30

Chloroform

Concen: 3.411 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX032136.D

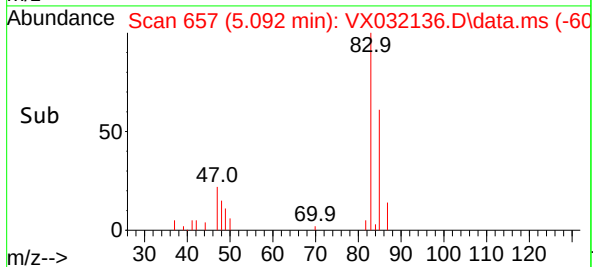
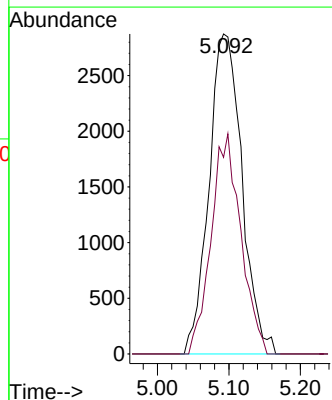
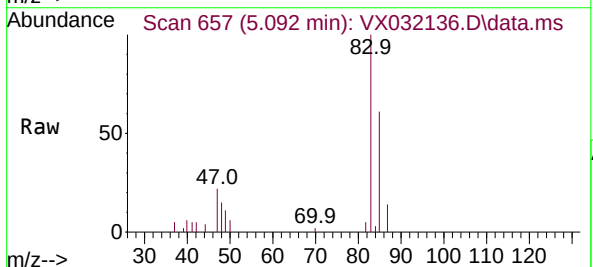
Acq: 14 Oct 2022 15:53

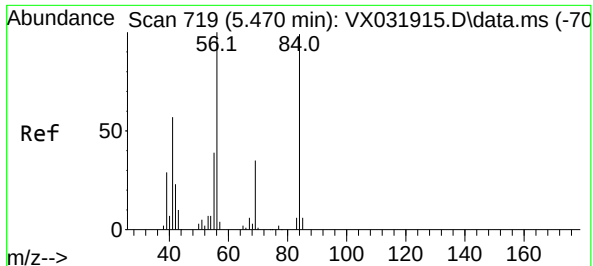
Tgt Ion: 83 Resp: 9201

Ion Ratio Lower Upper

83 100

85 61.4 52.8 79.2

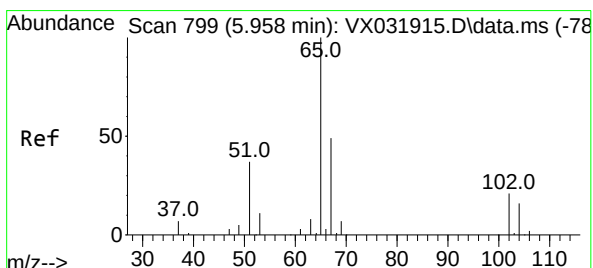
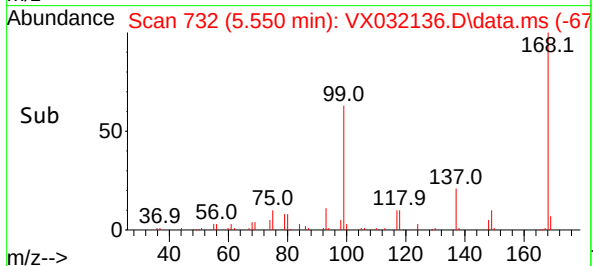
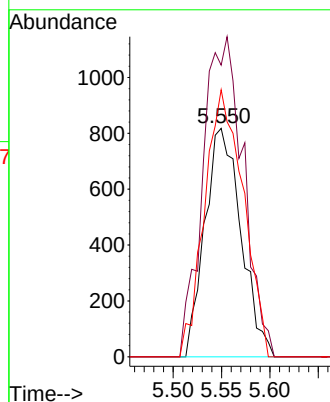
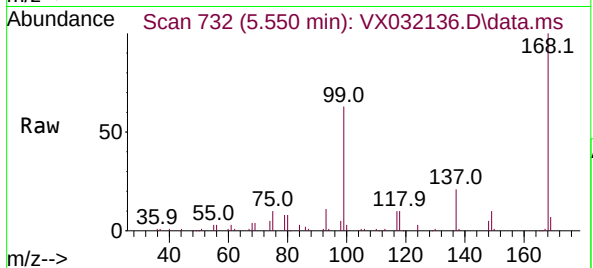




#31
Cyclohexane
Concen: 1.039 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

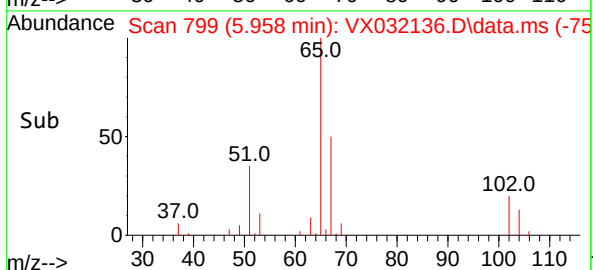
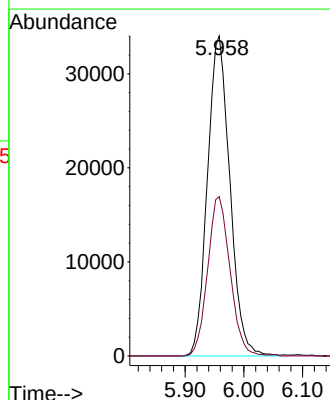
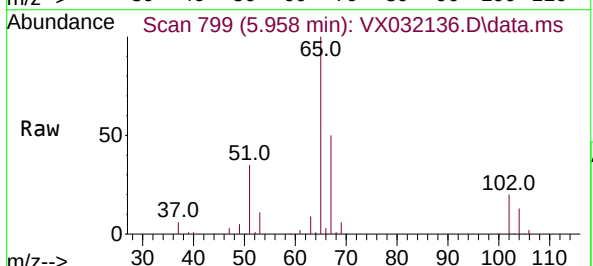
Instrument :
MSVOA_X
ClientSampleId :
MW-8-101322

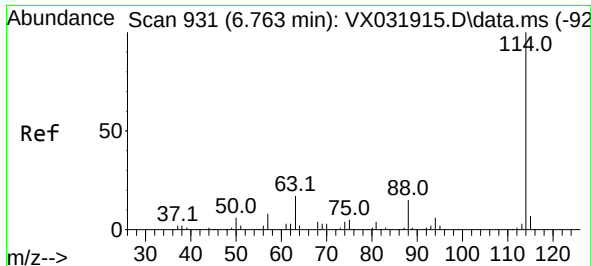
Tgt Ion: 56 Resp: 2126
Ion Ratio Lower Upper
56 100
69 127.6 25.1 37.7#
84 116.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 52.701 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 65 Resp: 90244
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.4

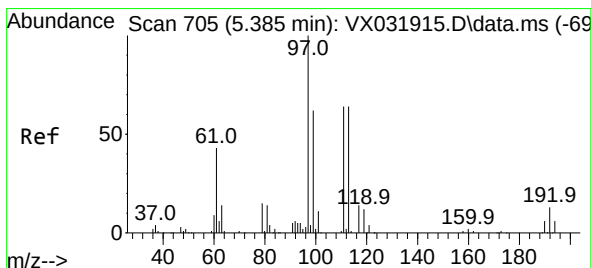
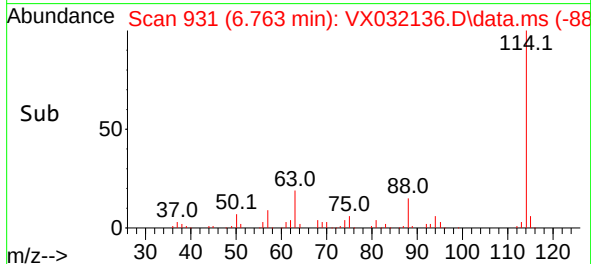
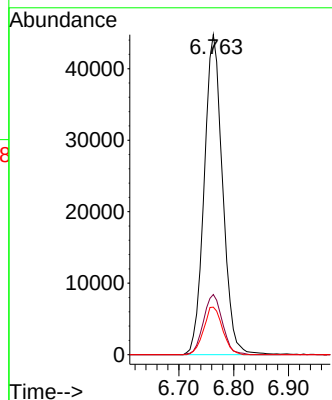
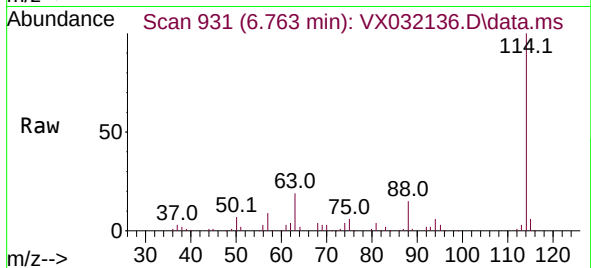




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

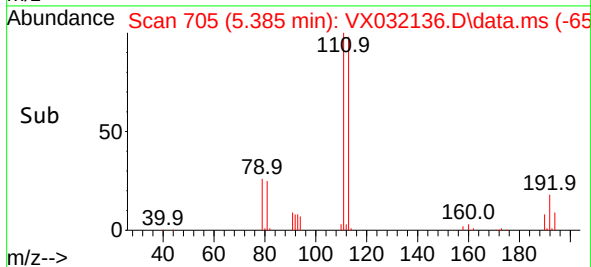
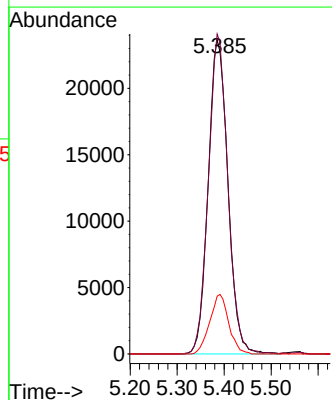
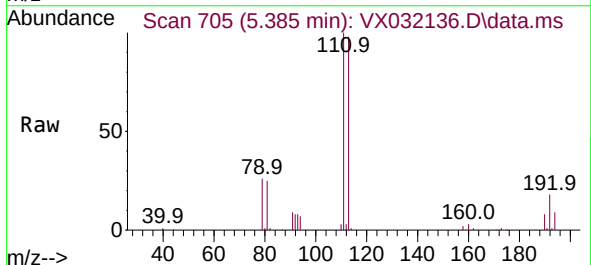
Instrument :
MSVOA_X
ClientSampleId :
MW-8-101322

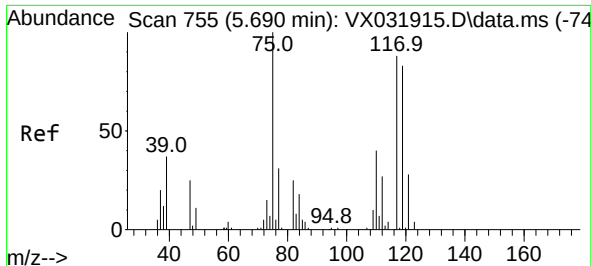
Tgt Ion:114 Resp: 104094
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.6
88 14.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 58.522 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion:113 Resp: 68956
Ion Ratio Lower Upper
113 100
111 100.2 82.4 123.6
192 18.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.803 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

MW-8-101322

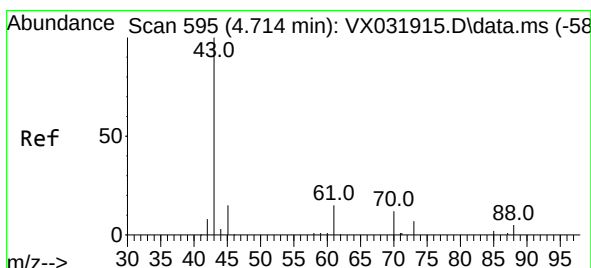
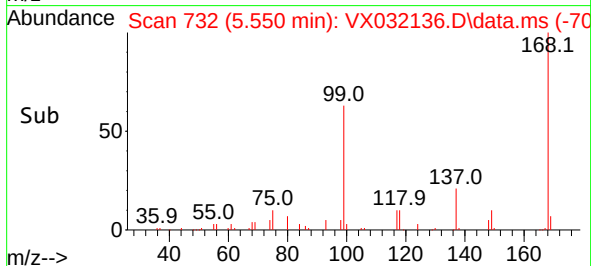
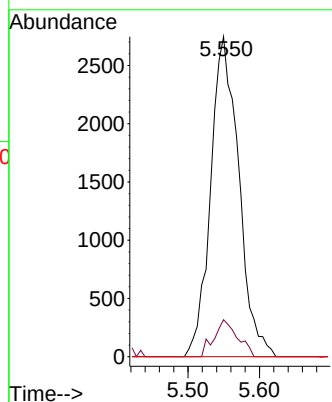
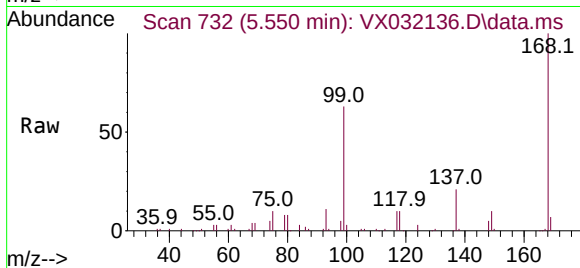
Tgt Ion: 75 Resp: 7505

Ion Ratio Lower Upper

75 100

110 9.7 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.996 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

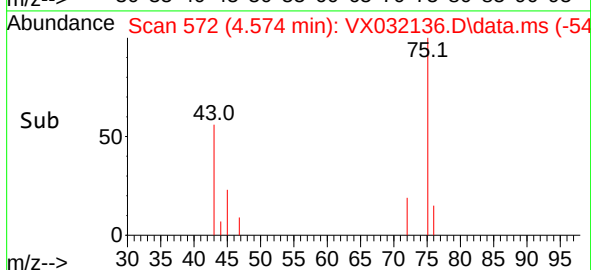
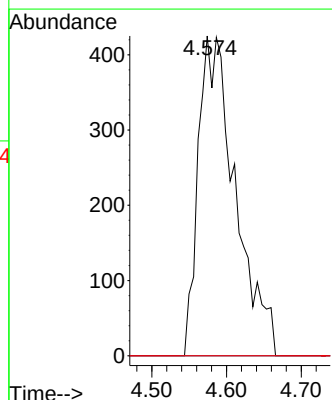
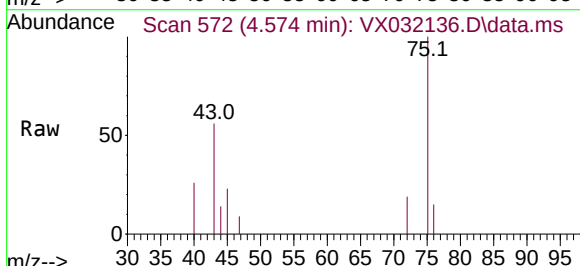
Tgt Ion: 43 Resp: 1465

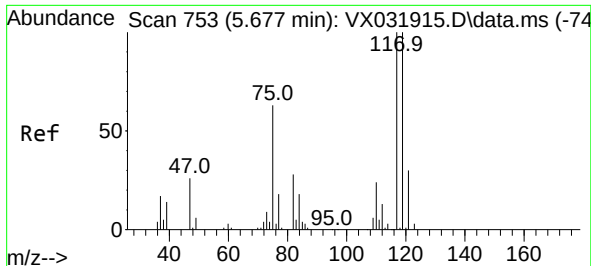
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.6 13.0#

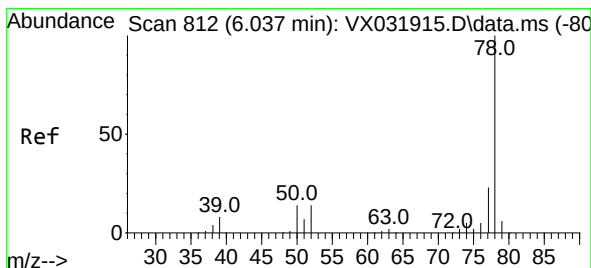
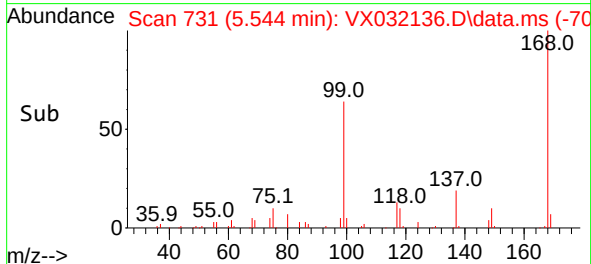
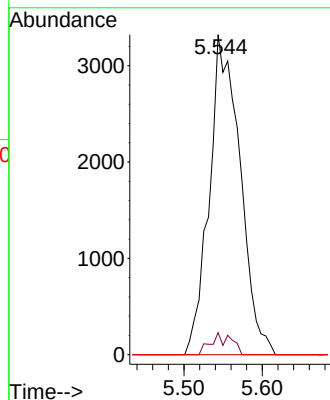
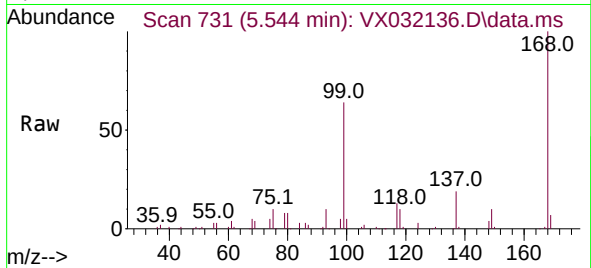




#38
Carbon Tetrachloride
Concen: 5.679 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.133 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

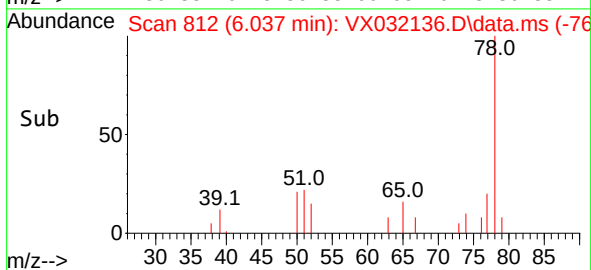
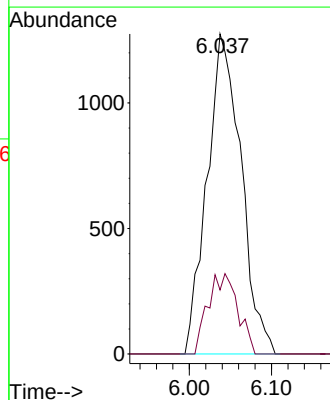
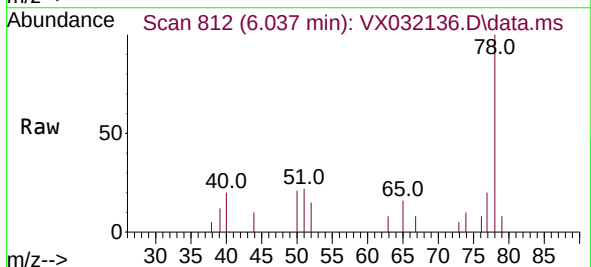
Instrument :
MSVOA_X
ClientSampleId :
MW-8-101322

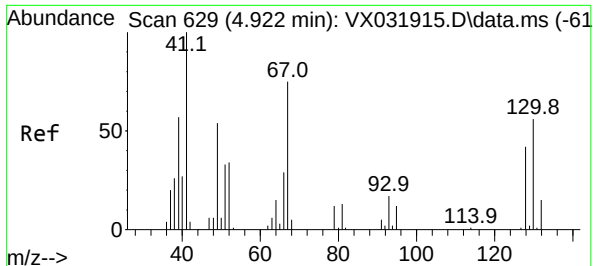
Tgt Ion:117 Resp: 9073
Ion Ratio Lower Upper
117 100
119 6.9 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 0.800 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 78 Resp: 3662
Ion Ratio Lower Upper
78 100
77 20.0 18.7 28.1

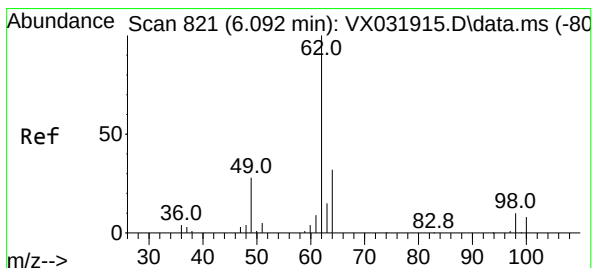
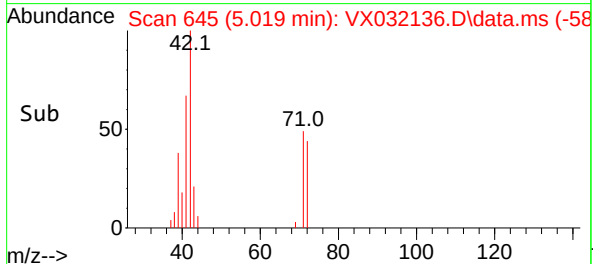
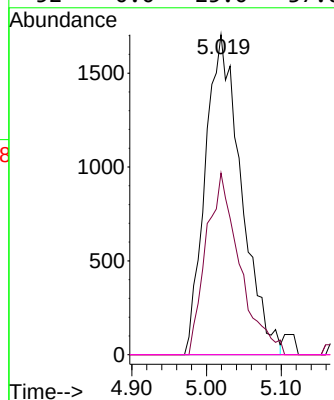
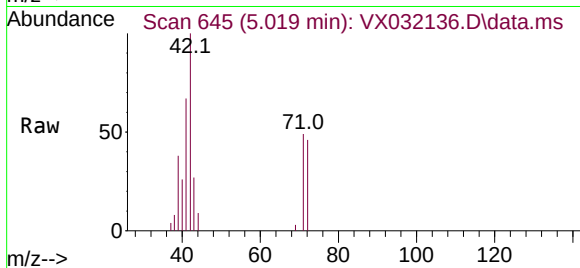




#41
Methacrylonitrile
Concen: 7.470 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

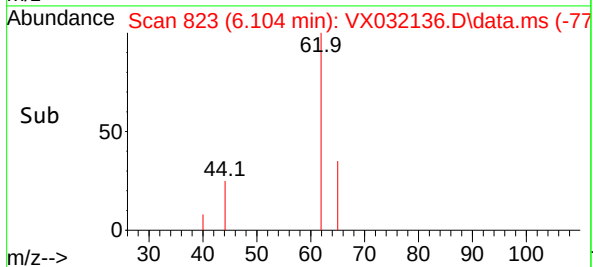
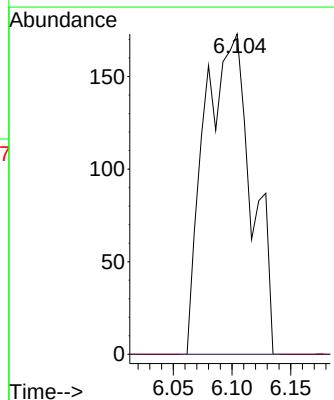
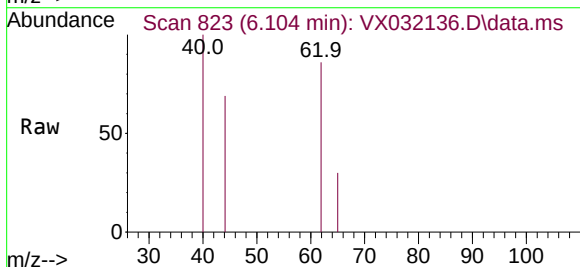
Instrument :
MSVOA_X
ClientSampleId :
MW-8-101322

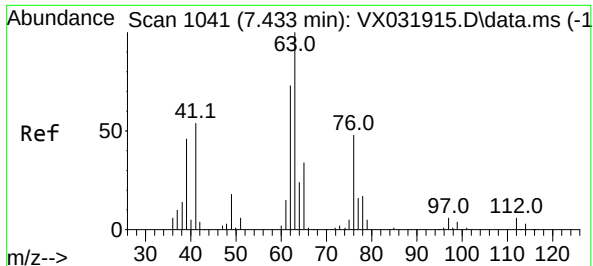
Tgt Ion: 41 Resp: 5714
Ion Ratio Lower Upper
41 100
39 53.0 45.0 67.6
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#



#42
1,2-Dichloroethane
Concen: 0.289 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.012 min
Lab File: VX032136.D
Acq: 14 Oct 2022 15:53

Tgt Ion: 62 Resp: 481
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.8





#45

1,2-Dichloropropane

Concen: 0.371 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

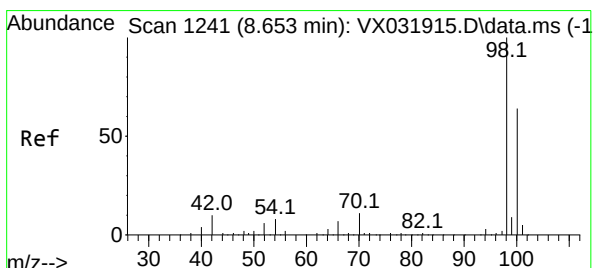
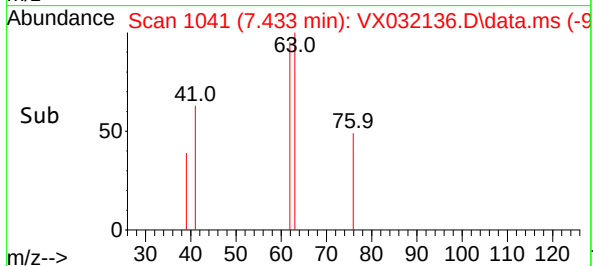
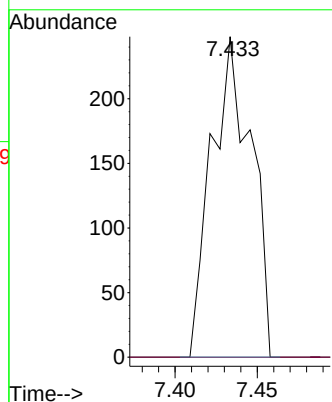
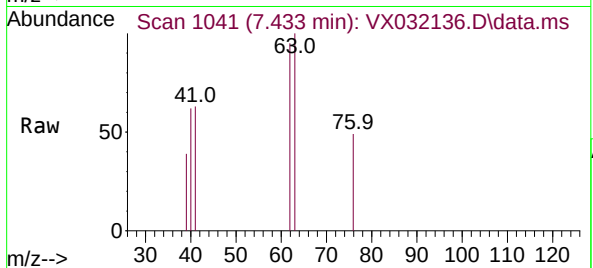
MW-8-101322

Tgt Ion: 63 Resp: 417

Ion Ratio Lower Upper

63 100

65 0.0 26.6 39.8#



#50

Toluene-d8

Concen: 59.055 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032136.D

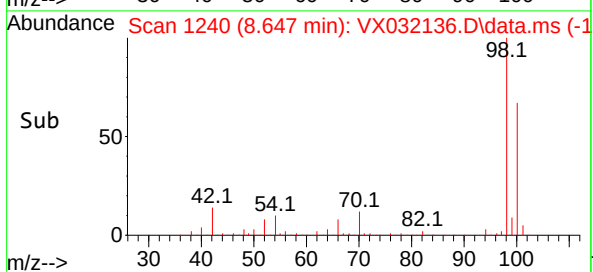
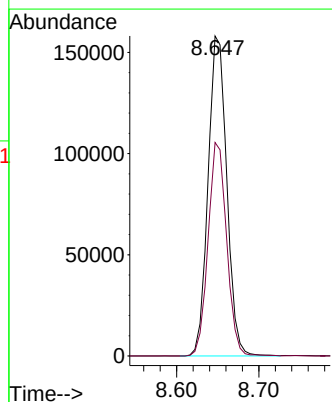
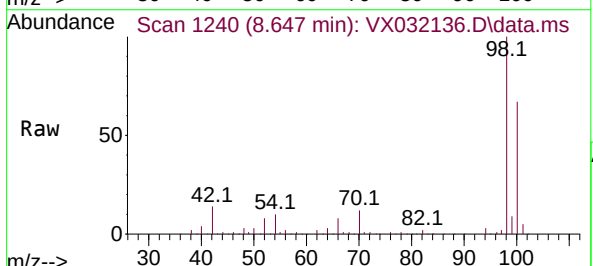
Acq: 14 Oct 2022 15:53

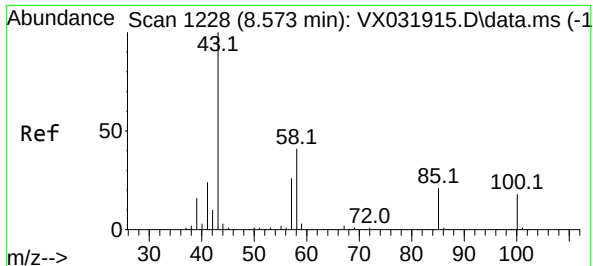
Tgt Ion: 98 Resp: 250384

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.445 ug/l

RT: 8.573 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

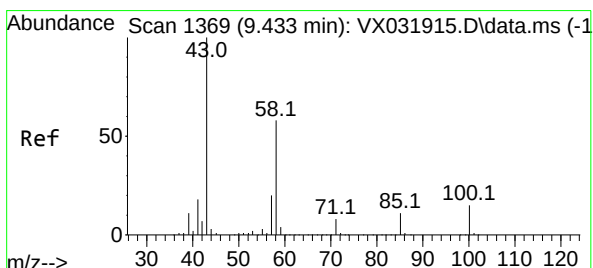
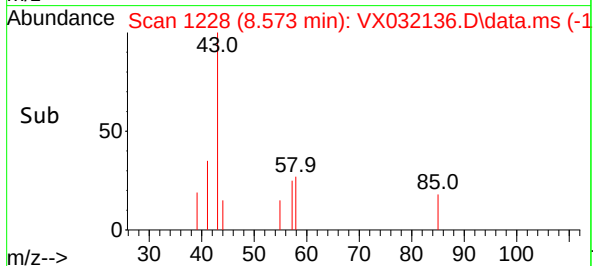
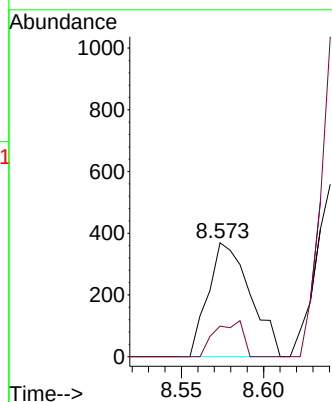
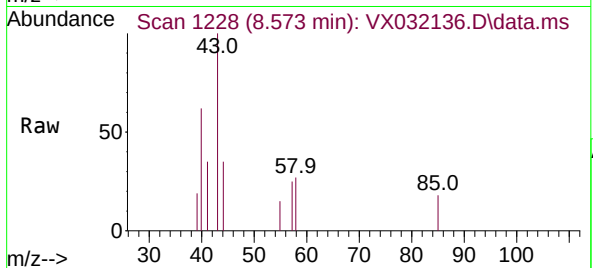
MW-8-101322

Tgt Ion: 43 Resp: 658

Ion Ratio Lower Upper

43 100

58 21.0 30.6 46.0#



#59

2-Hexanone

Concen: 2.141 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. -0.189 min

Lab File: VX032136.D

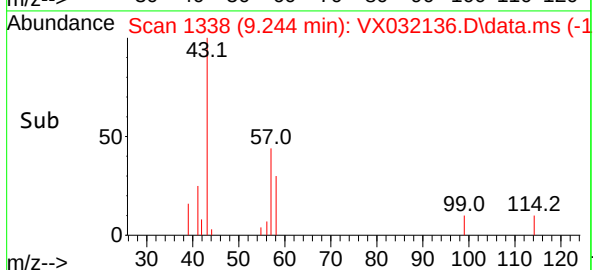
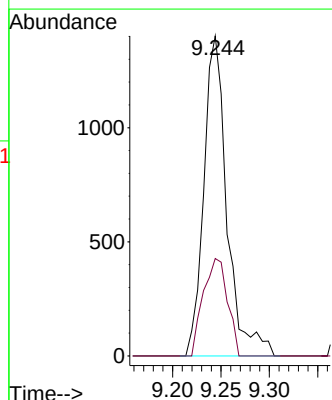
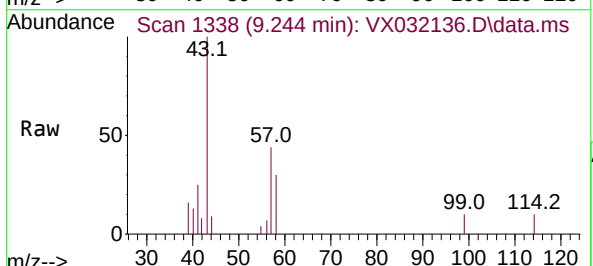
Acq: 14 Oct 2022 15:53

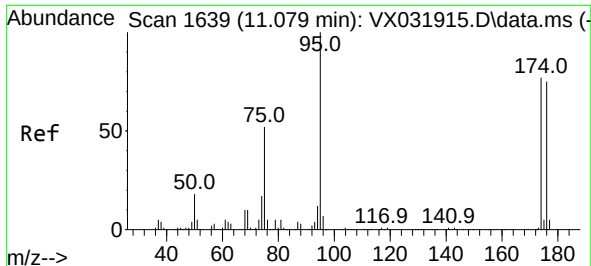
Tgt Ion: 43 Resp: 2335

Ion Ratio Lower Upper

43 100

58 31.9 26.7 80.0





#62

4-Bromofluorobenzene

Concen: 58.837 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

MW-8-101322

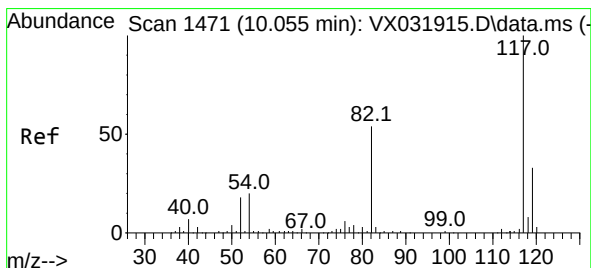
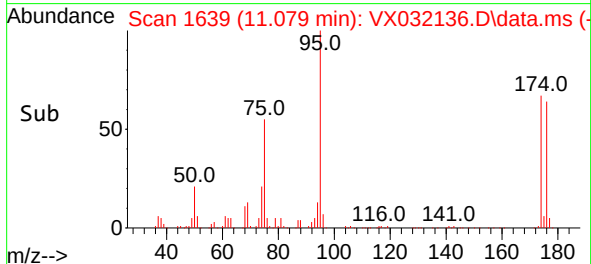
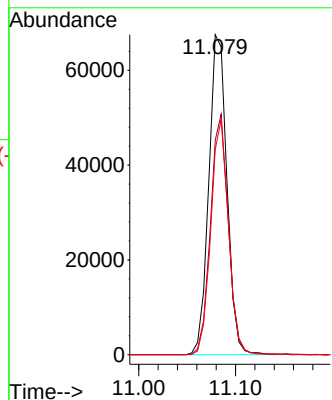
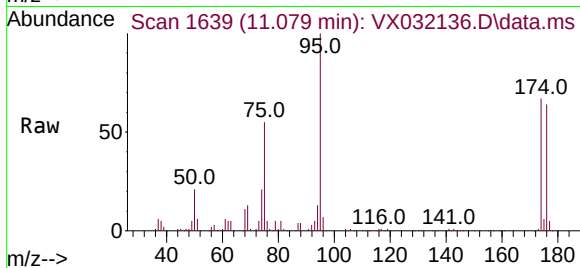
Tgt Ion: 95 Resp: 88191

Ion Ratio Lower Upper

95 100

174 74.0 0.0 153.2

176 71.2 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032136.D

Acq: 14 Oct 2022 15:53

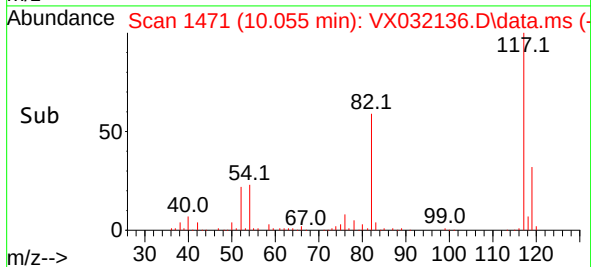
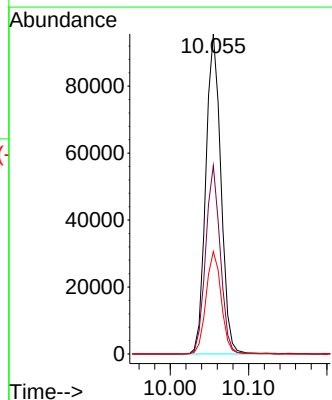
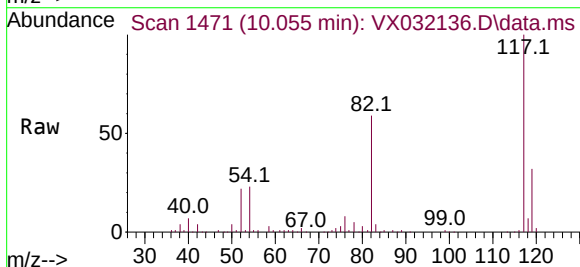
Tgt Ion: 117 Resp: 127677

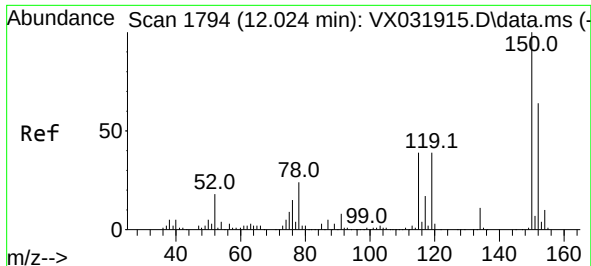
Ion Ratio Lower Upper

117 100

82 58.8 46.8 70.2

119 32.0 26.4 39.6

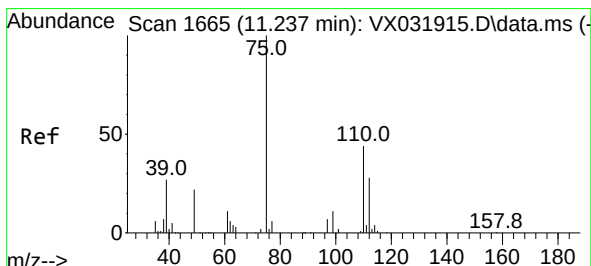
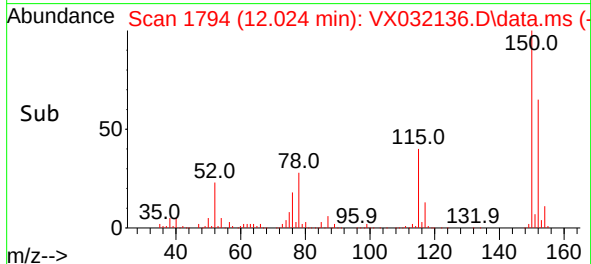
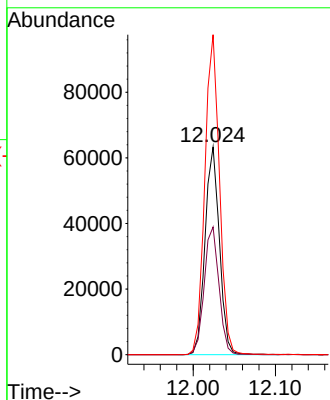
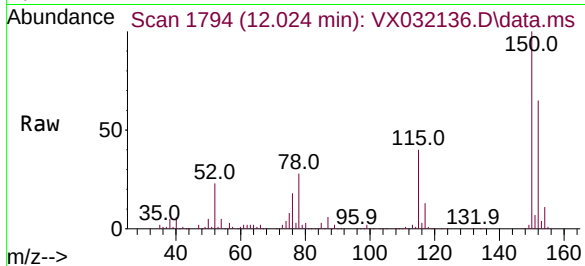




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

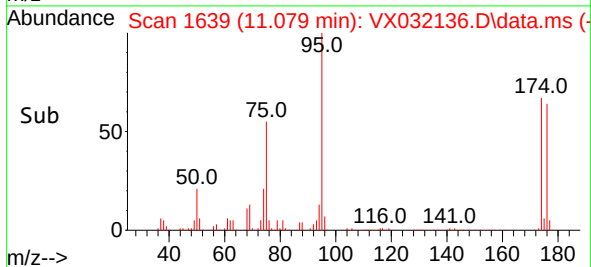
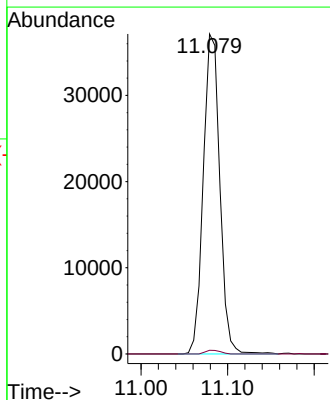
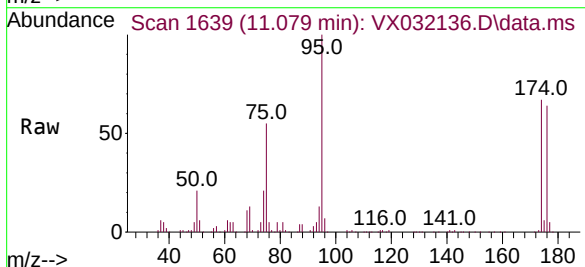
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-101322

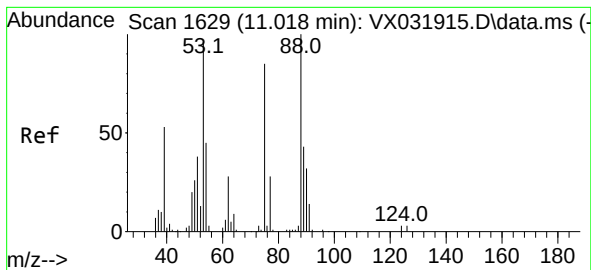
Tgt Ion:152 Resp: 76879
 Ion Ratio Lower Upper
 152 100
 115 63.3 43.4 130.1
 150 156.9 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 31.260 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

Tgt Ion: 75 Resp: 49255
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.548 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032136.D
 Acq: 14 Oct 2022 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-101322

Tgt Ion: 75 Resp: 49255
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

