

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033053.D
 Acq On : 24 Nov 2022 10:39
 Operator : JC/MD
 Sample : N5747-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-28

Quant Time: Nov 25 06:39:35 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)

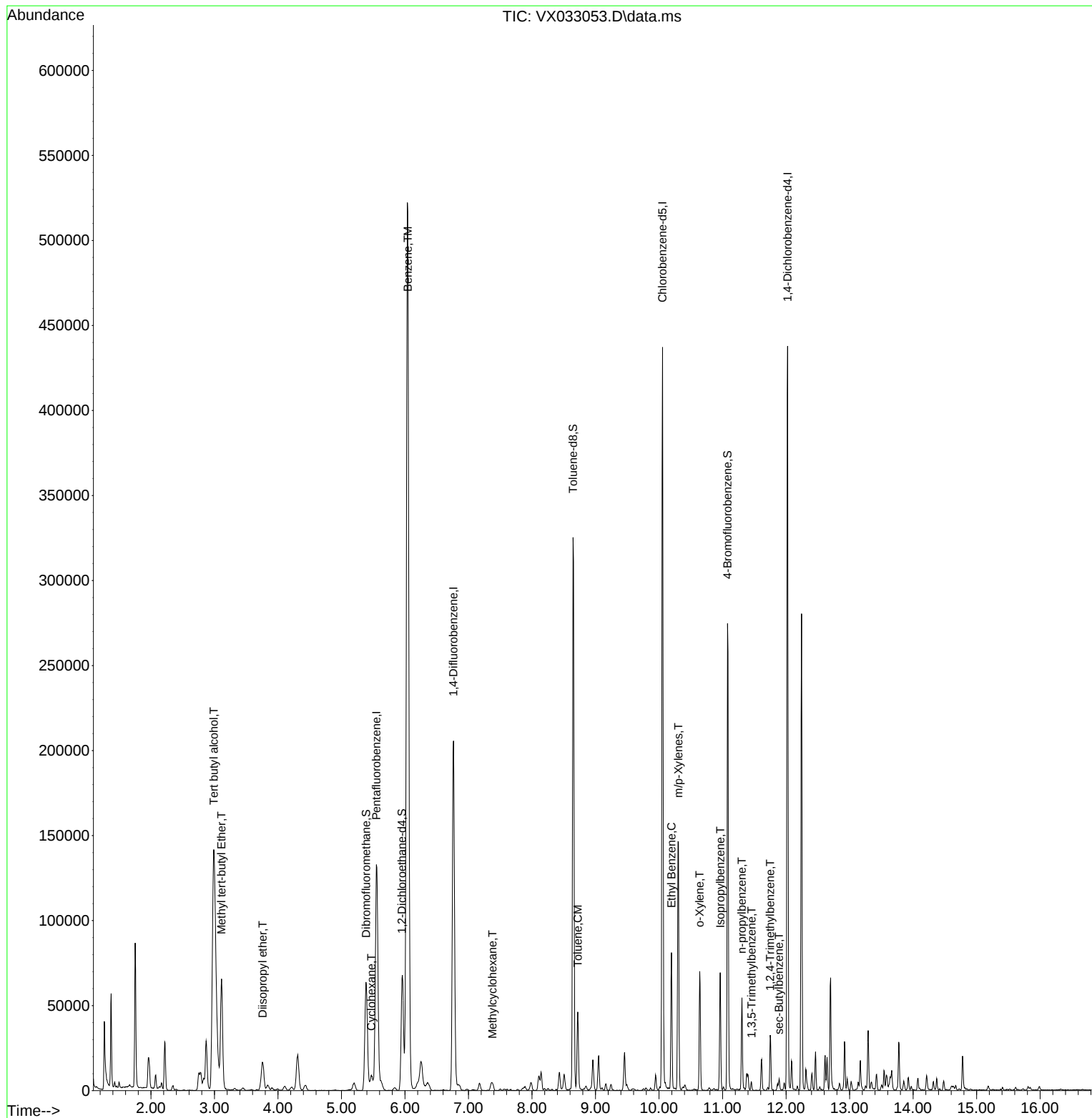
Internal Standards						
1) Pentafluorobenzene	5.550	168	126723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	210084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69198	56.276	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.560%	
35) Dibromofluoromethane	5.385	113	54649	46.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.280%	
50) Toluene-d8	8.647	98	190152	53.512	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	11.079	95	69832	44.885	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	288127	1472.832	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	63593	16.581	ug/l #	81
22) Diisopropyl ether	3.757	45	16641	4.281	ug/l #	84
31) Cyclohexane	5.470	56	5927	2.964	ug/l	94
39) Methylcyclohexane	7.379	83	1629	0.754	ug/l #	84
40) Benzene	6.043	78	628209	118.314	ug/l	100
52) Toluene	8.720	92	17526	5.017	ug/l	100
67) Ethyl Benzene	10.195	91	44112	6.598	ug/l	98
68) m/p-Xylenes	10.305	106	34886	13.325	ug/l	100
69) o-Xylene	10.640	106	14890	5.878	ug/l	95
73) Isopropylbenzene	10.963	105	34593	5.292	ug/l	98
78) n-propylbenzene	11.305	91	31102	4.161	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	2256	0.411	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	14406	2.631	ug/l	100
85) sec-Butylbenzene	11.890	105	3638	0.556	ug/l	95

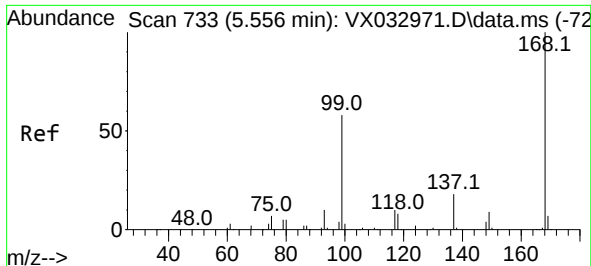
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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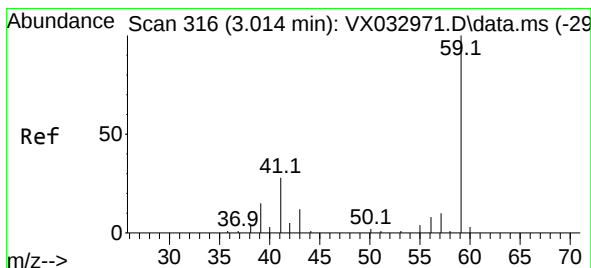
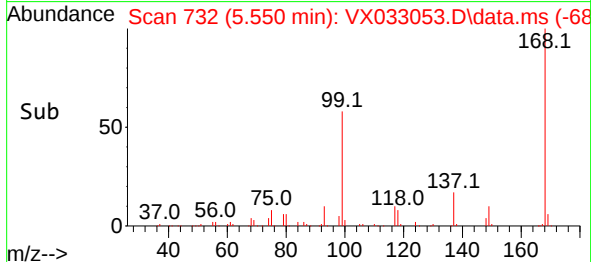
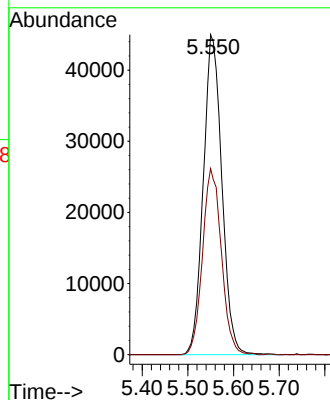
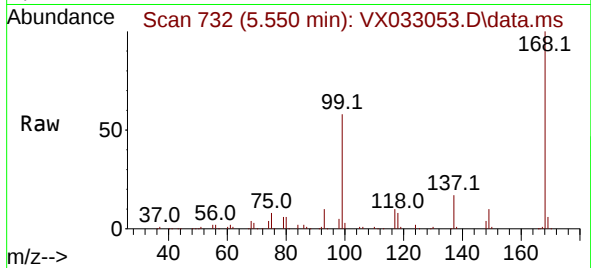




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

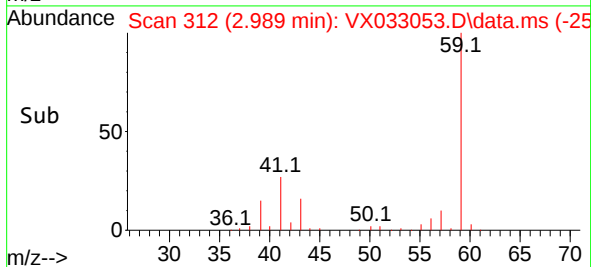
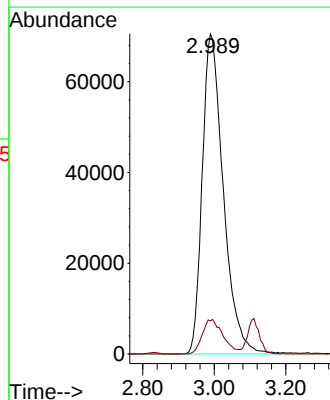
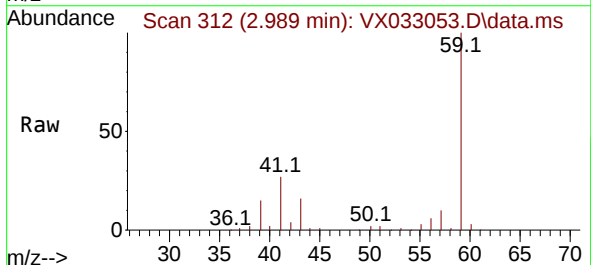
Instrument :
MSVOA_X
ClientSampleId :
MW-28

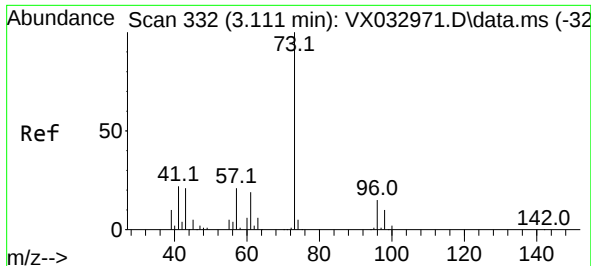
Tgt Ion:168 Resp: 126723
Ion Ratio Lower Upper
168 100
99 58.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 1472.832 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion: 59 Resp: 288127
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

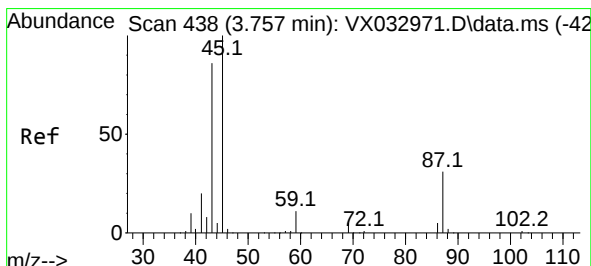
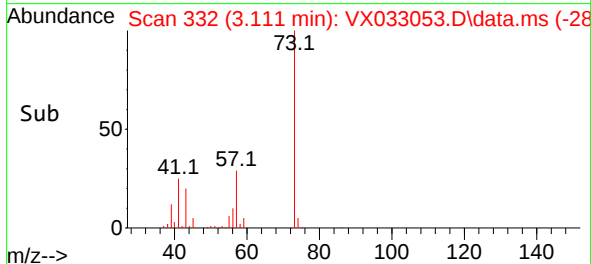
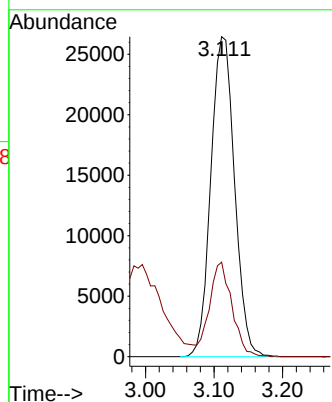
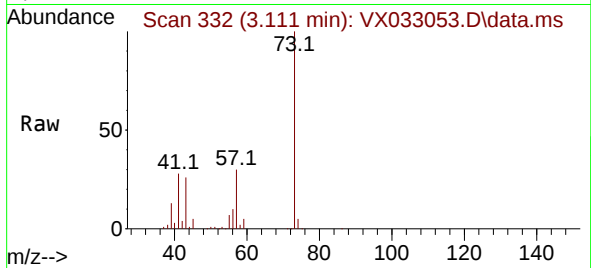




#19
Methyl tert-butyl Ether
Concen: 16.581 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

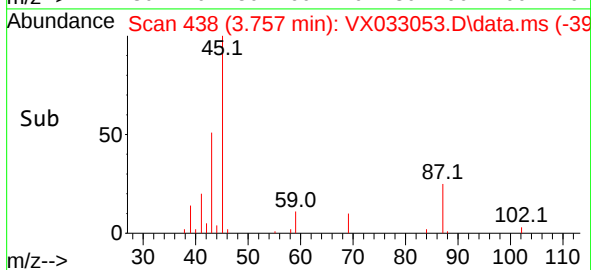
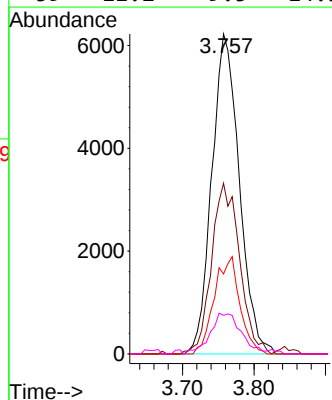
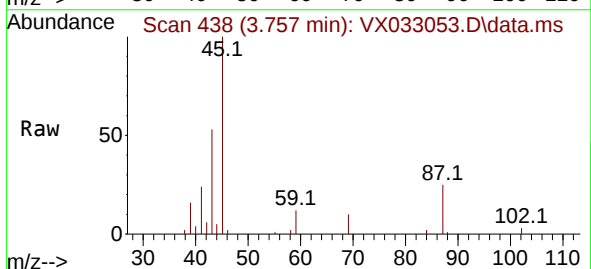
Instrument :
MSVOA_X
ClientSampleId :
MW-28

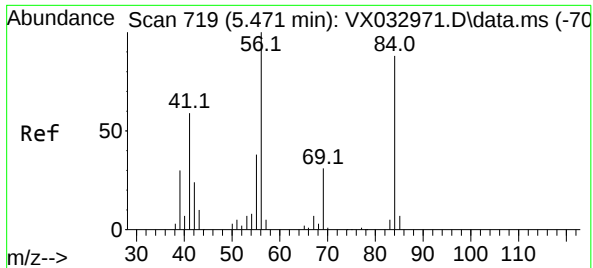
Tgt Ion: 73 Resp: 63593
Ion Ratio Lower Upper
73 100
57 29.6 16.6 25.0#



#22
Diisopropyl ether
Concen: 4.281 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion: 45 Resp: 16641
Ion Ratio Lower Upper
45 100
43 53.3 56.4 84.6#
87 25.0 24.4 36.6
59 11.2 9.5 14.3

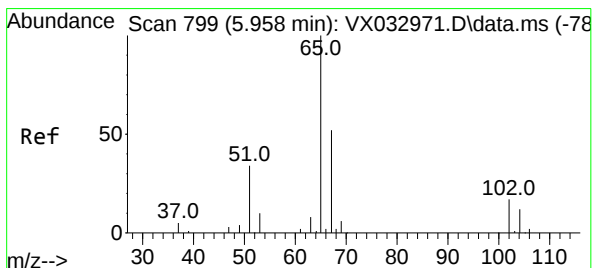
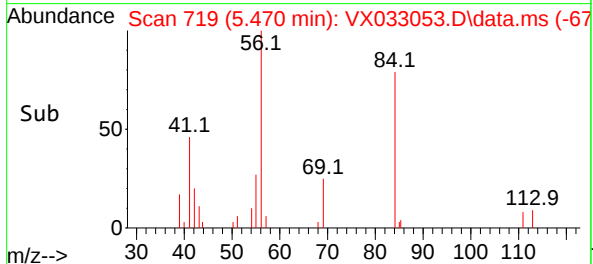
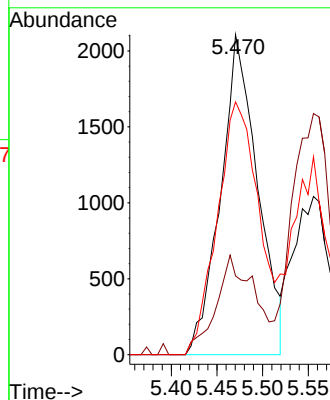
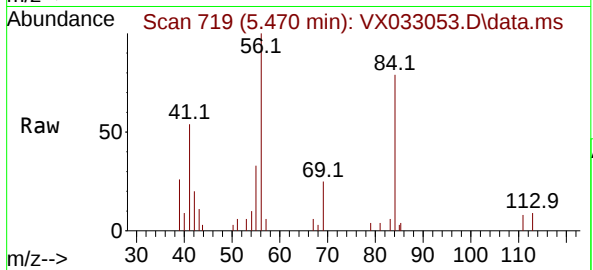




#31
Cyclohexane
Concen: 2.964 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

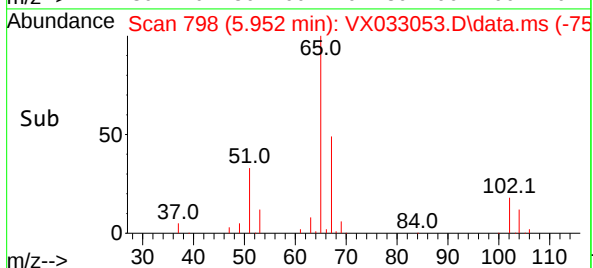
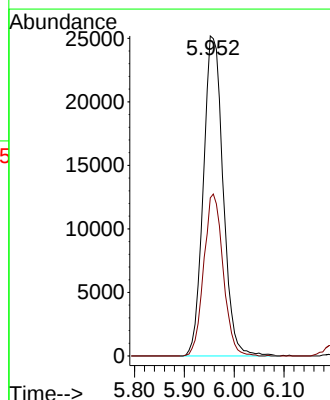
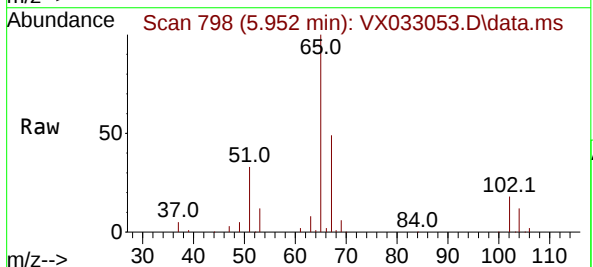
Instrument :
MSVOA_X
ClientSampleId :
MW-28

Tgt Ion:	56	Resp:	5927
Ion	Ratio	Lower	Upper
56	100		
69	24.6	24.1	36.1
84	79.0	66.9	100.3



#33
1,2-Dichloroethane-d4
Concen: 56.276 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion:	65	Resp:	69198
Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	101.8

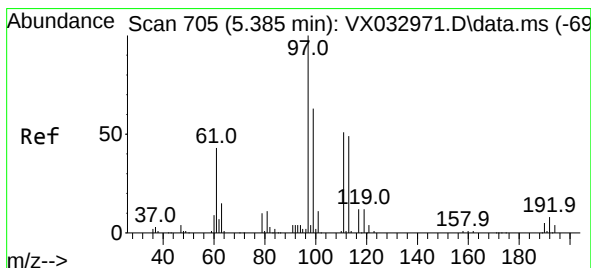
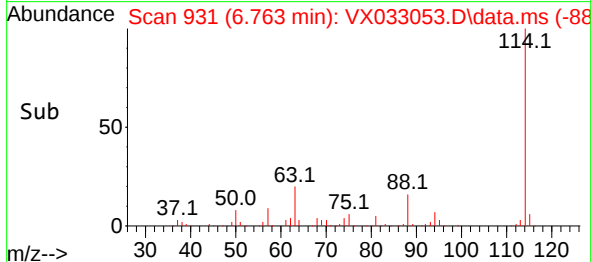
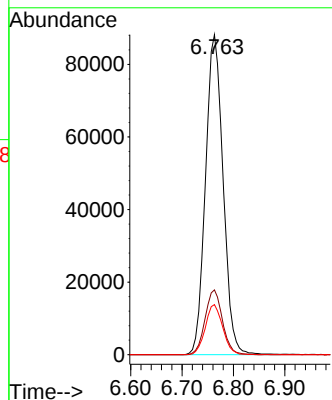
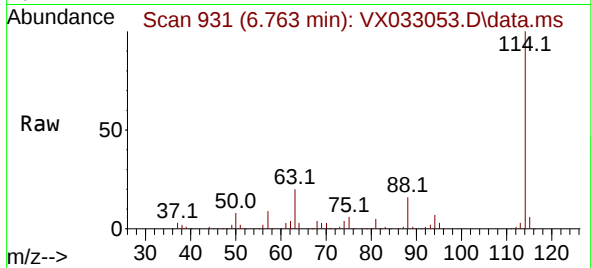




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

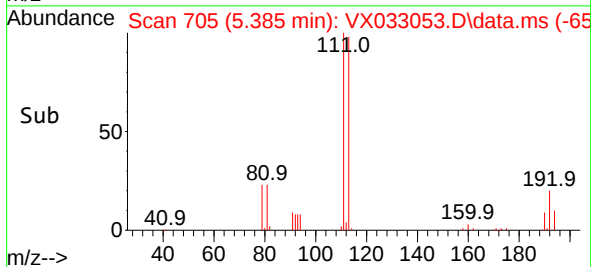
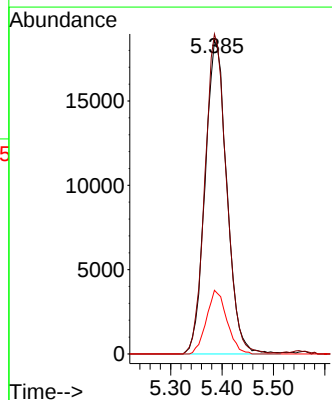
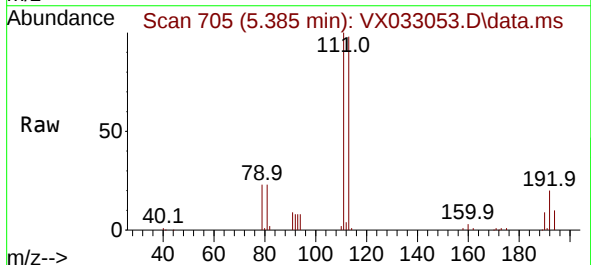
Instrument :
MSVOA_X
ClientSampleId :
MW-28

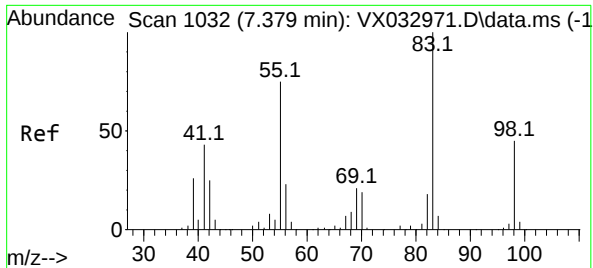
Tgt Ion:114 Resp: 210084
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.142 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion:113 Resp: 54649
Ion Ratio Lower Upper
113 100
111 101.0 82.4 123.6
192 19.0 15.4 23.2





#39

Methylcyclohexane

Concen: 0.754 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033053.D

Acq: 24 Nov 2022 10:39

Instrument :

MSVOA_X

ClientSampleId :

MW-28

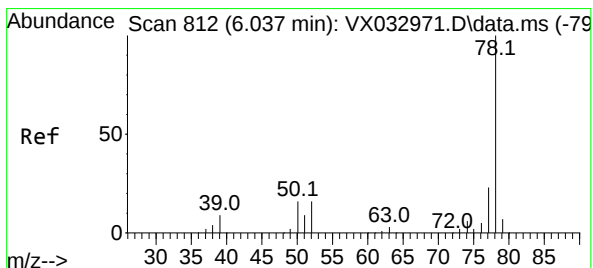
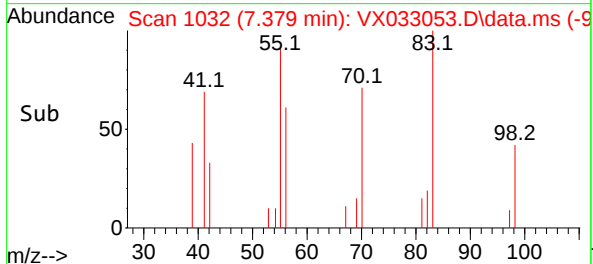
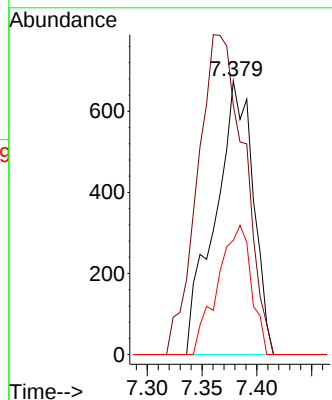
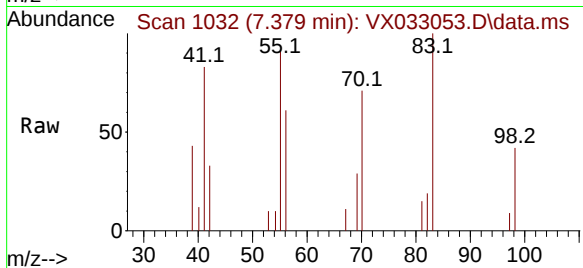
Tgt Ion: 83 Resp: 1629

Ion Ratio Lower Upper

83 100

55 91.1 58.4 87.6#

98 41.8 37.2 55.8



#40

Benzene

Concen: 118.314 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX033053.D

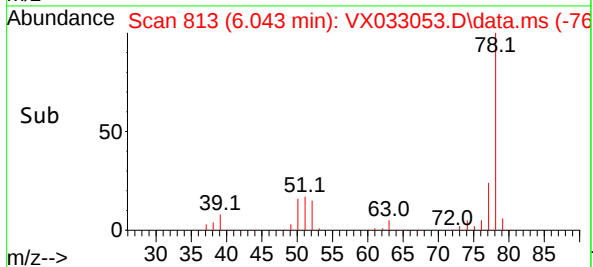
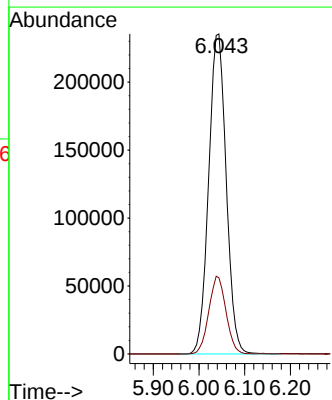
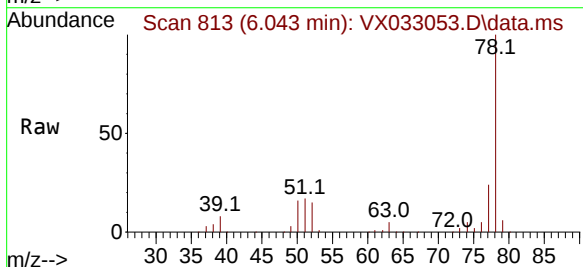
Acq: 24 Nov 2022 10:39

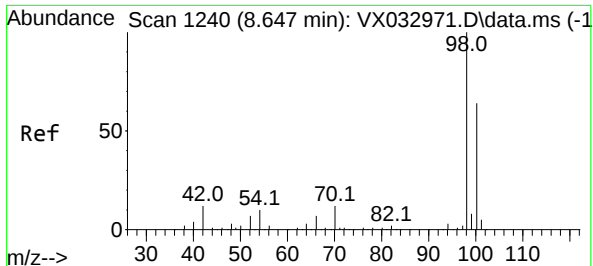
Tgt Ion: 78 Resp: 628209

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4

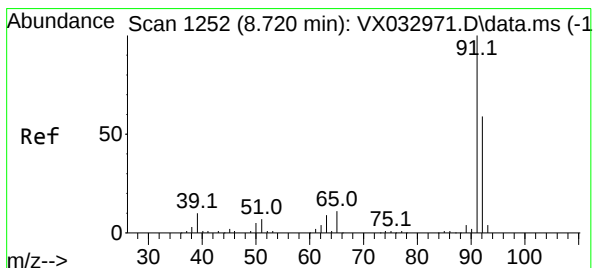
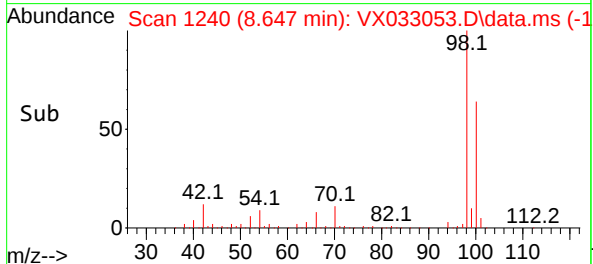
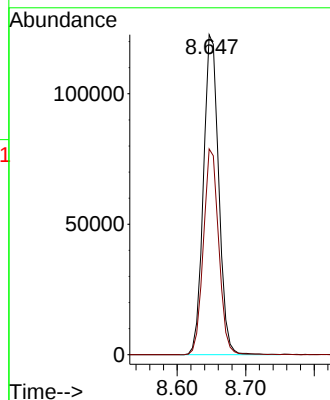
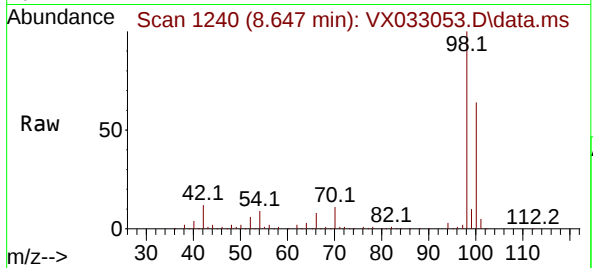




#50
Toluene-d8
Concen: 53.512 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

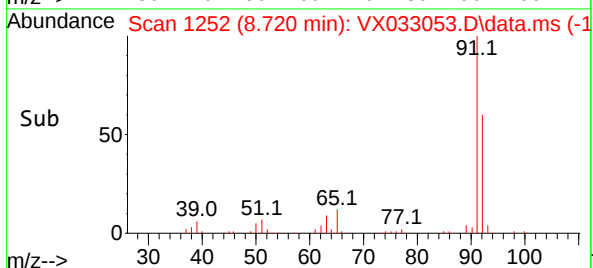
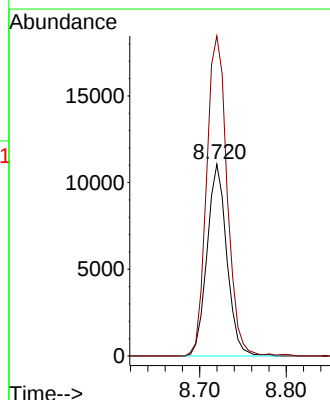
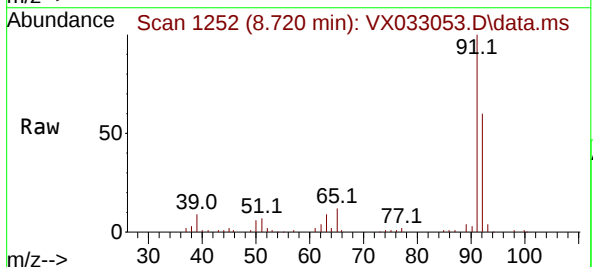
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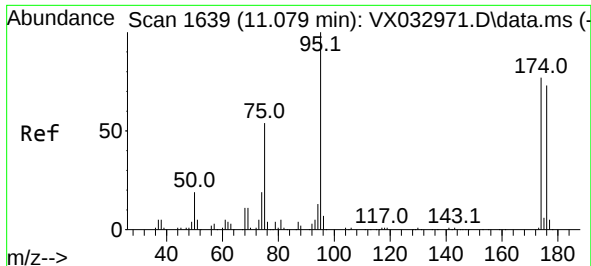
Tgt Ion: 98 Resp: 190152
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#52
Toluene
Concen: 5.017 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion: 92 Resp: 17526
Ion Ratio Lower Upper
92 100
91 173.6 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 44.885 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033053.D

Acq: 24 Nov 2022 10:39

Instrument :

MSVOA_X

ClientSampleId :

MW-28

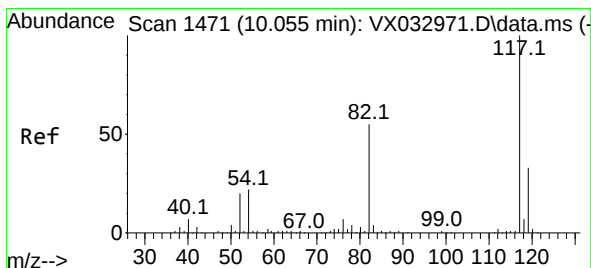
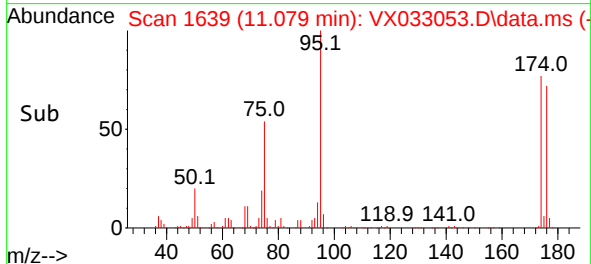
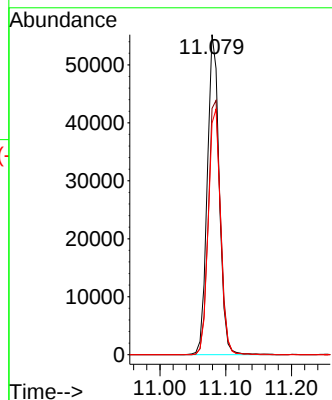
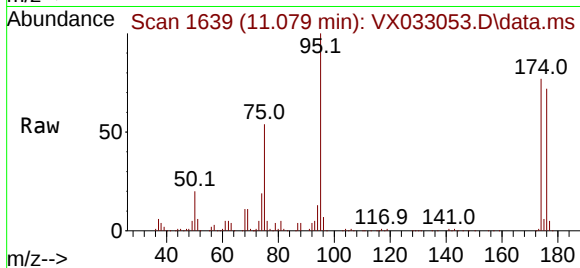
Tgt Ion: 95 Resp: 69832

Ion Ratio Lower Upper

95 100

174 81.8 0.0 164.0

176 78.6 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: VX033053.D

Acq: 24 Nov 2022 10:39

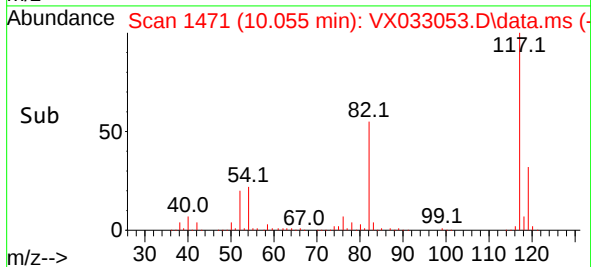
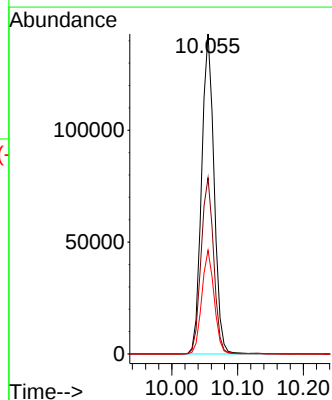
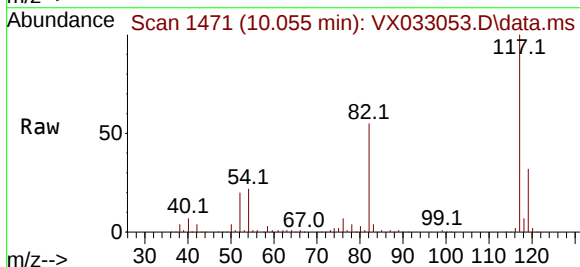
Tgt Ion: 117 Resp: 189043

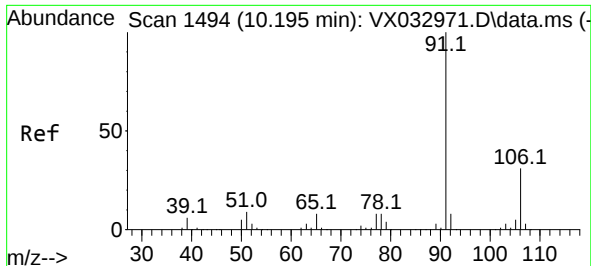
Ion Ratio Lower Upper

117 100

82 55.1 44.3 66.5

119 32.4 25.7 38.5

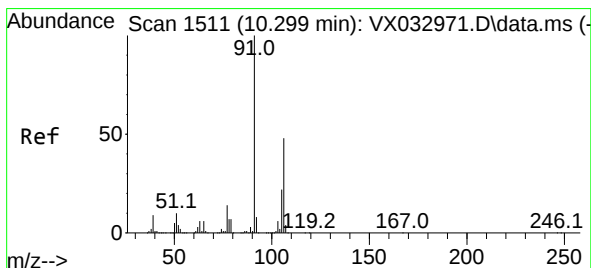
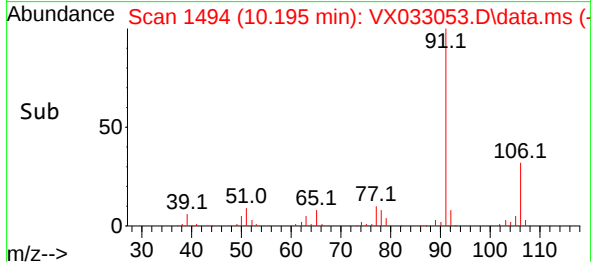
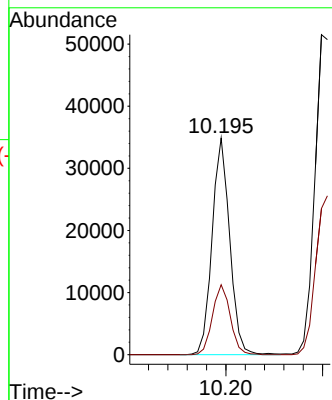
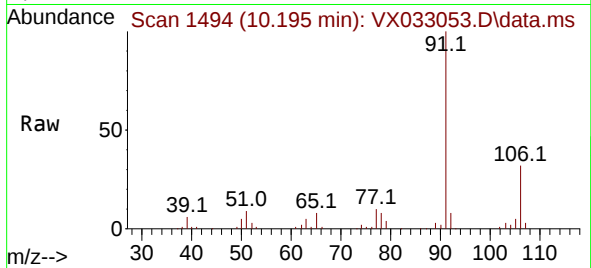




#67
Ethyl Benzene
Concen: 6.598 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

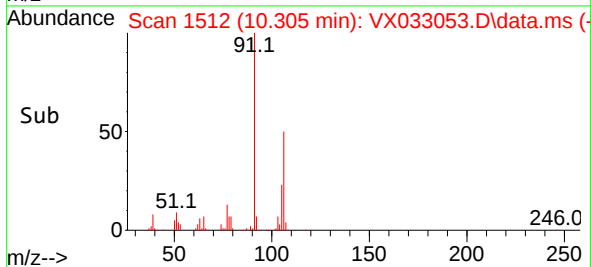
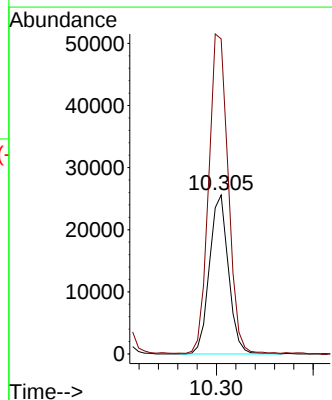
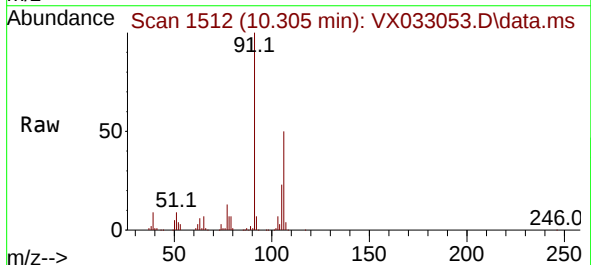
Instrument :
MSVOA_X
ClientSampleId :
MW-28

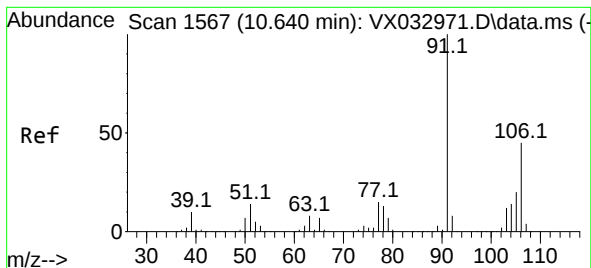
Tgt Ion: 91 Resp: 44112
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6



#68
m/p-Xylenes
Concen: 13.325 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion:106 Resp: 34886
Ion Ratio Lower Upper
106 100
91 206.2 164.5 246.7





#69

o-Xylene

Concen: 5.878 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033053.D

Acq: 24 Nov 2022 10:39

Instrument :

MSVOA_X

ClientSampleId :

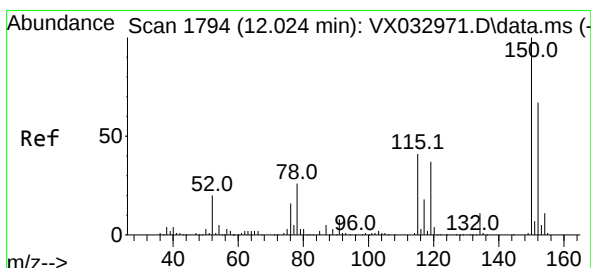
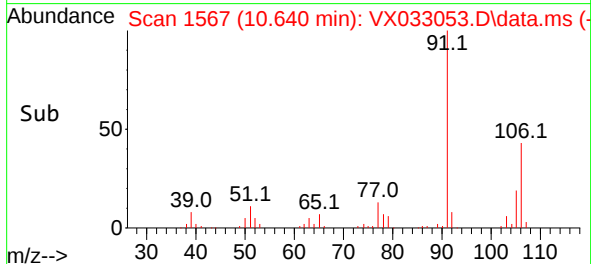
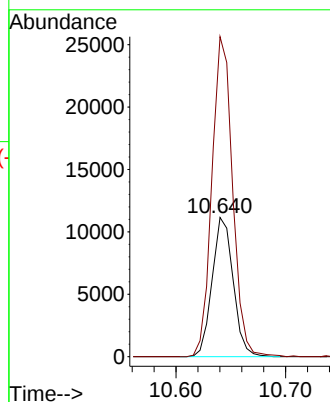
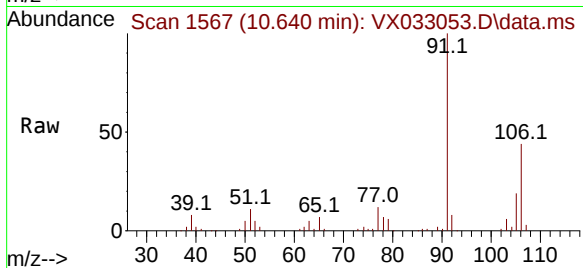
MW-28

Tgt Ion:106 Resp: 14890

Ion Ratio Lower Upper

106 100

91 226.2 109.2 327.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX033053.D

Acq: 24 Nov 2022 10:39

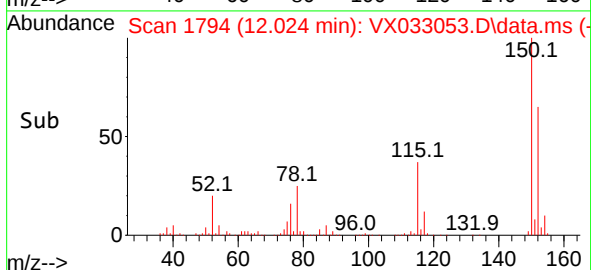
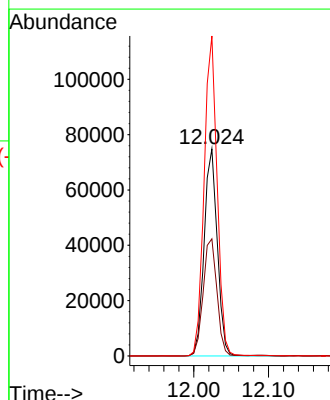
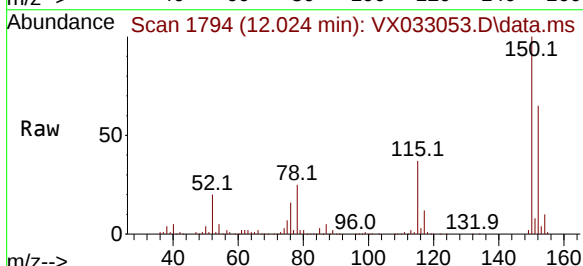
Tgt Ion:152 Resp: 91483

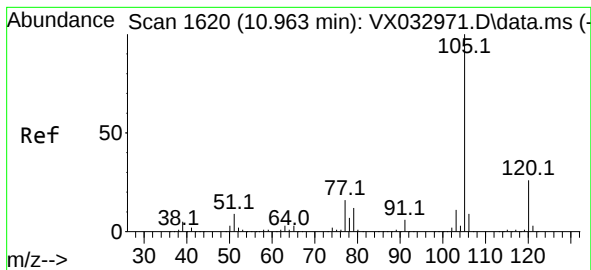
Ion Ratio Lower Upper

152 100

115 59.2 44.0 132.0

150 153.0 0.0 351.8





#73

Isopropylbenzene

Concen: 5.292 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX033053.D

Acq: 24 Nov 2022 10:39

Instrument :

MSVOA_X

ClientSampleId :

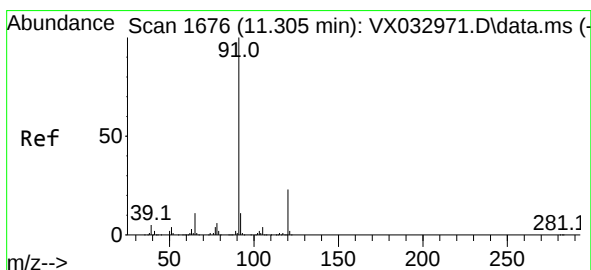
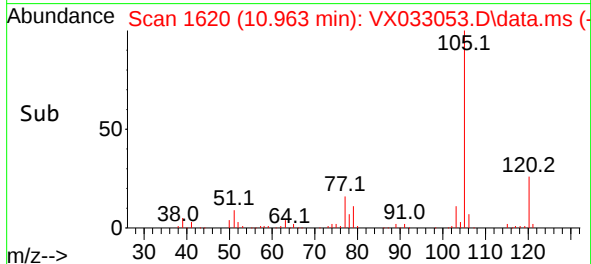
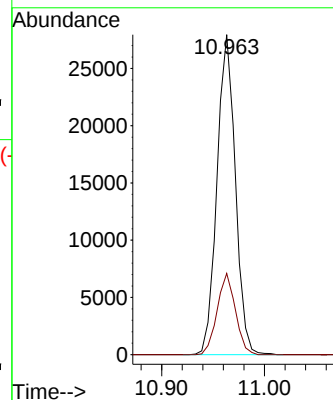
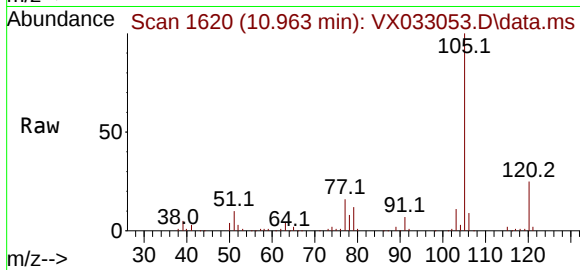
MW-28

Tgt Ion:105 Resp: 34593

Ion Ratio Lower Upper

105 100

120 25.2 13.1 39.3



#78

n-propylbenzene

Concen: 4.161 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033053.D

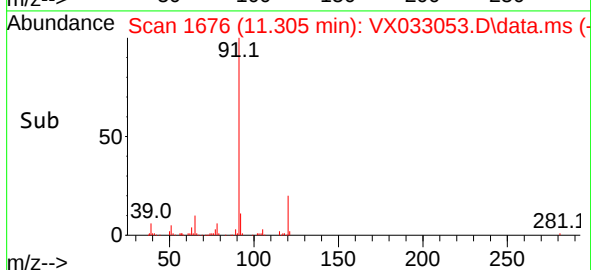
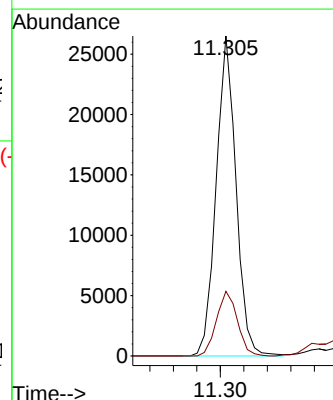
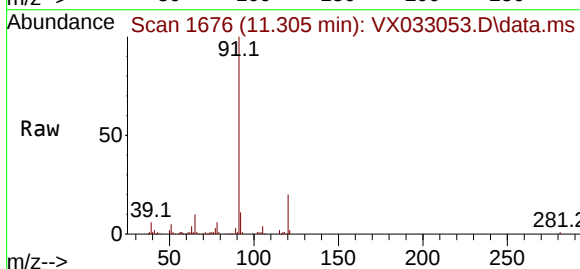
Acq: 24 Nov 2022 10:39

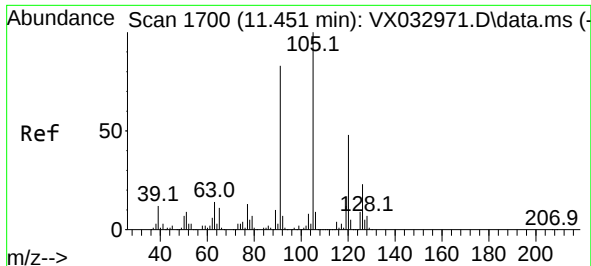
Tgt Ion: 91 Resp: 31102

Ion Ratio Lower Upper

91 100

120 21.2 11.6 34.8

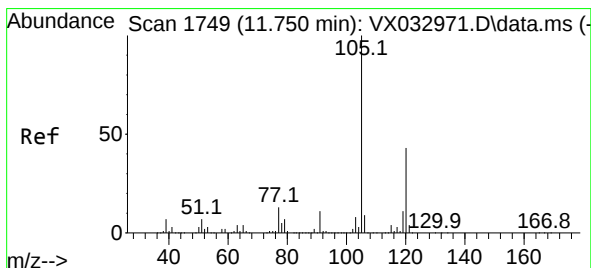
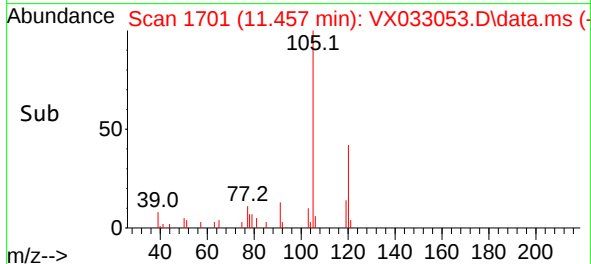
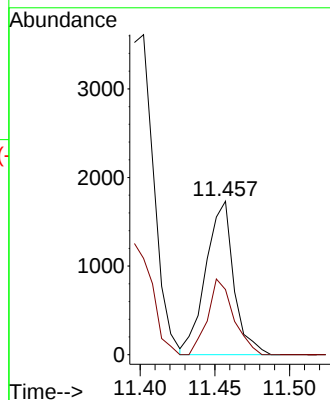
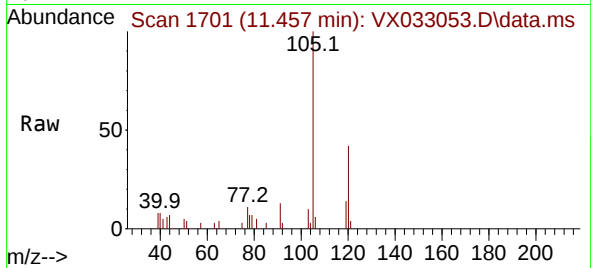




#80
1,3,5-Trimethylbenzene
Concen: 0.411 ug/l
RT: 11.457 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

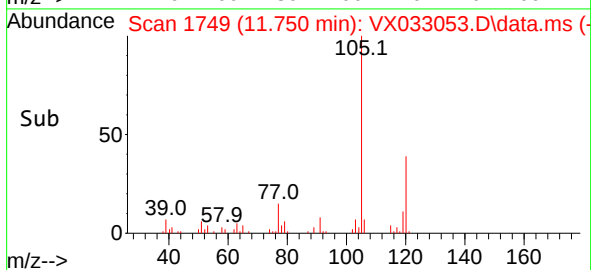
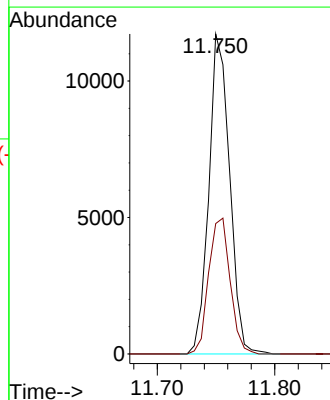
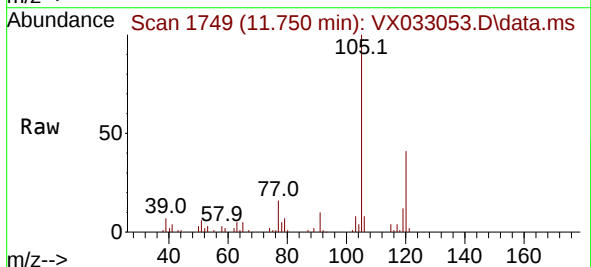
Instrument :
MSVOA_X
ClientSampleId :
MW-28

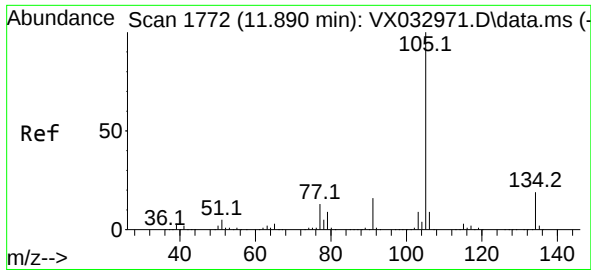
Tgt Ion:105 Resp: 2256
Ion Ratio Lower Upper
105 100
120 45.7 23.6 71.0



#84
1,2,4-Trimethylbenzene
Concen: 2.631 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033053.D
Acq: 24 Nov 2022 10:39

Tgt Ion:105 Resp: 14406
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.5





#85

sec-Butylbenzene

Concen: 0.556 ug/l

RT: 11.890 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033053.D

Acq: 24 Nov 2022 10:39

Instrument :

MSVOA_X

ClientSampleId :

MW-28

Tgt Ion:105 Resp: 3638

Ion Ratio Lower Upper

105 100

134 22.0 9.9 29.7

