

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033041.D
 Acq On : 24 Nov 2022 06:04
 Operator : JC/MD
 Sample : N5741-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33

Quant Time: Nov 25 06:37:27 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)

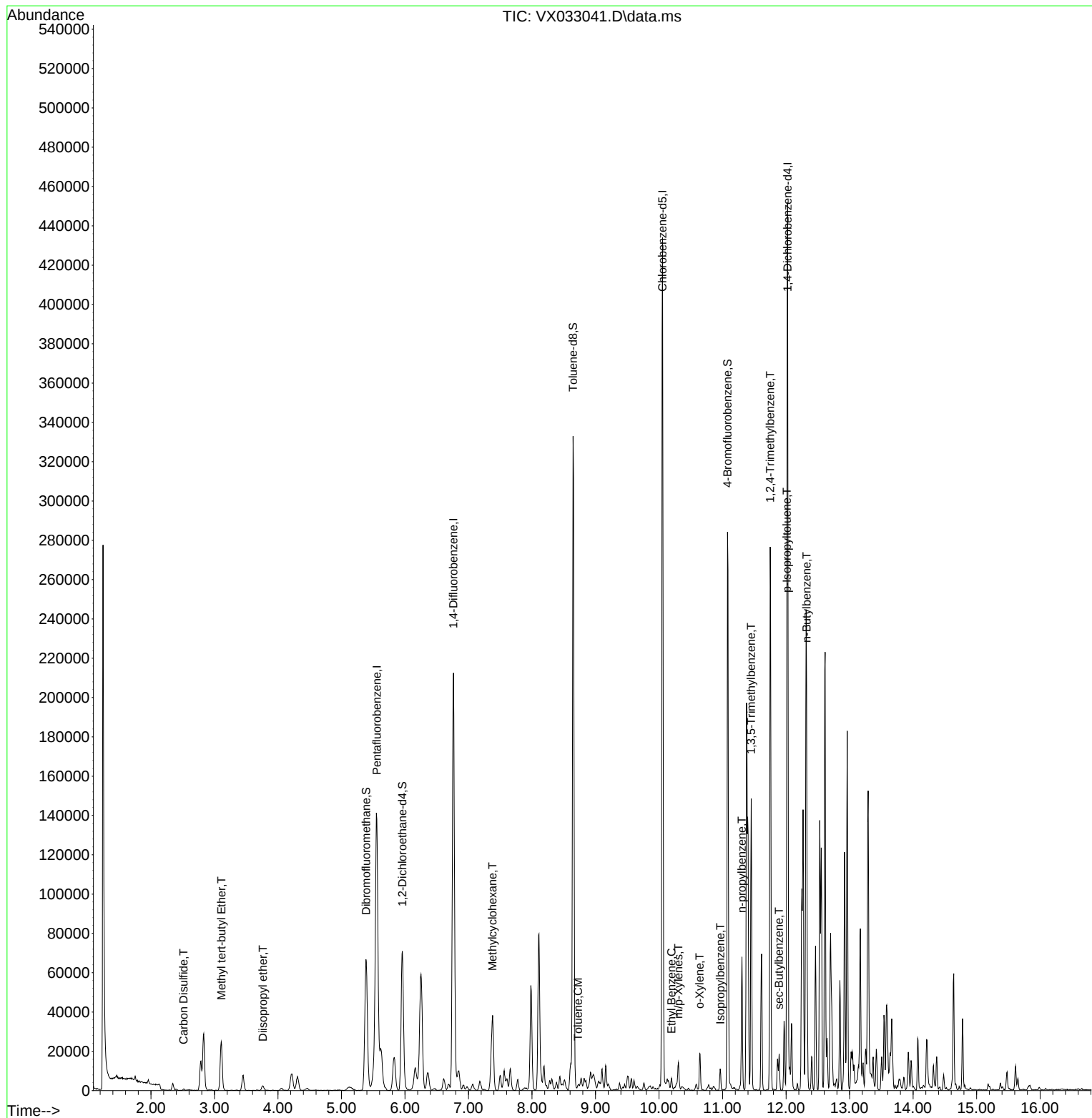
Internal Standards						
1) Pentafluorobenzene	5.556	168	131539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214551	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72345	56.705	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.420%	
35) Dibromofluoromethane	5.385	113	57194	47.285	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.560%	
50) Toluene-d8	8.647	98	197783	54.542	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.080%	
62) 4-Bromofluorobenzene	11.079	95	72722	45.769	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.540%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.514	76	936	0.295	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	3612	0.907	ug/l #	1
22) Diisopropyl ether	3.763	45	2630	0.652	ug/l #	78
39) Methylcyclohexane	7.379	83	15472	7.011	ug/l	90
52) Toluene	8.726	92	884	0.248	ug/l	96
67) Ethyl Benzene	10.195	91	3051	0.449	ug/l	98
68) m/p-Xylenes	10.305	106	2742	1.030	ug/l	88
69) o-Xylene	10.640	106	4166	1.618	ug/l	94
73) Isopropylbenzene	10.963	105	5583	0.839	ug/l	99
78) n-propylbenzene	11.305	91	38992	5.122	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	61663	11.024	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	121933	21.863	ug/l	100
85) sec-Butylbenzene	11.890	105	9561	1.435	ug/l	96
86) p-Isopropyltoluene	12.012	119	5792	1.026	ug/l	94
89) n-Butylbenzene	12.323	91	32658	6.717	ug/l #	19

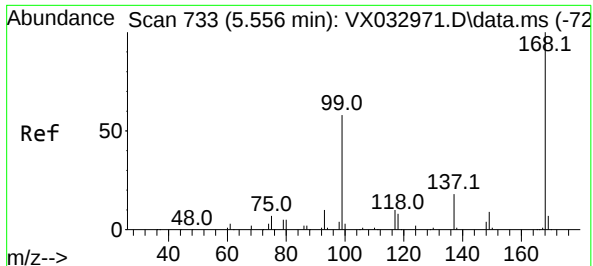
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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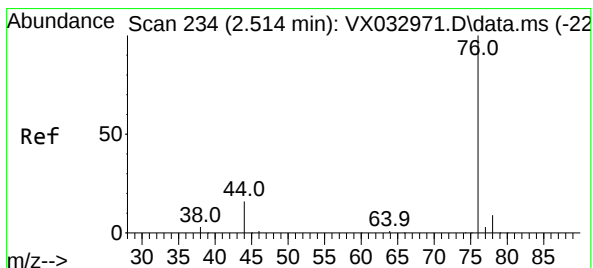
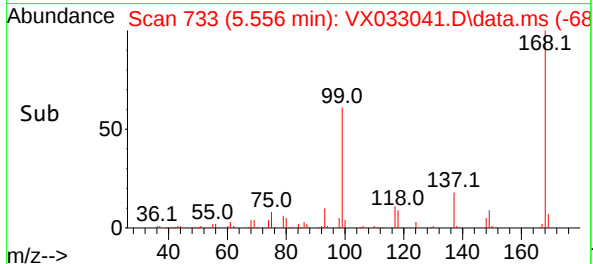
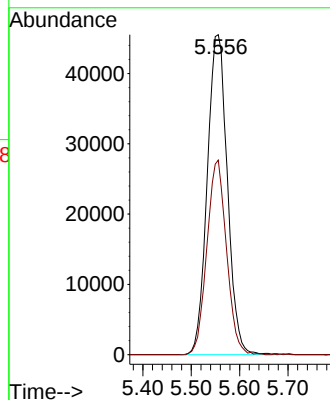
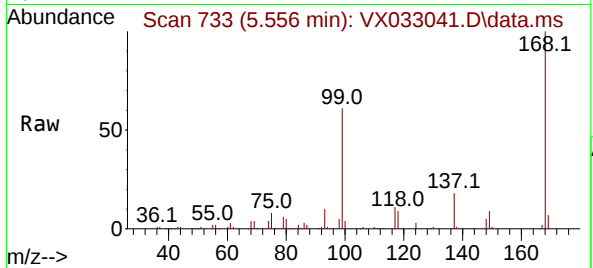




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

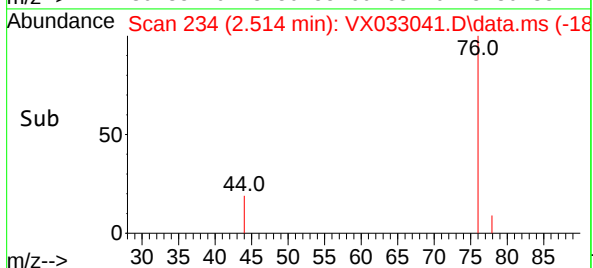
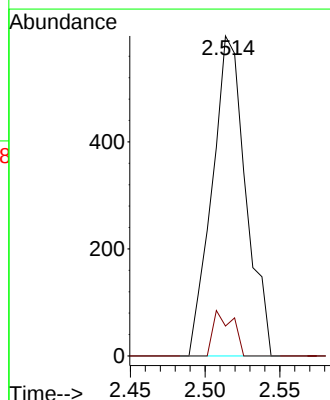
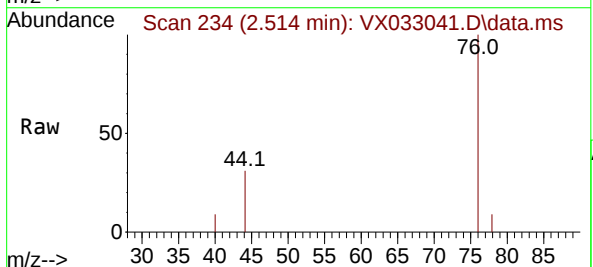
Instrument :
MSVOA_X
ClientSampleId :
MW-33

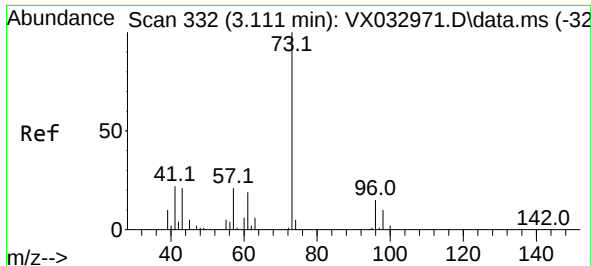
Tgt Ion:168 Resp: 131539
Ion Ratio Lower Upper
168 100
99 60.8 46.1 69.1



#17
Carbon Disulfide
Concen: 0.295 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

Tgt Ion: 76 Resp: 936
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3





#19

Methyl tert-butyl Ether

Concen: 0.907 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

Instrument :

MSVOA_X

ClientSampleId :

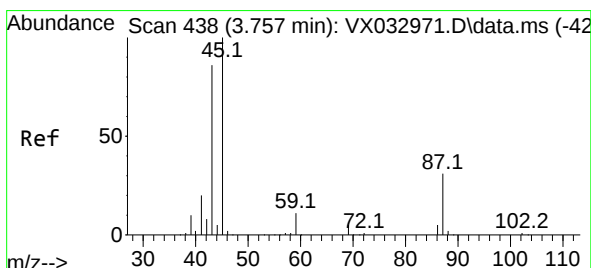
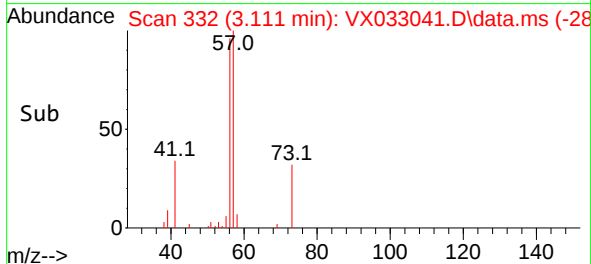
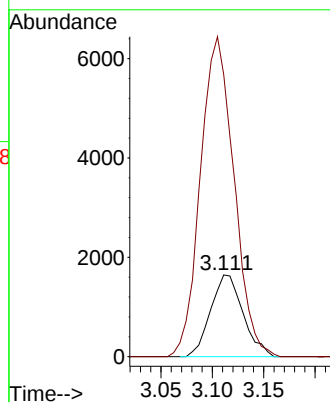
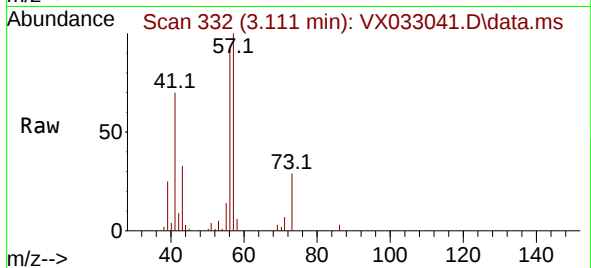
MW-33

Tgt Ion: 73 Resp: 3612

Ion Ratio Lower Upper

73 100

57 345.1 16.6 25.0#



#22

Diisopropyl ether

Concen: 0.652 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

Tgt Ion: 45 Resp: 2630

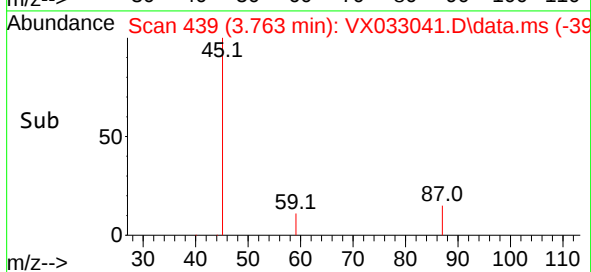
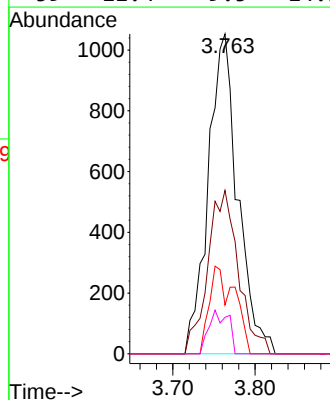
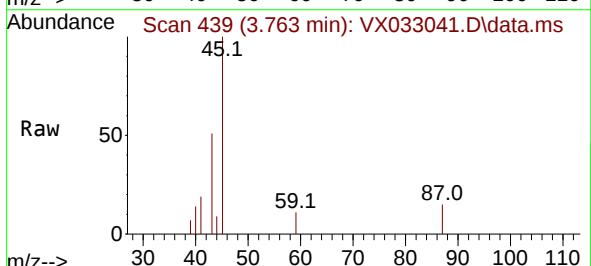
Ion Ratio Lower Upper

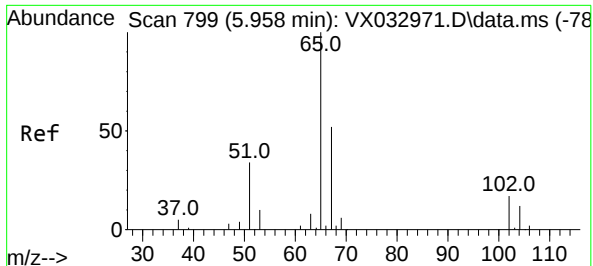
45 100

43 51.1 56.4 84.6#

87 15.3 24.4 36.6#

59 11.4 9.5 14.3





#33

1,2-Dichloroethane-d4

Concen: 56.705 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

Instrument :

MSVOA_X

ClientSampleId :

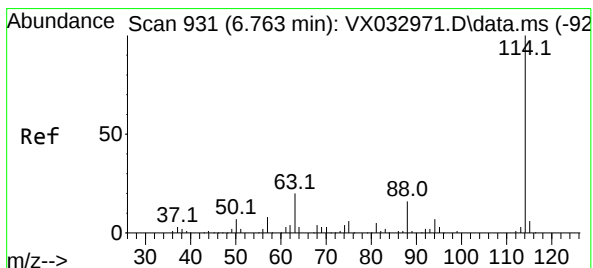
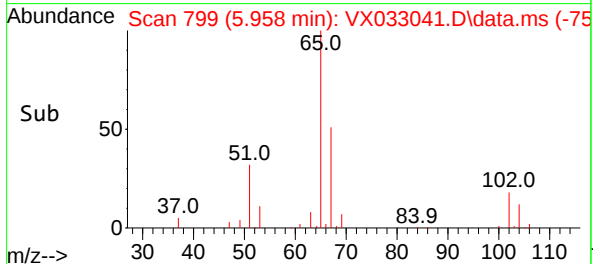
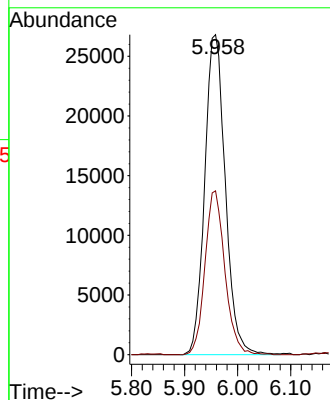
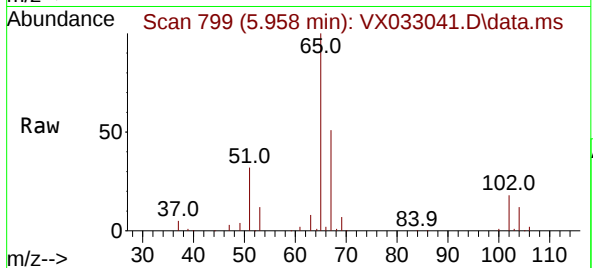
MW-33

Tgt Ion: 65 Resp: 72345

Ion Ratio Lower Upper

65 100

67 49.5 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: VX033041.D

Acq: 24 Nov 2022 06:04

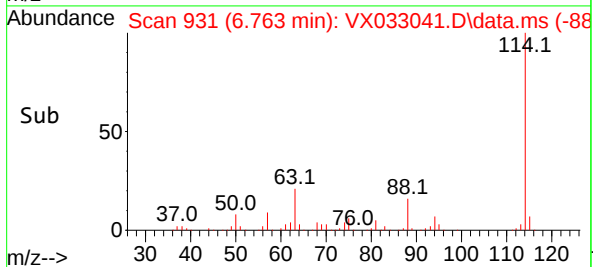
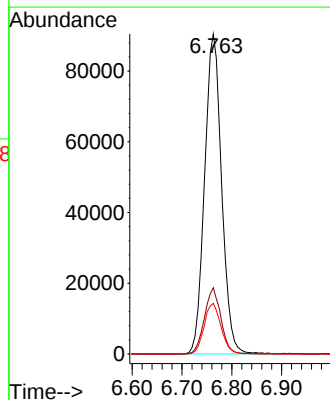
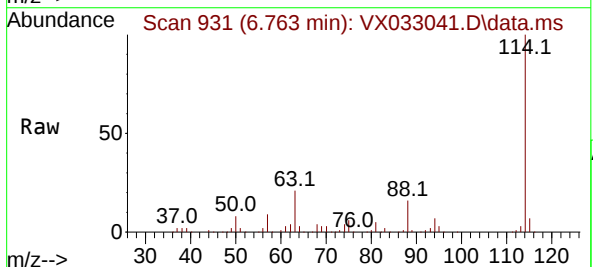
Tgt Ion: 114 Resp: 214551

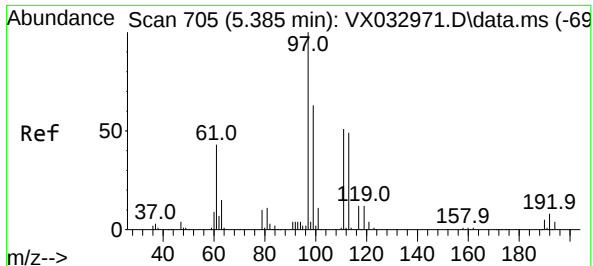
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.285 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

Instrument :

MSVOA_X

ClientSampleId :

MW-33

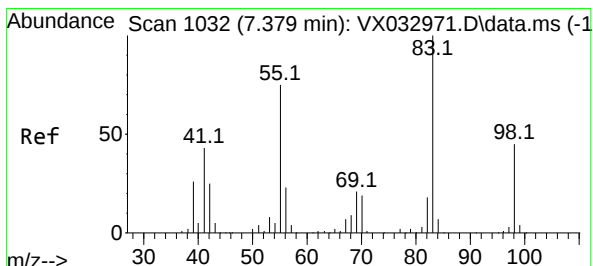
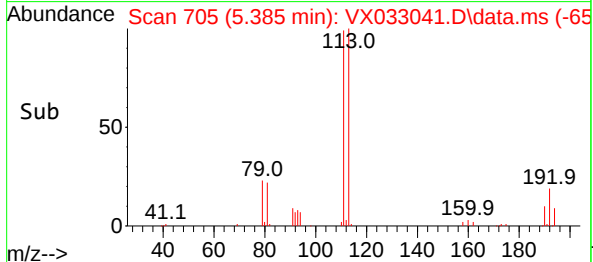
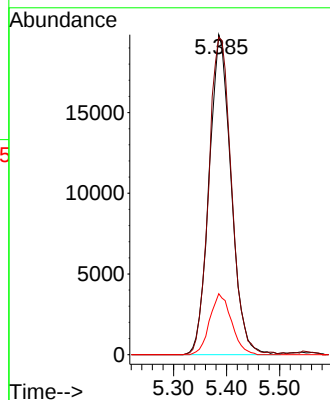
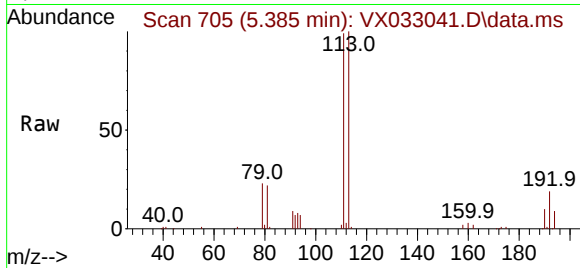
Tgt Ion:113 Resp: 57194

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 18.8 15.4 23.2



#39

Methylcyclohexane

Concen: 7.011 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

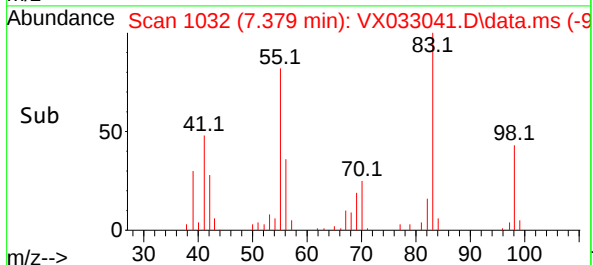
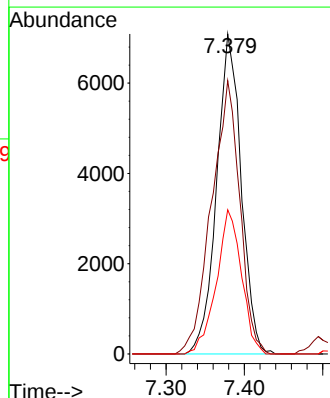
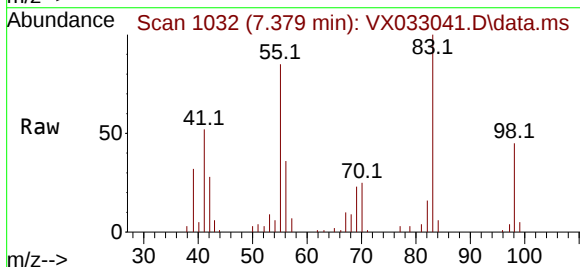
Tgt Ion: 83 Resp: 15472

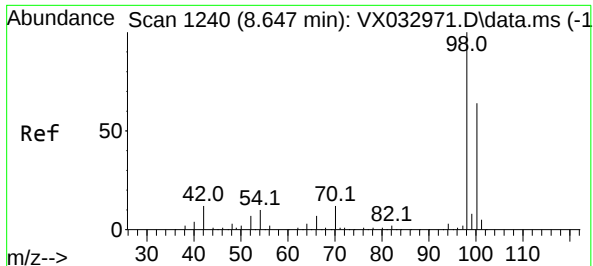
Ion Ratio Lower Upper

83 100

55 85.4 58.4 87.6

98 45.0 37.2 55.8

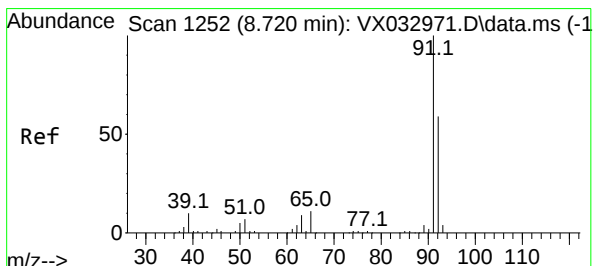
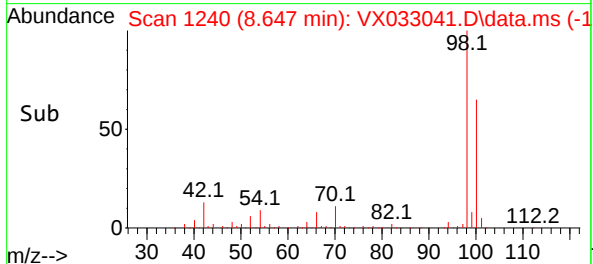
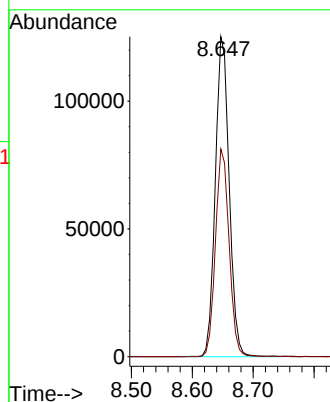
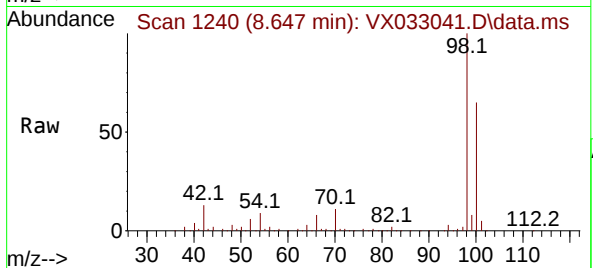




#50
Toluene-d8
Concen: 54.542 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

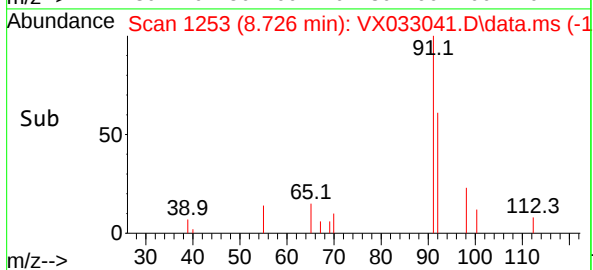
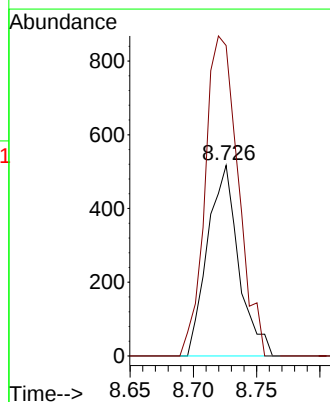
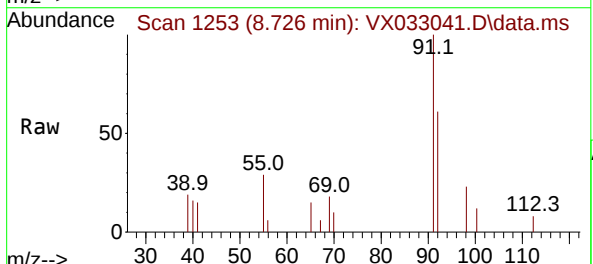
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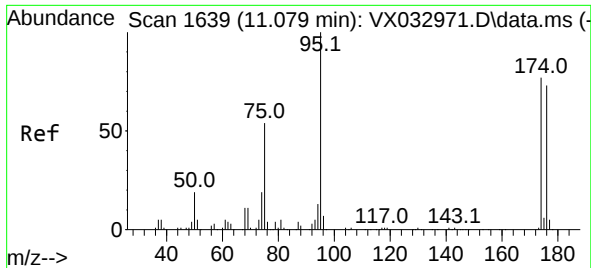
Tgt Ion: 98 Resp: 197783
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#52
Toluene
Concen: 0.248 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

Tgt Ion: 92 Resp: 884
Ion Ratio Lower Upper
92 100
91 178.5 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 45.769 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

Instrument :

MSVOA_X

ClientSampleId :

MW-33

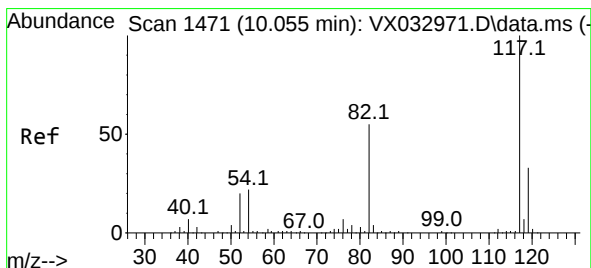
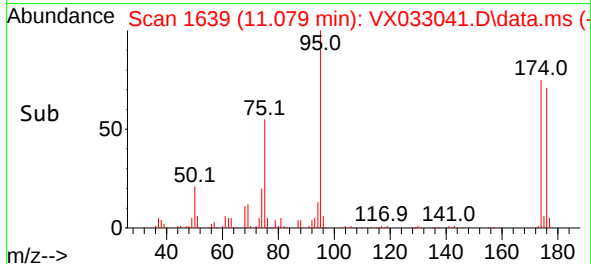
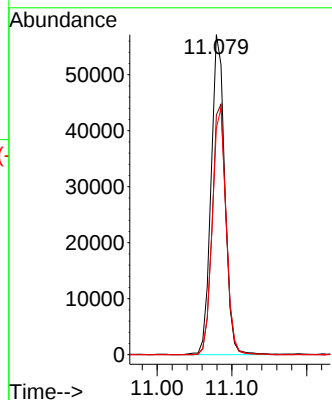
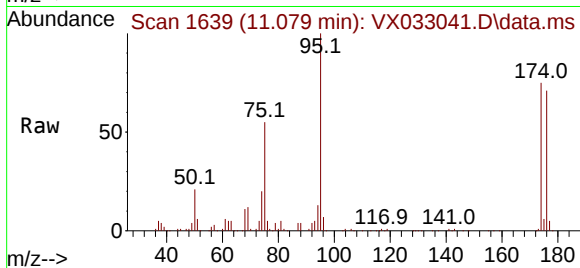
Tgt Ion: 95 Resp: 72722

Ion Ratio Lower Upper

95 100

174 78.9 0.0 164.0

176 77.8 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: VX033041.D

Acq: 24 Nov 2022 06:04

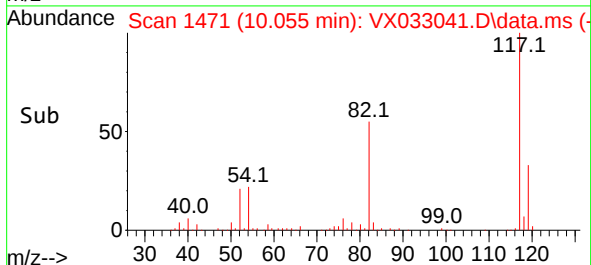
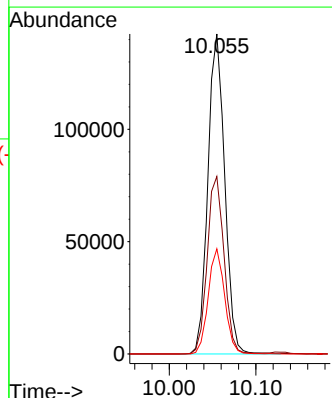
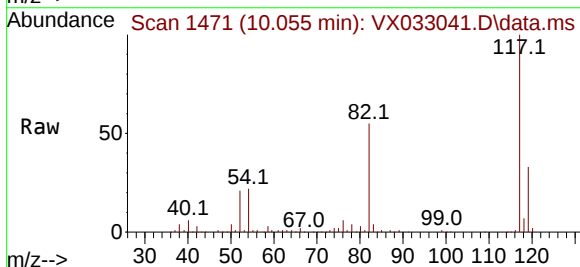
Tgt Ion: 117 Resp: 192177

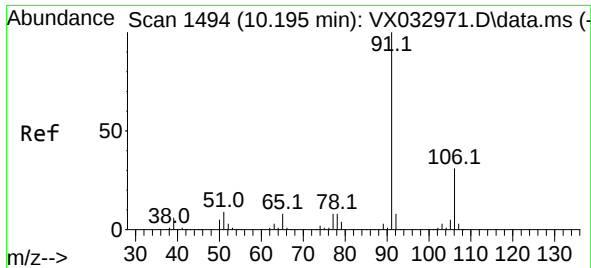
Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

119 32.8 25.7 38.5

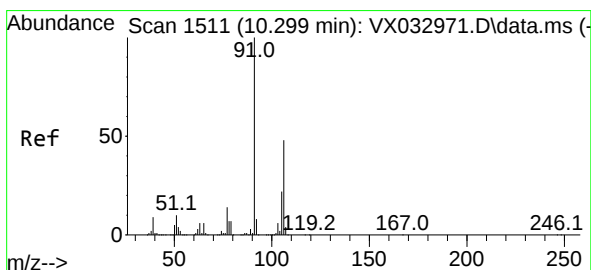
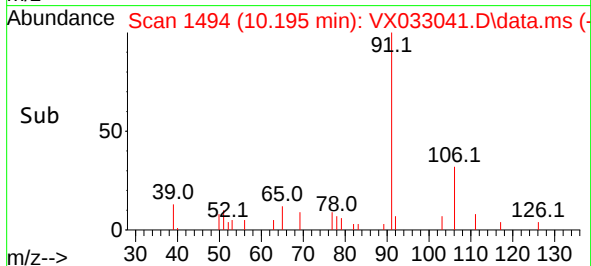
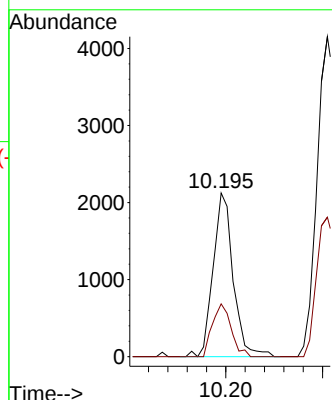
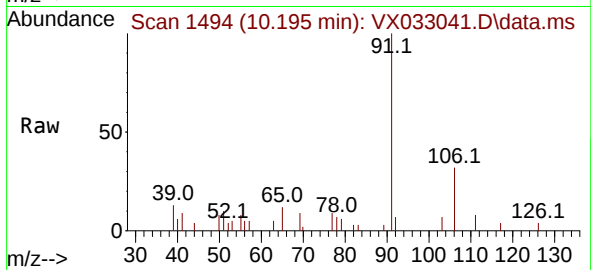




#67
Ethyl Benzene
Concen: 0.449 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

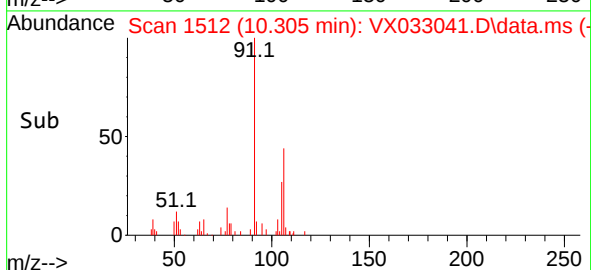
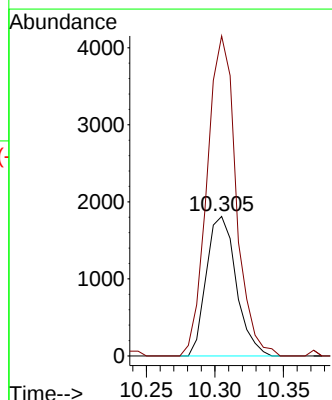
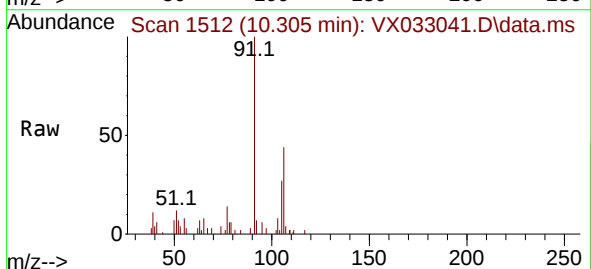
Instrument :
MSVOA_X
ClientSampleId :
MW-33

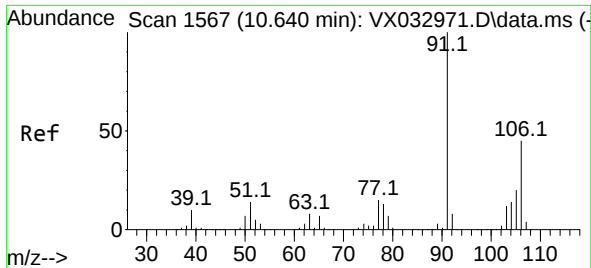
Tgt Ion: 91 Resp: 3051
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.6



#68
m/p-Xylenes
Concen: 1.030 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

Tgt Ion: 106 Resp: 2742
Ion Ratio Lower Upper
106 100
91 223.6 164.5 246.7

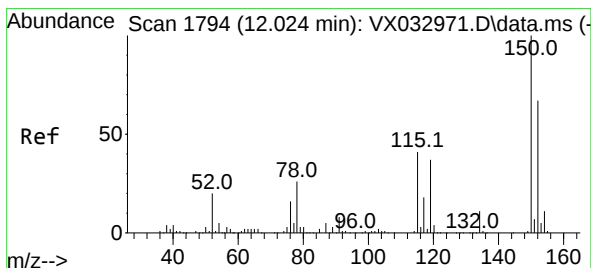
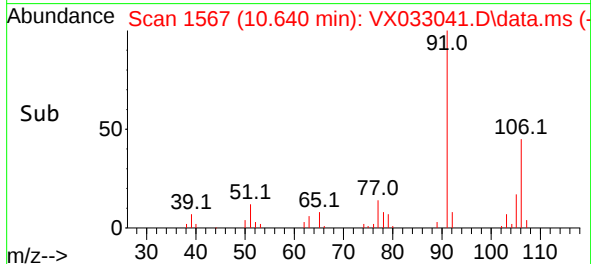
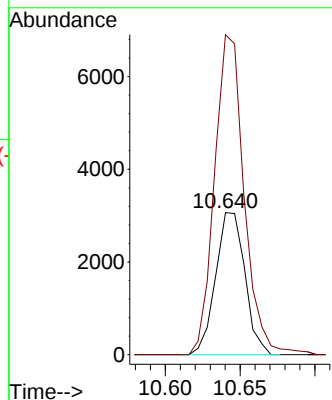
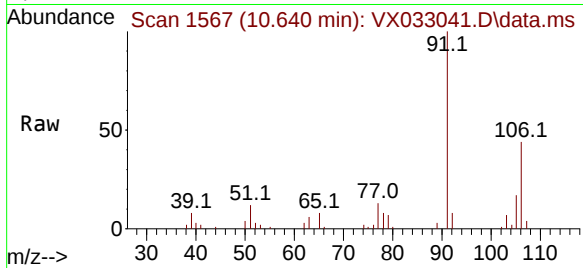




#69
o-Xylene
Concen: 1.618 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

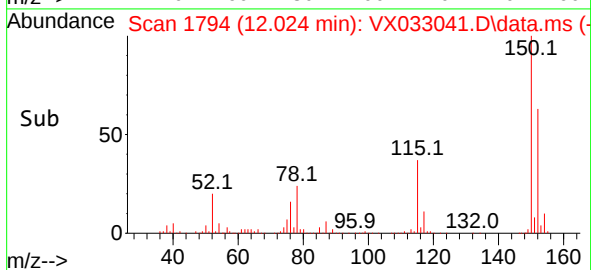
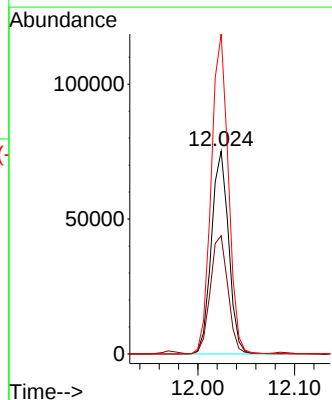
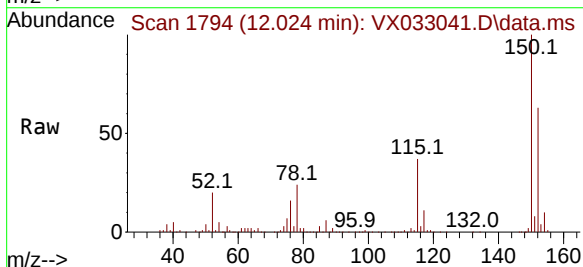
Instrument :
MSVOA_X
ClientSampleId :
MW-33

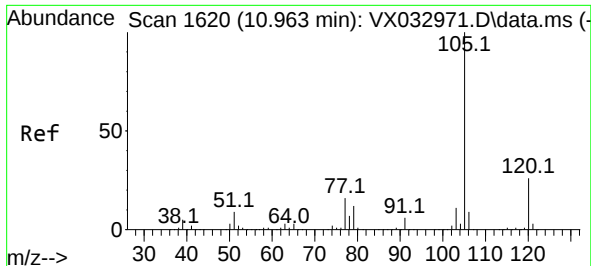
Tgt Ion:106 Resp: 4166
Ion Ratio Lower Upper
106 100
91 228.7 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

Tgt Ion:152 Resp: 93175
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 156.8 0.0 351.8

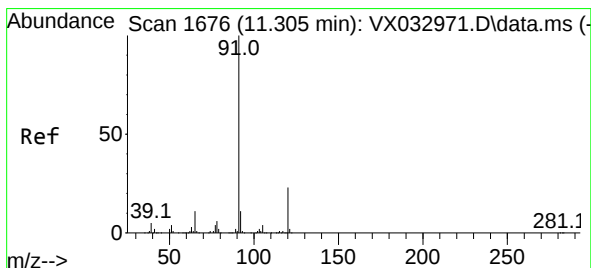
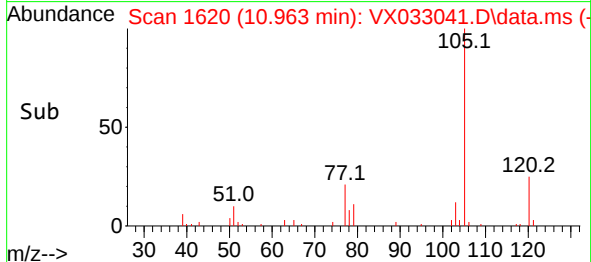
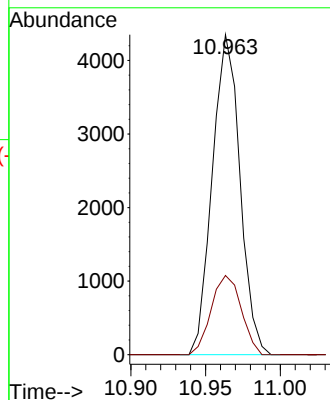
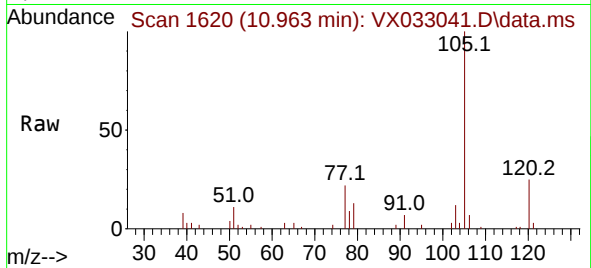




#73
Isopropylbenzene
Concen: 0.839 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

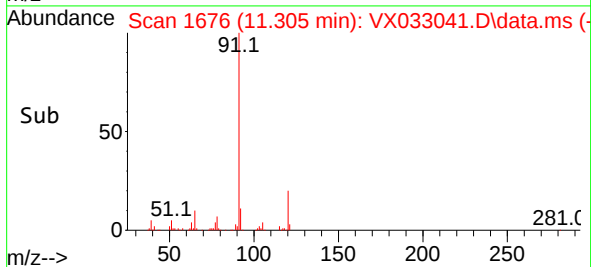
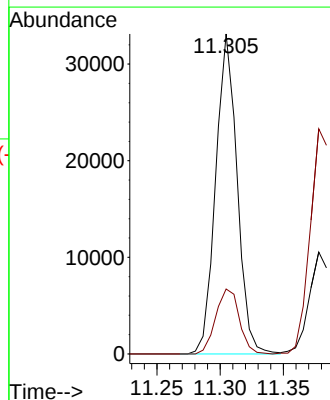
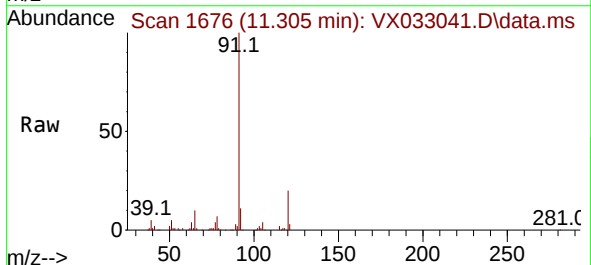
Instrument :
MSVOA_X
ClientSampleId :
MW-33

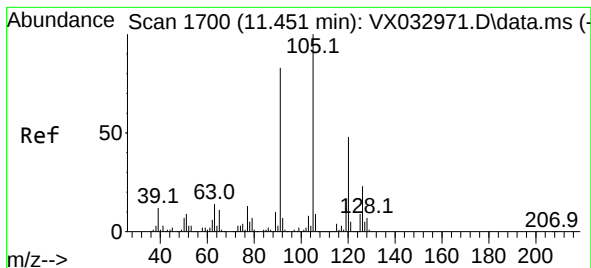
Tgt Ion:105 Resp: 5583
Ion Ratio Lower Upper
105 100
120 26.8 13.1 39.3



#78
n-propylbenzene
Concen: 5.122 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033041.D
Acq: 24 Nov 2022 06:04

Tgt Ion: 91 Resp: 38992
Ion Ratio Lower Upper
91 100
120 22.2 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 11.024 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX033041.D

Acq: 24 Nov 2022 06:04

Instrument :

MSVOA_X

ClientSampleId :

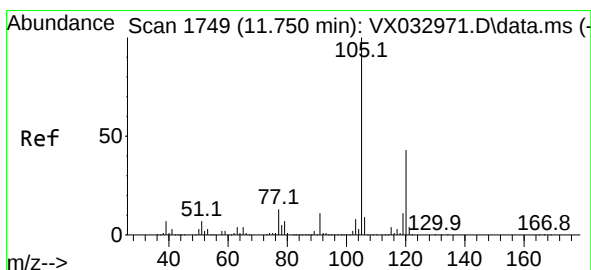
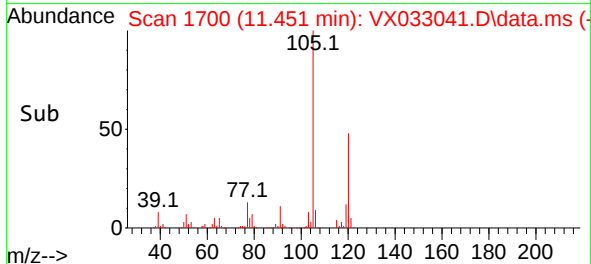
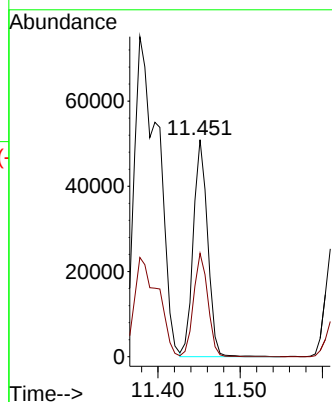
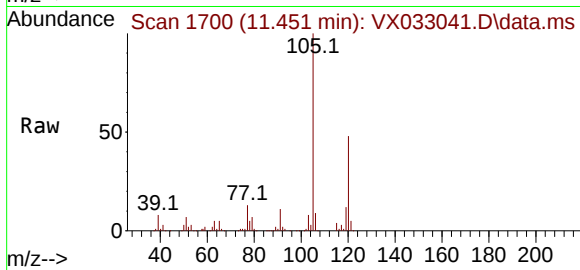
MW-33

Tgt Ion:105 Resp: 61663

Ion Ratio Lower Upper

105 100

120 47.4 23.6 71.0



#84

1,2,4-Trimethylbenzene

Concen: 21.863 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX033041.D

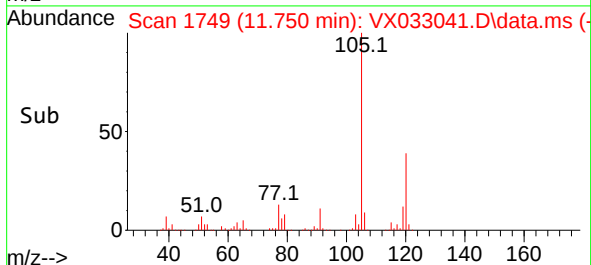
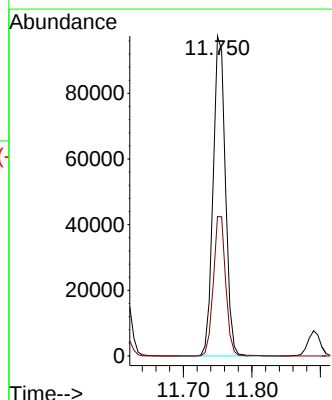
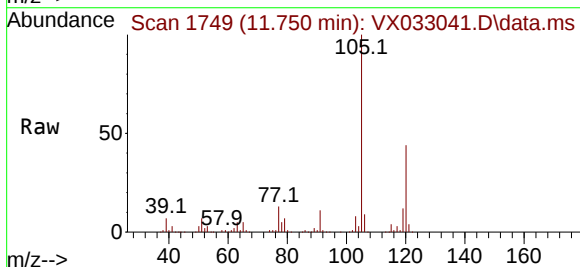
Acq: 24 Nov 2022 06:04

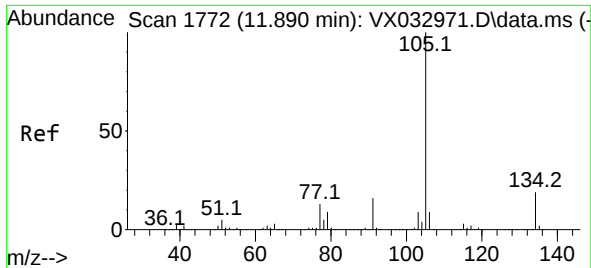
Tgt Ion:105 Resp: 121933

Ion Ratio Lower Upper

105 100

120 43.4 21.9 65.5

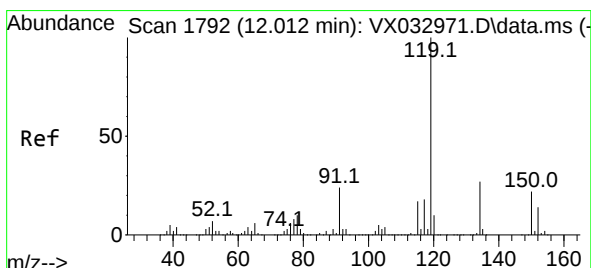
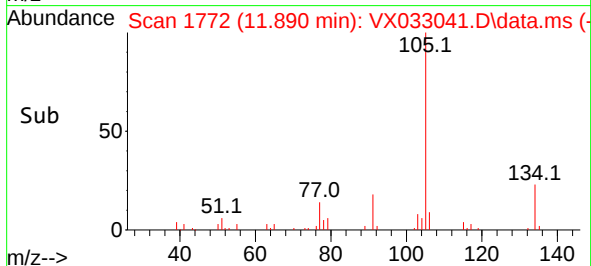
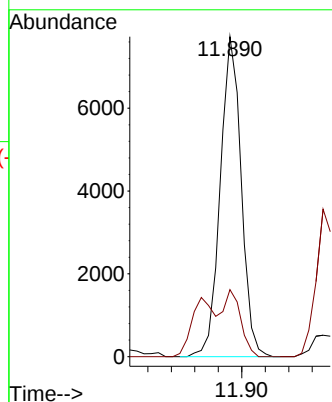
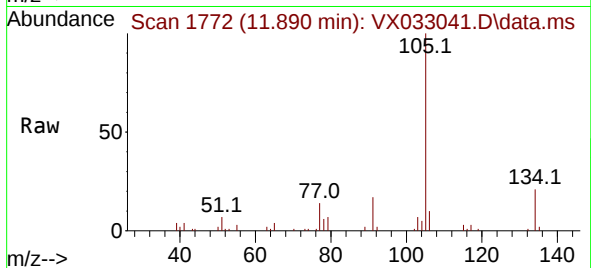




#85
 sec-Butylbenzene
 Concen: 1.435 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX033041.D
 Acq: 24 Nov 2022 06:04

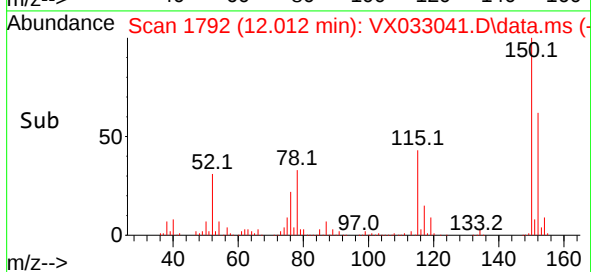
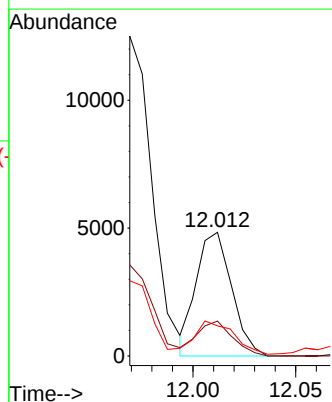
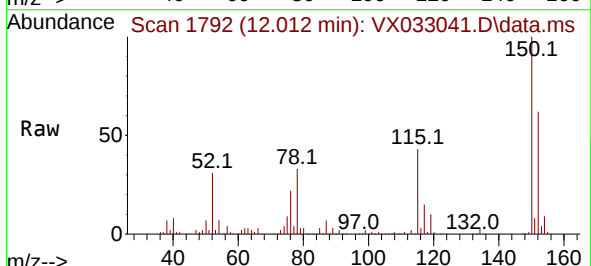
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33

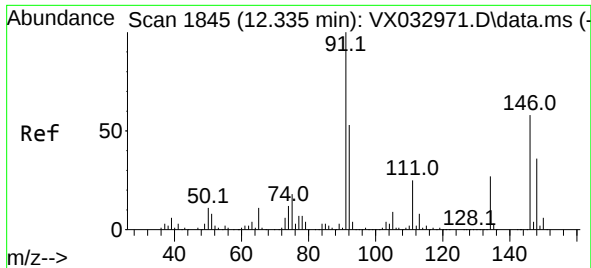
Tgt Ion:105 Resp: 9561
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 1.026 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX033041.D
 Acq: 24 Nov 2022 06:04

Tgt Ion:119 Resp: 5792
 Ion Ratio Lower Upper
 119 100
 134 28.5 12.9 38.7
 91 28.6 12.5 37.5





#89

n-Butylbenzene

Concen: 6.717 ug/l

RT: 12.323 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX033041.D

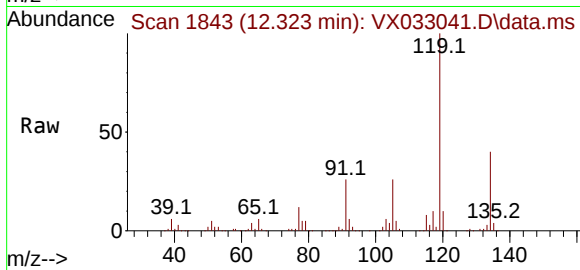
Acq: 24 Nov 2022 06:04

Instrument :

MSVOA_X

ClientSampleId :

MW-33



Tgt Ion: 91 Resp: 32658

Ion Ratio Lower Upper

91 100

92 29.6 26.2 78.6

134 117.4 12.9 38.6#

