

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031989.D
 Acq On : 08 Oct 2022 03:28
 Operator : JC/MD
 Sample : N4937-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-123

Quant Time: Oct 08 06:36:18 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

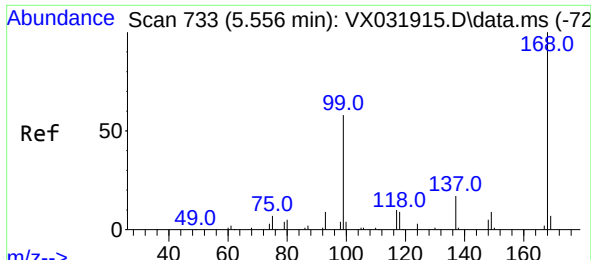
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	52949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	83868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59556	54.463	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	108.920%	
35) Dibromofluoromethane	5.391	113	48708	51.307	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.620%	
50) Toluene-d8	8.647	98	172764	50.574	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.140%	
62) 4-Bromofluorobenzene	11.079	95	58799	48.688	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	97.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	172	0.208	ug/l #	41
5) Bromomethane	1.611	94	305	Below Cal		87
6) Chloroethane	1.703	64	351	0.428	ug/l #	43
10) Methyl Iodide	2.453	142	83	2.843	ug/l #	38
11) Tert butyl alcohol	2.977	59	3824	28.107	ug/l #	73
13) Acrolein	2.203	56	22	Below Cal	#	15
15) Acrylonitrile	3.117	53	1311	3.023	ug/l #	23
16) Acetone	2.386	43	2133	5.739	ug/l	96
18) Methyl Acetate	2.782	43	446	0.364	ug/l #	52
19) Methyl tert-butyl Ether	3.111	73	98772	36.495	ug/l	99
31) Cyclohexane	5.544	56	1225	0.938	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	4242	3.370	ug/l #	44
38) Carbon Tetrachloride	5.556	117	5544	4.307	ug/l #	16
43) Isopropyl Acetate	6.336	43	458	0.255	ug/l #	43
48) Methyl methacrylate	7.903	41	1252	1.457	ug/l #	34
51) 4-Methyl-2-Pentanone	8.647	43	756	0.634	ug/l #	1
59) 2-Hexanone	9.464	43	639	0.727	ug/l	67
76) 1,2,3-Trichloropropane	11.079	75	30452	26.597	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30452	91.190	ug/l #	11

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

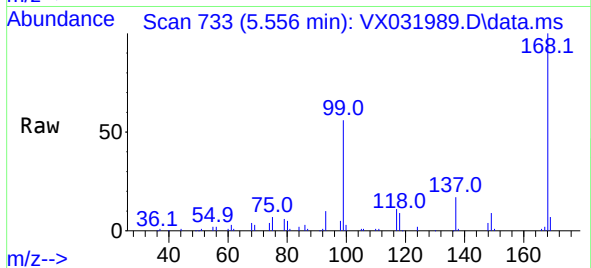
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Quant Title : SW846 8260
QLast Update : Thu Oct 06 14:28:46 2022
Response via : Initial Calibration



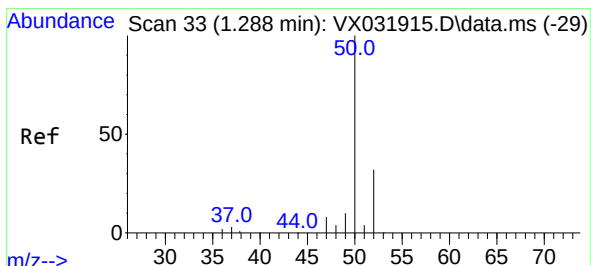
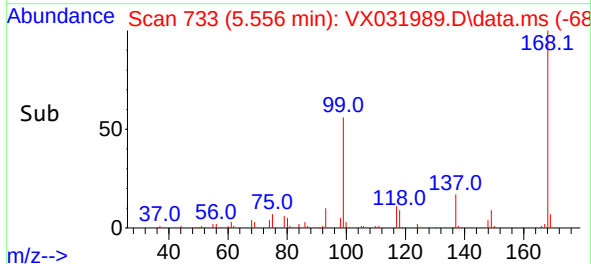
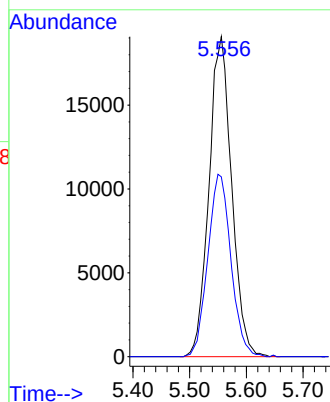


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

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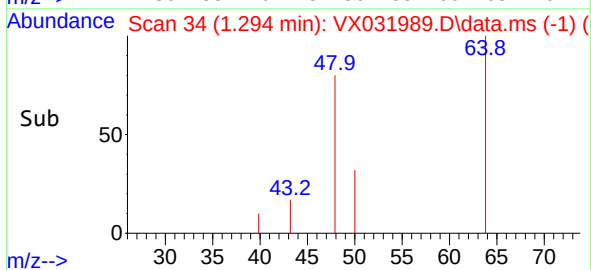
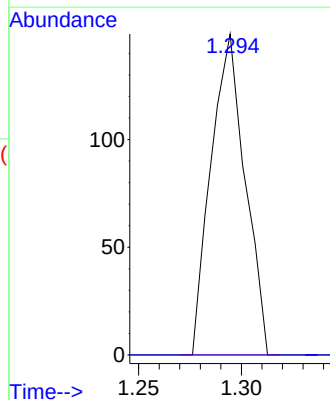
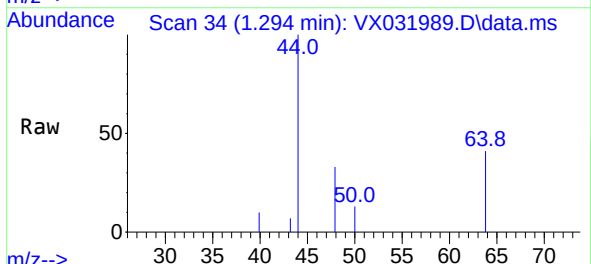


Tgt Ion:168 Resp: 52949
Ion Ratio Lower Upper
168 100
99 56.2 48.8 73.2

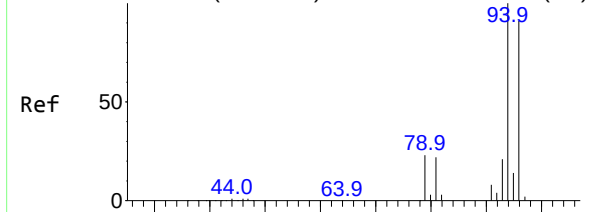


#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

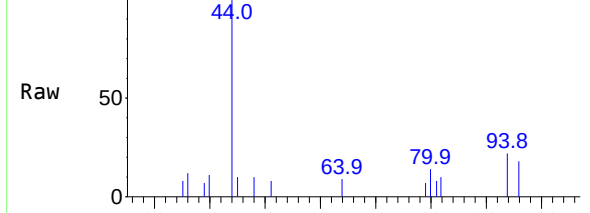


Abundance Scan 86 (1.611 min): VX031915.D\data.ms (-81)



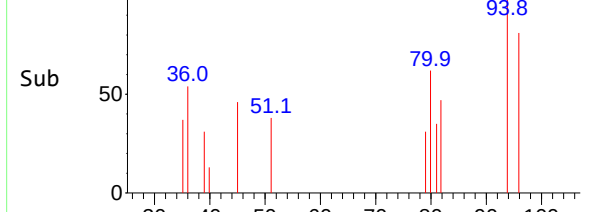
m/z-->

Abundance Scan 86 (1.611 min): VX031989.D\data.ms



m/z-->

Abundance Scan 86 (1.611 min): VX031989.D\data.ms (-37)



m/z-->

#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

Instrument :

MSVOA_X

ClientSampleId :

MW-123

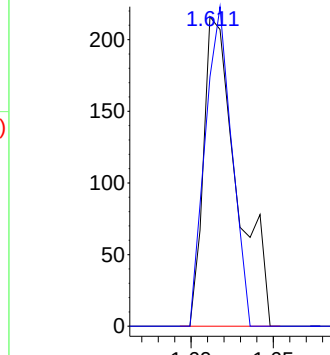
Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

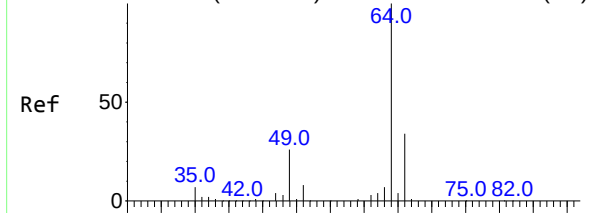
96 80.6 74.4 111.6

Abundance



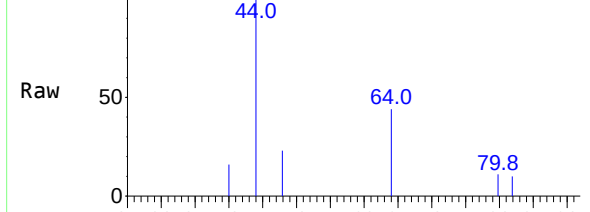
Time-->

Abundance Scan 98 (1.684 min): VX031915.D\data.ms (-90)



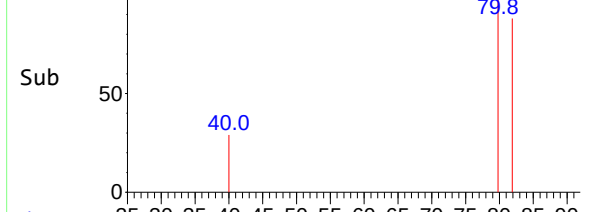
m/z-->

Abundance Scan 101 (1.703 min): VX031989.D\data.ms



m/z-->

Abundance Scan 101 (1.703 min): VX031989.D\data.ms (-49)



m/z-->

#6

Chloroethane

Concen: 0.428 ug/l

RT: 1.703 min Scan# 101

Delta R.T. 0.019 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

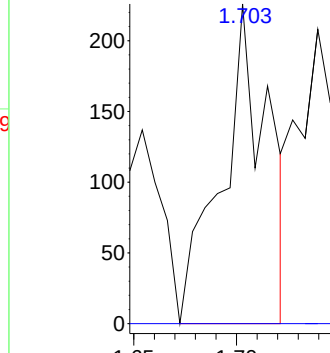
Tgt Ion: 64 Resp: 351

Ion Ratio Lower Upper

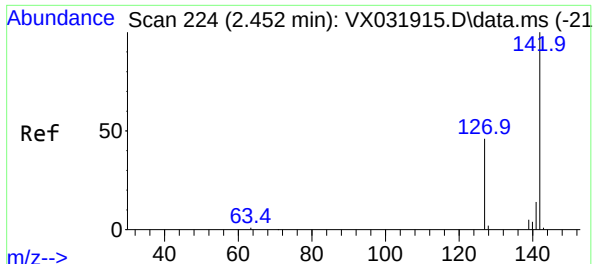
64 100

66 0.0 25.0 37.4#

Abundance



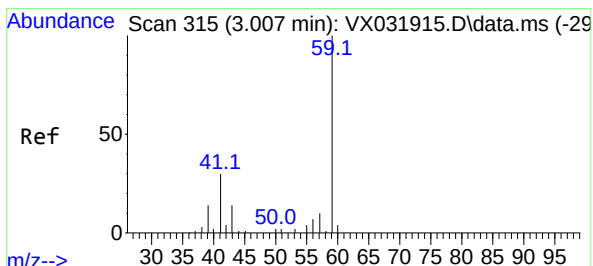
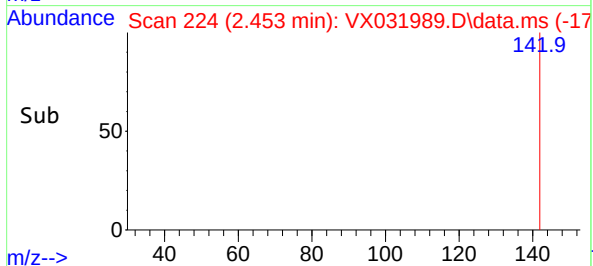
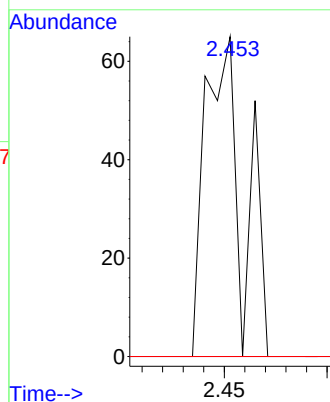
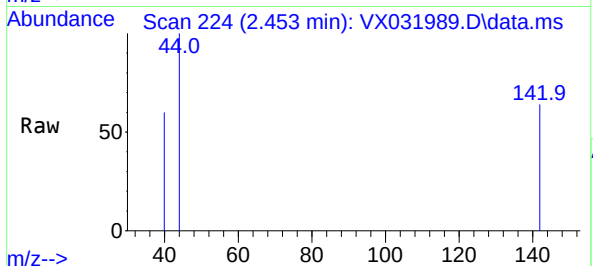
Time-->



#10
Methyl Iodide
Concen: 2.843 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

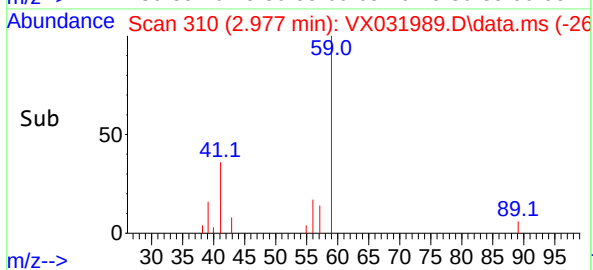
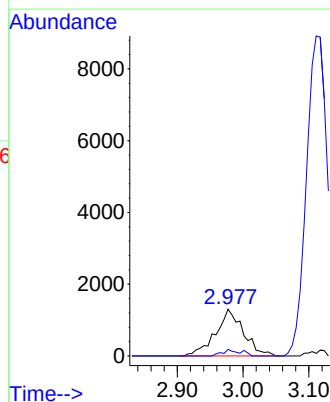
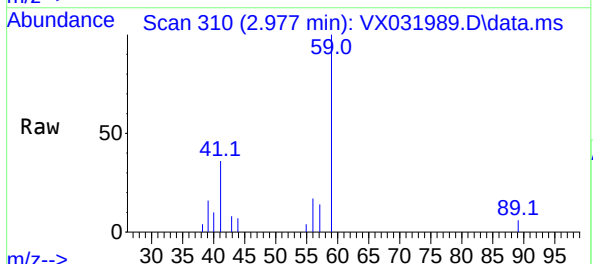
Instrument :
MSVOA_X
ClientSampleId :
MW-123

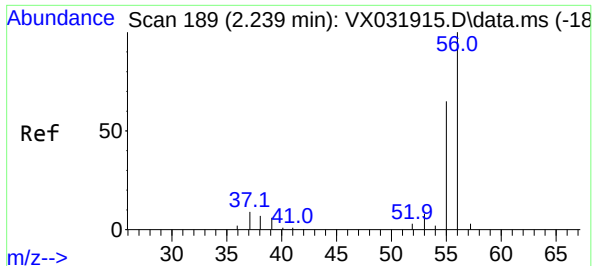
Tgt Ion:142 Resp: 83
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 28.107 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.030 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 59 Resp: 3824
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

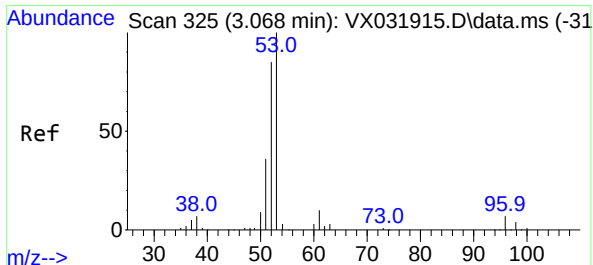
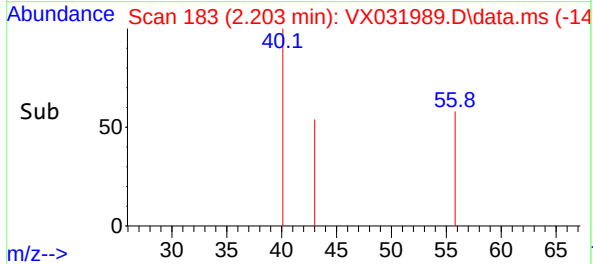
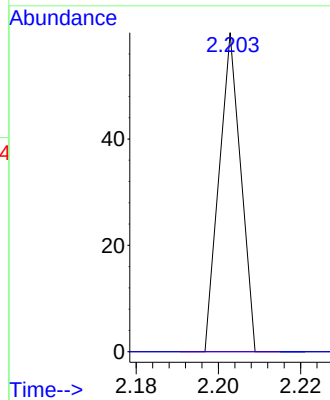
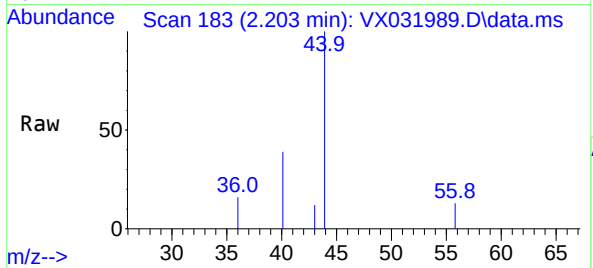




#13
Acrolein
Concen: Below Cal
RT: 2.203 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

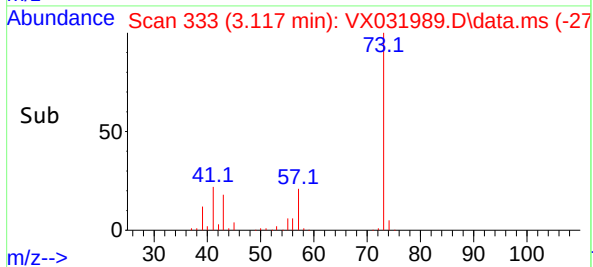
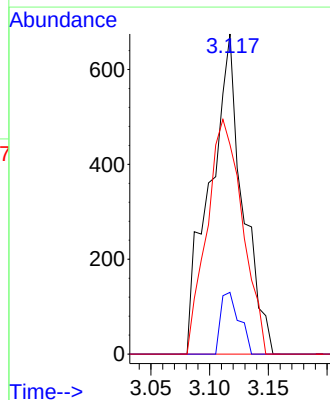
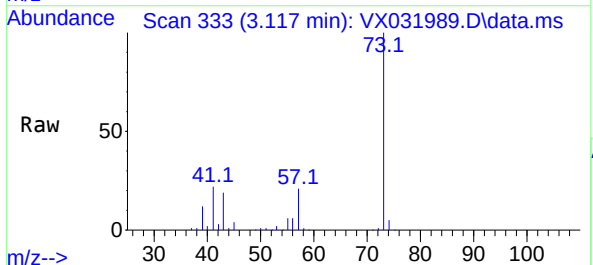
Instrument :
MSVOA_X
ClientSampleId :
MW-123

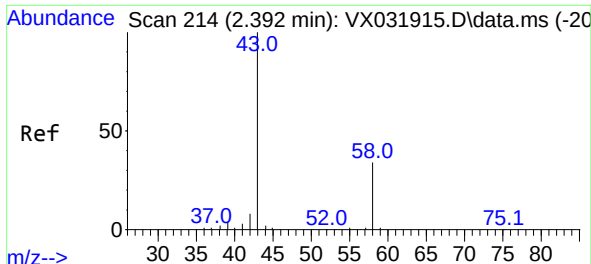
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#15
Acrylonitrile
Concen: 3.023 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.049 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 53 Resp: 1311
Ion Ratio Lower Upper
53 100
52 10.9 66.9 100.3#
51 79.6 30.0 45.0#

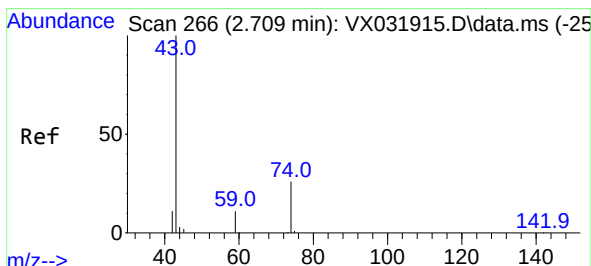
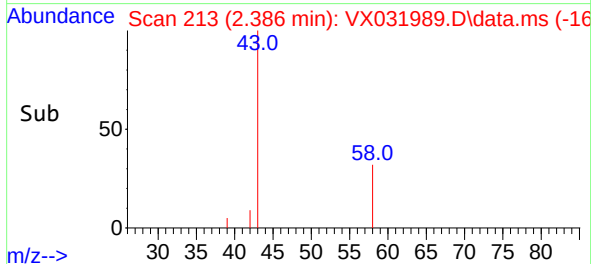
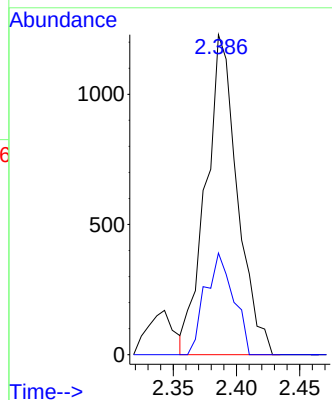
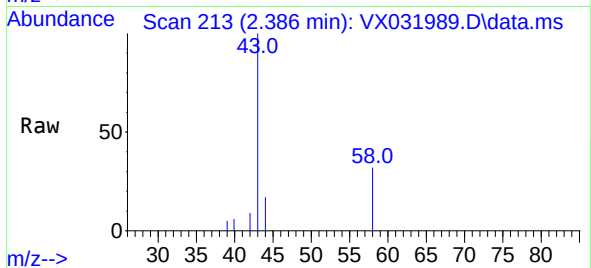




#16
Acetone
Concen: 5.739 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

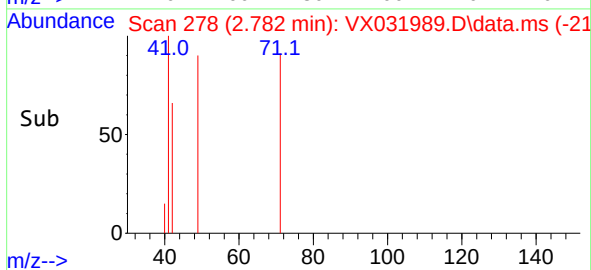
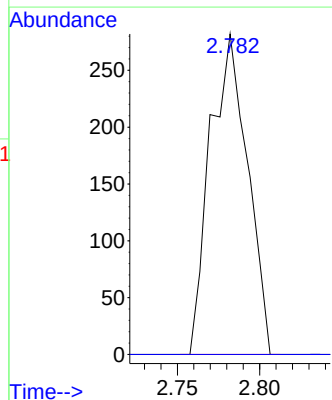
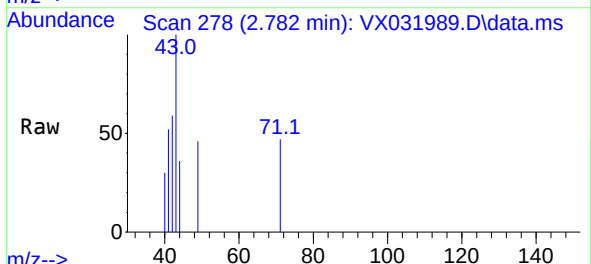
Instrument :
MSVOA_X
ClientSampleId :
MW-123

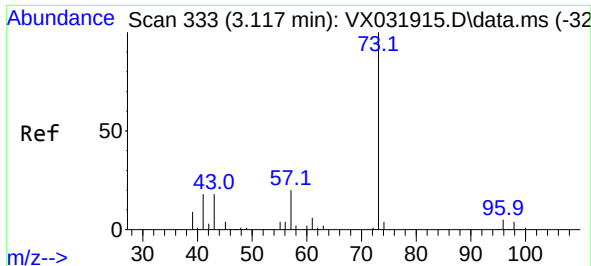
Tgt Ion: 43 Resp: 2133
Ion Ratio Lower Upper
43 100
58 31.7 23.8 35.8



#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.073 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

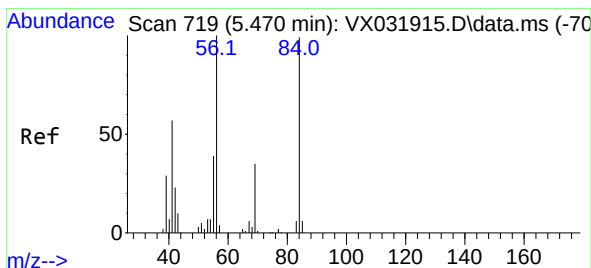
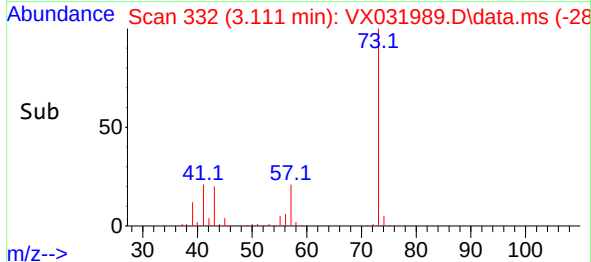
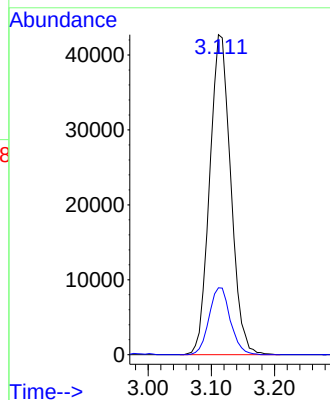
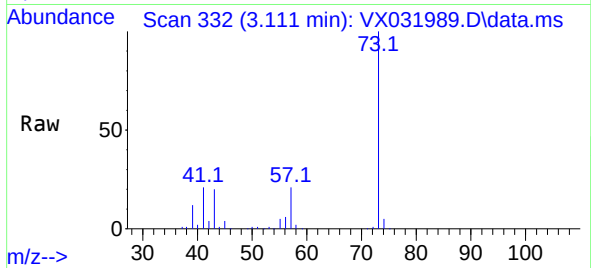




#19
Methyl tert-butyl Ether
Concen: 36.495 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

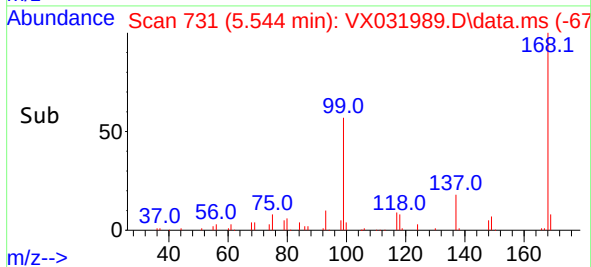
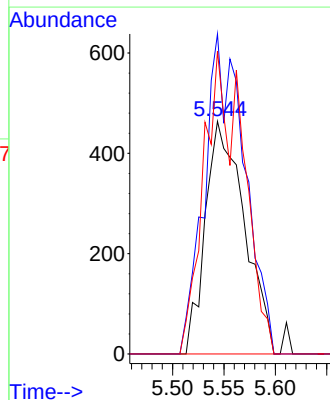
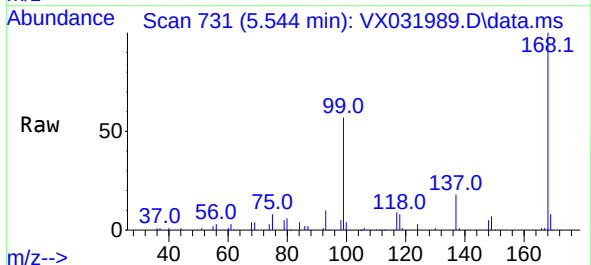
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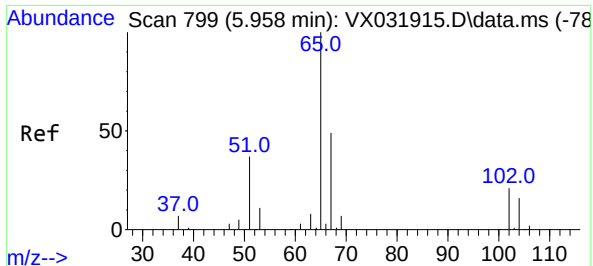
Tgt Ion: 73 Resp: 98772
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8



#31
Cyclohexane
Concen: 0.938 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 56 Resp: 1225
Ion Ratio Lower Upper
56 100
69 137.5 25.1 37.7#
84 130.2 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 54.463 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

Instrument :

MSVOA_X

ClientSampleId :

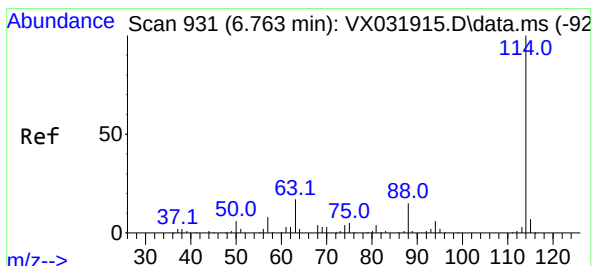
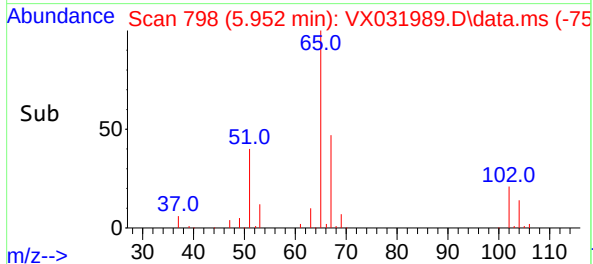
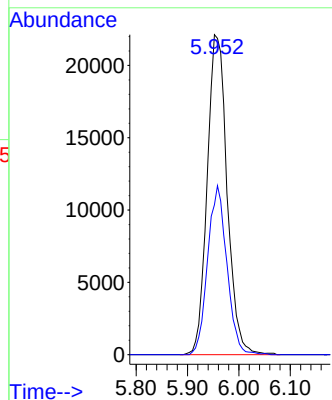
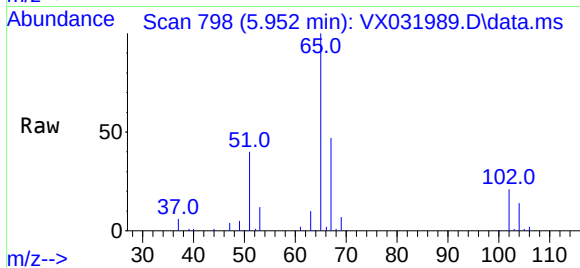
MW-123

Tgt Ion: 65 Resp: 59556

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

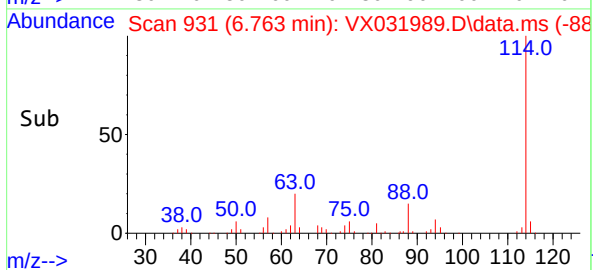
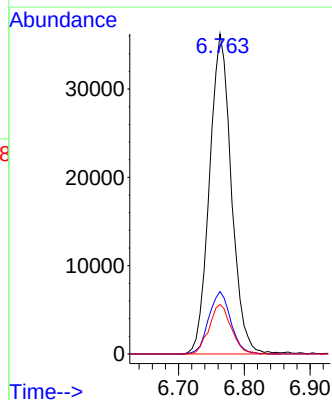
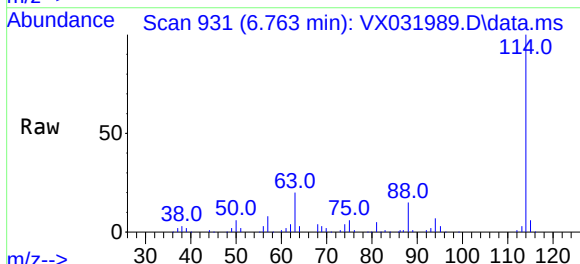
Tgt Ion: 114 Resp: 83868

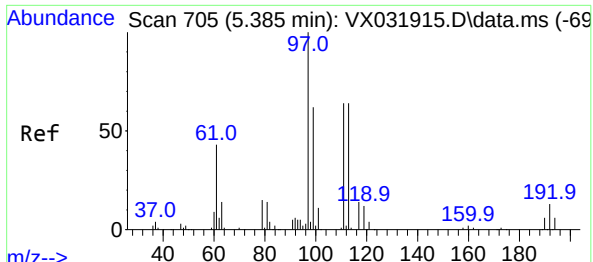
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 15.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.307 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

Instrument :

MSVOA_X

ClientSampleId :

MW-123

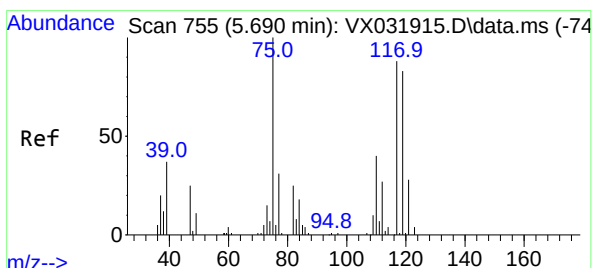
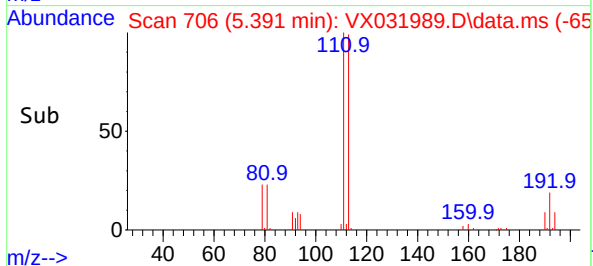
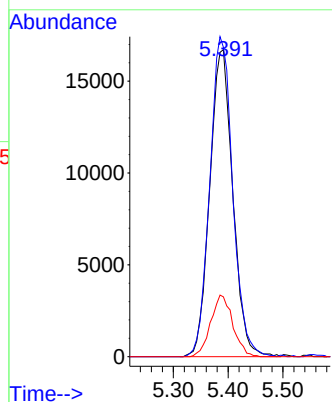
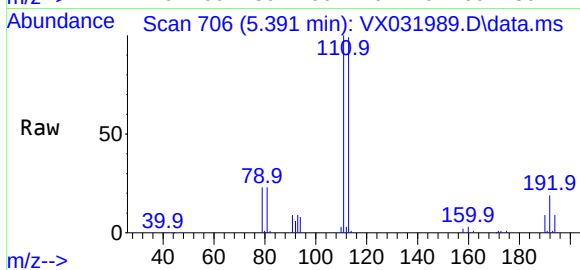
Tgt Ion:113 Resp: 48708

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

192 19.2 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.370 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

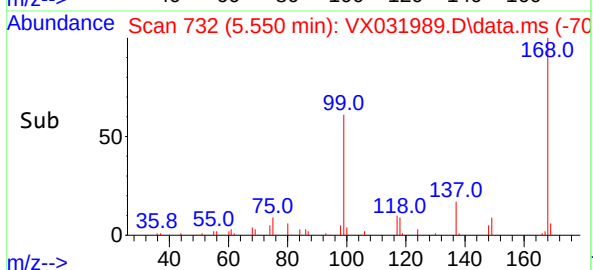
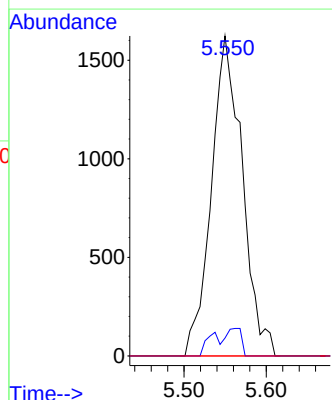
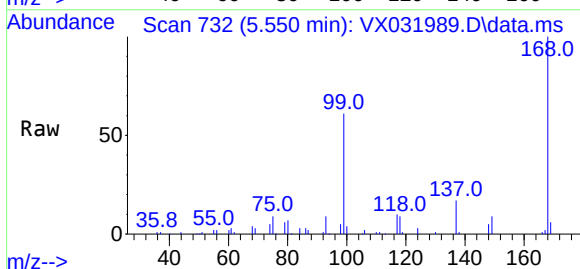
Tgt Ion: 75 Resp: 4242

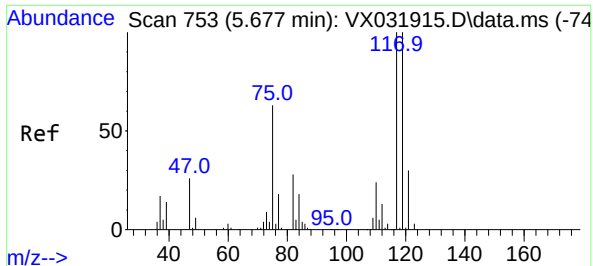
Ion Ratio Lower Upper

75 100

110 3.1 17.5 52.5#

77 0.0 24.9 37.3#

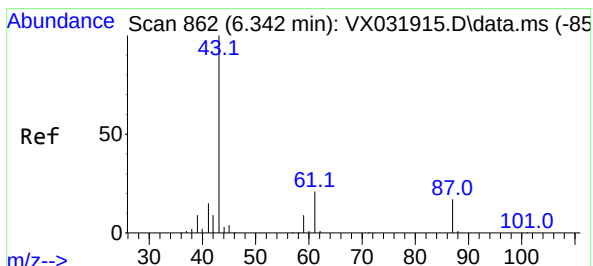
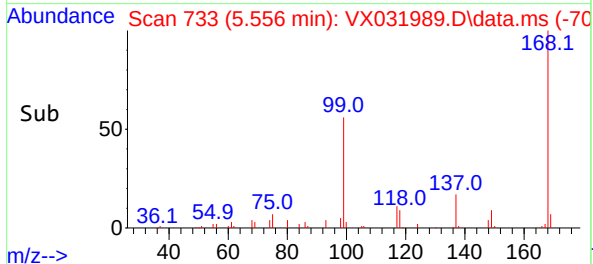
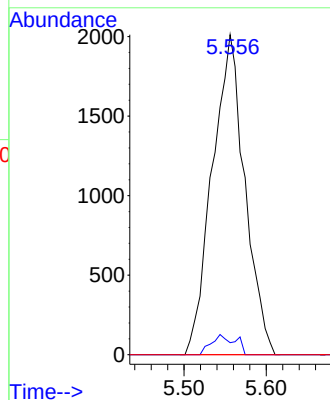
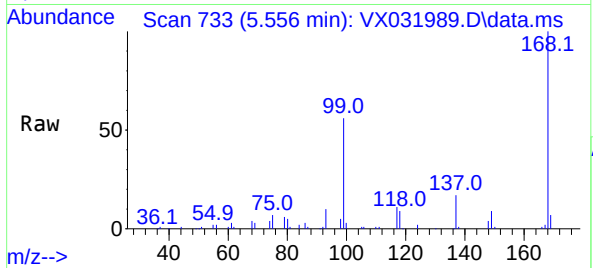




#38
Carbon Tetrachloride
Concen: 4.307 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

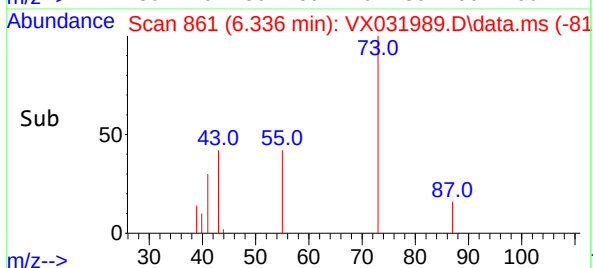
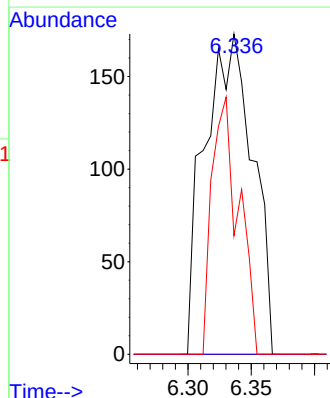
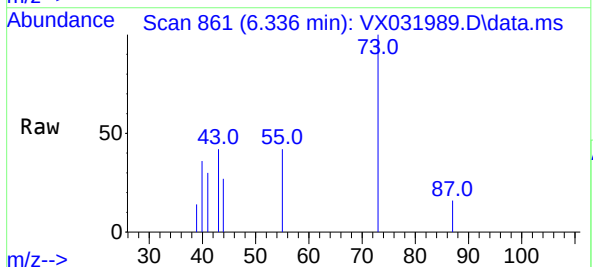
Instrument :
MSVOA_X
ClientSampleId :
MW-123

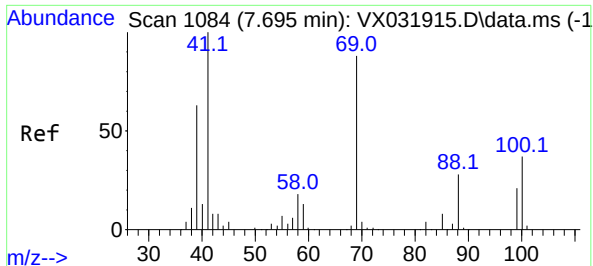
Tgt Ion:117 Resp: 5544
Ion Ratio Lower Upper
117 100
119 3.8 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 0.255 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 44.8 10.6 15.8#

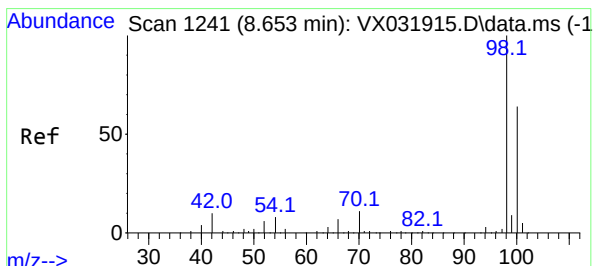
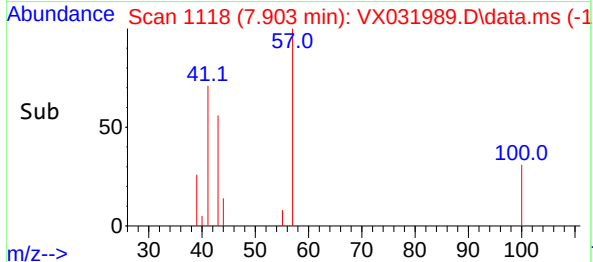
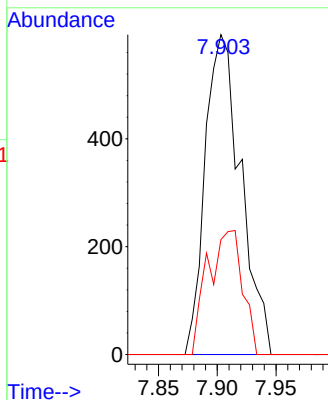
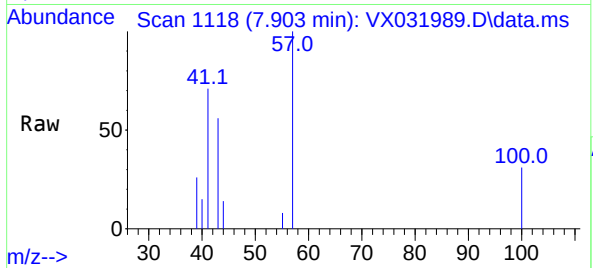




#48
Methyl methacrylate
Concen: 1.457 ug/l
RT: 7.903 min Scan# 1118
Delta R.T. 0.208 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

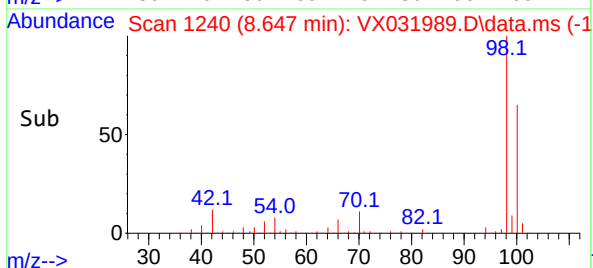
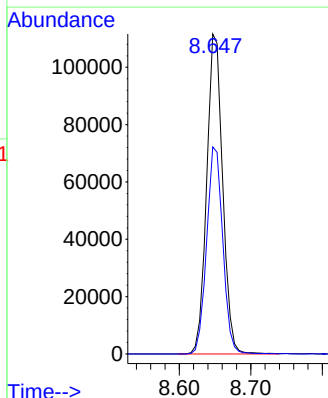
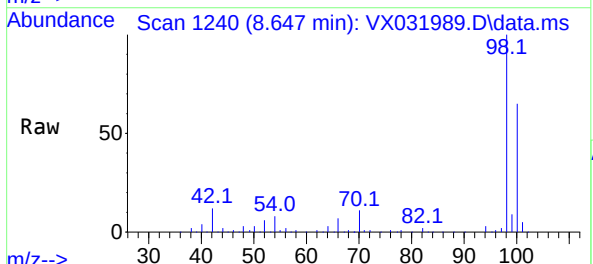
Instrument :
MSVOA_X
ClientSampleId :
MW-123

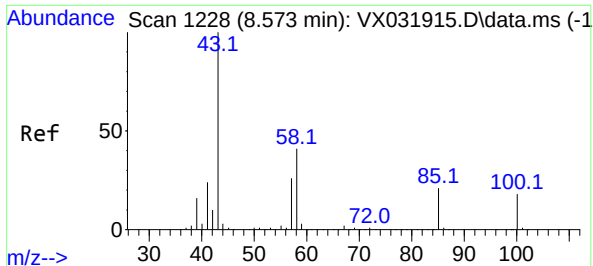
Tgt Ion: 41 Resp: 1252
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 37.9 51.4 77.0#



#50
Toluene-d8
Concen: 50.574 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 98 Resp: 172764
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.634 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX031989.D

Acq: 08 Oct 2022 03:28

Instrument :

MSVOA_X

ClientSampleId :

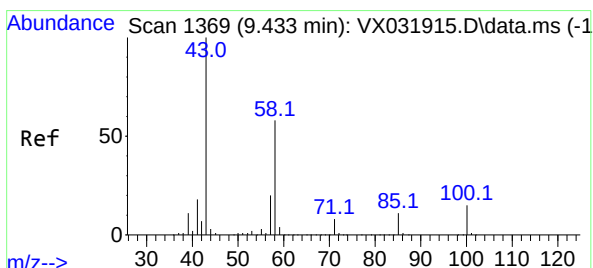
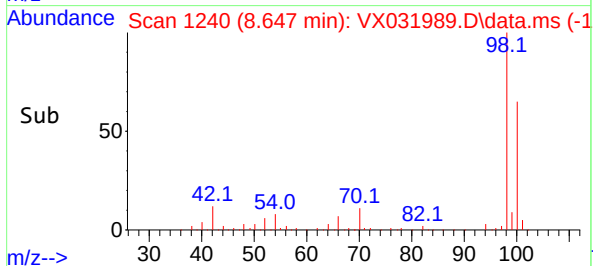
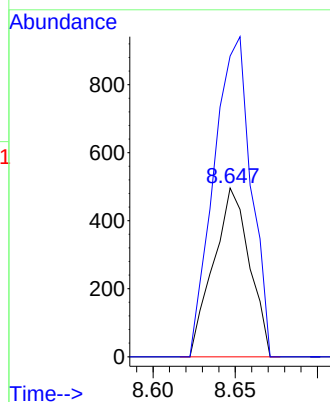
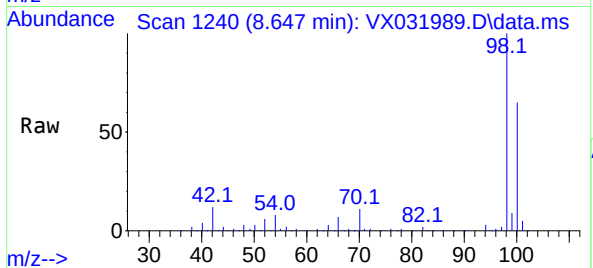
MW-123

Tgt Ion: 43 Resp: 756

Ion Ratio Lower Upper

43 100

58 196.4 30.6 46.0#



#59

2-Hexanone

Concen: 0.727 ug/l

RT: 9.464 min Scan# 1374

Delta R.T. 0.031 min

Lab File: VX031989.D

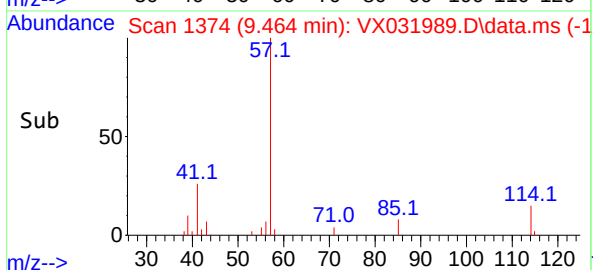
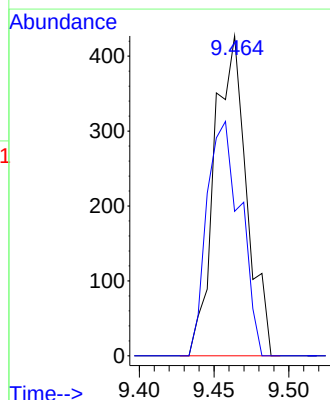
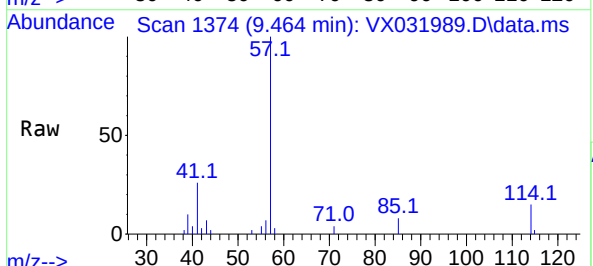
Acq: 08 Oct 2022 03:28

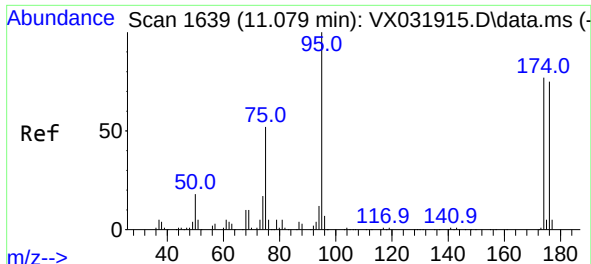
Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

58 76.5 26.7 80.0

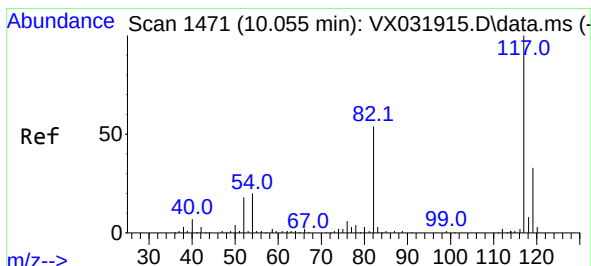
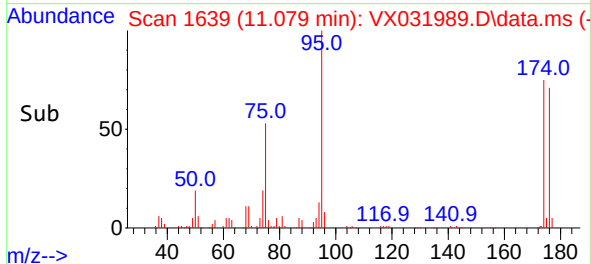
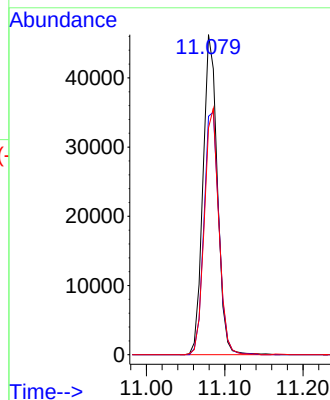
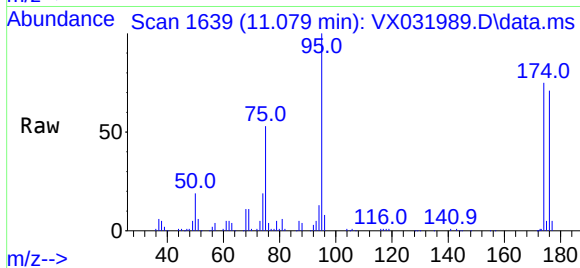




#62
4-Bromofluorobenzene
Concen: 48.688 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

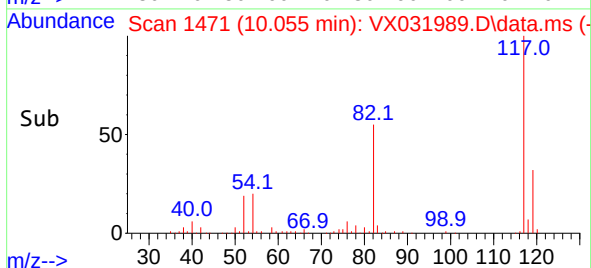
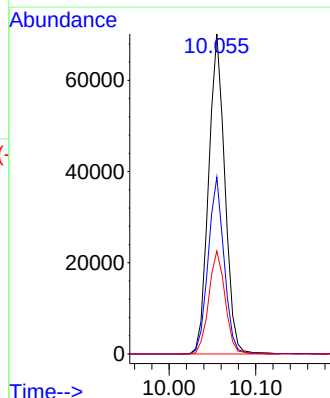
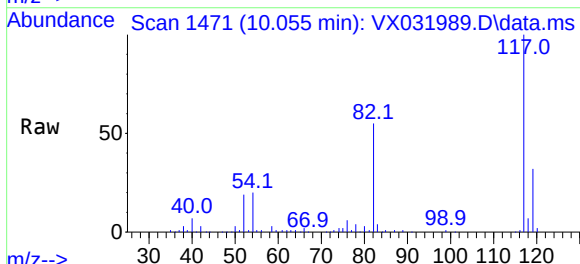
Instrument :
MSVOA_X
ClientSampleId :
MW-123

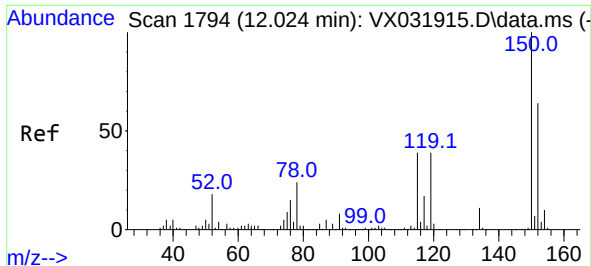
Tgt Ion: 95 Resp: 58799
Ion Ratio Lower Upper
95 100
174 79.0 0.0 153.2
176 77.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 117 Resp: 91386
Ion Ratio Lower Upper
117 100
82 55.3 46.8 70.2
119 32.2 26.4 39.6

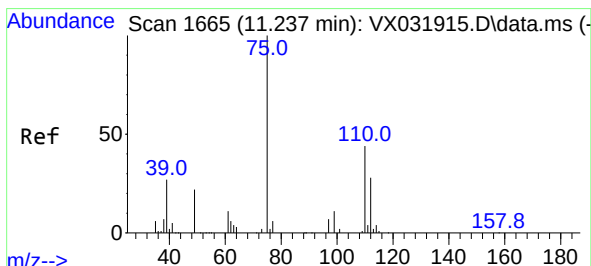
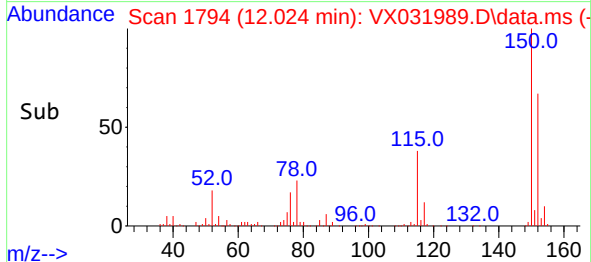
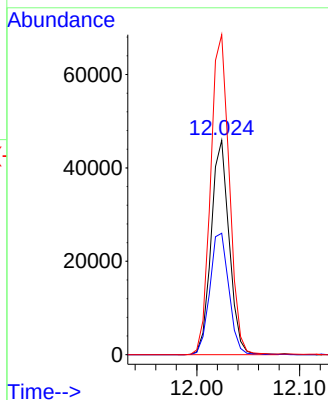
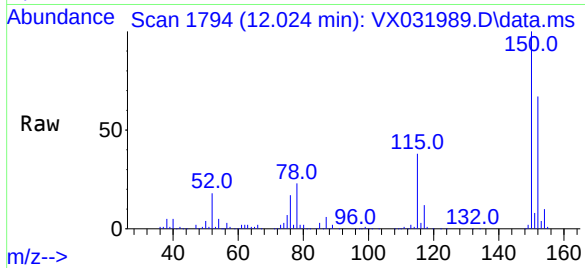




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

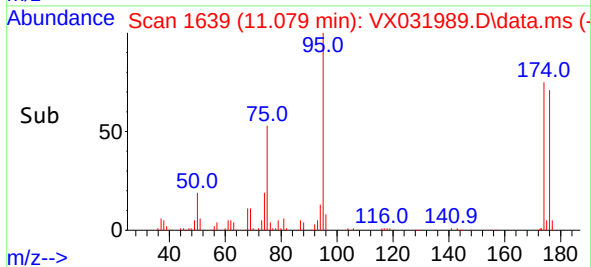
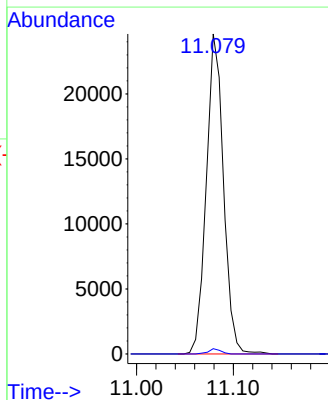
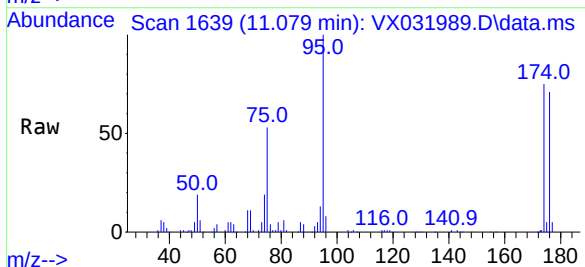
Instrument :
MSVOA_X
ClientSampleId :
MW-123

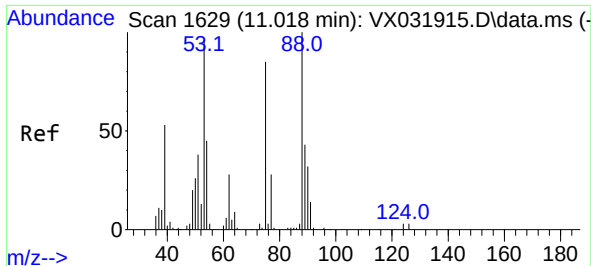
Tgt Ion:152 Resp: 55864
Ion Ratio Lower Upper
152 100
115 60.0 43.4 130.1
150 154.5 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 26.597 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Tgt Ion: 75 Resp: 30452
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.190 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031989.D
Acq: 08 Oct 2022 03:28

Instrument :
MSVOA_X
ClientSampleId :
MW-123

Tgt Ion: 75 Resp: 30452
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

