

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031532.D
 Acq On : 21 Sep 2022 18:14
 Operator : JC/MD
 Sample : N4614-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23R

Quant Time: Sep 22 01:15:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

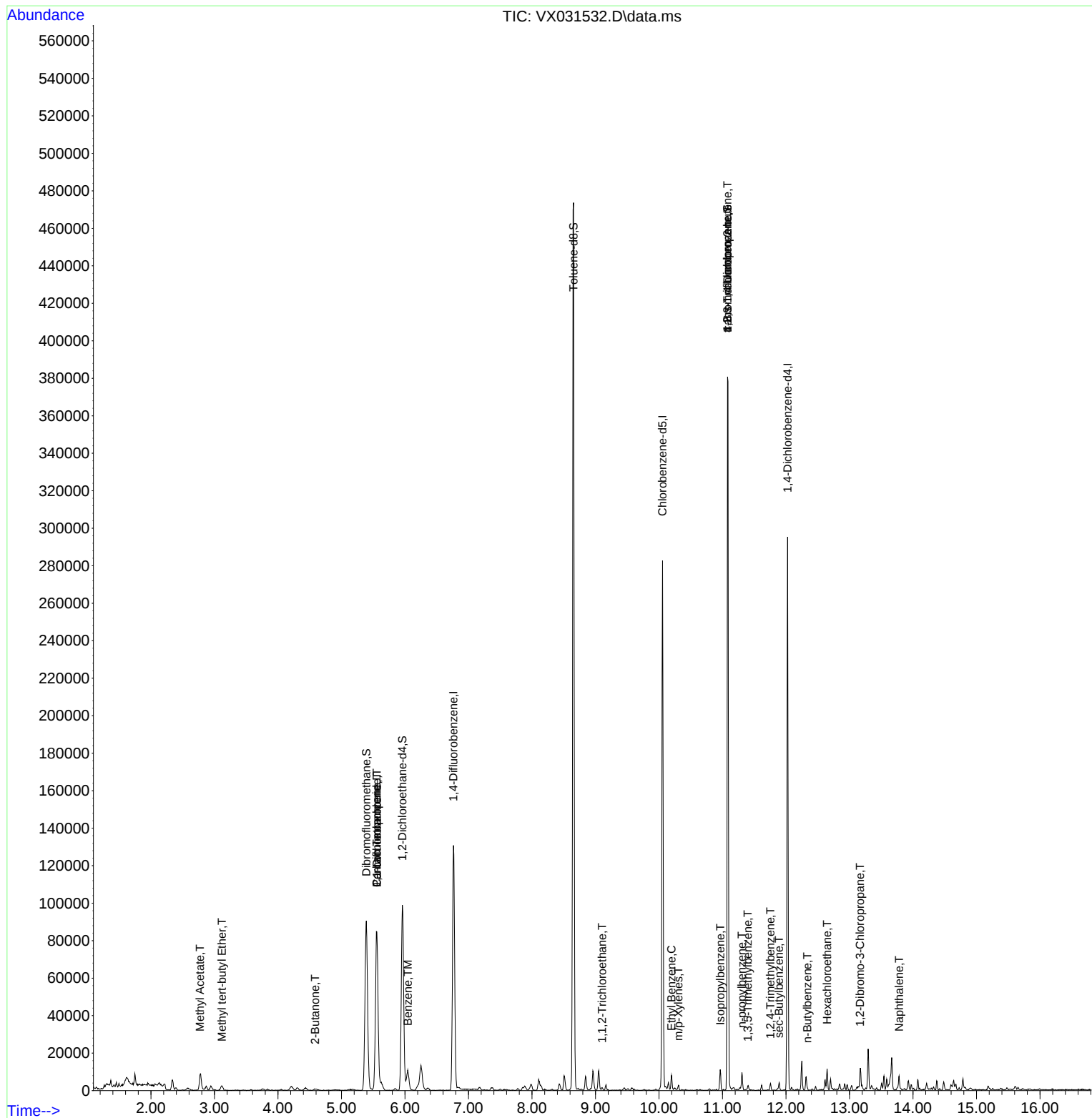
Internal Standards						
1) Pentafluorobenzene	5.556	168	83291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	134931	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87182	57.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.240%			
35) Dibromofluoromethane	5.391	113	73679	52.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.740%			
50) Toluene-d8	8.653	98	277064	51.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.080%			
62) 4-Bromofluorobenzene	11.079	95	89125	48.945	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.880%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	553	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	1554	Below Cal	#	73
13) Acrolein	2.337	56	675	Below Cal		85
16) Acetone	2.386	43	1466	Below Cal		95
18) Methyl Acetate	2.770	43	6407	2.807 ug/l	#	52
19) Methyl tert-butyl Ether	3.117	73	2558	0.546 ug/l	#	74
20) Methylene Chloride	2.794	84	113	Below Cal	#	50
25) 2-Butanone	4.587	43	496	0.421 ug/l	#	49
36) 1,1-Dichloropropene	5.556	75	6282	2.929 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	7818	3.289 ug/l	#	18
40) Benzene	6.044	78	11888	1.858 ug/l		98
55) 1,1,2-Trichloroethane	9.104	97	549	0.319 ug/l	#	15
67) Ethyl Benzene	10.195	91	4824	0.739 ug/l		93
68) m/p-Xylenes	10.305	106	673	0.257 ug/l		99
73) Isopropylbenzene	10.964	105	5537	1.339 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.268	83	79	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	49790	40.288 ug/l	#	37
78) n-propylbenzene	11.305	91	5563	1.169 ug/l		97
80) 1,3,5-Trimethylbenzene	11.396	105	1438	0.410 ug/l		65
81) trans-1,4-Dichloro-2-b...	11.079	75	49790	129.720 ug/l	#	11
84) 1,2,4-Trimethylbenzene	11.756	105	1671	0.484 ug/l		95
85) sec-Butylbenzene	11.890	105	2118	0.492 ug/l		98
89) n-Butylbenzene	12.335	91	1378	0.445 ug/l	#	45
90) Hexachloroethane	12.646	117	3560	5.700 ug/l	#	15
92) 1,2-Dibromo-3-Chloropr...	13.164	75	138	0.486 ug/l	#	3
95) Naphthalene	13.780	128	5235	1.319 ug/l		97

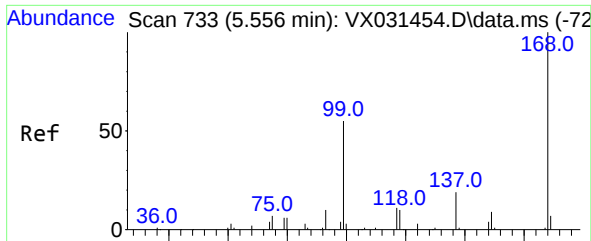
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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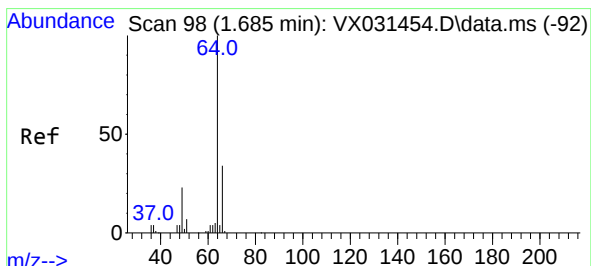
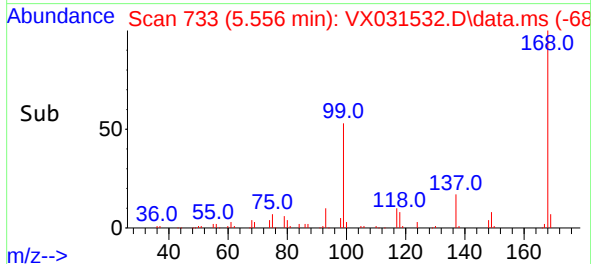
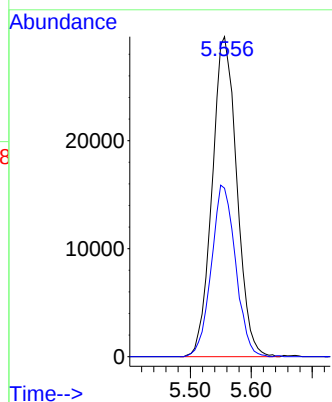
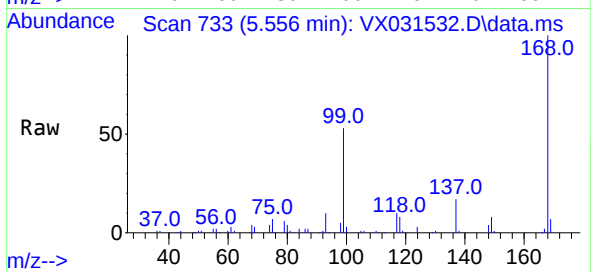




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

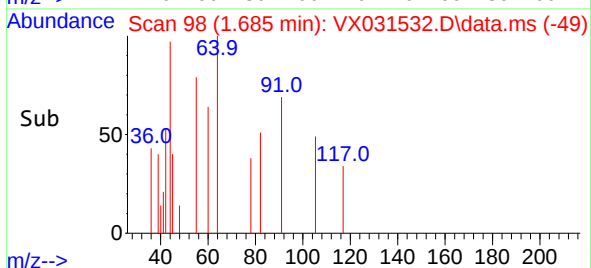
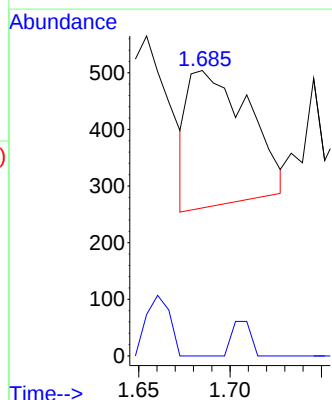
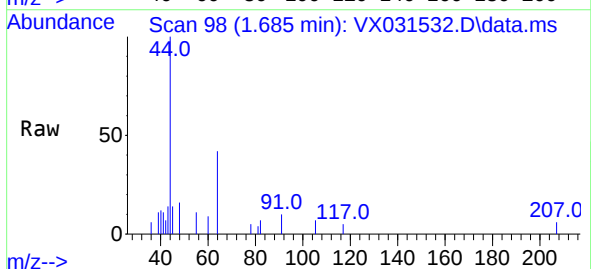
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

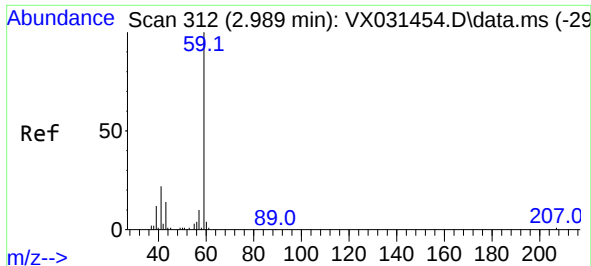
Tgt Ion:168 Resp: 83291
Ion Ratio Lower Upper
168 100
99 52.7 48.8 73.2



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 64 Resp: 553
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

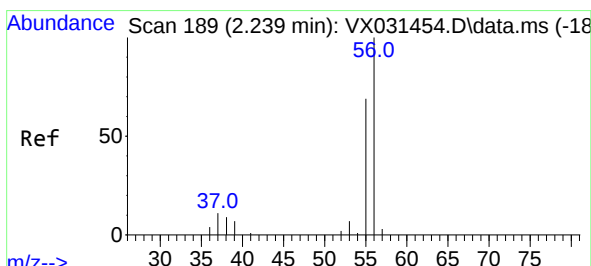
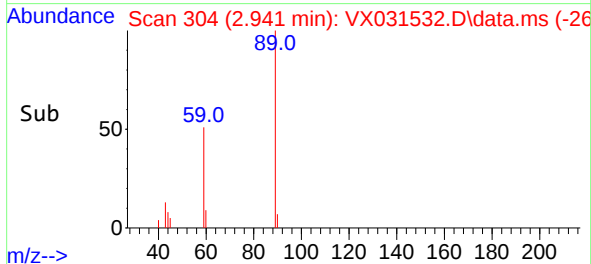
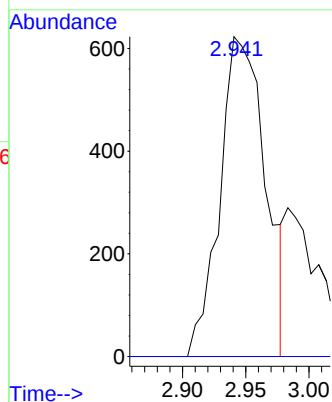
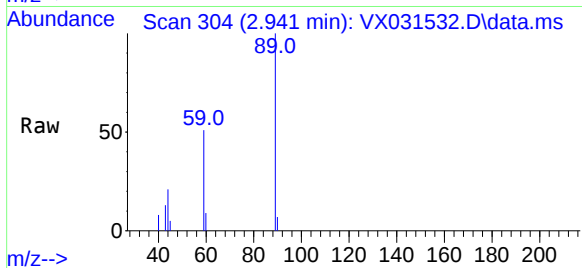
MW-23R

Tgt Ion: 59 Resp: 1554

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.337 min Scan# 205

Delta R.T. 0.098 min

Lab File: VX031532.D

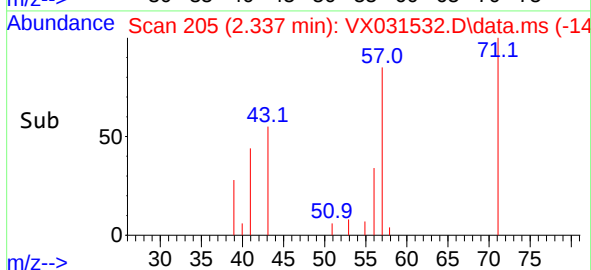
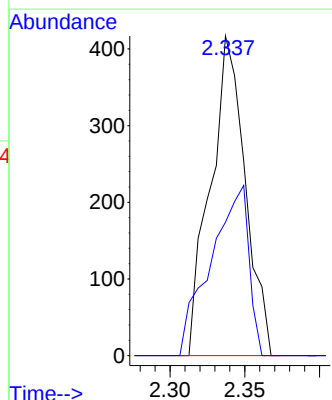
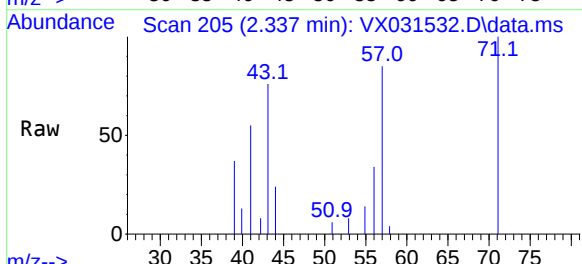
Acq: 21 Sep 2022 18:14

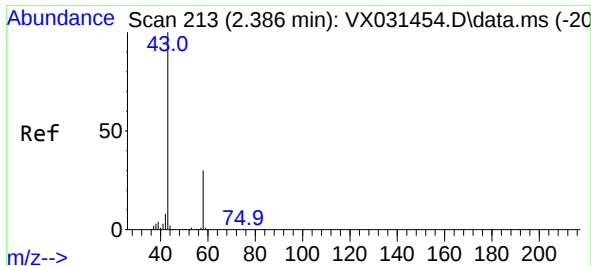
Tgt Ion: 56 Resp: 675

Ion Ratio Lower Upper

56 100

55 58.1 56.0 84.0

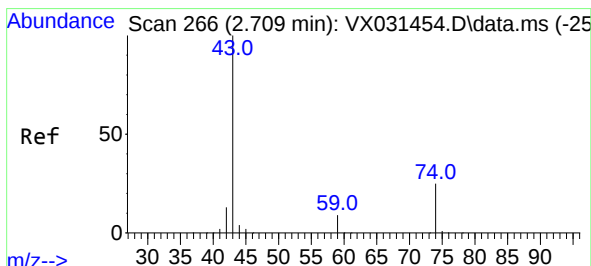
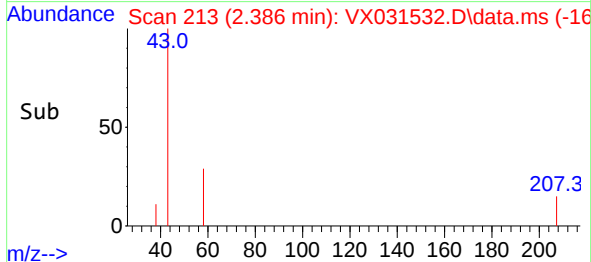
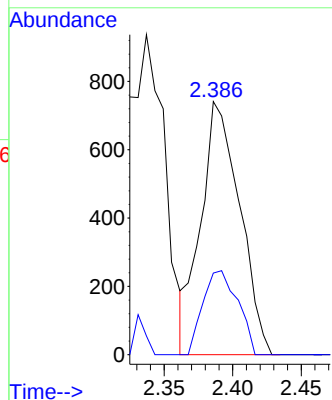
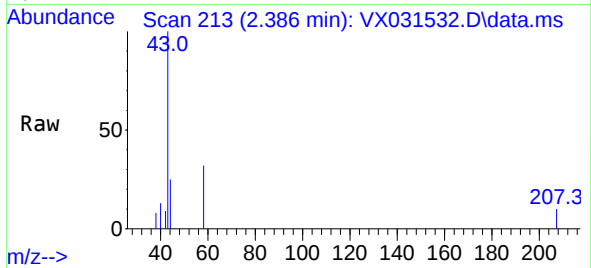




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

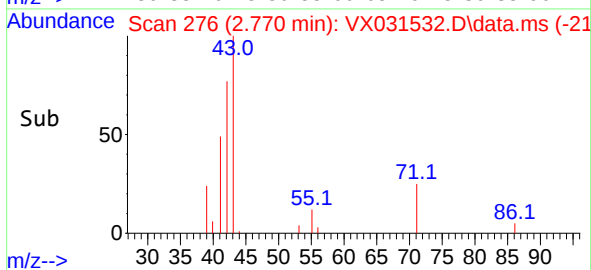
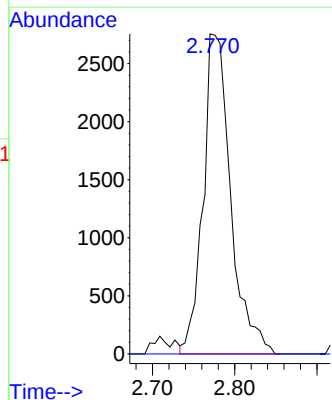
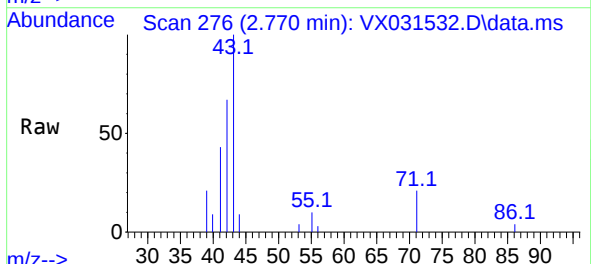
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

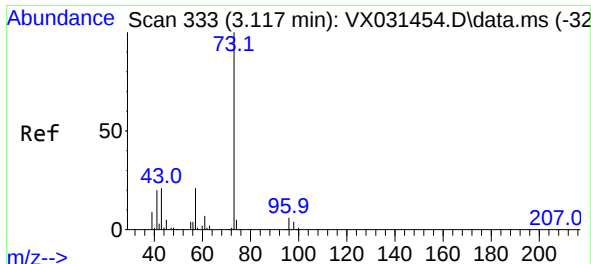
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 32.3 23.8 35.8



#18
Methyl Acetate
Concen: 2.807 ug/l
RT: 2.770 min Scan# 276
Delta R.T. 0.061 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 43 Resp: 6407
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#





#19

Methyl tert-butyl Ether

Concen: 0.546 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

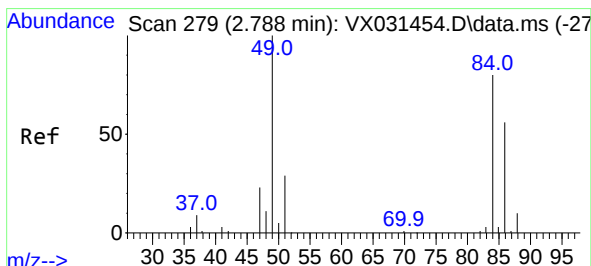
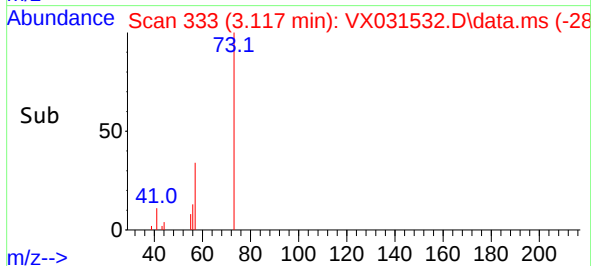
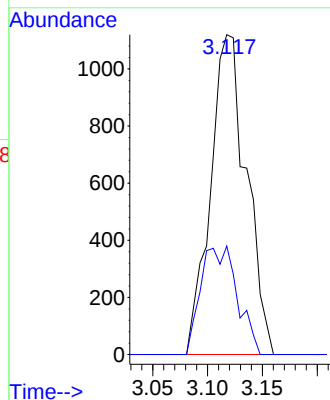
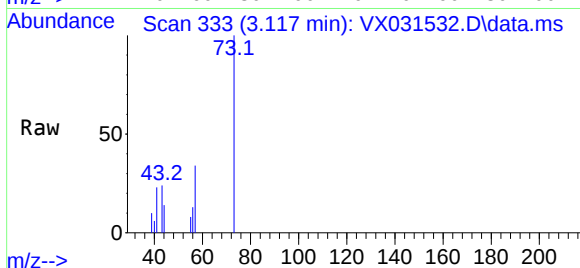
MW-23R

Tgt Ion: 73 Resp: 2558

Ion Ratio Lower Upper

73 100

57 33.9 17.2 25.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Tgt Ion: 84 Resp: 113

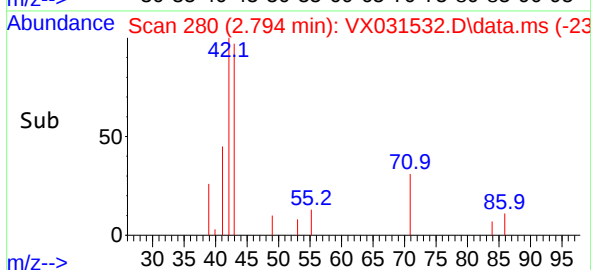
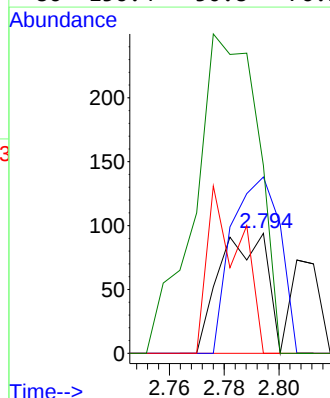
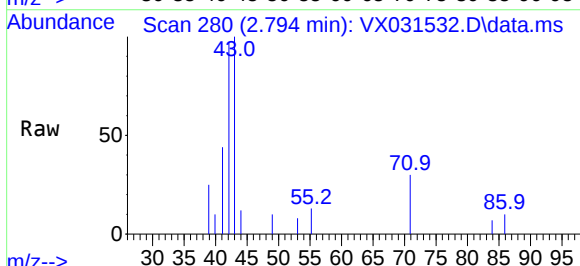
Ion Ratio Lower Upper

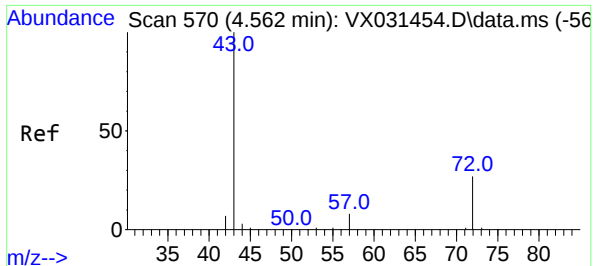
84 100

49 146.8 105.9 158.9

51 0.0 32.2 48.2#

86 156.4 50.8 76.2#





#25

2-Butanone

Concen: 0.421 ug/l

RT: 4.587 min Scan# 5

Delta R.T. 0.025 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

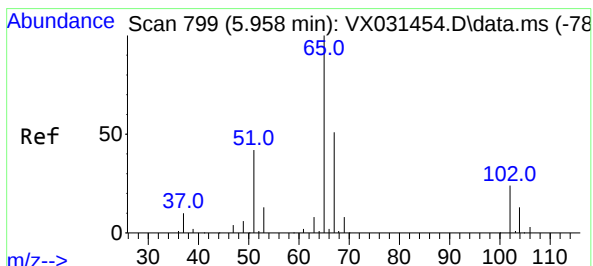
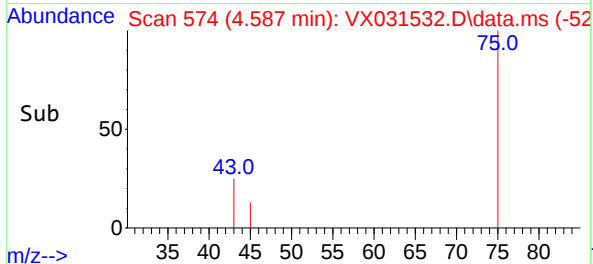
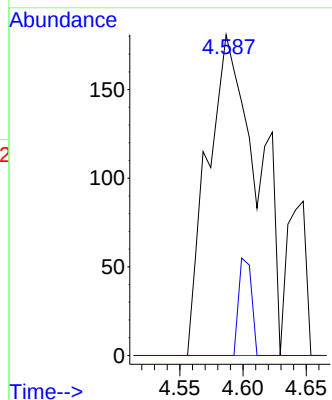
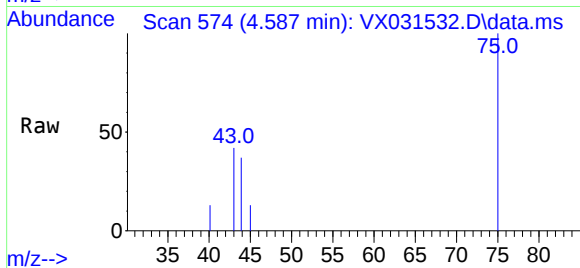
MW-23R

Tgt Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#33

1,2-Dichloroethane-d4

Concen: 57.122 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031532.D

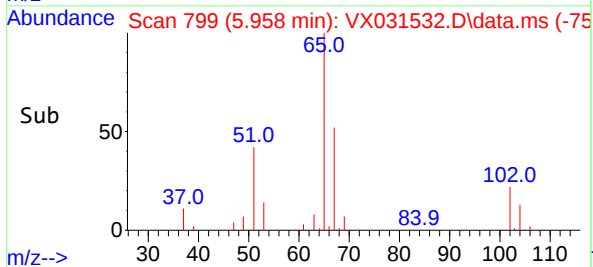
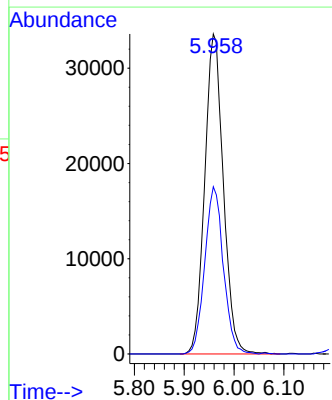
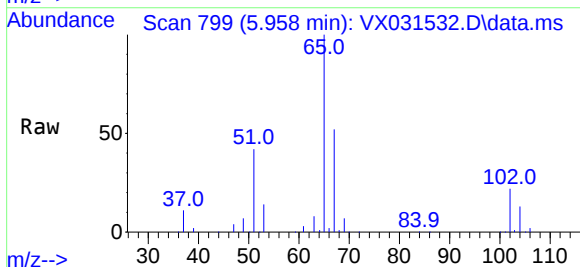
Acq: 21 Sep 2022 18:14

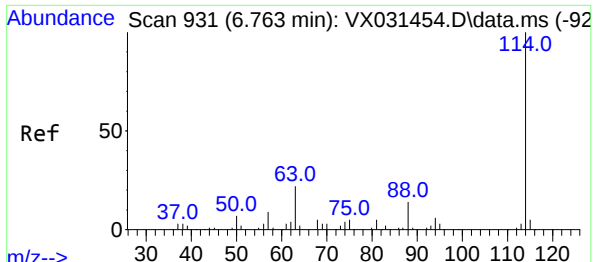
Tgt Ion: 65 Resp: 87182

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.4

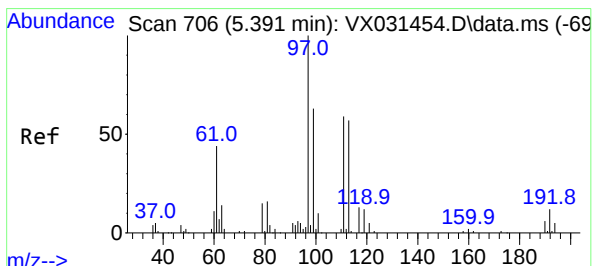
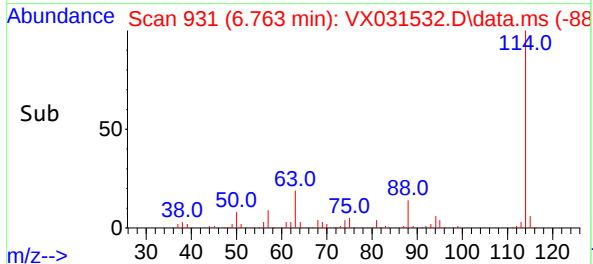
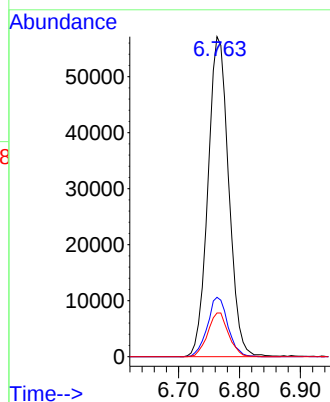
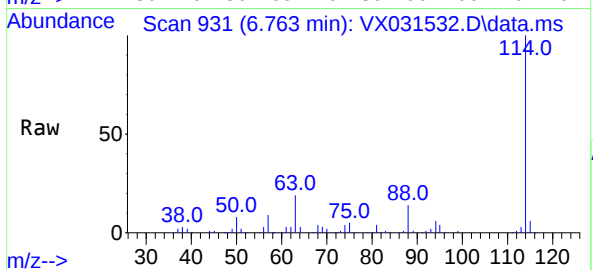




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

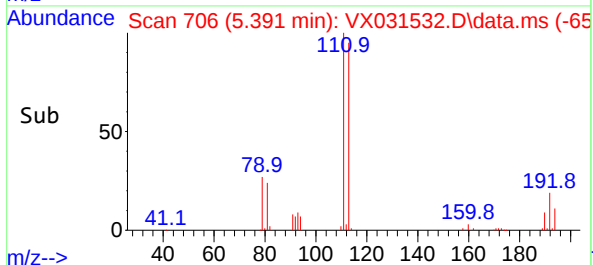
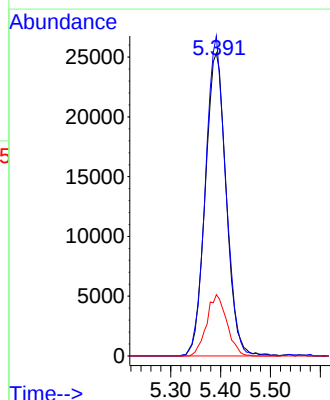
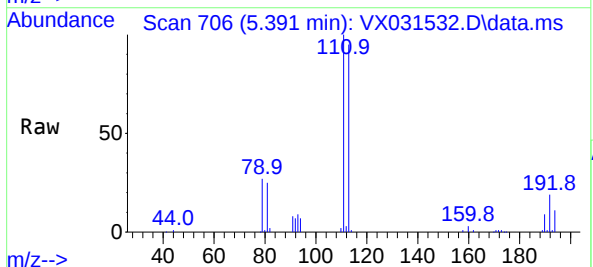
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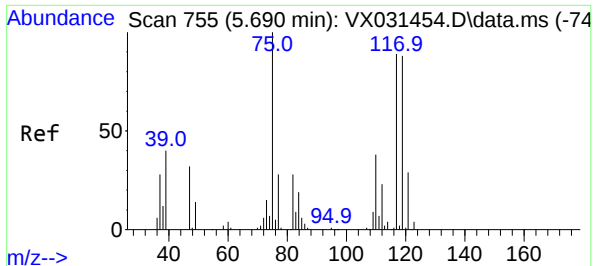
Tgt Ion:114 Resp: 134931
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.6
88 13.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.871 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion:113 Resp: 73679
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 2.929 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

MW-23R

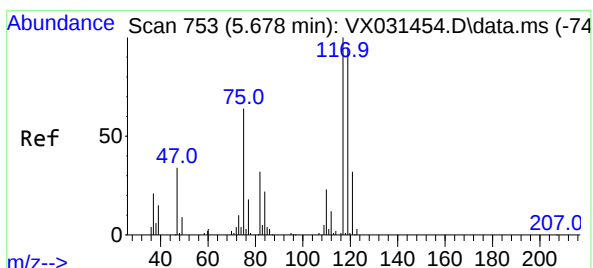
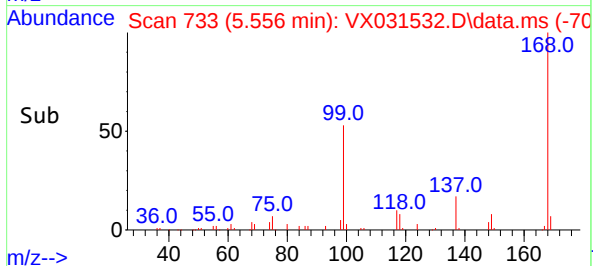
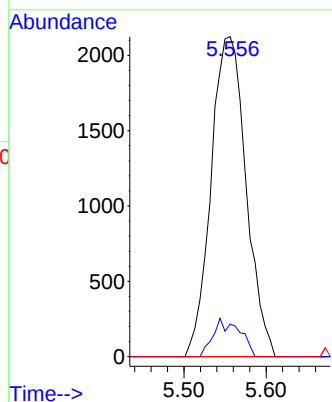
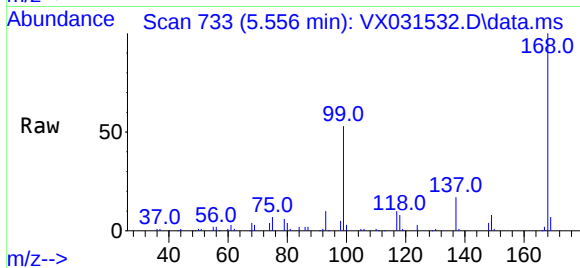
Tgt Ion: 75 Resp: 6282

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 3.289 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

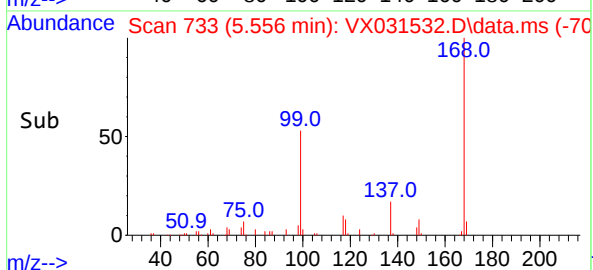
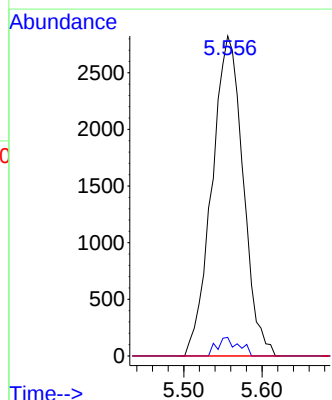
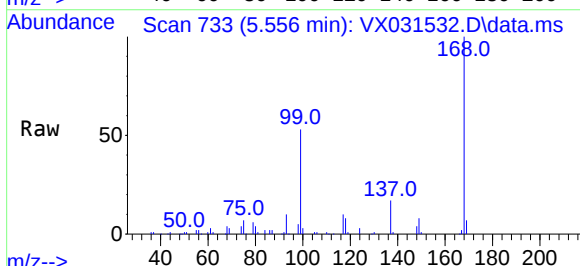
Tgt Ion: 117 Resp: 7818

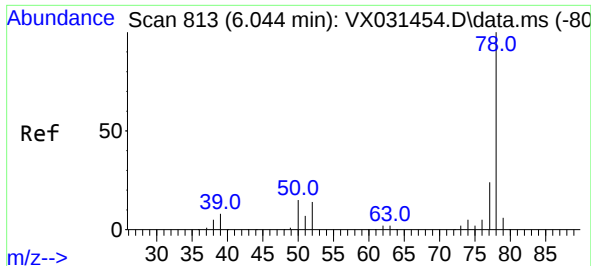
Ion Ratio Lower Upper

117 100

119 5.8 74.6 112.0#

121 0.0 25.3 37.9#

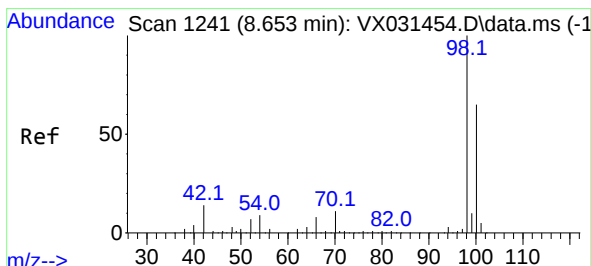
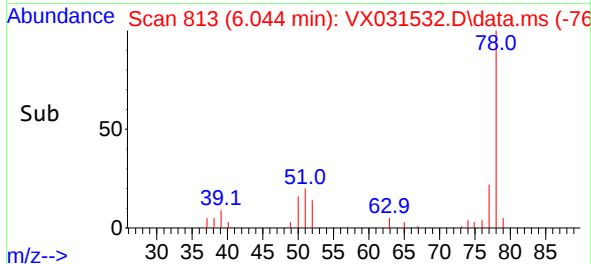
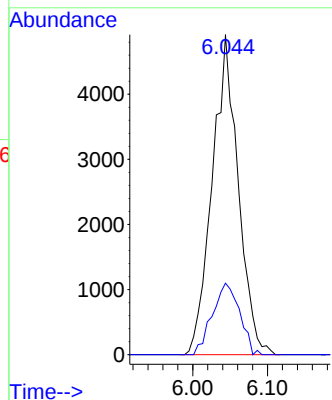
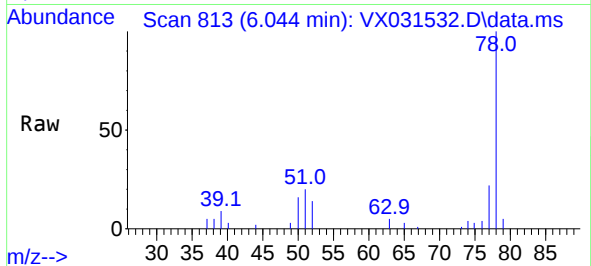




#40
Benzene
Concen: 1.858 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

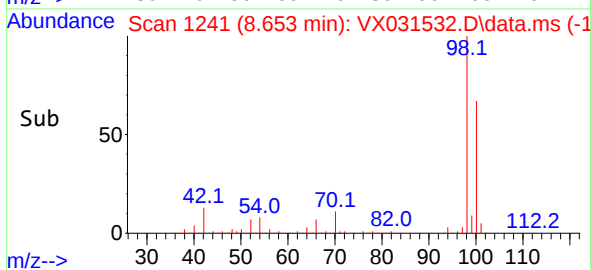
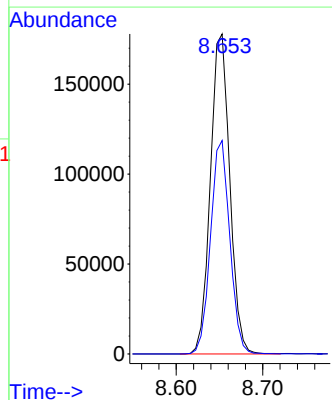
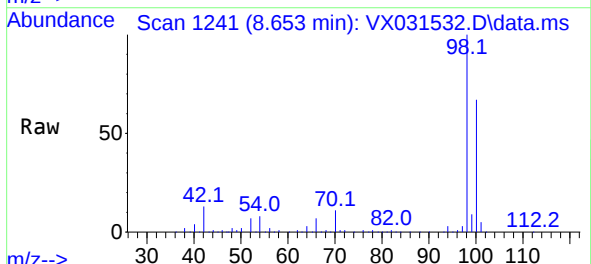
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

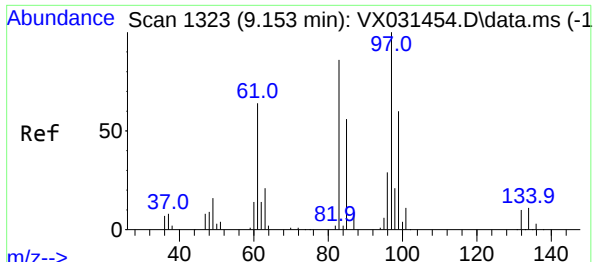
Tgt Ion: 78 Resp: 11888
Ion Ratio Lower Upper
78 100
77 22.4 18.7 28.1



#50
Toluene-d8
Concen: 51.539 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 98 Resp: 277064
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



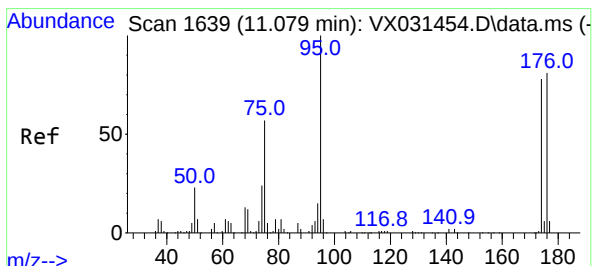
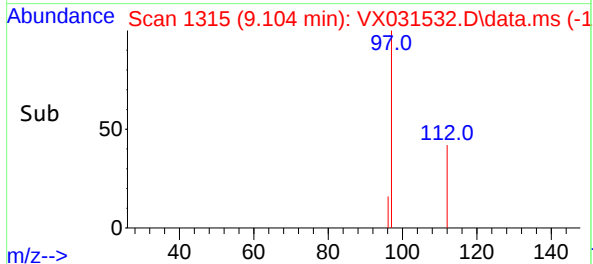
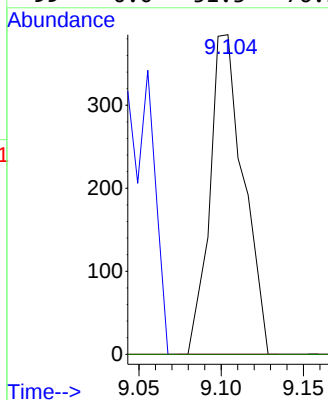
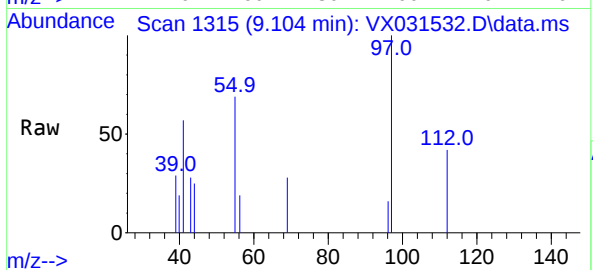


#55
1,1,2-Trichloroethane
Concen: 0.319 ug/l
RT: 9.104 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Instrument :
MSVOA_X
ClientSampleId :
MW-23R

Tgt Ion: 97 Resp: 549

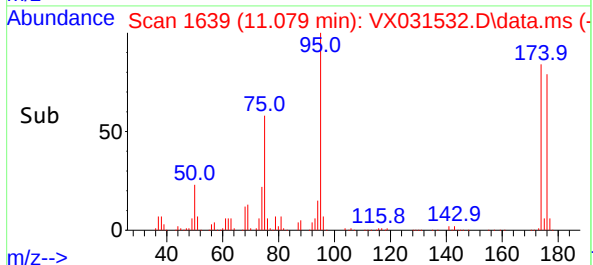
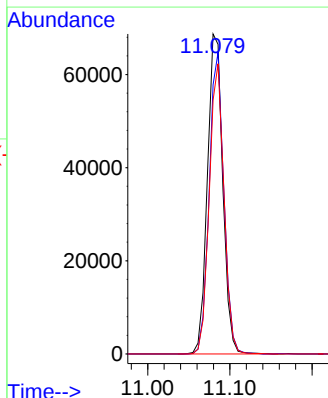
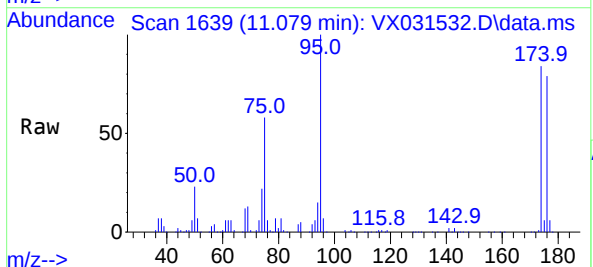
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.0	103.6#
85	0.0	44.1	66.1#
99	0.0	51.3	76.9#

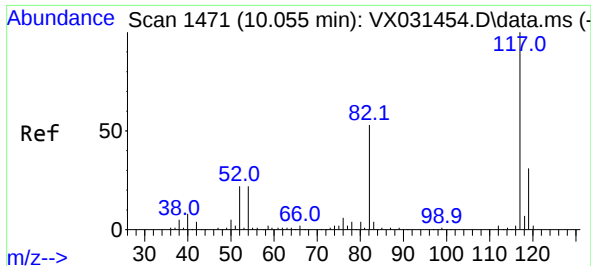


#62
4-Bromofluorobenzene
Concen: 48.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 95 Resp: 89125

Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	153.2
176	86.9	0.0	144.0

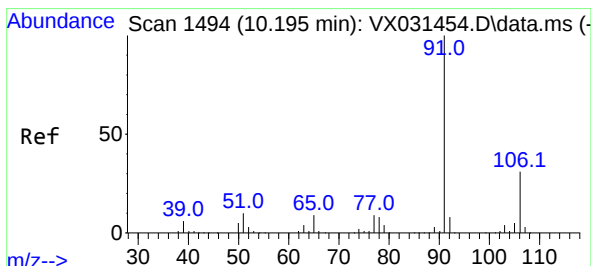
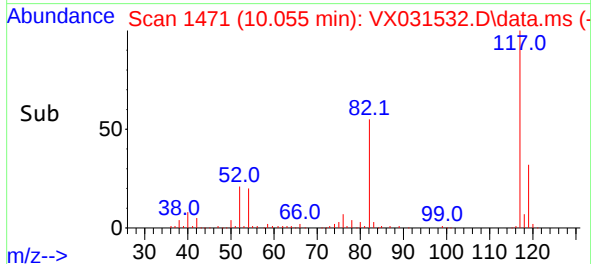
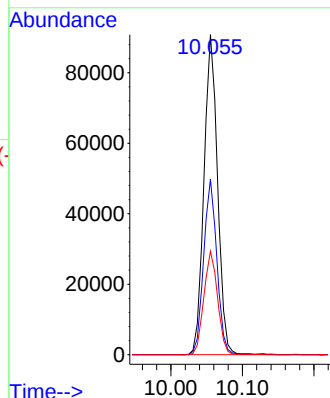
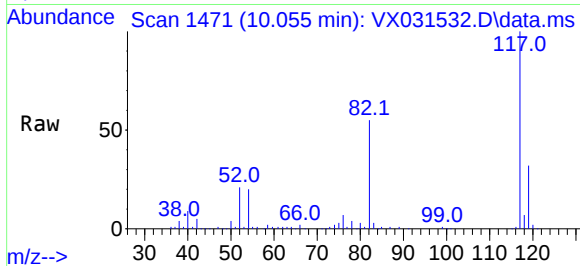




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

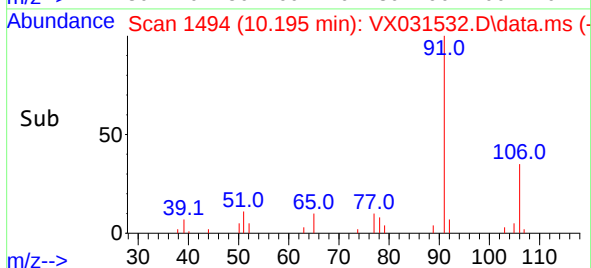
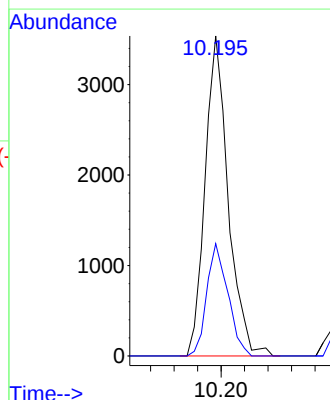
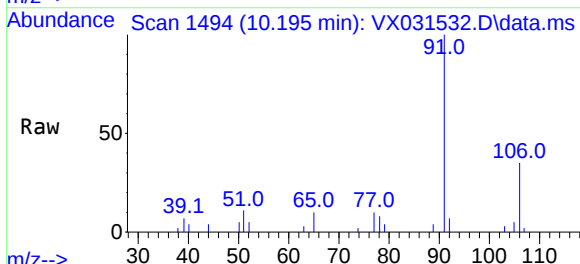
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

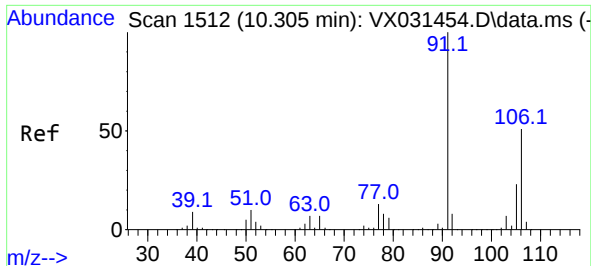
Tgt Ion:117 Resp: 119866
Ion Ratio Lower Upper
117 100
82 54.9 46.8 70.2
119 32.4 26.4 39.6



#67
Ethyl Benzene
Concen: 0.739 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 91 Resp: 4824
Ion Ratio Lower Upper
91 100
106 35.1 25.2 37.8

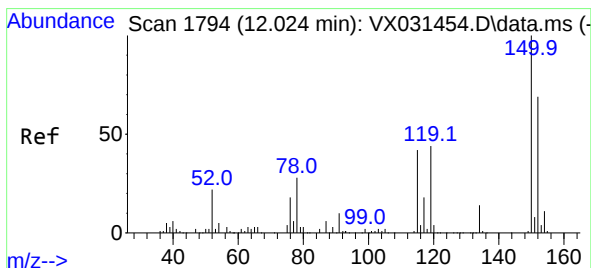
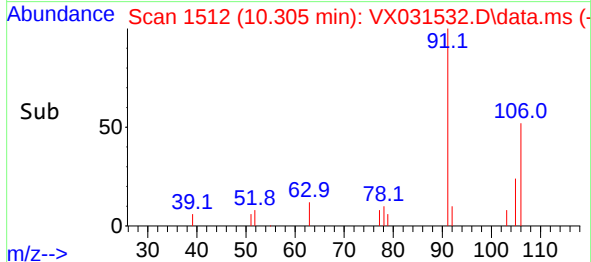
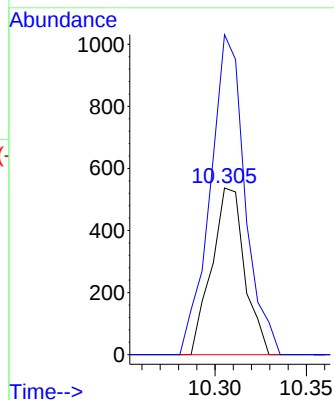
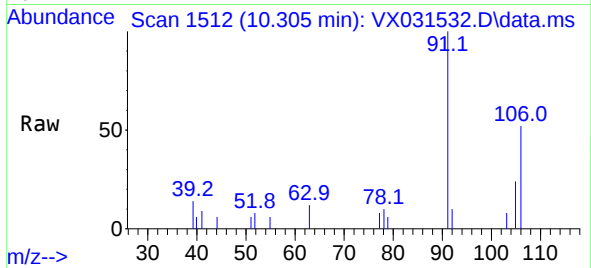




#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

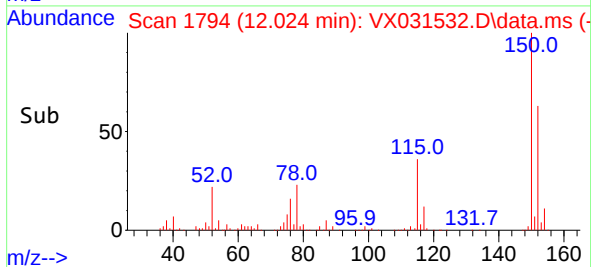
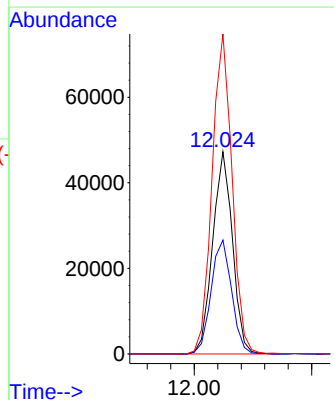
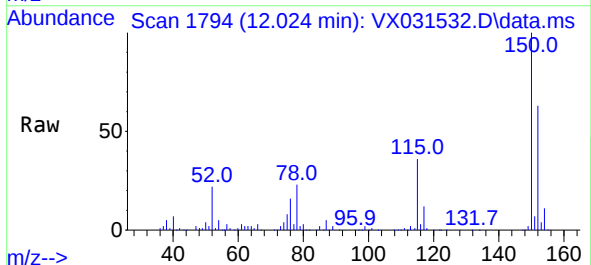
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

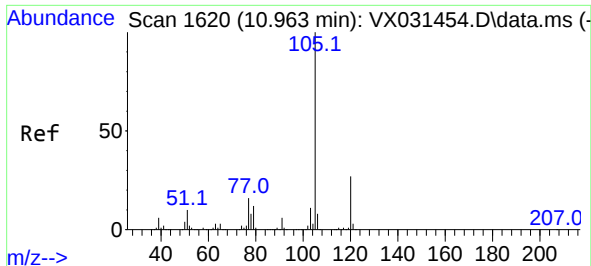
Tgt Ion:106 Resp: 673
Ion Ratio Lower Upper
106 100
91 202.7 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion:152 Resp: 55373
Ion Ratio Lower Upper
152 100
115 58.3 43.4 130.1
150 159.5 0.0 346.8

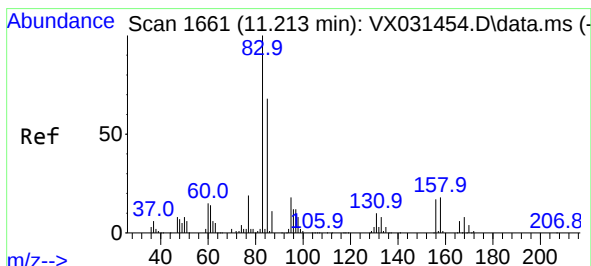
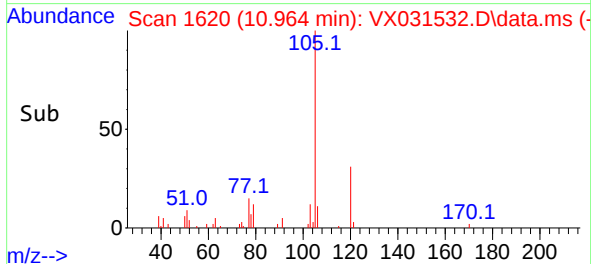
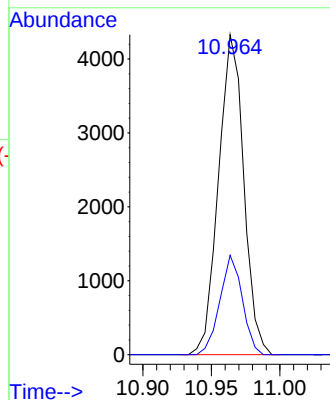
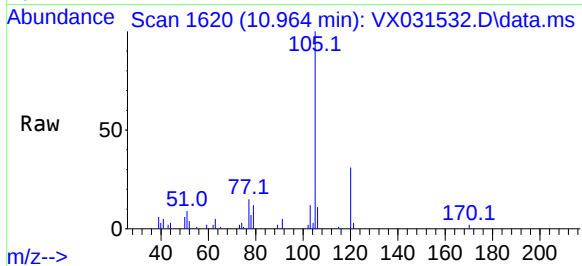




#73
Isopropylbenzene
Concen: 1.339 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

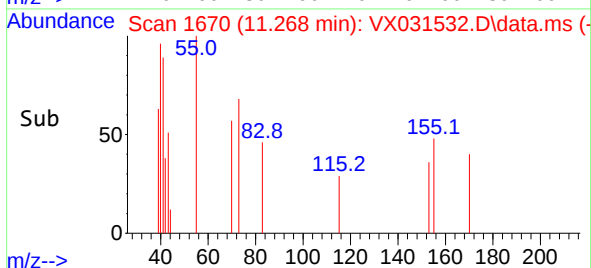
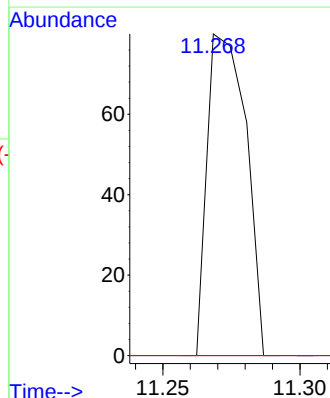
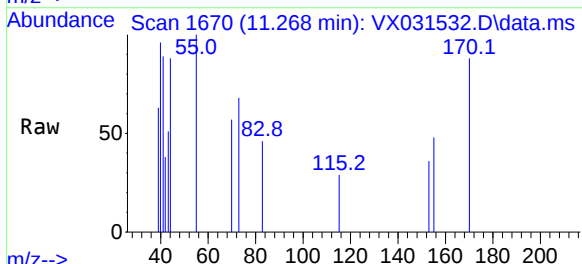
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

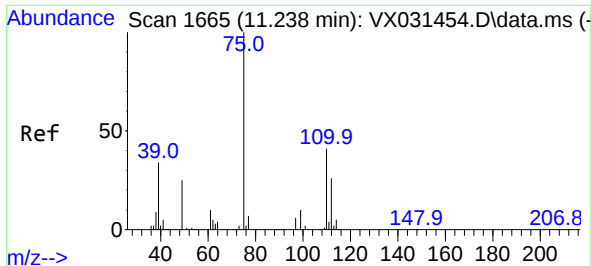
Tgt Ion:105 Resp: 5537
Ion Ratio Lower Upper
105 100
120 27.6 13.7 41.0



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.268 min Scan# 1670
Delta R.T. 0.055 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 83 Resp: 79
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#

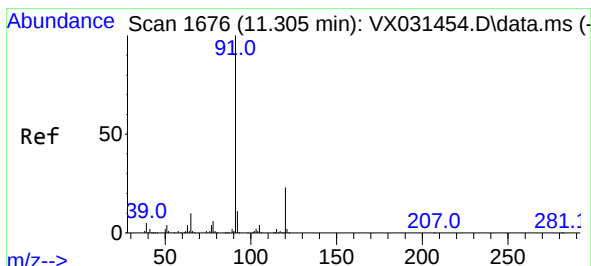
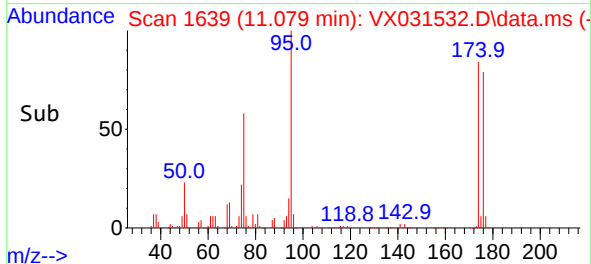
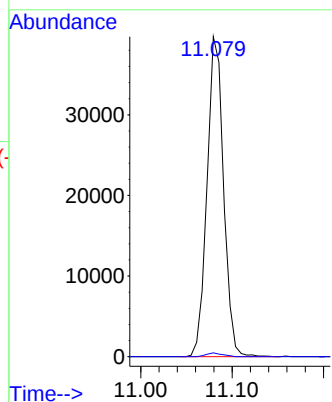
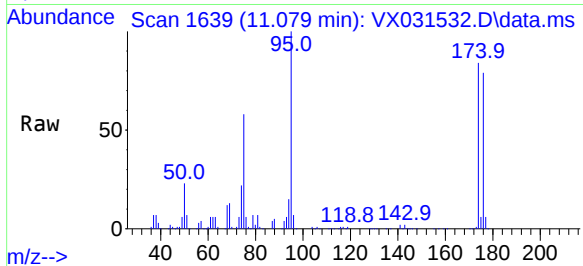




#76
1,2,3-Trichloropropane
Concen: 40.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

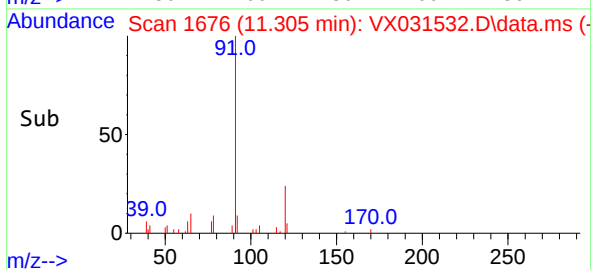
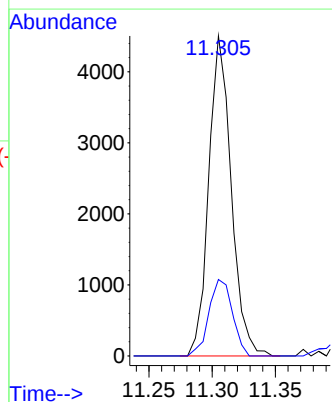
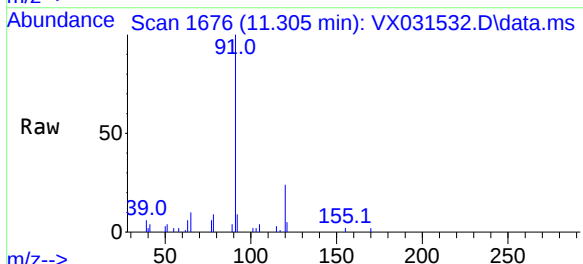
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

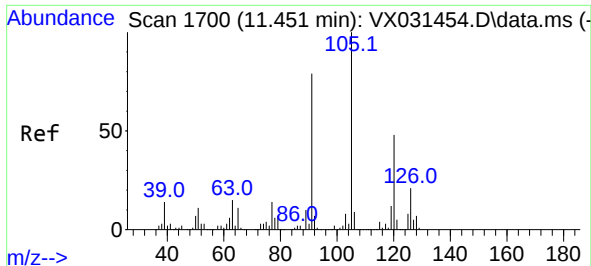
Tgt Ion: 75 Resp: 49790
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#78
n-propylbenzene
Concen: 1.169 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 91 Resp: 5563
Ion Ratio Lower Upper
91 100
120 25.0 11.8 35.4

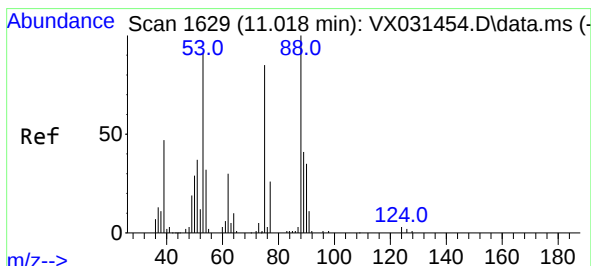
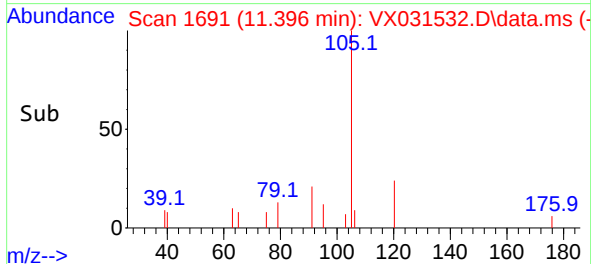
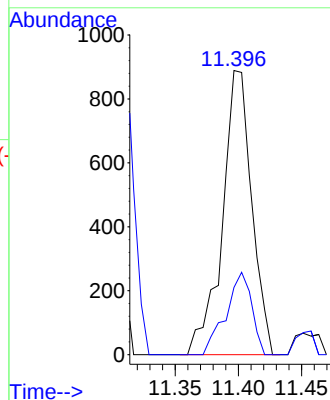
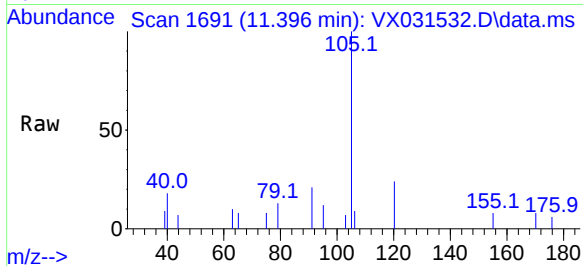




#80
1,3,5-Trimethylbenzene
Concen: 0.410 ug/l
RT: 11.396 min Scan# 1691
Delta R.T. -0.055 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

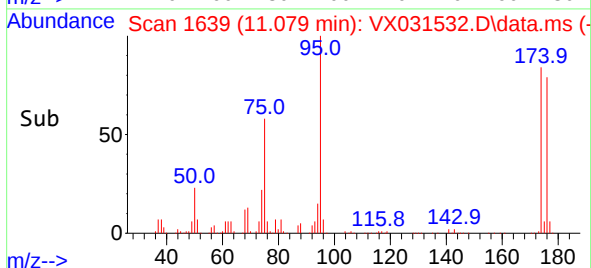
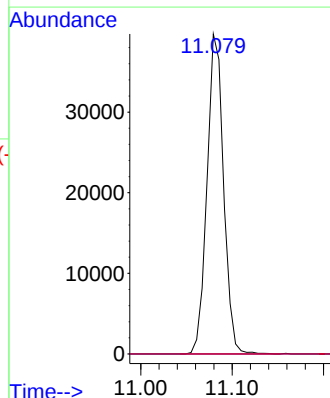
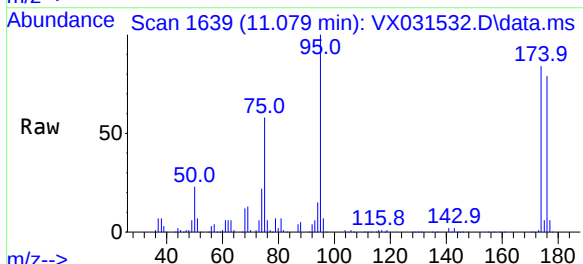
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

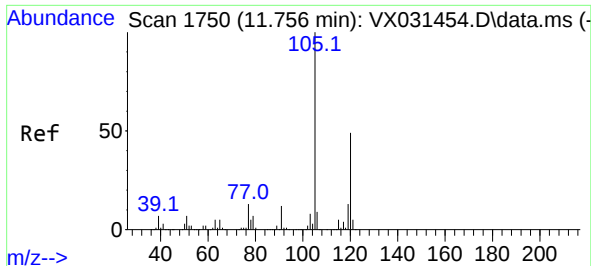
Tgt Ion:105 Resp: 1438
Ion Ratio Lower Upper
105 100
120 25.4 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 129.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion: 75 Resp: 49790
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

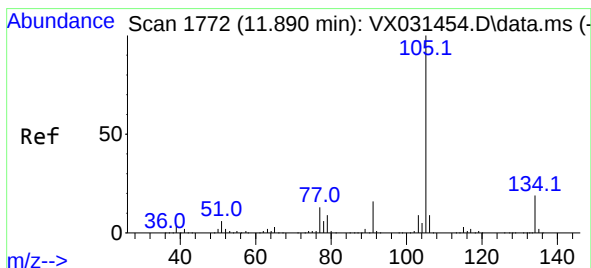
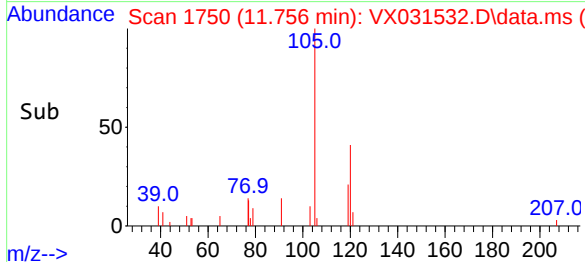
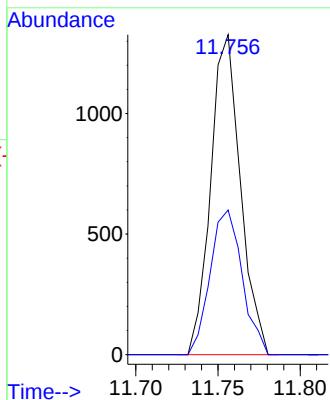
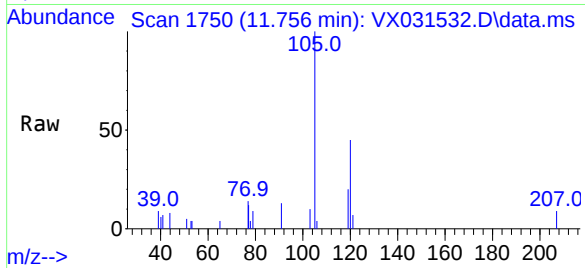




#84
1,2,4-Trimethylbenzene
Concen: 0.484 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

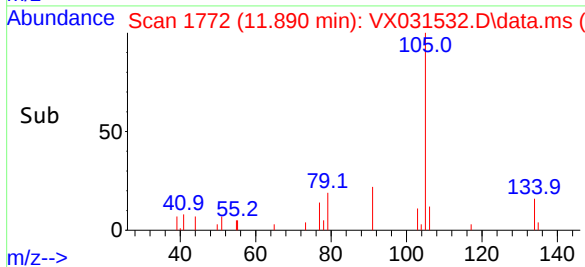
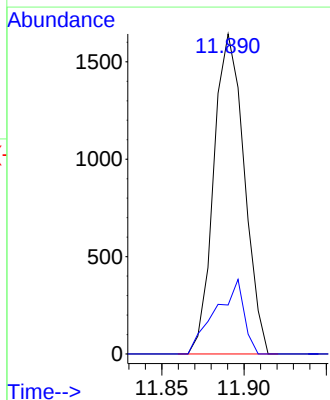
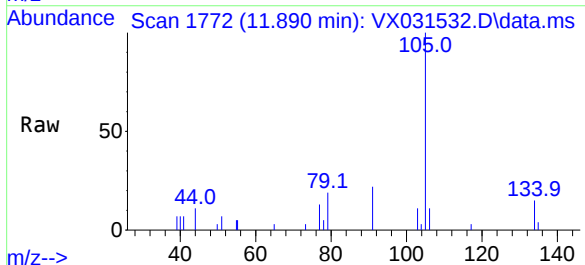
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

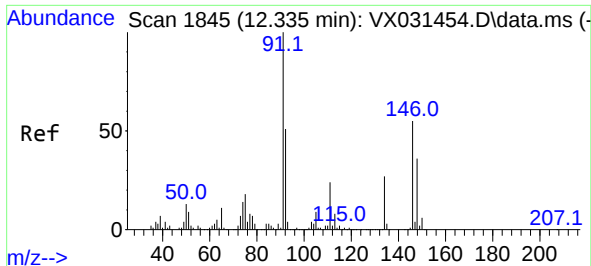
Tgt Ion:105 Resp: 1671
Ion Ratio Lower Upper
105 100
120 48.7 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.492 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031532.D
Acq: 21 Sep 2022 18:14

Tgt Ion:105 Resp: 2118
Ion Ratio Lower Upper
105 100
134 21.8 10.4 31.1





#89

n-Butylbenzene

Concen: 0.445 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

MW-23R

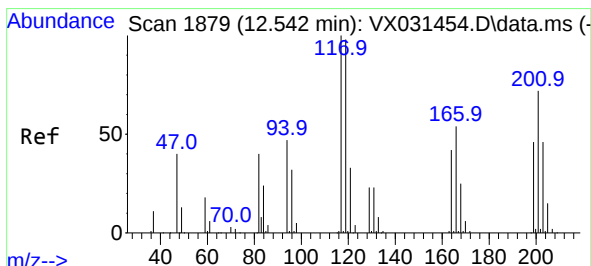
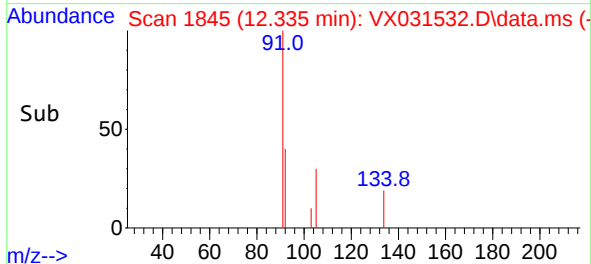
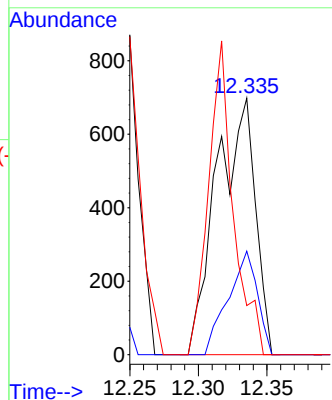
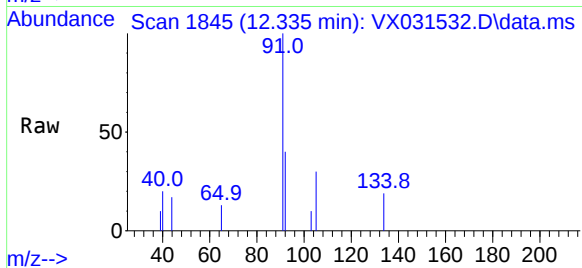
Tgt Ion: 91 Resp: 1378

Ion Ratio Lower Upper

91 100

92 30.3 27.0 81.0

134 77.9 13.3 39.9#



#90

Hexachloroethane

Concen: 5.700 ug/l

RT: 12.646 min Scan# 1896

Delta R.T. 0.104 min

Lab File: VX031532.D

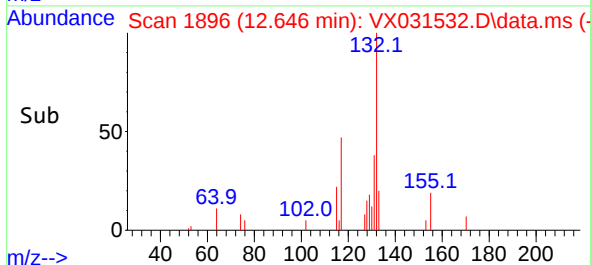
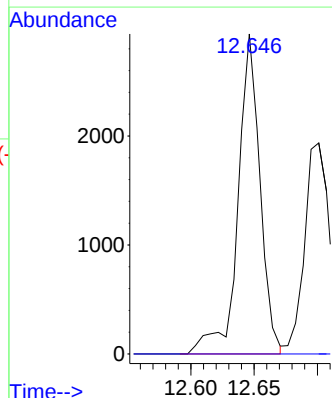
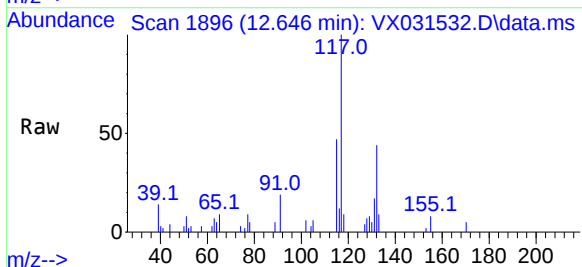
Acq: 21 Sep 2022 18:14

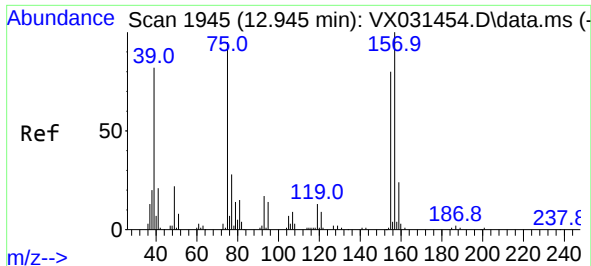
Tgt Ion: 117 Resp: 3560

Ion Ratio Lower Upper

117 100

201 0.0 34.8 104.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.486 ug/l

RT: 13.164 min Scan# 1945

Delta R.T. 0.219 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Instrument :

MSVOA_X

ClientSampleId :

MW-23R

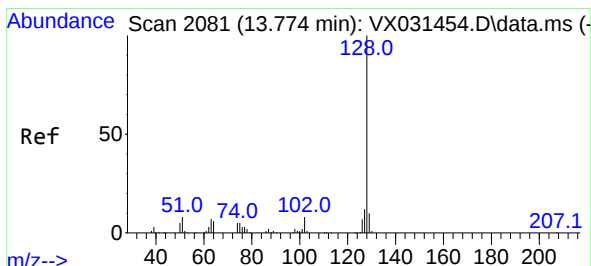
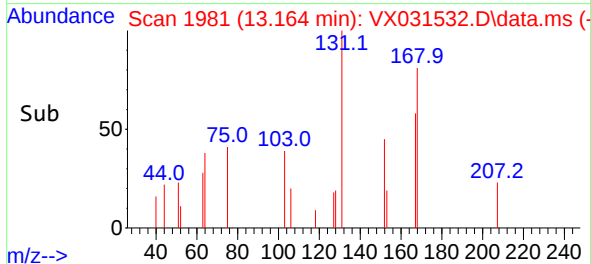
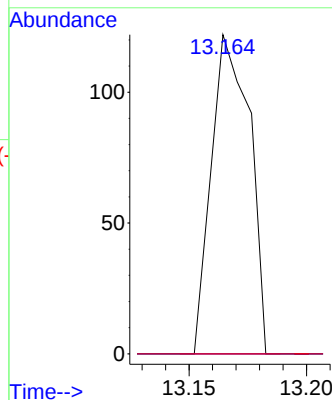
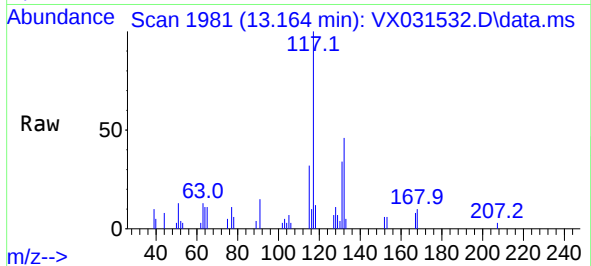
Tgt Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

155 0.0 40.3 120.8#

157 0.0 51.5 154.5#



#95

Napthalene

Concen: 1.319 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031532.D

Acq: 21 Sep 2022 18:14

Tgt Ion: 128 Resp: 5235

Ion Ratio Lower Upper

128 100

127 15.1 10.4 15.6

129 11.5 8.8 13.2

