

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033238.D
 Acq On : 05 Dec 2022 20:04
 Operator : JC/MD
 Sample : N5875-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38D

Quant Time: Dec 06 06:01:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

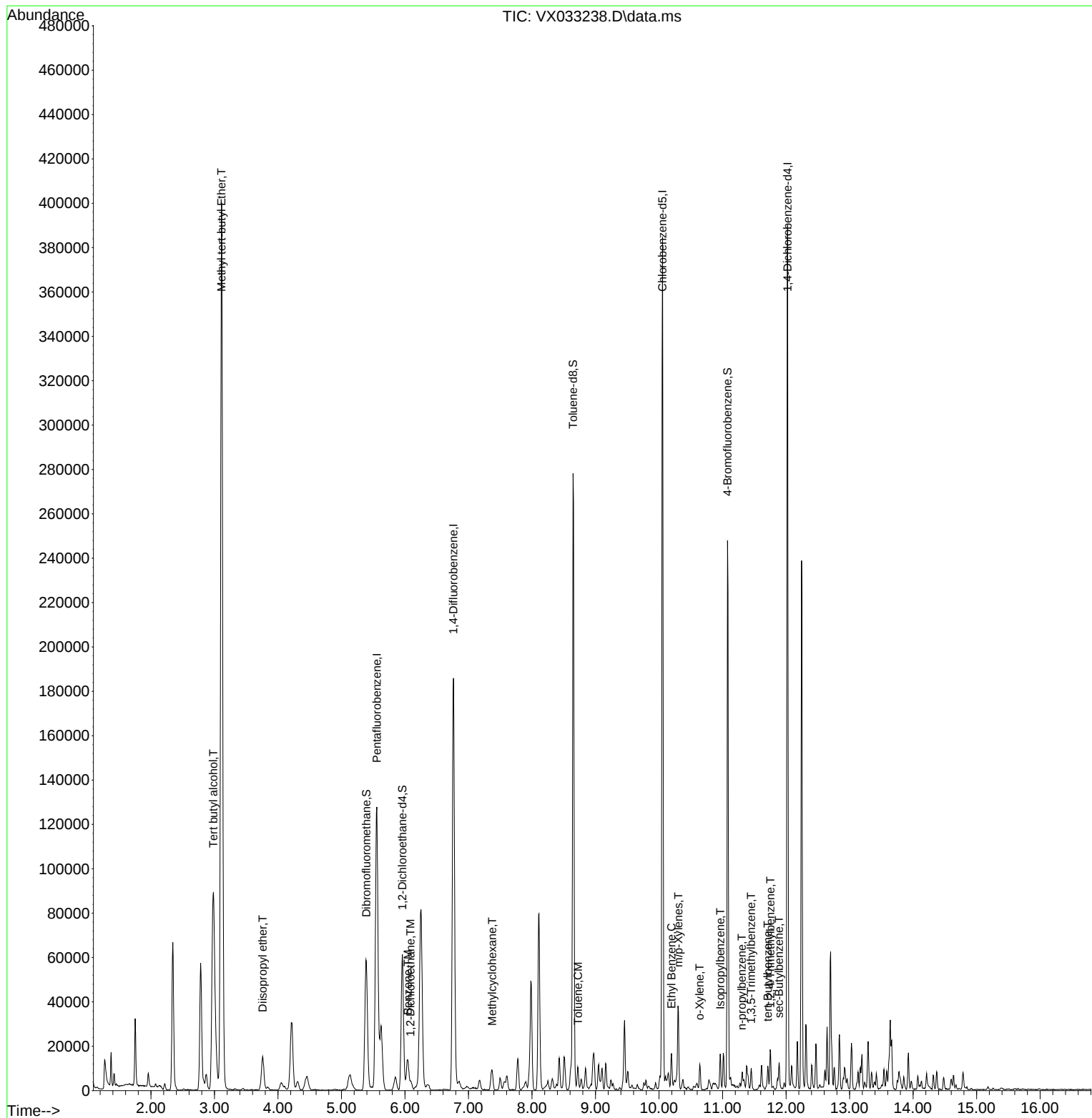
Internal Standards						
1) Pentafluorobenzene	5.556	168	122148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60989	51.171	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.340%			
35) Dibromofluoromethane	5.391	113	52136	47.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.600%			
50) Toluene-d8	8.647	98	165902	50.024	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.079	95	64351	44.443	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.880%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	161692	857.486	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	441631	119.464	ug/l	99
22) Diisopropyl ether	3.757	45	15550	4.150	ug/l #	82
39) Methylcyclohexane	7.373	83	2546	1.266	ug/l #	43
40) Benzene	6.044	78	17312	3.503	ug/l	98
42) 1,2-Dichloroethane	6.086	62	3737	1.878	ug/l	91
52) Toluene	8.726	92	3922	1.206	ug/l	94
67) Ethyl Benzene	10.195	91	9648	1.579	ug/l	100
68) m/p-Xylenes	10.305	106	8549	3.572	ug/l	94
69) o-Xylene	10.640	106	2210	0.954	ug/l	96
73) Isopropylbenzene	10.963	105	7889	1.355	ug/l	97
78) n-propylbenzene	11.305	91	2724	0.409	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	4085	0.835	ug/l	95
83) tert-Butylbenzene	11.713	119	3382	0.695	ug/l	83
84) 1,2,4-Trimethylbenzene	11.756	105	8124	1.666	ug/l	99
85) sec-Butylbenzene	11.890	105	5490	0.943	ug/l #	75

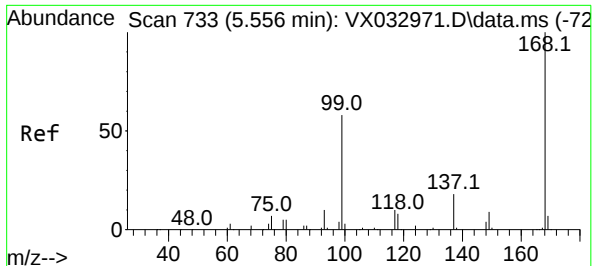
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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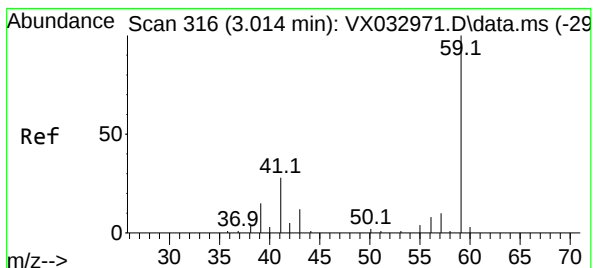
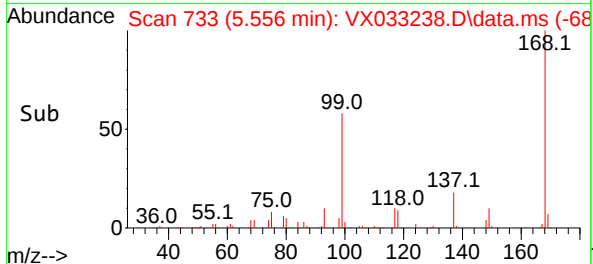
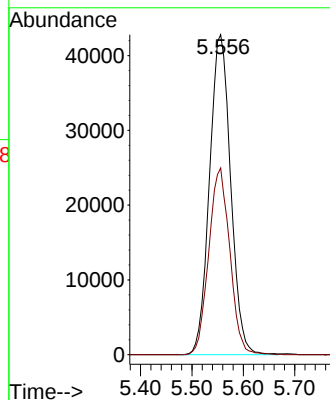
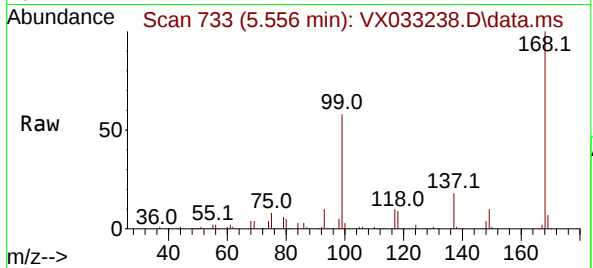




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

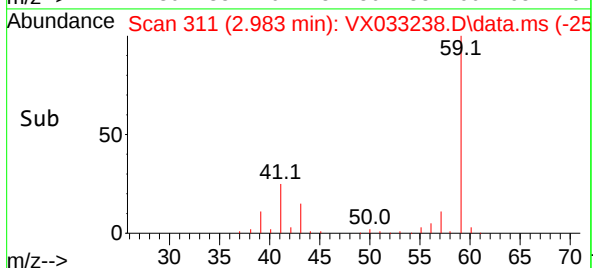
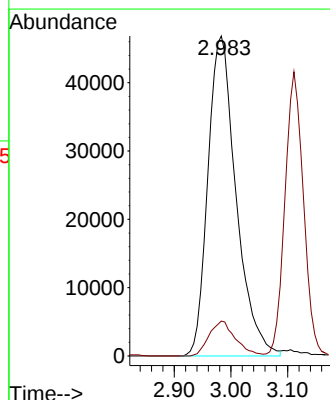
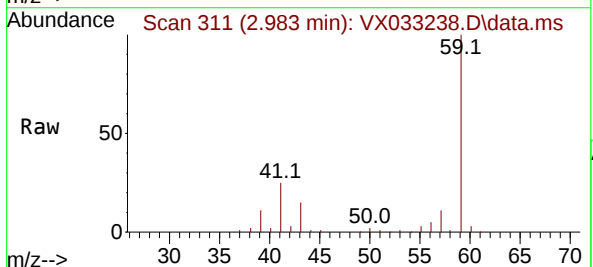
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

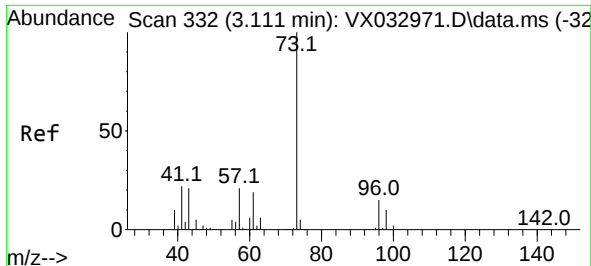
Tgt Ion:168 Resp: 122148
Ion Ratio Lower Upper
168 100
99 58.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 857.486 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion: 59 Resp: 161692
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

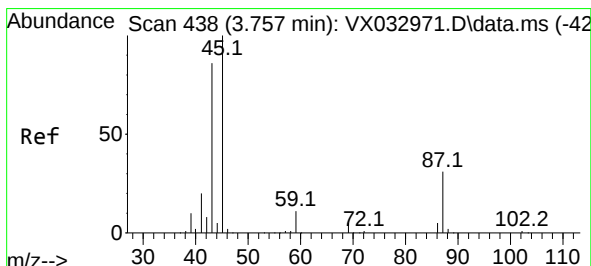
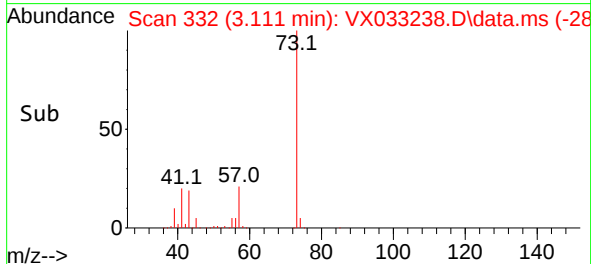
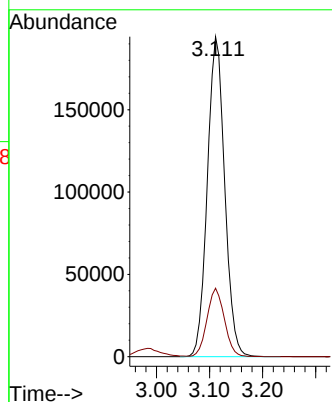
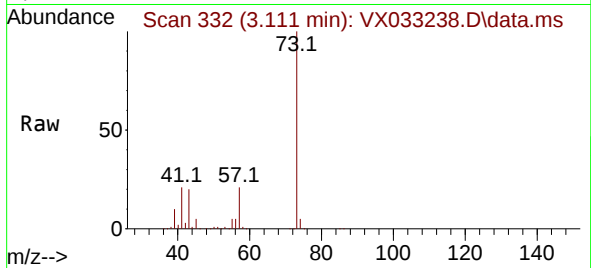




#19
Methyl tert-butyl Ether
Concen: 119.464 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

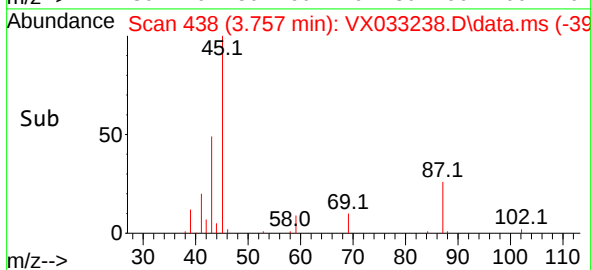
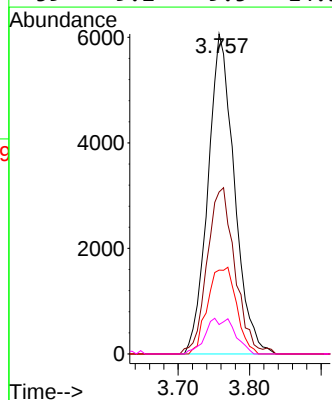
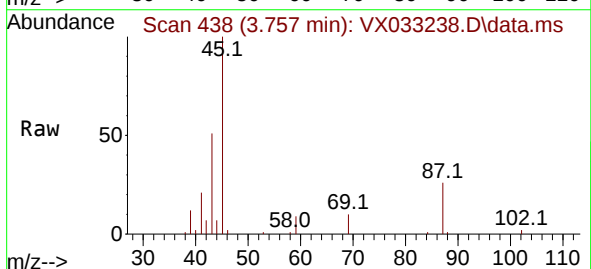
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

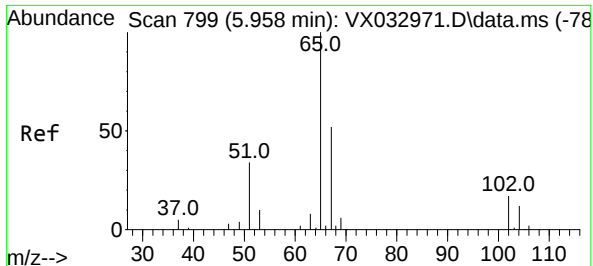
Tgt Ion: 73 Resp: 441631
Ion Ratio Lower Upper
73 100
57 21.4 16.6 25.0



#22
Diisopropyl ether
Concen: 4.150 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion: 45 Resp: 15550
Ion Ratio Lower Upper
45 100
43 50.6 56.4 84.6#
87 26.2 24.4 36.6
59 9.2 9.5 14.3#





#33

1,2-Dichloroethane-d4

Concen: 51.171 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033238.D

Acq: 05 Dec 2022 20:04

Instrument :

MSVOA_X

ClientSampleId :

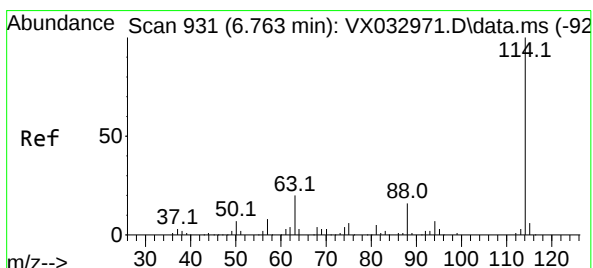
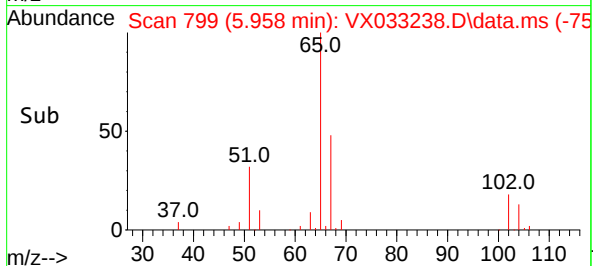
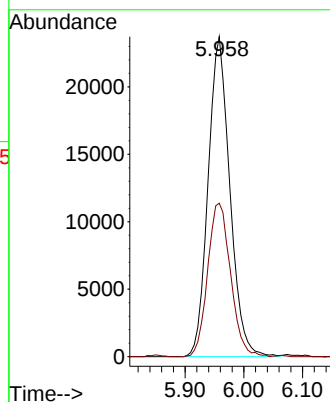
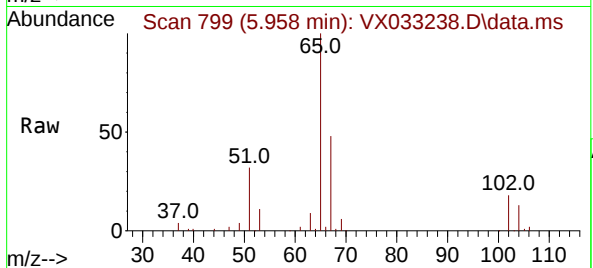
MW-38D

Tgt Ion: 65 Resp: 60989

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033238.D

Acq: 05 Dec 2022 20:04

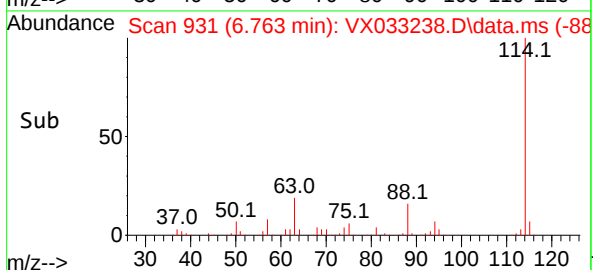
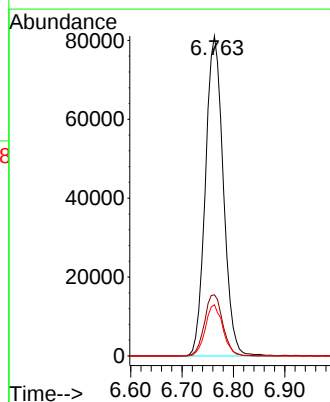
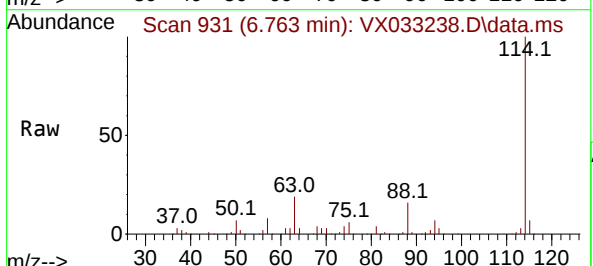
Tgt Ion: 114 Resp: 195518

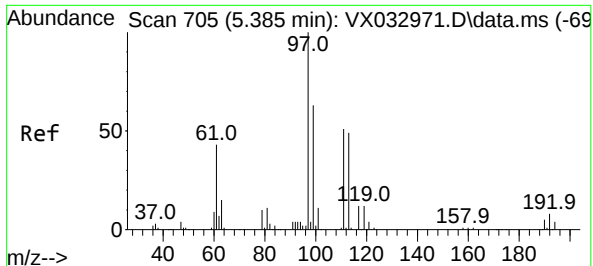
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

88 16.0 0.0 33.4

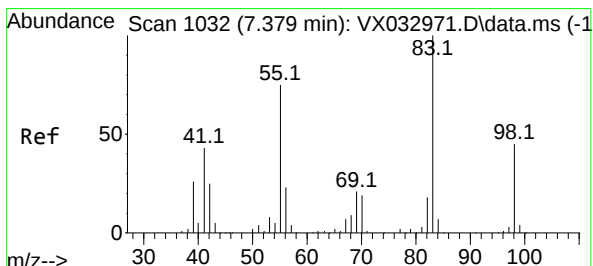
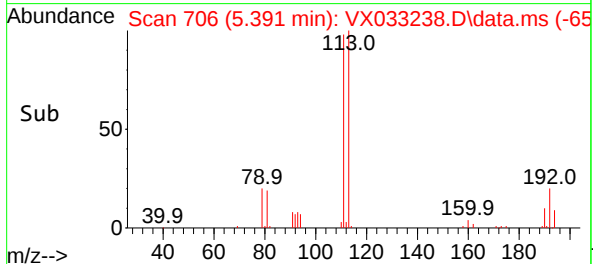
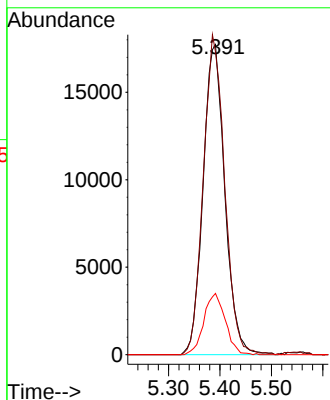
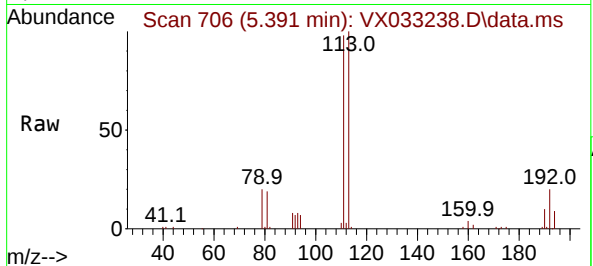




#35
Dibromofluoromethane
Concen: 47.299 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

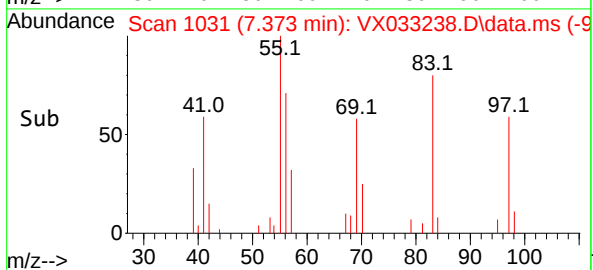
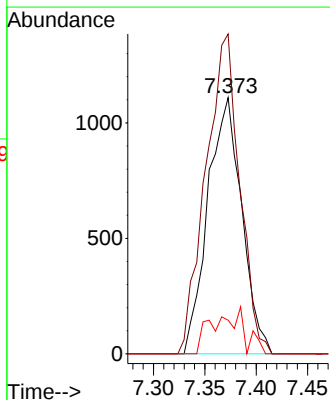
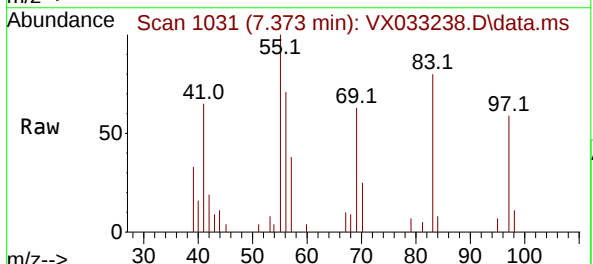
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

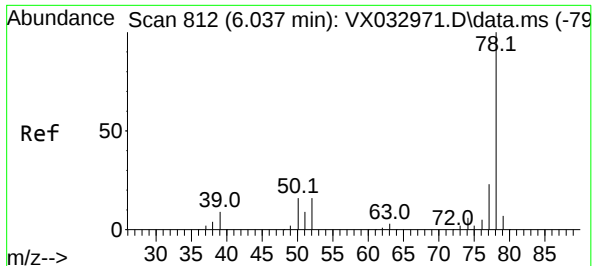
Tgt Ion:113 Resp: 52136
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 19.5 15.4 23.2



#39
Methylcyclohexane
Concen: 1.266 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion: 83 Resp: 2546
Ion Ratio Lower Upper
83 100
55 124.9 58.4 87.6#
98 13.2 37.2 55.8#

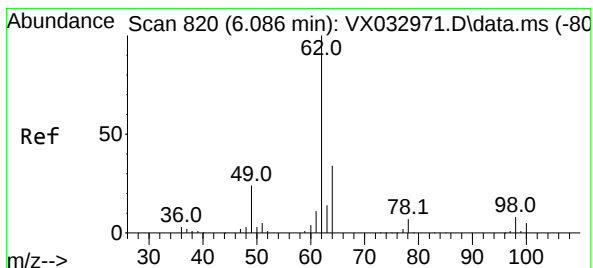
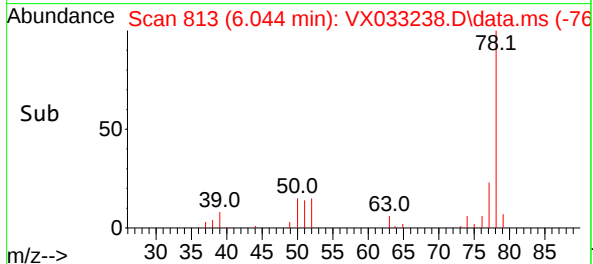
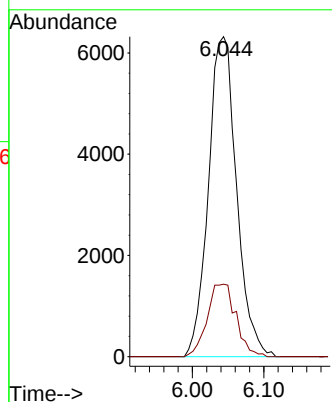
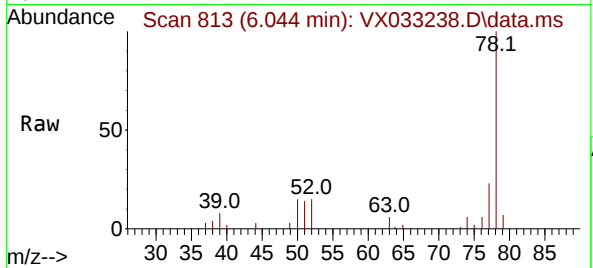




#40
Benzene
Concen: 3.503 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

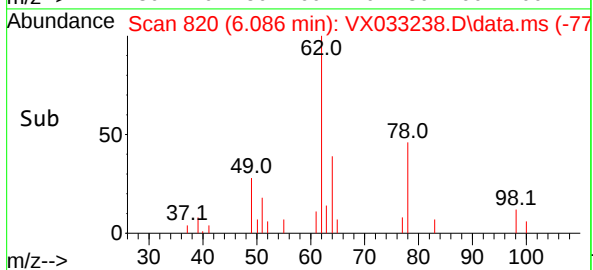
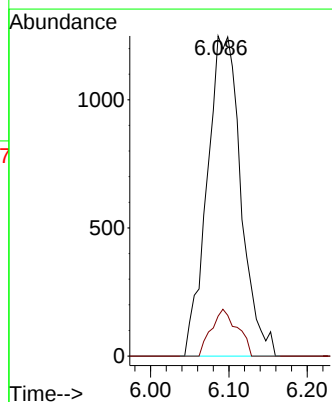
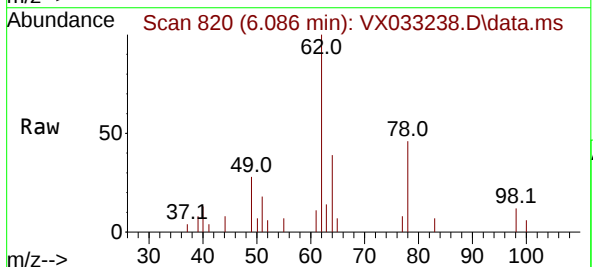
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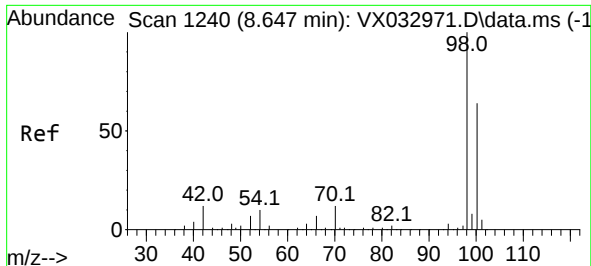
Tgt Ion: 78 Resp: 17312
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4



#42
1,2-Dichloroethane
Concen: 1.878 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion: 62 Resp: 3737
Ion Ratio Lower Upper
62 100
98 11.3 0.0 16.0

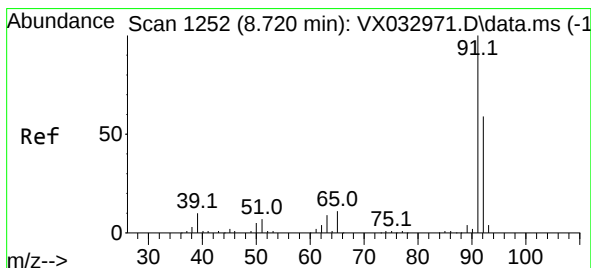
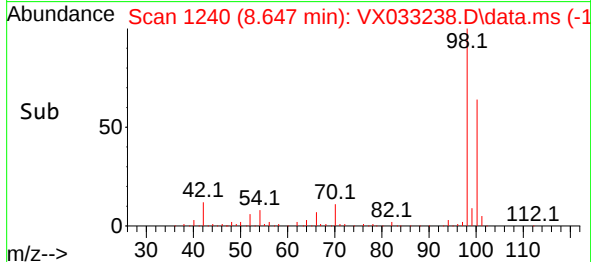
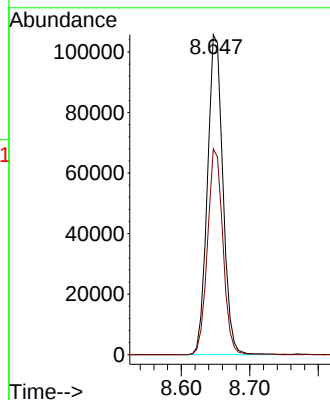
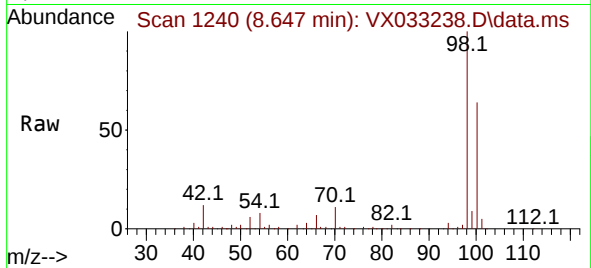




#50
Toluene-d8
Concen: 50.024 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

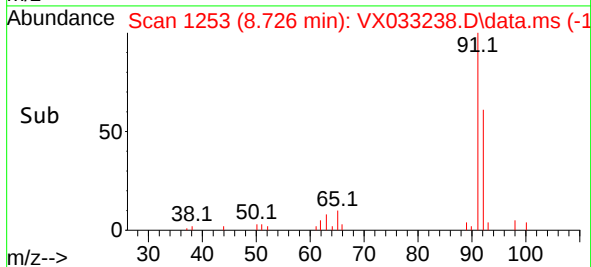
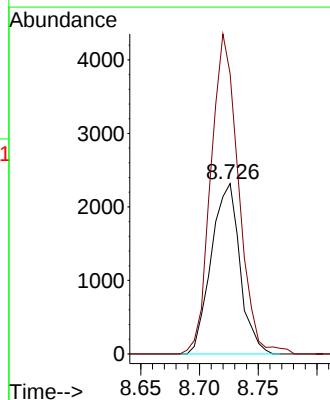
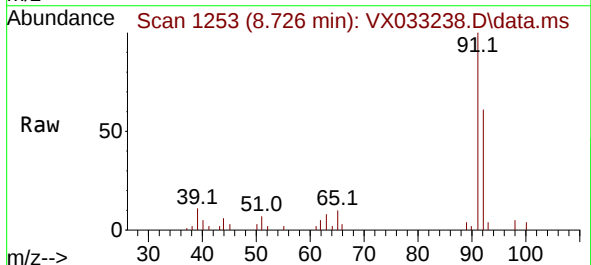
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MW-38D

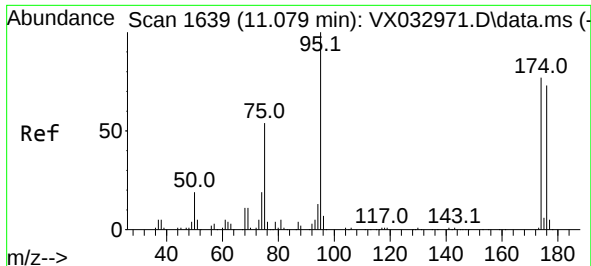
Tgt Ion: 98 Resp: 165902
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#52
Toluene
Concen: 1.206 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion: 92 Resp: 3922
Ion Ratio Lower Upper
92 100
91 181.7 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 44.443 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033238.D

Acq: 05 Dec 2022 20:04

Instrument :

MSVOA_X

ClientSampleId :

MW-38D

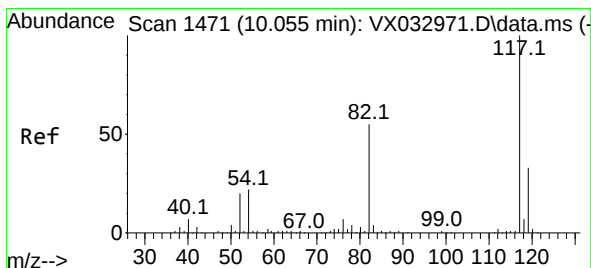
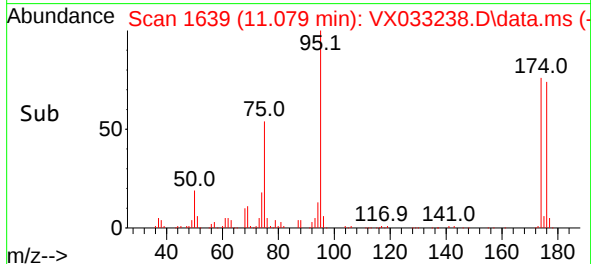
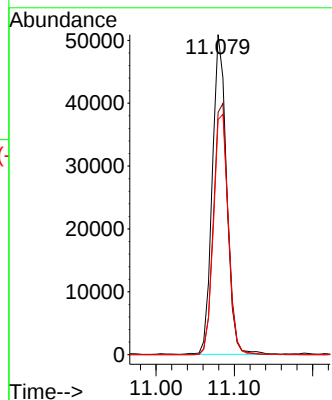
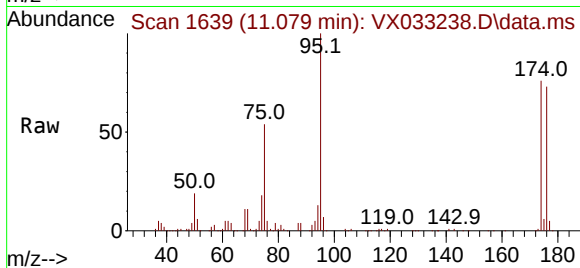
Tgt Ion: 95 Resp: 64351

Ion Ratio Lower Upper

95 100

174 81.0 0.0 164.0

176 78.1 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033238.D

Acq: 05 Dec 2022 20:04

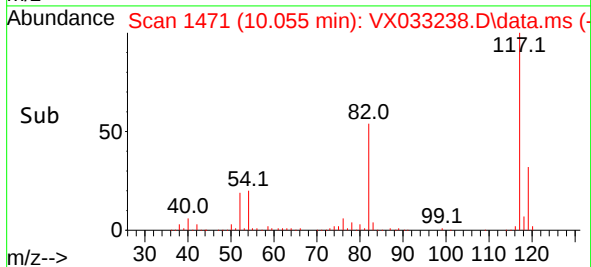
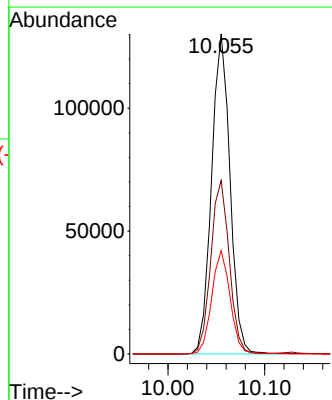
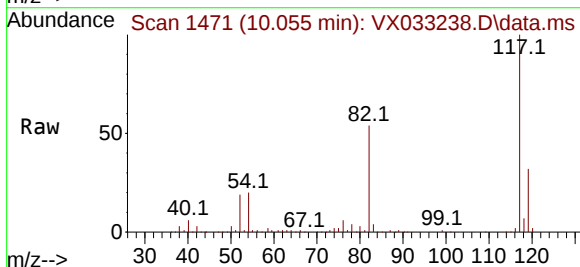
Tgt Ion: 117 Resp: 172821

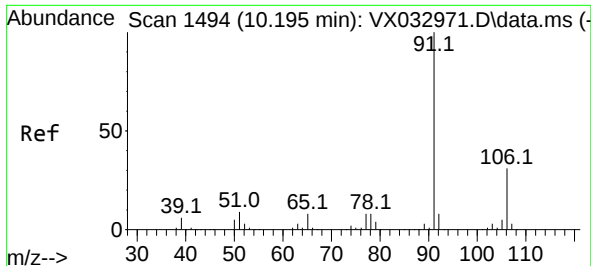
Ion Ratio Lower Upper

117 100

82 54.2 44.3 66.5

119 32.3 25.7 38.5

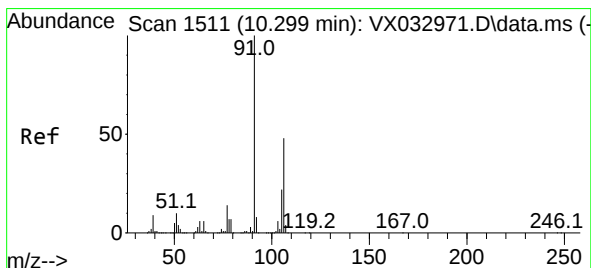
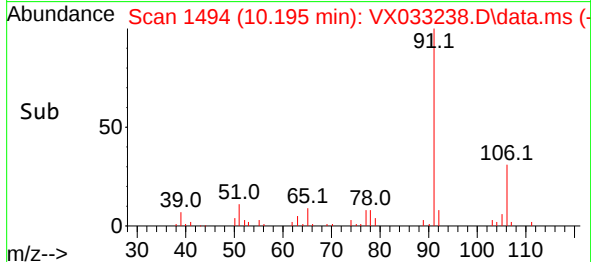
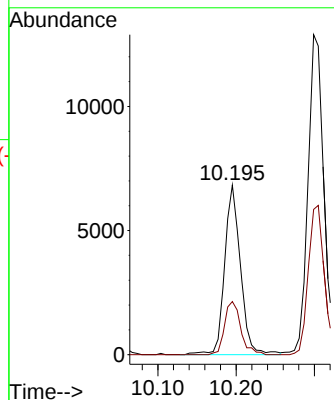
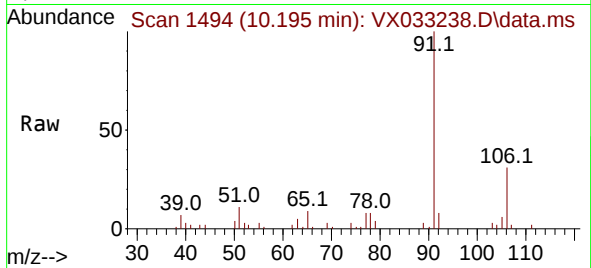




#67
Ethyl Benzene
Concen: 1.579 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

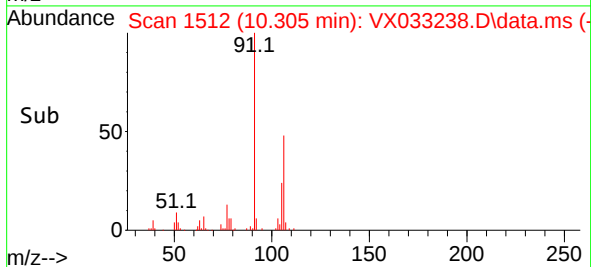
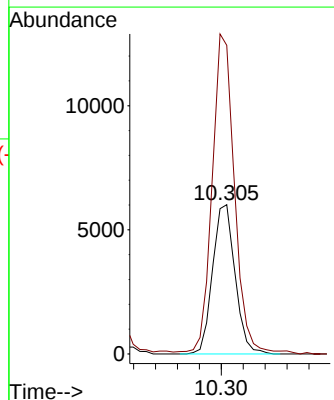
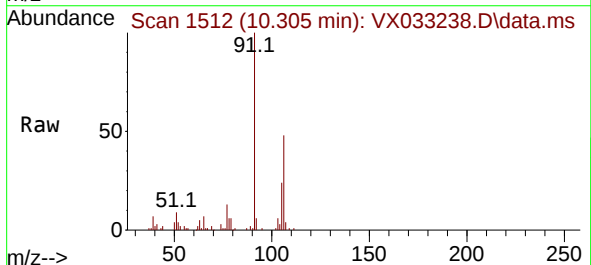
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

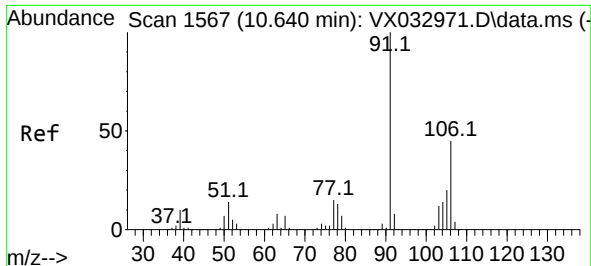
Tgt Ion: 91 Resp: 9648
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 3.572 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion: 106 Resp: 8549
Ion Ratio Lower Upper
106 100
91 214.7 164.5 246.7

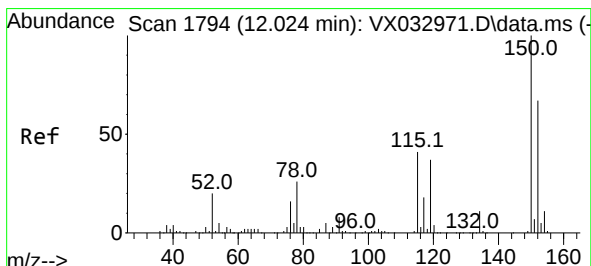
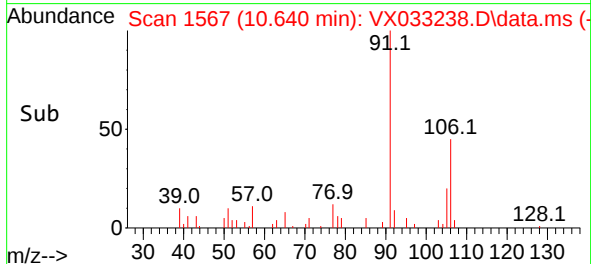
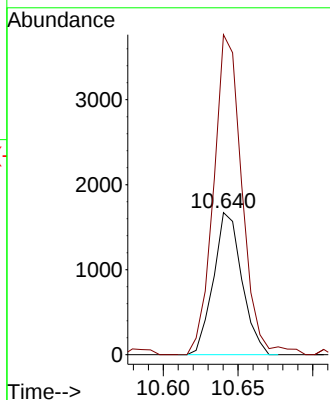
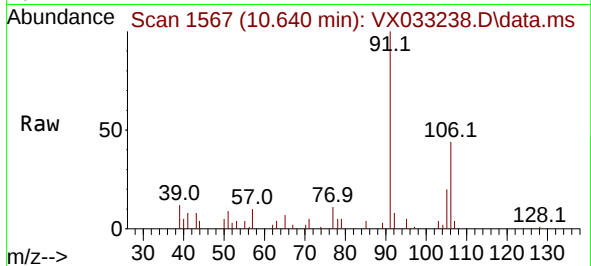




#69
o-Xylene
Concen: 0.954 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

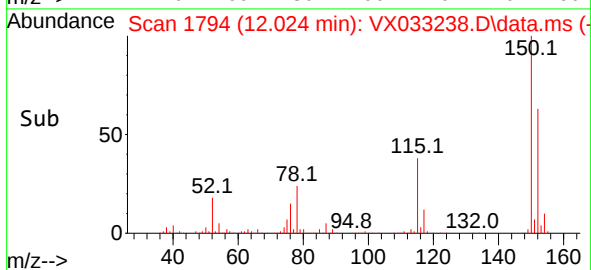
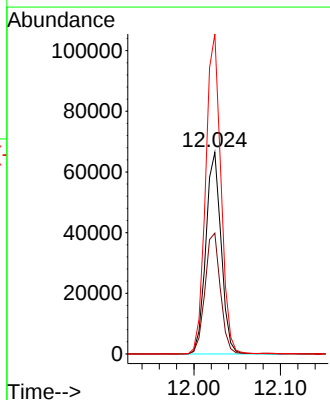
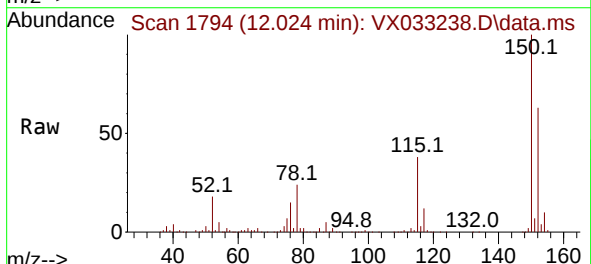
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

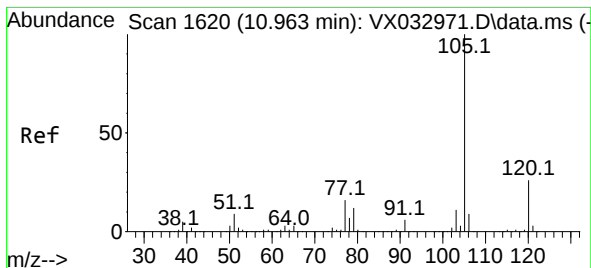
Tgt Ion:106 Resp: 2210
Ion Ratio Lower Upper
106 100
91 224.9 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion:152 Resp: 81468
Ion Ratio Lower Upper
152 100
115 60.6 44.0 132.0
150 158.5 0.0 351.8





#73

Isopropylbenzene

Concen: 1.355 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033238.D

Acq: 05 Dec 2022 20:04

Instrument :

MSVOA_X

ClientSampleId :

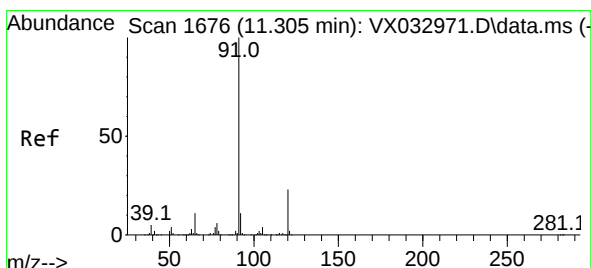
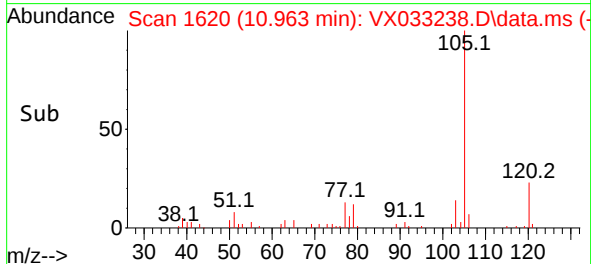
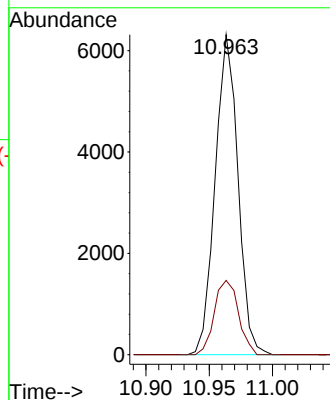
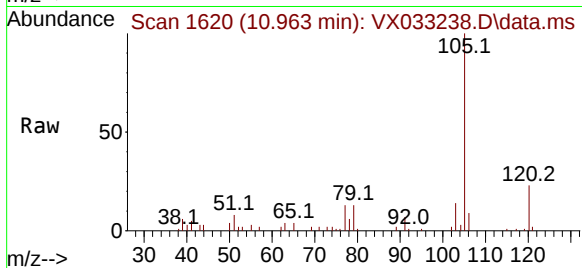
MW-38D

Tgt Ion:105 Resp: 7889

Ion Ratio Lower Upper

105 100

120 24.6 13.1 39.3



#78

n-propylbenzene

Concen: 0.409 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033238.D

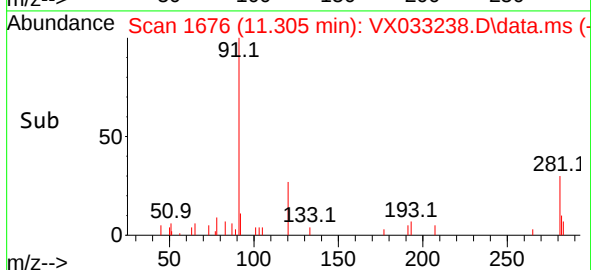
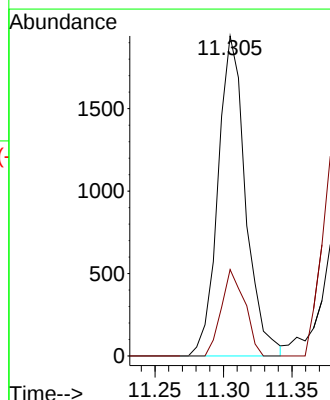
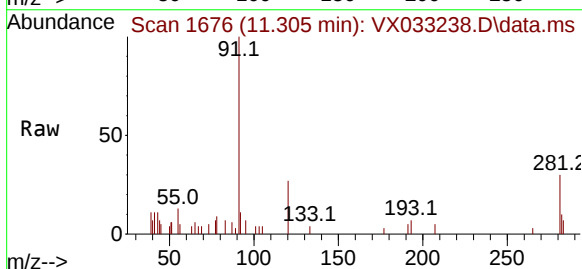
Acq: 05 Dec 2022 20:04

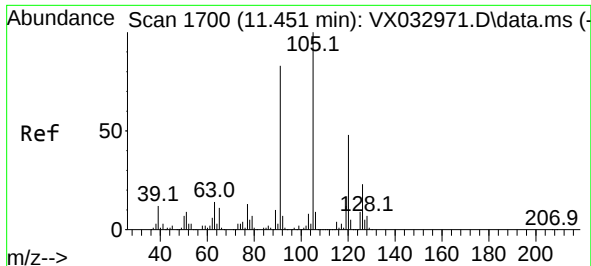
Tgt Ion: 91 Resp: 2724

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.8

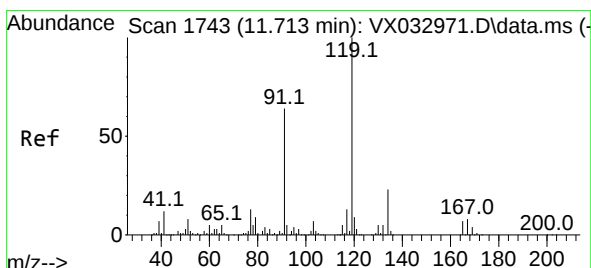
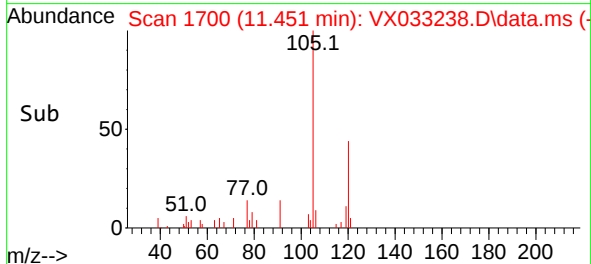
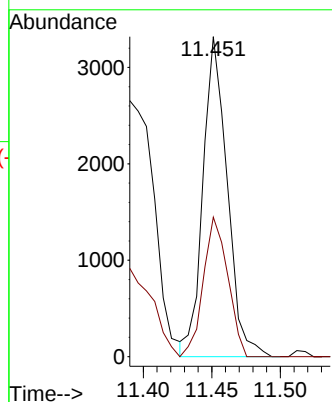
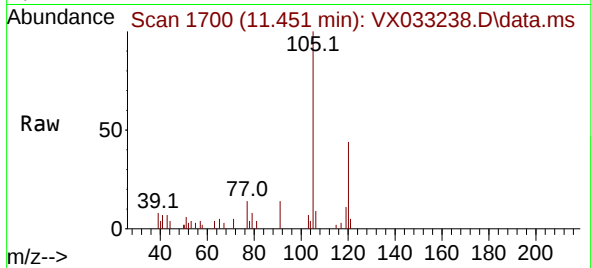




#80
 1,3,5-Trimethylbenzene
 Concen: 0.835 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033238.D
 Acq: 05 Dec 2022 20:04

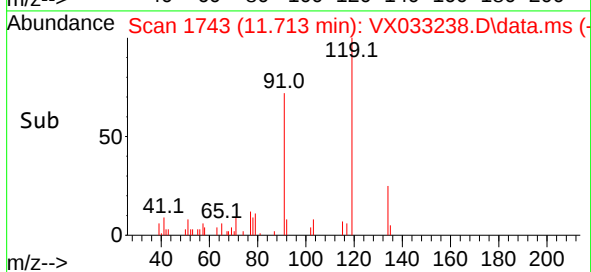
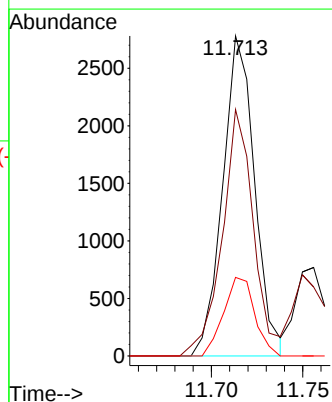
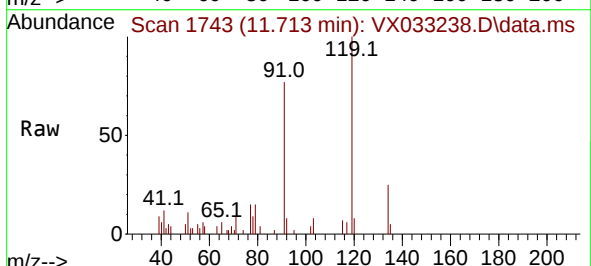
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38D

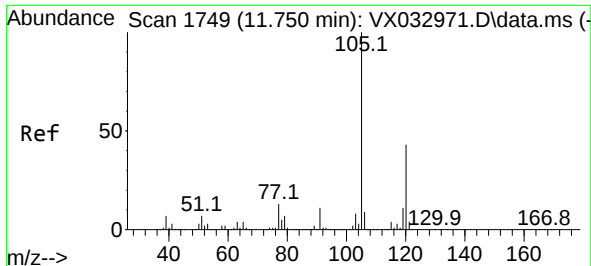
Tgt Ion:105 Resp: 4085
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.6 71.0



#83
 tert-Butylbenzene
 Concen: 0.695 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX033238.D
 Acq: 05 Dec 2022 20:04

Tgt Ion:119 Resp: 3382
 Ion Ratio Lower Upper
 119 100
 91 75.2 29.4 88.2
 134 24.0 11.0 33.0

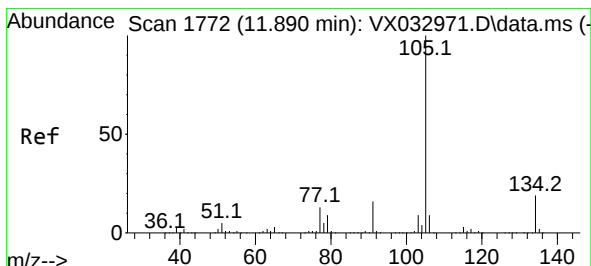
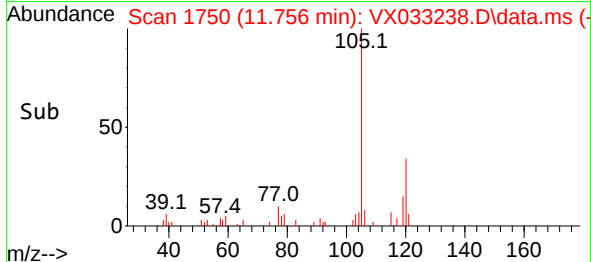
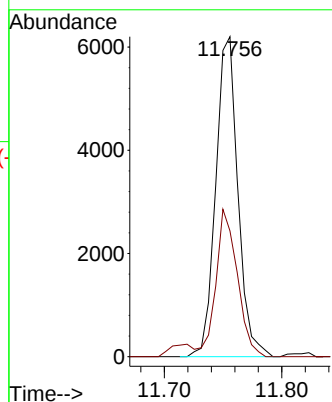
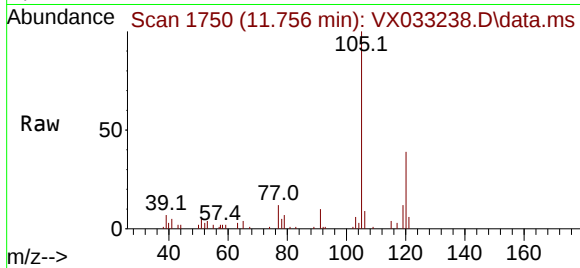




#84
1,2,4-Trimethylbenzene
Concen: 1.666 ug/l
RT: 11.756 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Instrument :
MSVOA_X
ClientSampleId :
MW-38D

Tgt Ion:105 Resp: 8124
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.943 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033238.D
Acq: 05 Dec 2022 20:04

Tgt Ion:105 Resp: 5490
Ion Ratio Lower Upper
105 100
134 31.5 9.9 29.7#

