

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032997.D
 Acq On : 22 Nov 2022 22:36
 Operator : JC/MD
 Sample : N5741-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27DL

Quant Time: Nov 23 05:51:47 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)

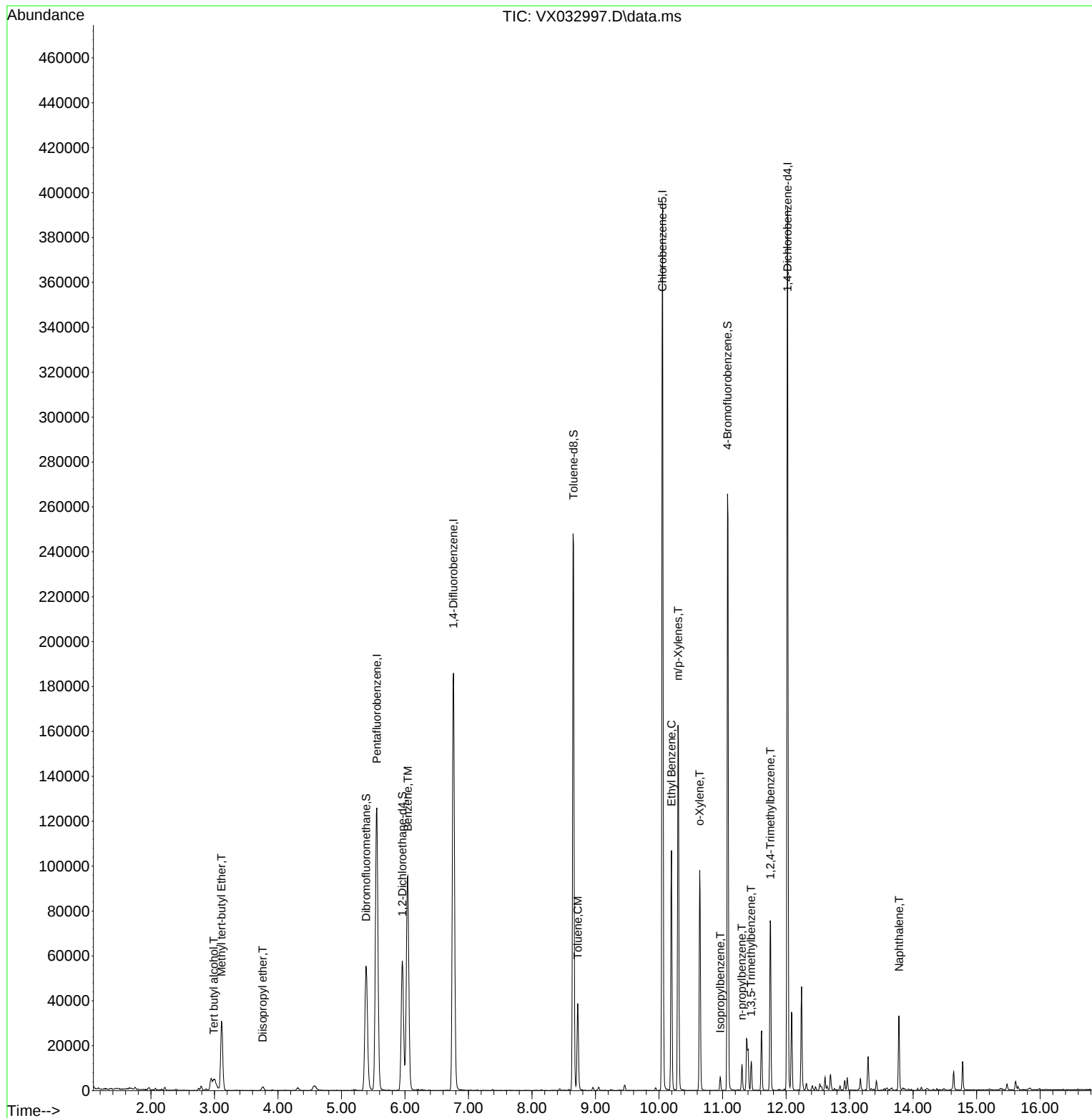
Internal Standards						
1) Pentafluorobenzene	5.556	168	119879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59206	50.579	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	=	101.160%	
35) Dibromofluoromethane	5.385	113	48403	44.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	88.600%	
50) Toluene-d8	8.653	98	147999	44.798	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	=	89.600%#	
62) 4-Bromofluorobenzene	11.079	95	68177	47.505	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	95.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	13261	71.657	ug/l #	94
19) Methyl tert-butyl Ether	3.111	73	33199	9.150	ug/l	99
22) Diisopropyl ether	3.757	45	1469	0.399	ug/l #	85
40) Benzene	6.044	78	116935	23.874	ug/l	99
52) Toluene	8.720	92	14765	4.582	ug/l	99
67) Ethyl Benzene	10.195	91	59542	9.851	ug/l	99
68) m/p-Xylenes	10.299	106	38455	16.247	ug/l	99
69) o-Xylene	10.640	106	21058	9.195	ug/l	100
73) Isopropylbenzene	10.963	105	3129	0.546	ug/l	91
78) n-propylbenzene	11.305	91	7342	1.120	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	5986	1.243	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	34986	7.283	ug/l	99
95) Naphthalene	13.780	128	21567	4.203	ug/l	97

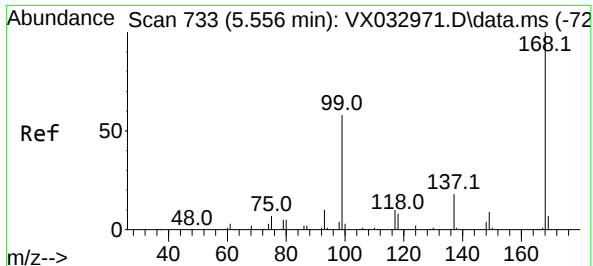
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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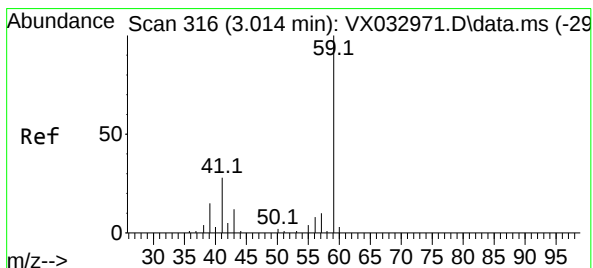
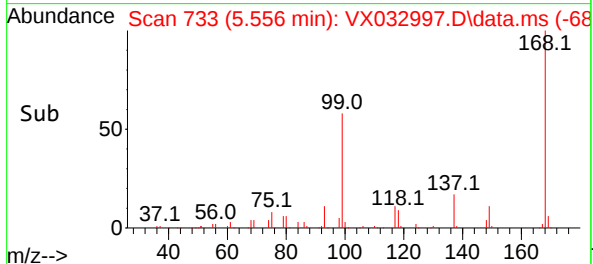
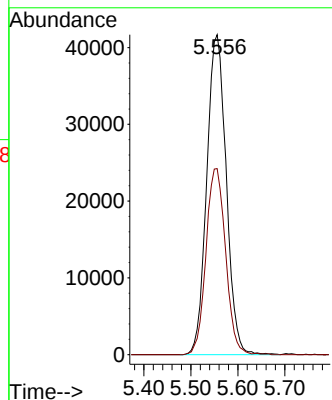
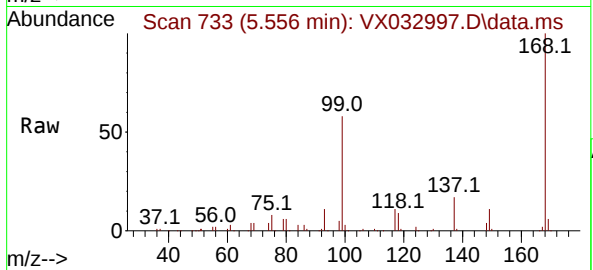




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

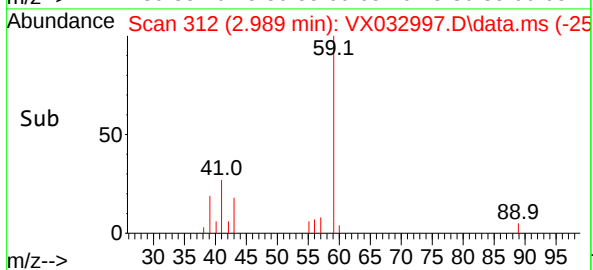
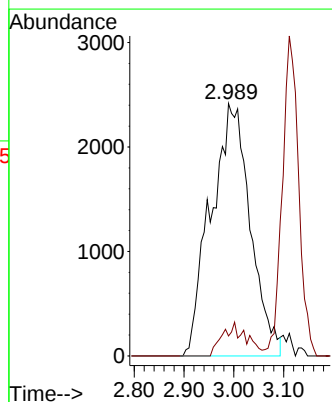
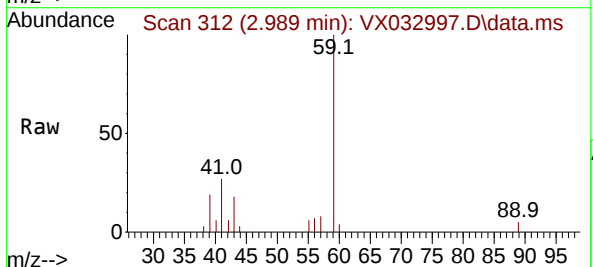
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

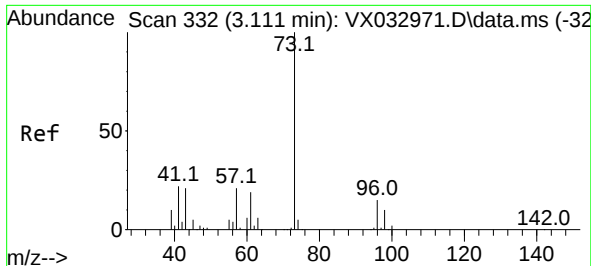
Tgt Ion:168 Resp: 119879
Ion Ratio Lower Upper
168 100
99 58.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 71.657 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 59 Resp: 13261
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.4#

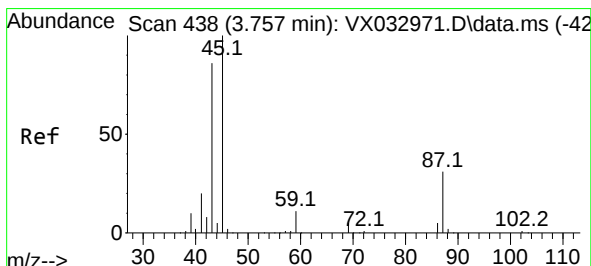
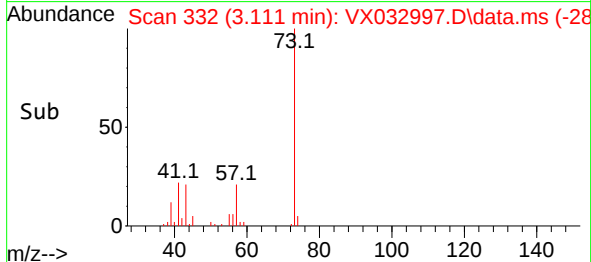
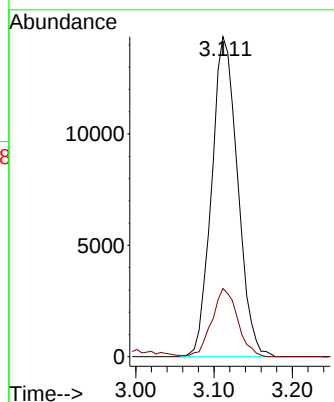
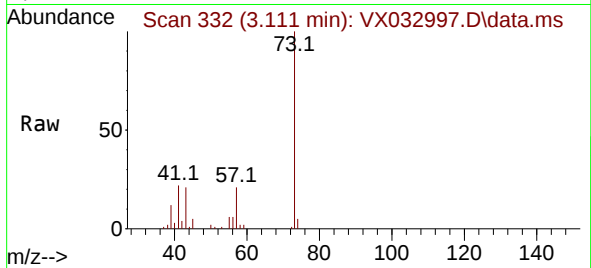




#19
Methyl tert-butyl Ether
Concen: 9.150 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

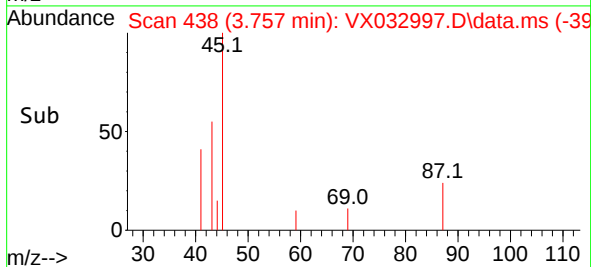
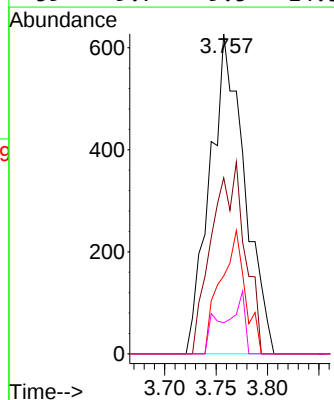
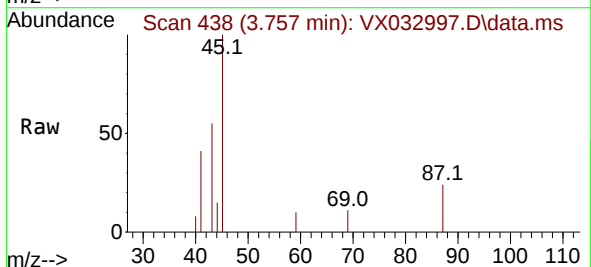
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

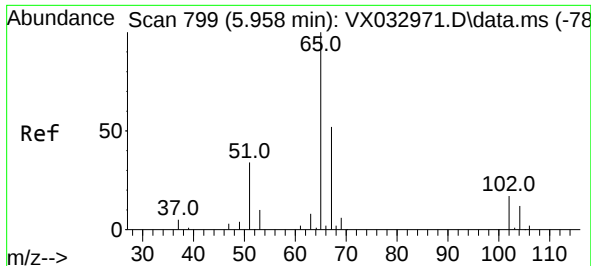
Tgt Ion: 73 Resp: 33199
Ion Ratio Lower Upper
73 100
57 21.3 16.6 25.0



#22
Diisopropyl ether
Concen: 0.399 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 45 Resp: 1469
Ion Ratio Lower Upper
45 100
43 55.0 56.4 84.6#
87 24.4 24.4 36.6
59 9.7 9.5 14.3

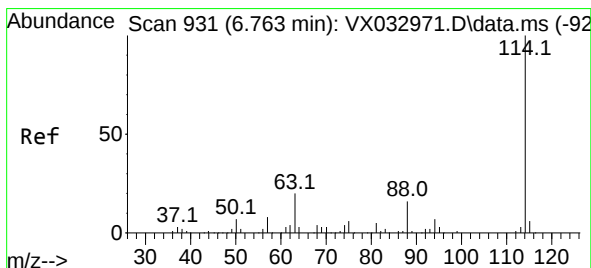
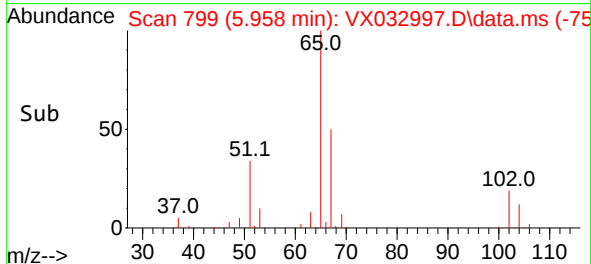
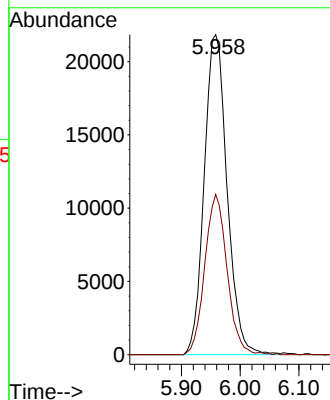
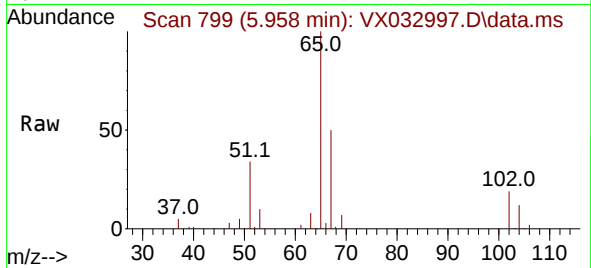




#33
 1,2-Dichloroethane-d4
 Concen: 50.579 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032997.D
 Acq: 22 Nov 2022 22:36

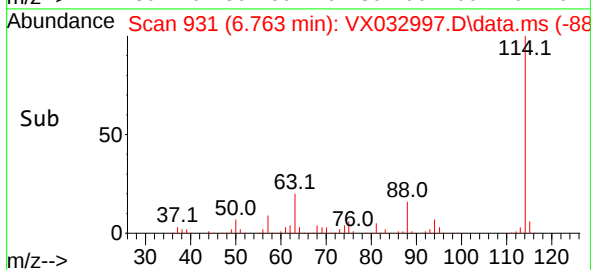
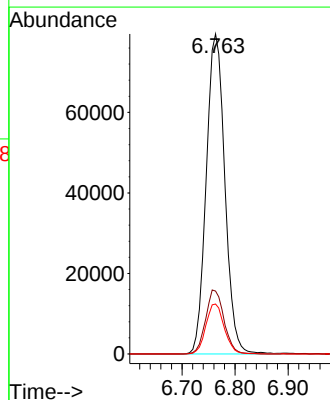
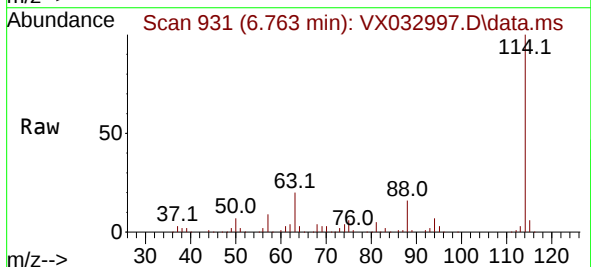
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27DL

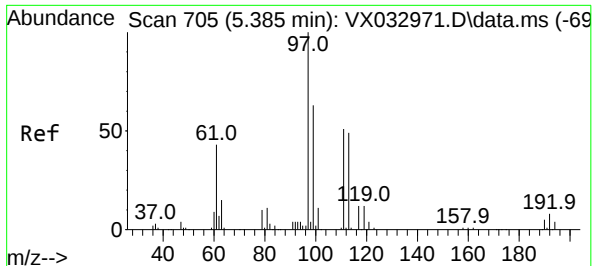
Tgt Ion: 65 Resp: 59206
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX032997.D
 Acq: 22 Nov 2022 22:36

Tgt Ion: 114 Resp: 193793
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.6
 88 15.6 0.0 33.4

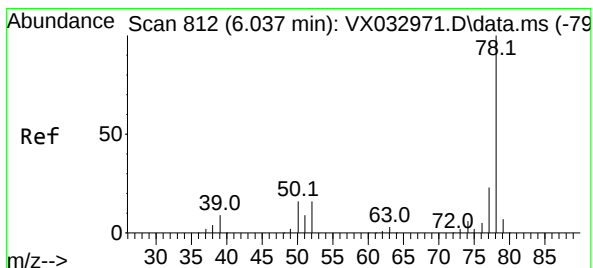
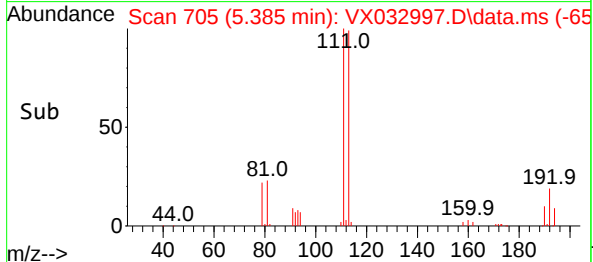
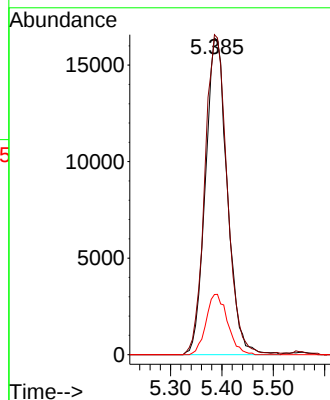
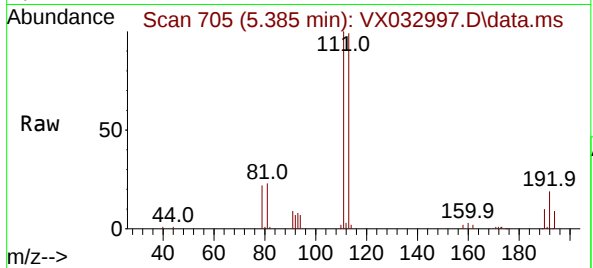




#35
Dibromofluoromethane
Concen: 44.303 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

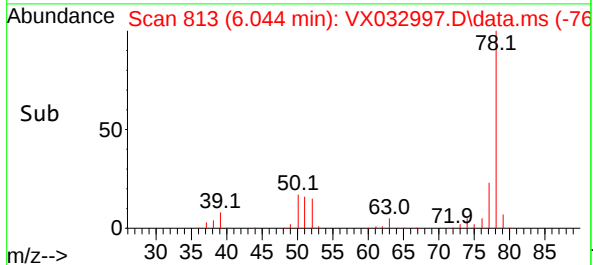
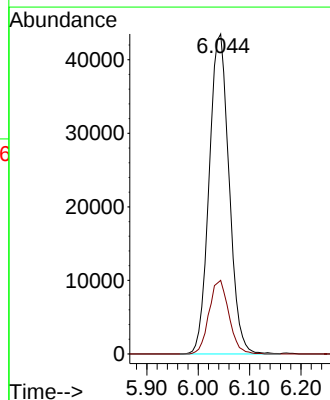
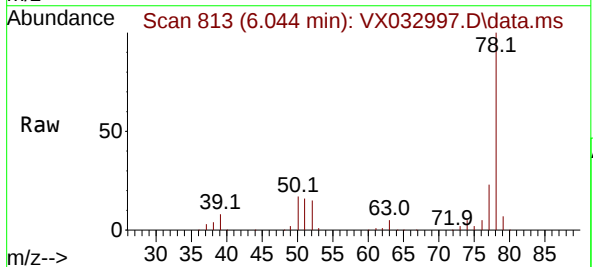
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

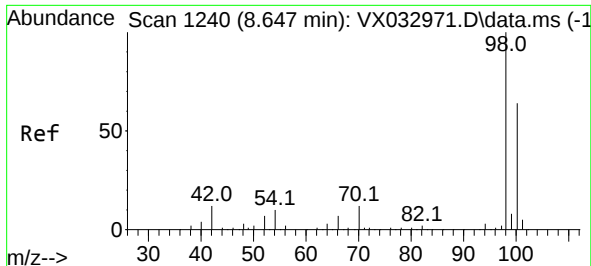
Tgt Ion:113 Resp: 48403
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 18.8 15.4 23.2



#40
Benzene
Concen: 23.874 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 78 Resp: 116935
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4





#50

Toluene-d8

Concen: 44.798 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

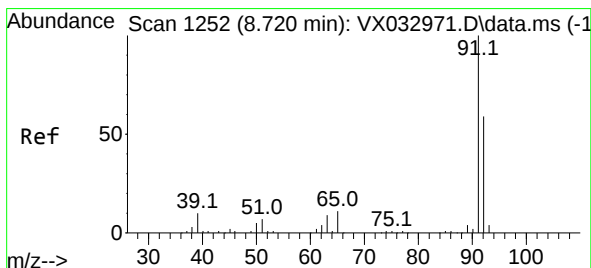
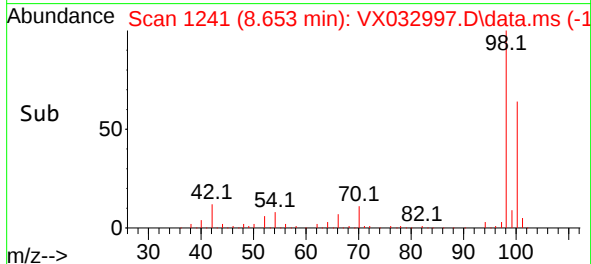
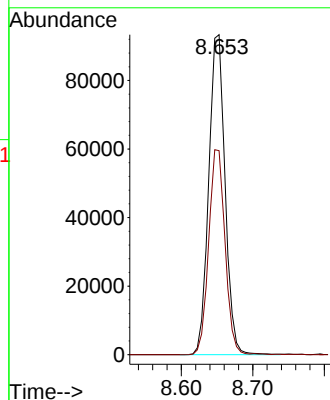
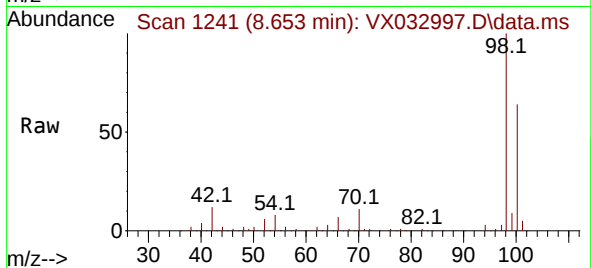
MW-27DL

Tgt Ion: 98 Resp: 147999

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#52

Toluene

Concen: 4.582 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032997.D

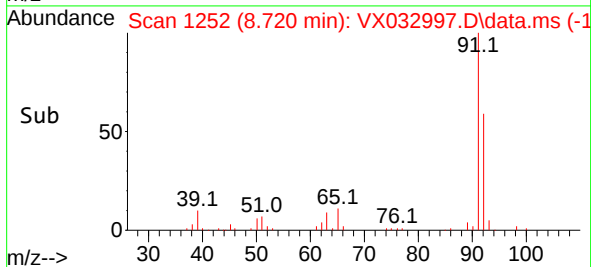
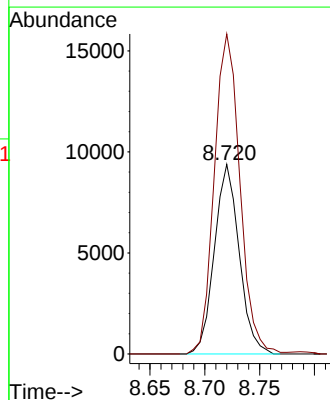
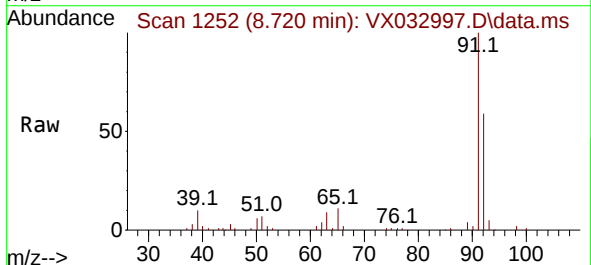
Acq: 22 Nov 2022 22:36

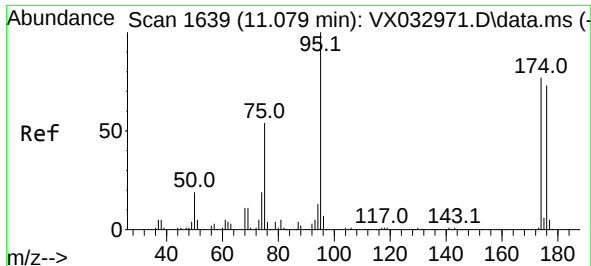
Tgt Ion: 92 Resp: 14765

Ion Ratio Lower Upper

92 100

91 174.3 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 47.505 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

MW-27DL

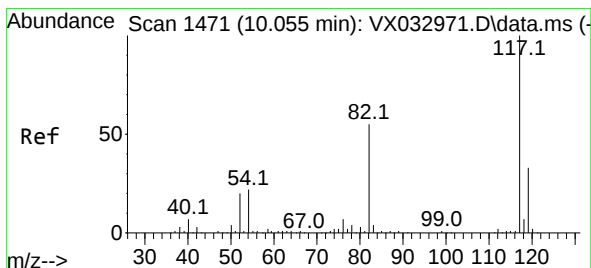
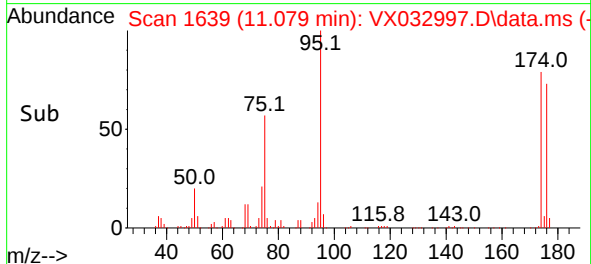
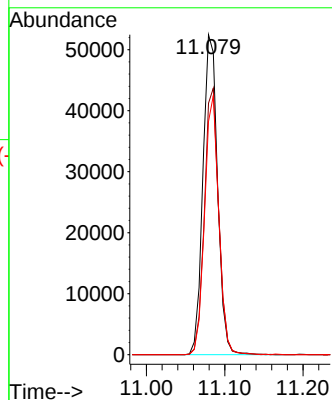
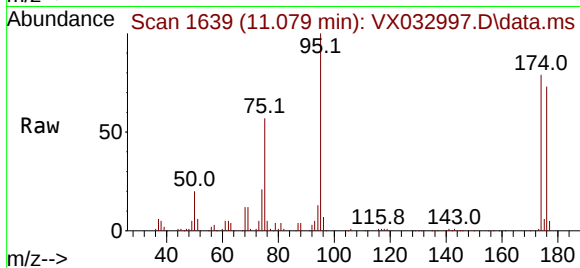
Tgt Ion: 95 Resp: 68177

Ion Ratio Lower Upper

95 100

174 81.4 0.0 164.0

176 78.4 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: VX032997.D

Acq: 22 Nov 2022 22:36

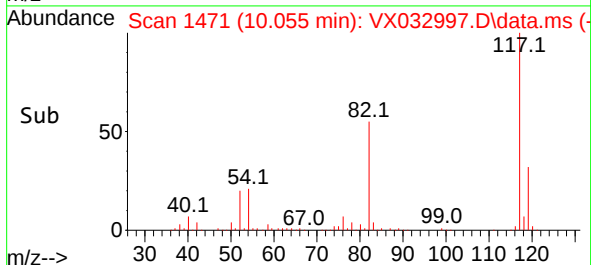
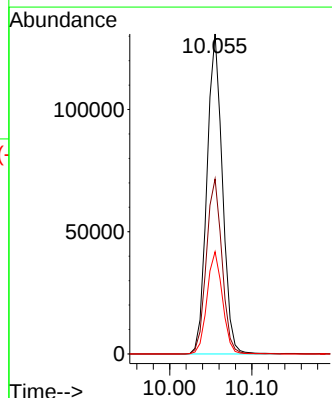
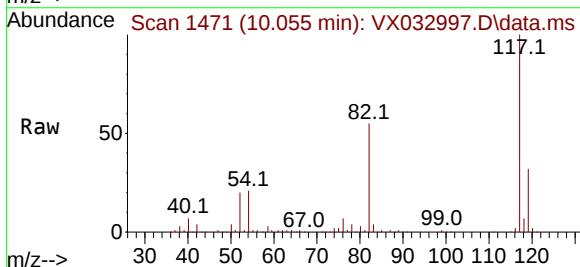
Tgt Ion: 117 Resp: 170907

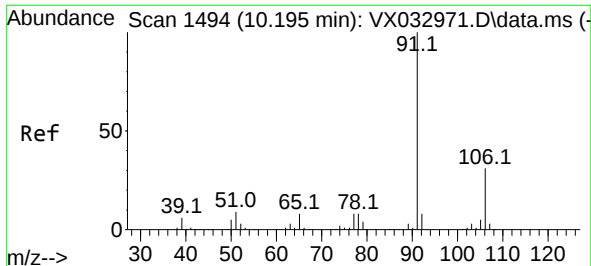
Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

119 31.9 25.7 38.5

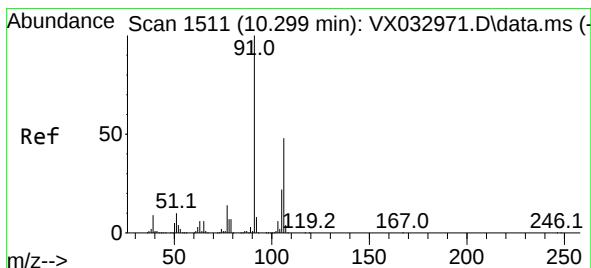
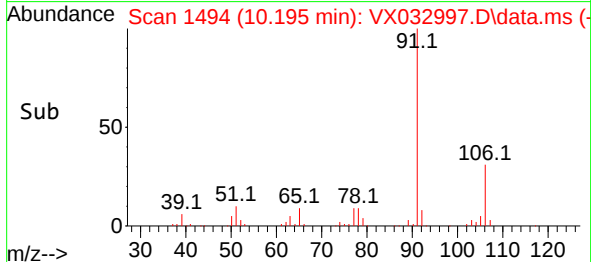
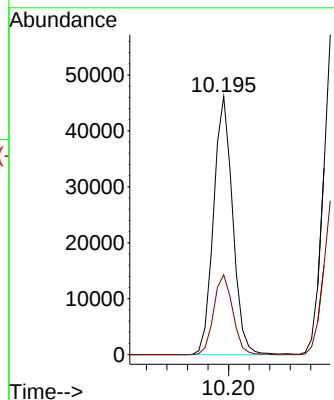
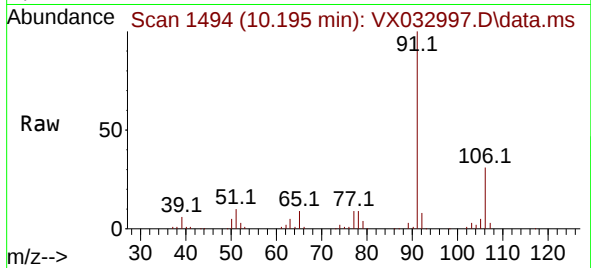




#67
Ethyl Benzene
Concen: 9.851 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

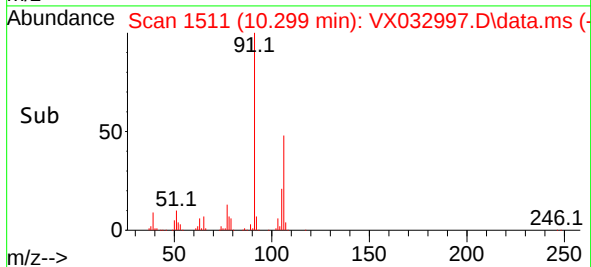
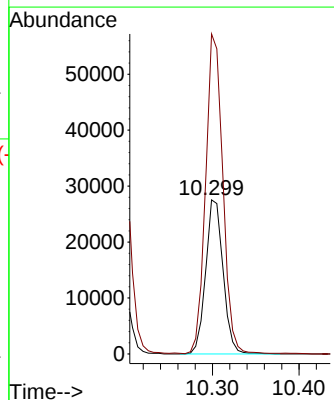
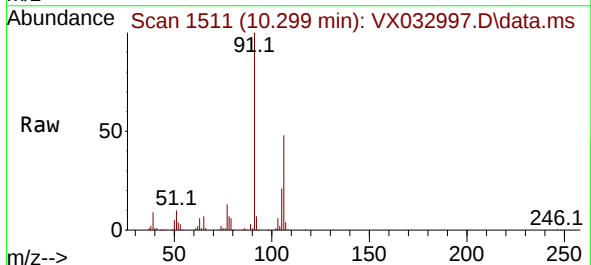
Instrument :
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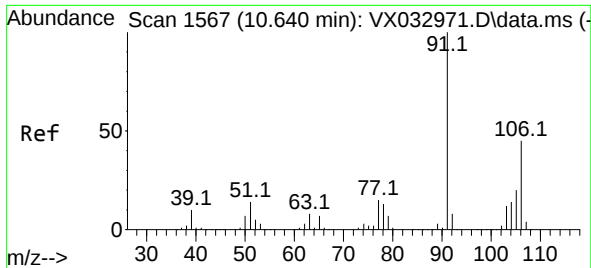
Tgt Ion: 91 Resp: 59542
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6



#68
m/p-Xylenes
Concen: 16.247 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 106 Resp: 38455
Ion Ratio Lower Upper
106 100
91 204.4 164.5 246.7

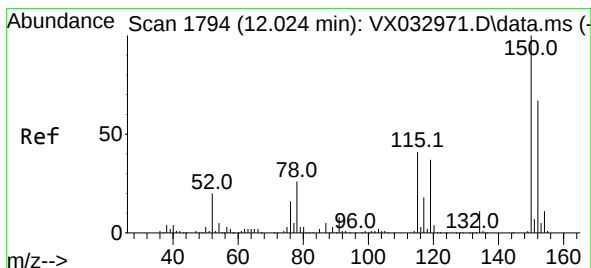
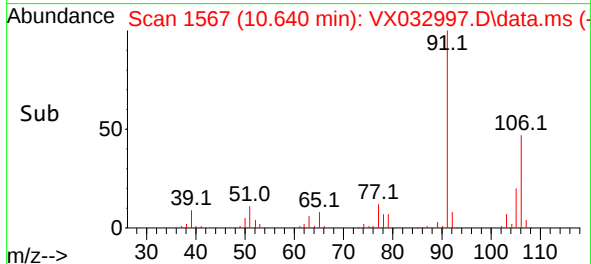
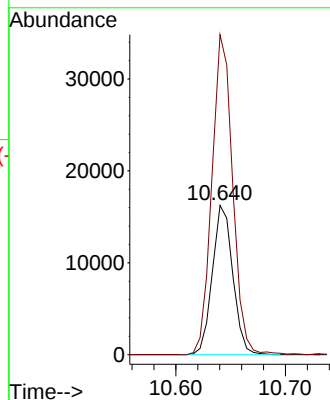
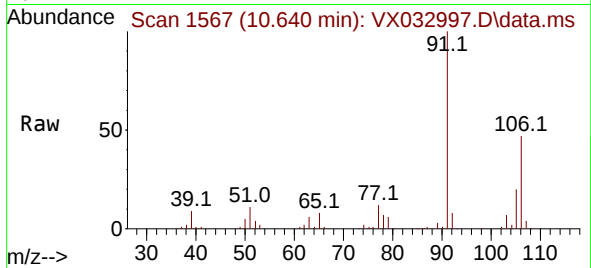




#69
o-Xylene
Concen: 9.195 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

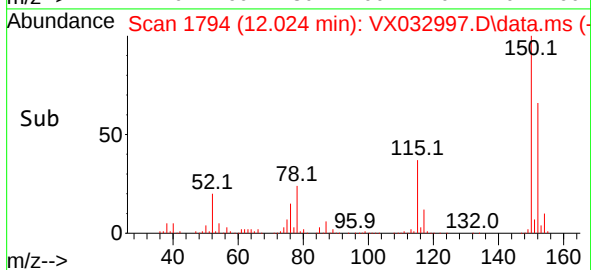
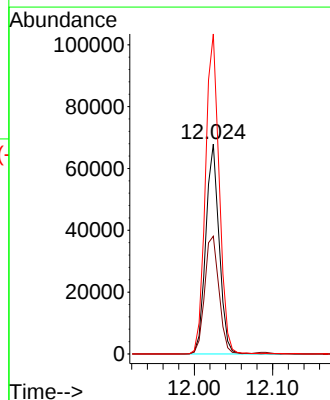
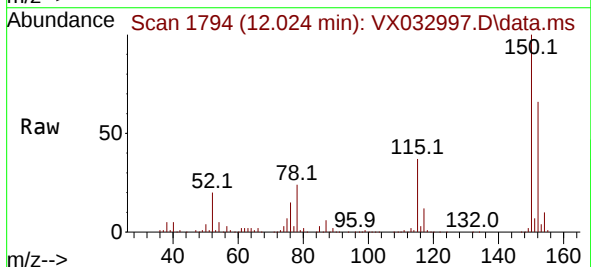
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

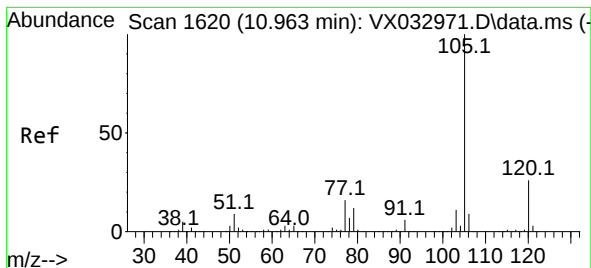
Tgt Ion:106 Resp: 21058
Ion Ratio Lower Upper
106 100
91 218.1 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion:152 Resp: 80249
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 157.1 0.0 351.8





#73

Isopropylbenzene

Concen: 0.546 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

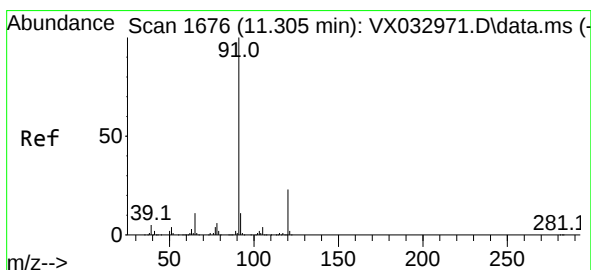
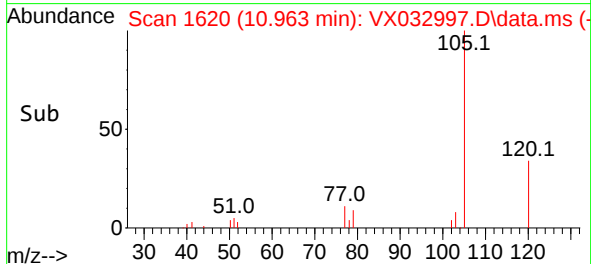
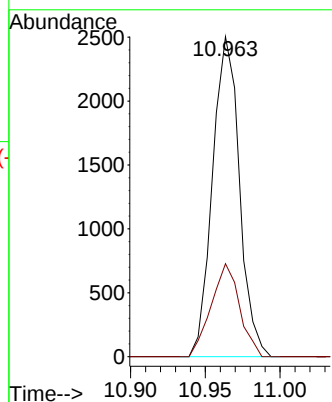
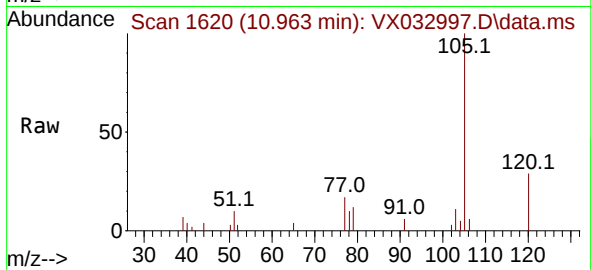
MW-27DL

Tgt Ion:105 Resp: 3129

Ion Ratio Lower Upper

105 100

120 30.6 13.1 39.3



#78

n-propylbenzene

Concen: 1.120 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032997.D

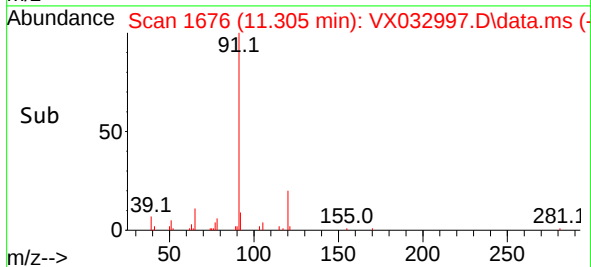
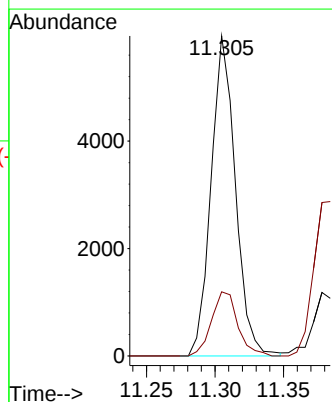
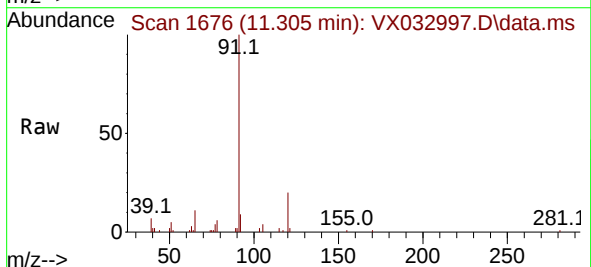
Acq: 22 Nov 2022 22:36

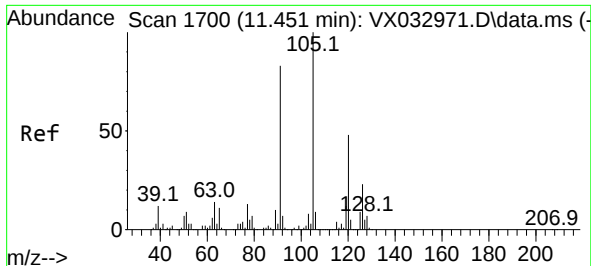
Tgt Ion: 91 Resp: 7342

Ion Ratio Lower Upper

91 100

120 21.6 11.6 34.8

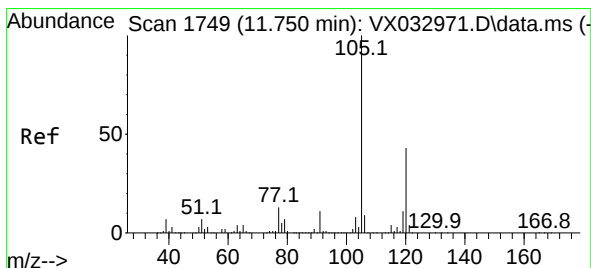
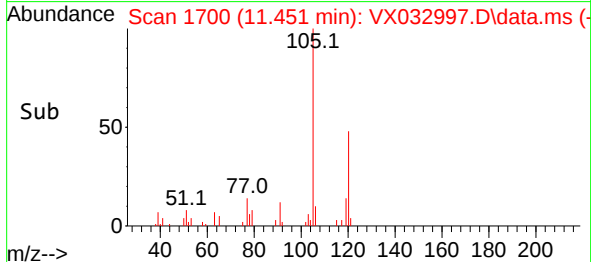
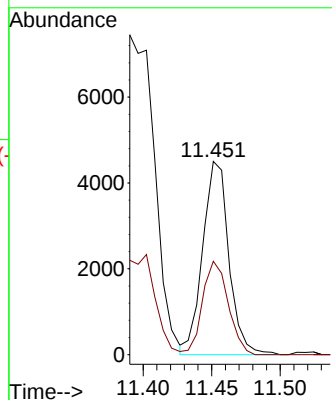
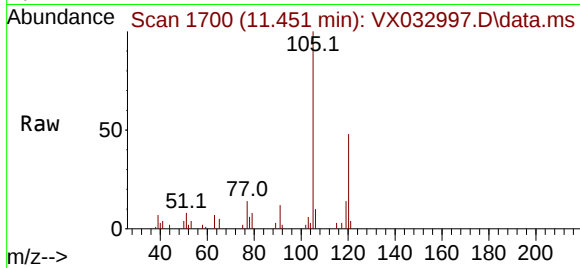




#80
 1,3,5-Trimethylbenzene
 Concen: 1.243 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032997.D
 Acq: 22 Nov 2022 22:36

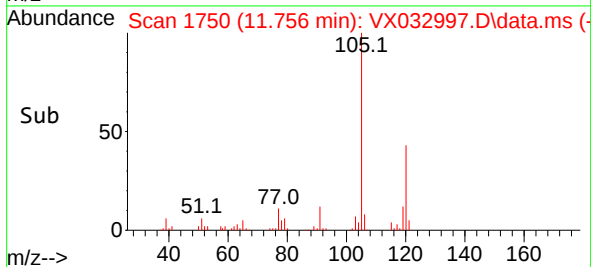
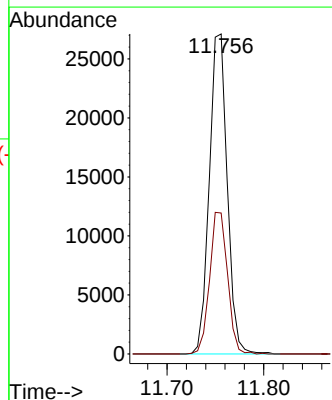
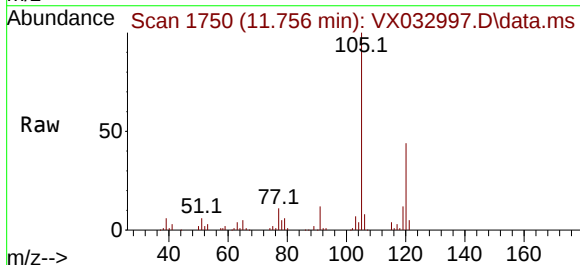
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27DL

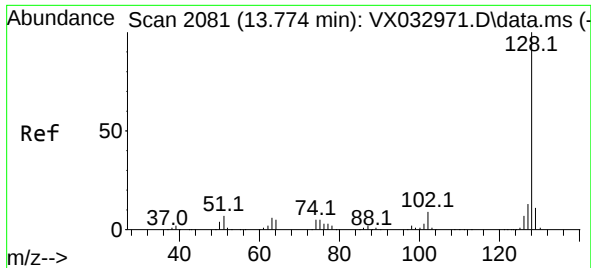
Tgt Ion:105 Resp: 5986
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 7.283 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX032997.D
 Acq: 22 Nov 2022 22:36

Tgt Ion:105 Resp: 34986
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.5





#95

Naphthalene

Concen: 4.203 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX032997.D

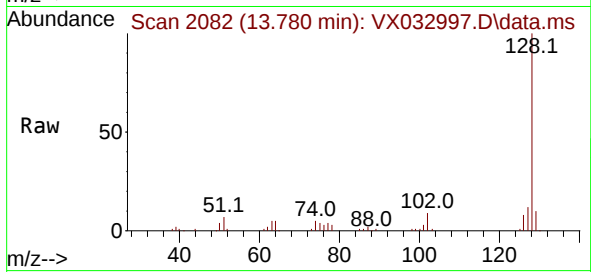
Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

MW-27DL



Tgt Ion:128 Resp: 21567

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 9.8 8.9 13.3

