

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033115.D
 Acq On : 29 Nov 2022 14:10
 Operator : JC/MD
 Sample : N5741-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-40

Quant Time: Nov 30 01:02:54 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)

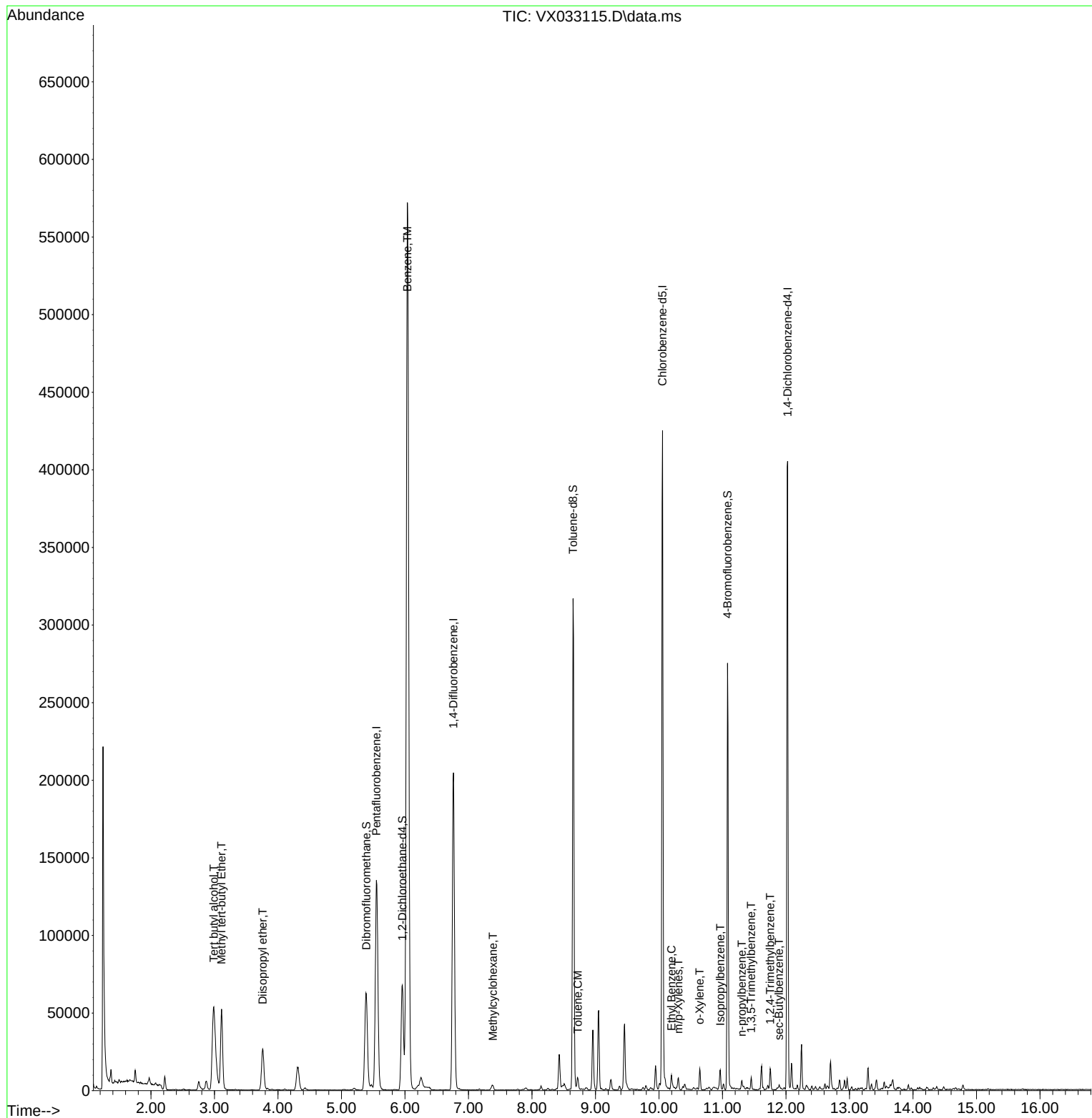
Internal Standards						
1) Pentafluorobenzene	5.550	168	128876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69370	55.426	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.860%
35) Dibromofluoromethane	5.391	113	55757	47.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.920%
50) Toluene-d8	8.647	98	187758	53.261	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.520%
62) 4-Bromofluorobenzene	11.079	95	69724	45.183	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.360%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.989	59	103132	518.378	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	54803	14.051	ug/l	98
22) Diisopropyl ether	3.758	45	27650	6.994	ug/l #	85
39) Methylcyclohexane	7.385	83	1538	0.718	ug/l #	79
40) Benzene	6.038	78	685743	130.207	ug/l	99
52) Toluene	8.720	92	2327	0.672	ug/l	93
67) Ethyl Benzene	10.195	91	5552	0.839	ug/l	90
68) m/p-Xylenes	10.305	106	1821	0.703	ug/l	96
69) o-Xylene	10.640	106	2755	1.098	ug/l	97
73) Isopropylbenzene	10.964	105	6156	0.996	ug/l	96
78) n-propylbenzene	11.305	91	1524	0.216	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	3255	0.627	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	5978	1.155	ug/l	95
85) sec-Butylbenzene	11.890	105	1417	0.229	ug/l	97

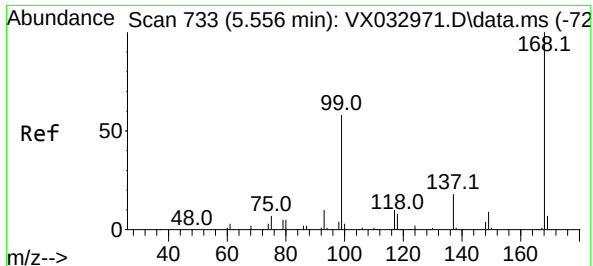
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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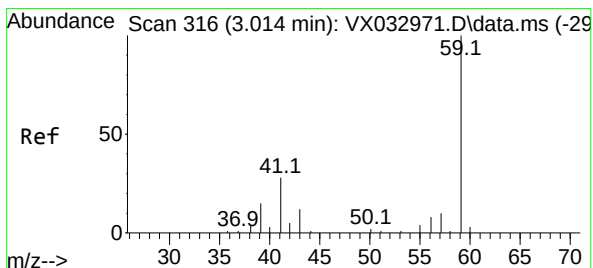
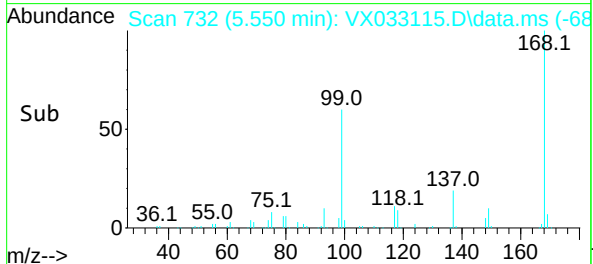
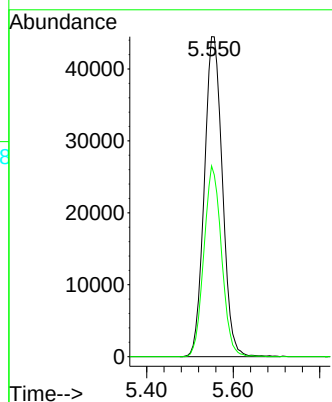
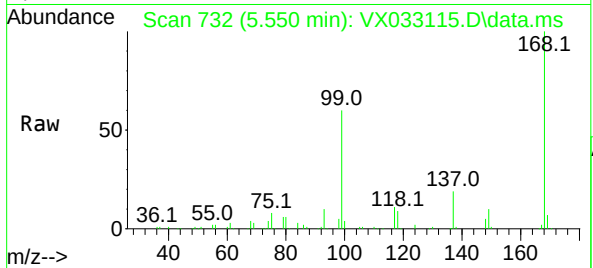




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

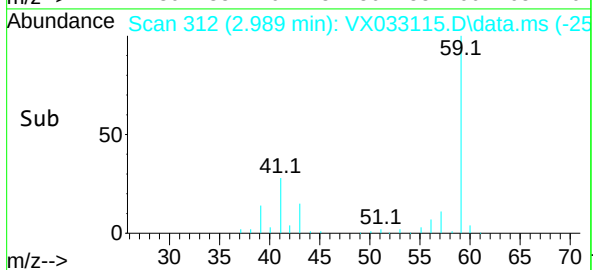
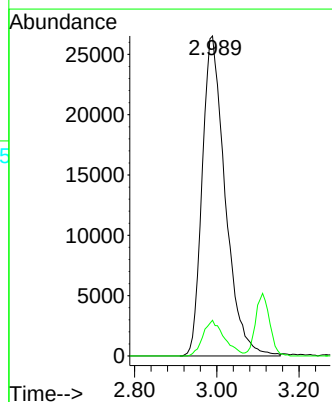
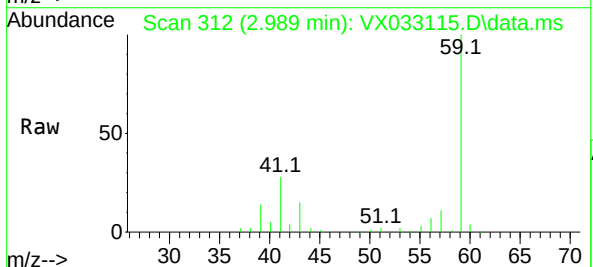
Instrument :
MSVOA_X
ClientSampleId :
MW-40

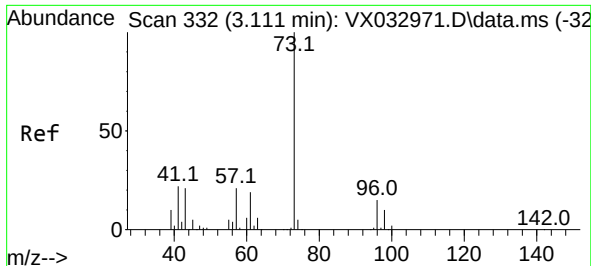
Tgt Ion:168 Resp: 128876
Ion Ratio Lower Upper
168 100
99 59.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 518.378 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion: 59 Resp: 103132
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

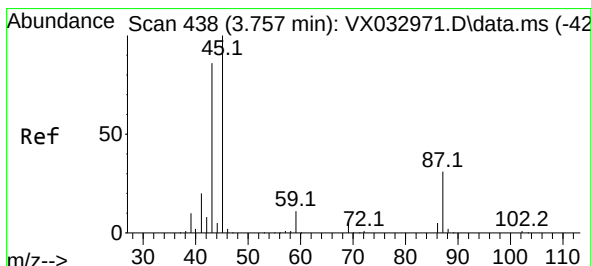
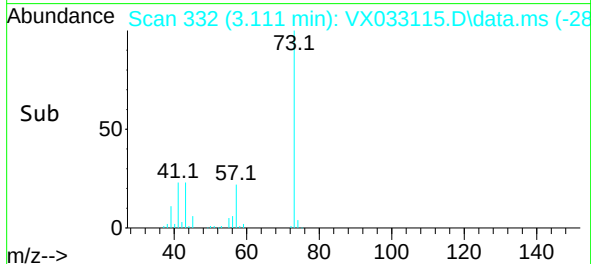
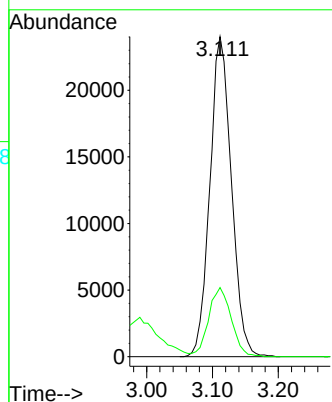
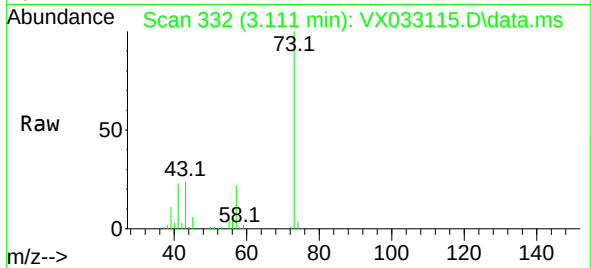




#19
Methyl tert-butyl Ether
Concen: 14.051 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

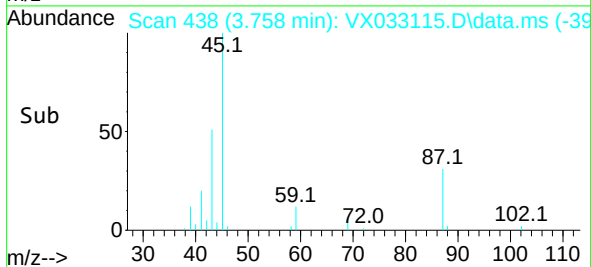
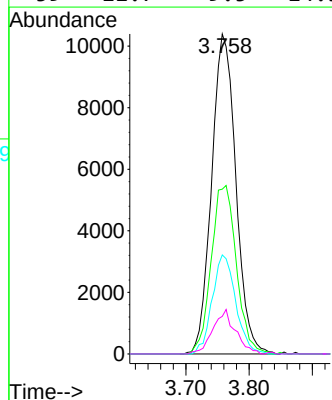
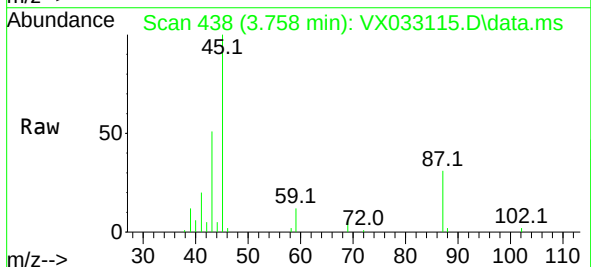
Instrument :
MSVOA_X
ClientSampleId :
MW-40

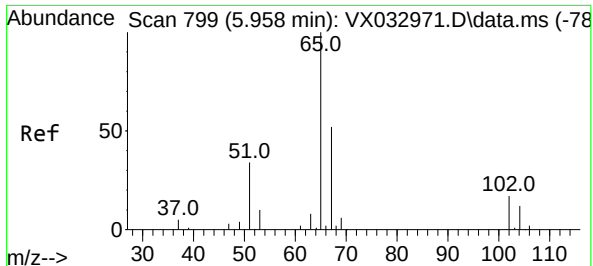
Tgt Ion: 73 Resp: 54803
Ion Ratio Lower Upper
73 100
57 21.6 16.6 25.0



#22
Diisopropyl ether
Concen: 6.994 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.005 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion: 45 Resp: 27650
Ion Ratio Lower Upper
45 100
43 51.5 56.4 84.6#
87 30.9 24.4 36.6
59 11.7 9.5 14.3





#33

1,2-Dichloroethane-d4

Concen: 55.426 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033115.D

Acq: 29 Nov 2022 14:10

Instrument :

MSVOA_X

ClientSampleId :

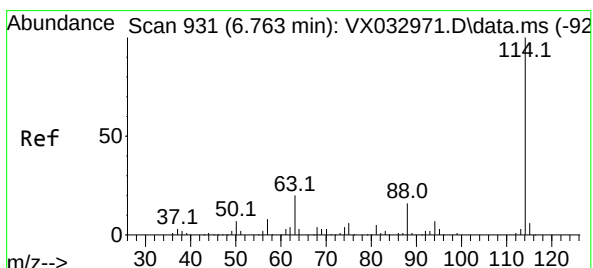
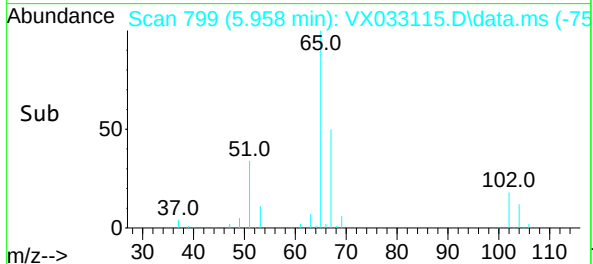
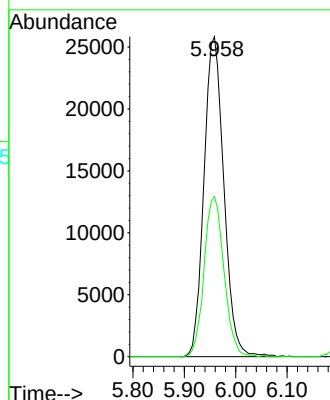
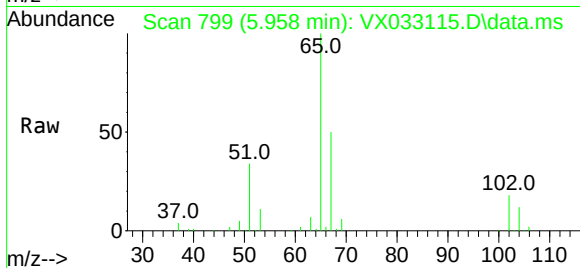
MW-40

Tgt Ion: 65 Resp: 69370

Ion Ratio Lower Upper

65 100

67 49.9 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: VX033115.D

Acq: 29 Nov 2022 14:10

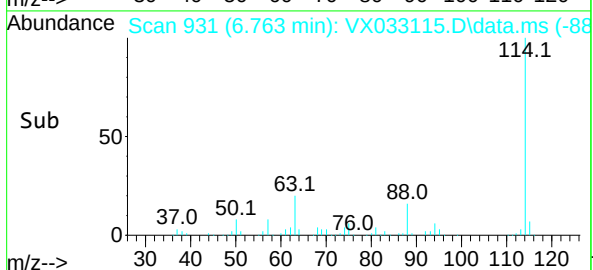
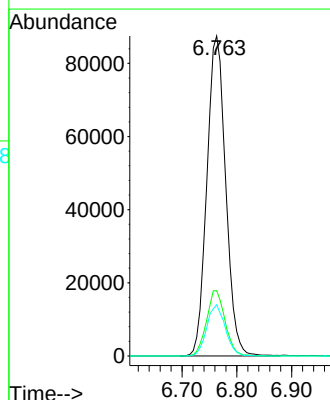
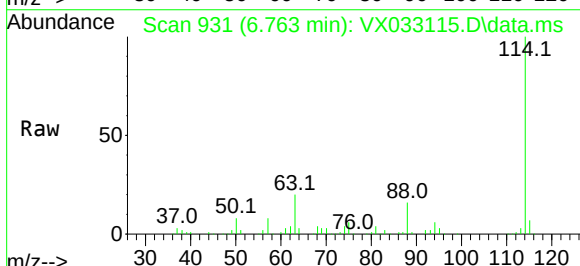
Tgt Ion: 114 Resp: 208377

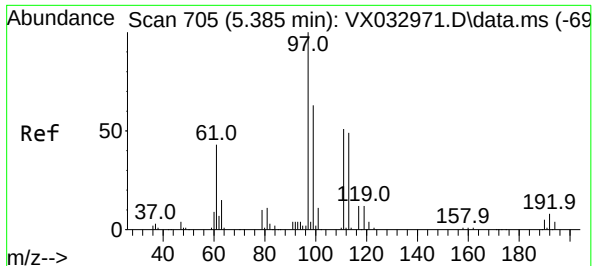
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 16.0 0.0 33.4

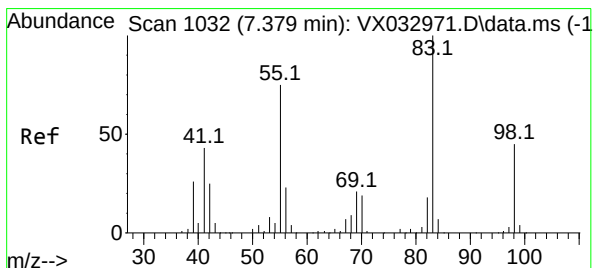
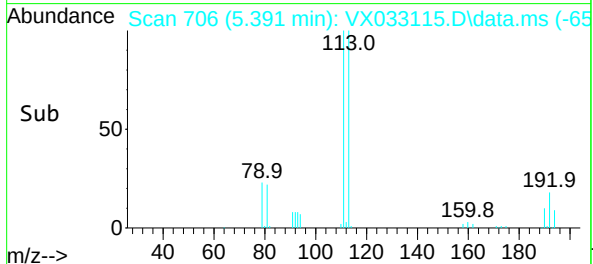
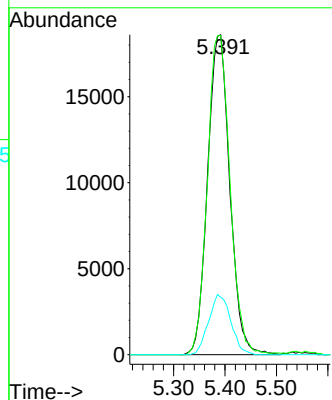
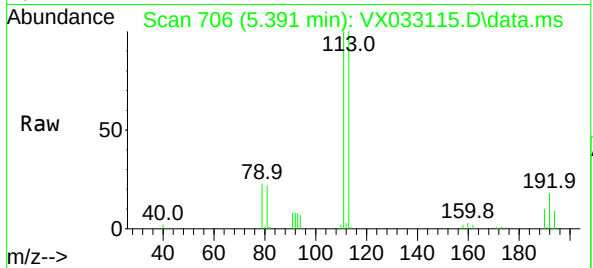




#35
Dibromofluoromethane
Concen: 47.463 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

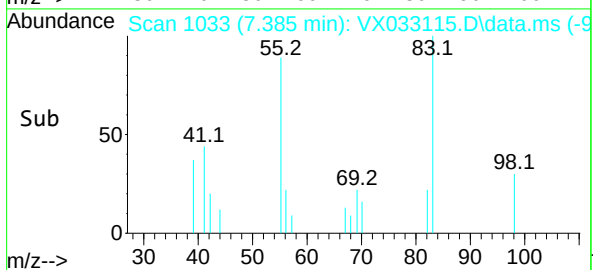
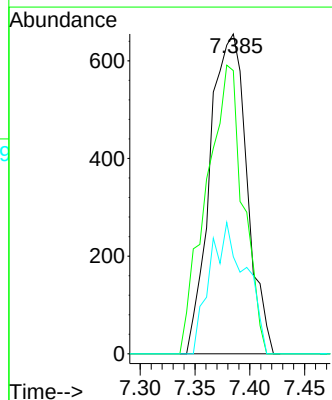
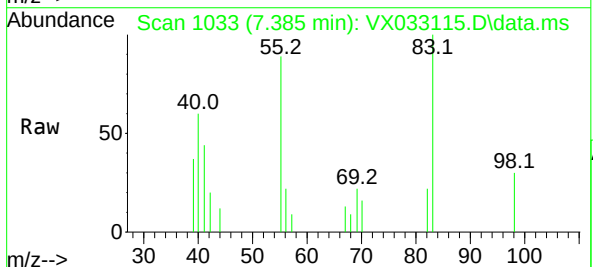
Instrument :
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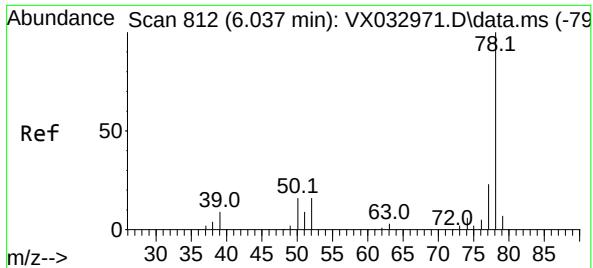
Tgt Ion:113 Resp: 55757
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 18.8 15.4 23.2



#39
Methylcyclohexane
Concen: 0.718 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion: 83 Resp: 1538
Ion Ratio Lower Upper
83 100
55 88.5 58.4 87.6#
98 30.4 37.2 55.8#

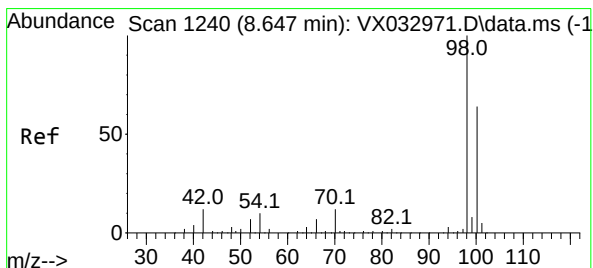
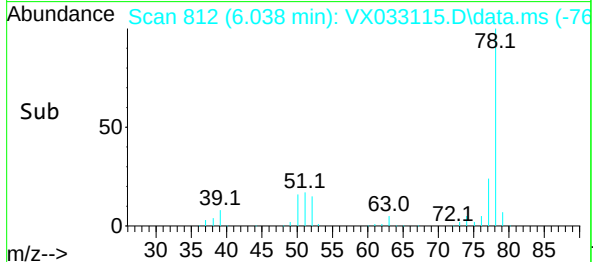
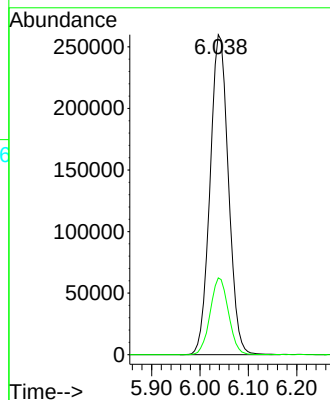
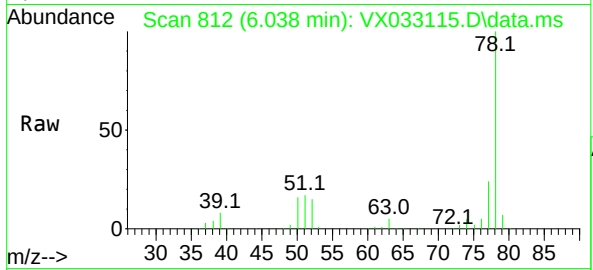




#40
Benzene
Concen: 130.207 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

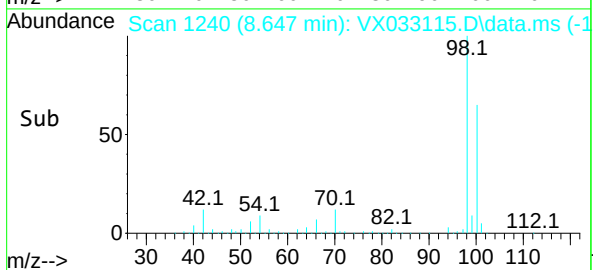
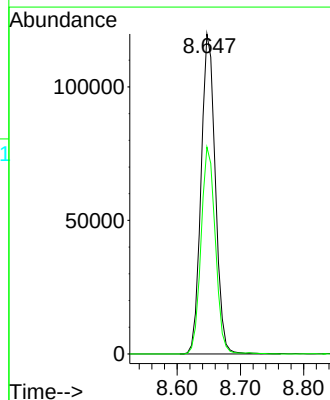
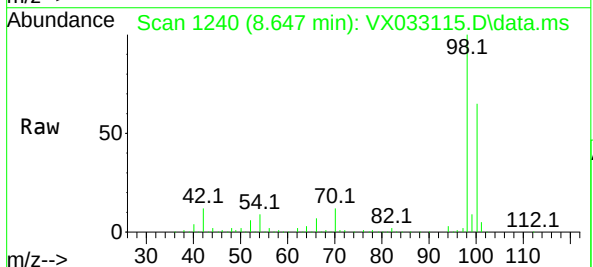
Instrument :
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MW-40

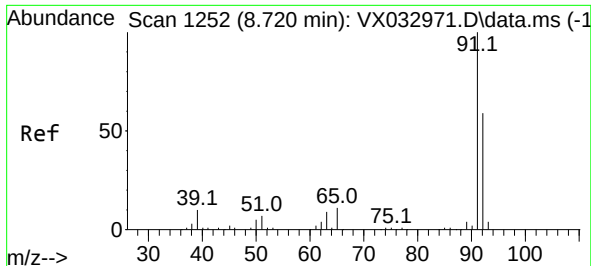
Tgt Ion: 78 Resp: 685743
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



#50
Toluene-d8
Concen: 53.261 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion: 98 Resp: 187758
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3

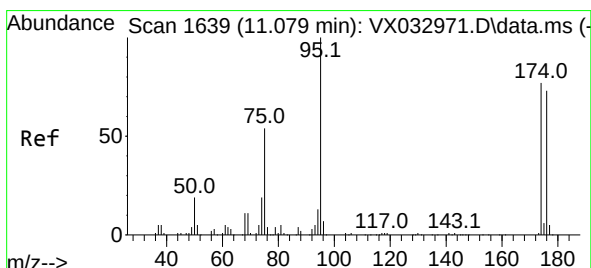
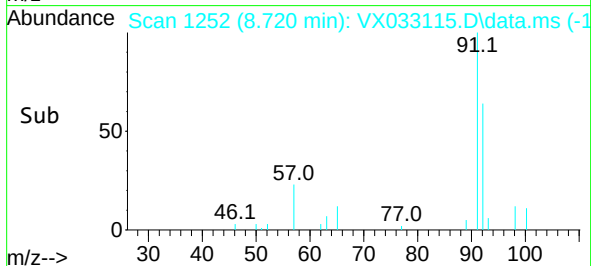
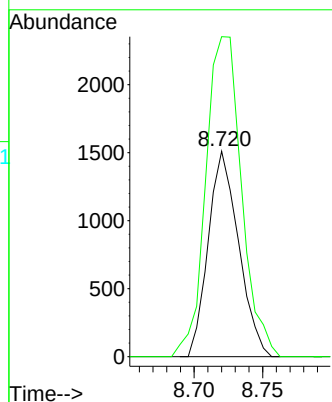
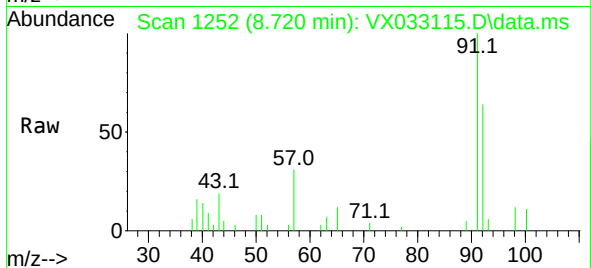




#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

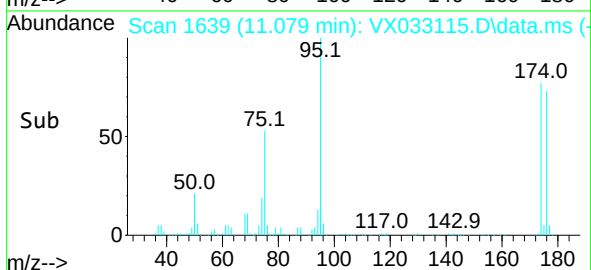
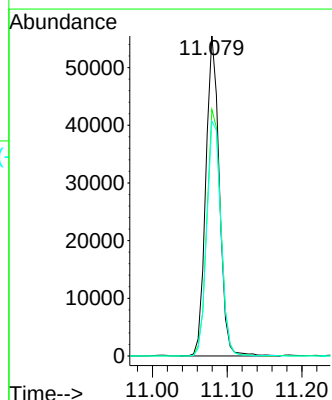
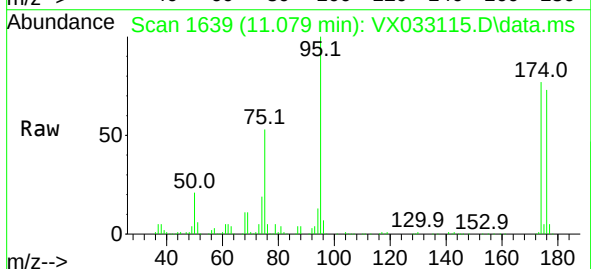
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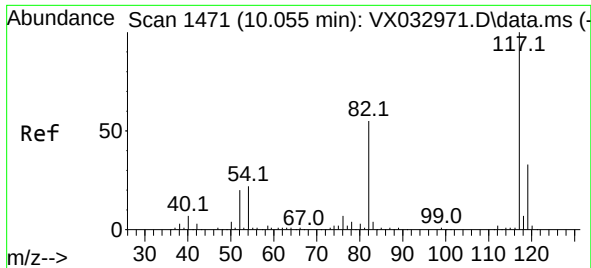
Tgt Ion: 92 Resp: 2327
Ion Ratio Lower Upper
92 100
91 183.2 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 45.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion: 95 Resp: 69724
Ion Ratio Lower Upper
95 100
174 79.4 0.0 164.0
176 76.8 0.0 154.4

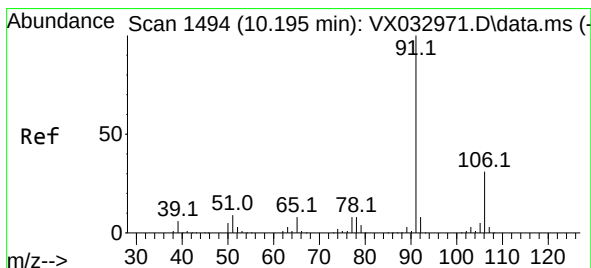
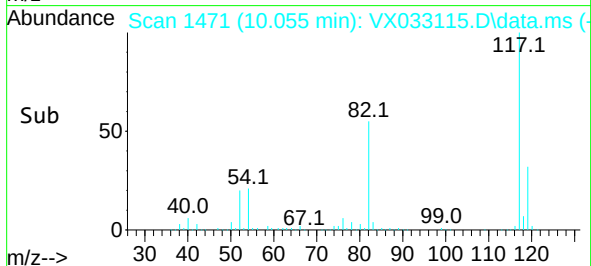
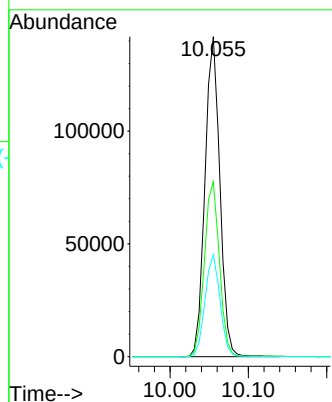
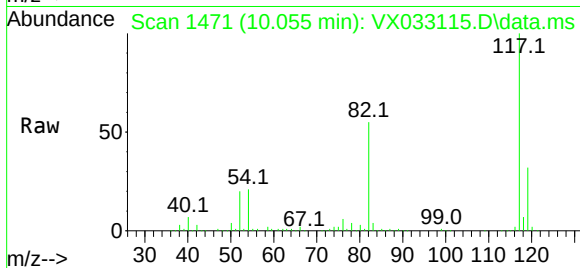




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

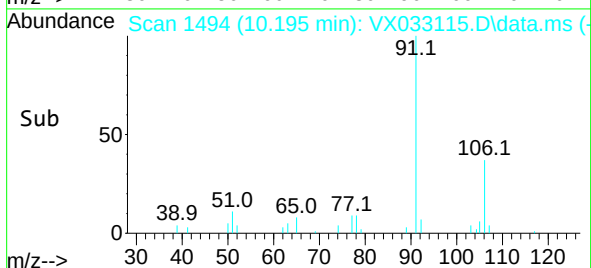
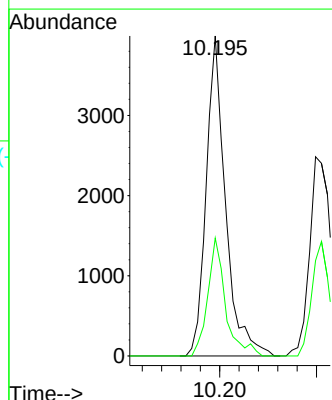
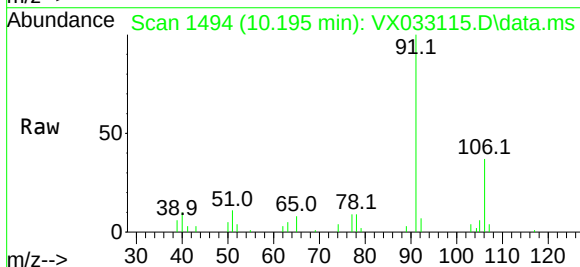
Instrument :
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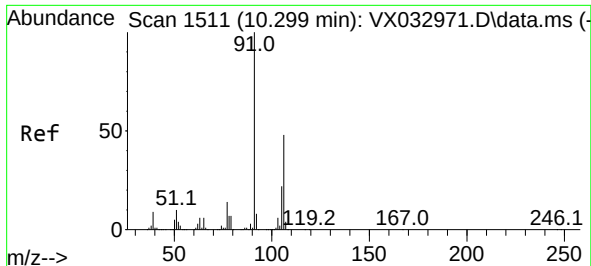
Tgt Ion:117 Resp: 187168
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 31.8 25.7 38.5



#67
Ethyl Benzene
Concen: 0.839 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion: 91 Resp: 5552
Ion Ratio Lower Upper
91 100
106 36.8 25.0 37.6

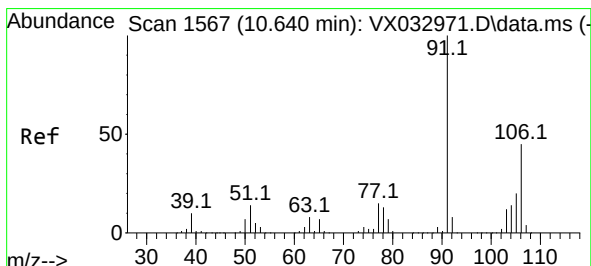
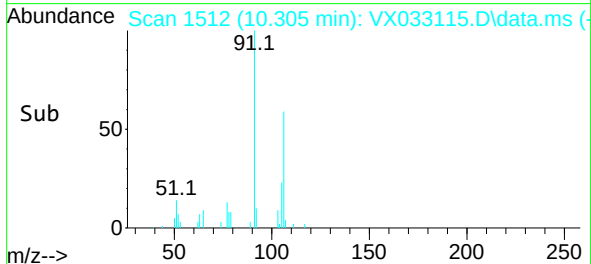
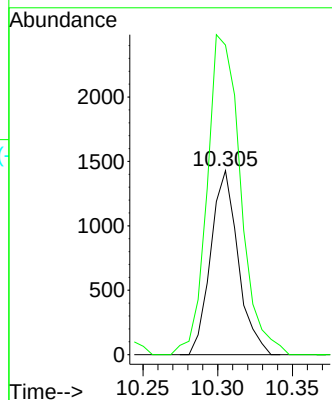
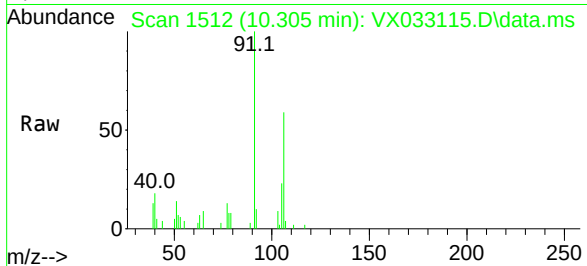




#68
m/p-Xylenes
Concen: 0.703 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

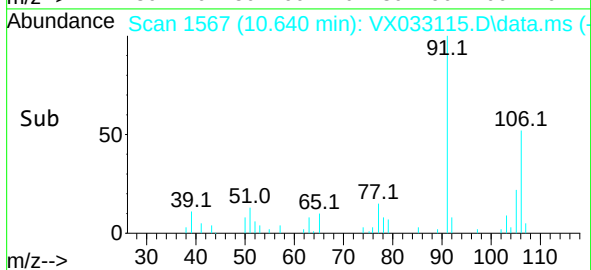
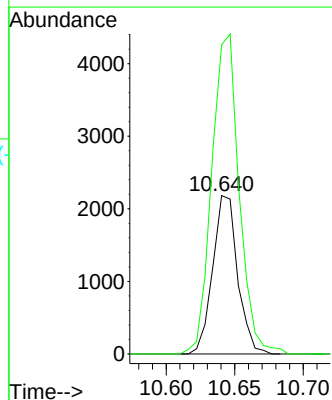
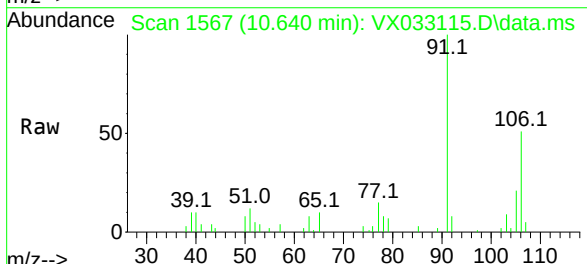
Instrument :
MSVOA_X
ClientSampleId :
MW-40

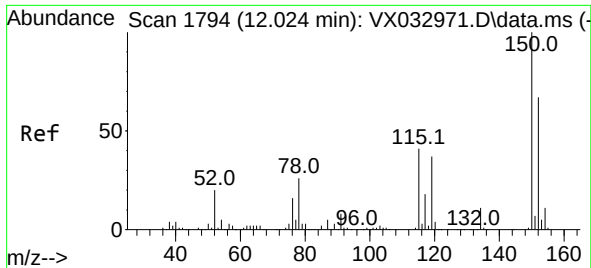
Tgt Ion:106 Resp: 1821
Ion Ratio Lower Upper
106 100
91 211.6 164.5 246.7



#69
o-Xylene
Concen: 1.098 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion:106 Resp: 2755
Ion Ratio Lower Upper
106 100
91 222.5 109.2 327.6

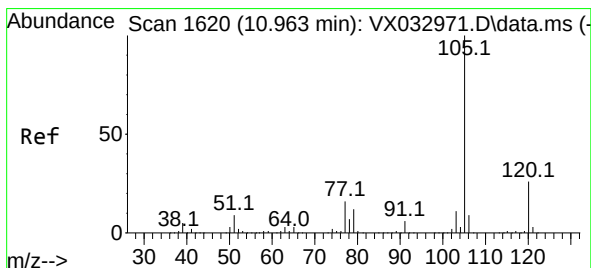
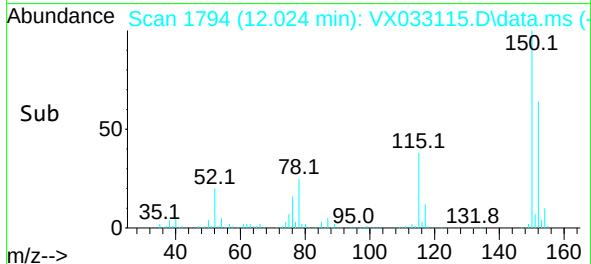
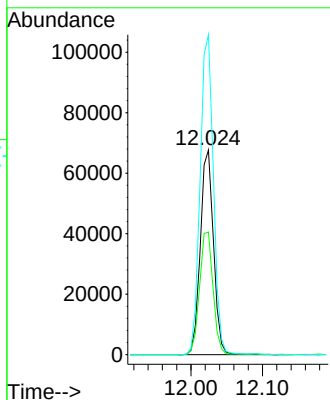
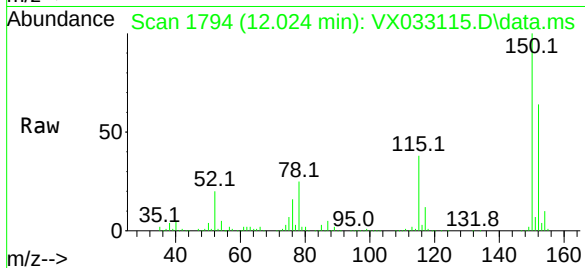




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

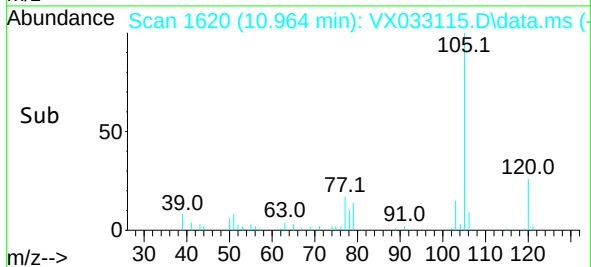
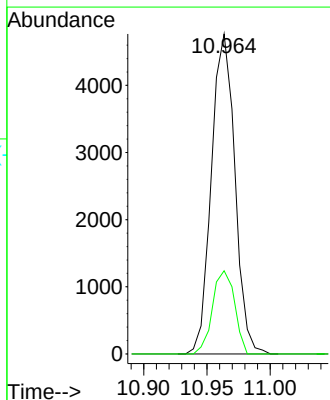
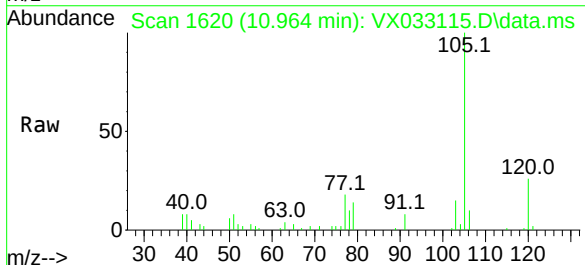
Instrument :
MSVOA_X
ClientSampleId :
MW-40

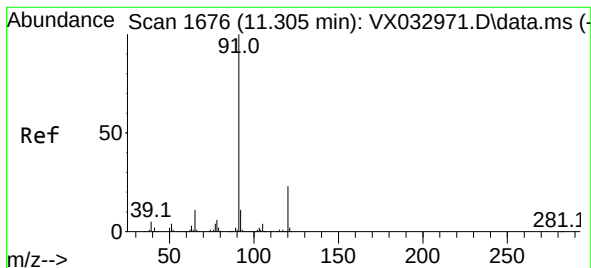
Tgt Ion:152 Resp: 86497
Ion Ratio Lower Upper
152 100
115 61.6 44.0 132.0
150 157.6 0.0 351.8



#73
Isopropylbenzene
Concen: 0.996 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion:105 Resp: 6156
Ion Ratio Lower Upper
105 100
120 24.4 13.1 39.3





#78

n-propylbenzene

Concen: 0.216 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033115.D

Acq: 29 Nov 2022 14:10

Instrument :

MSVOA_X

ClientSampleId :

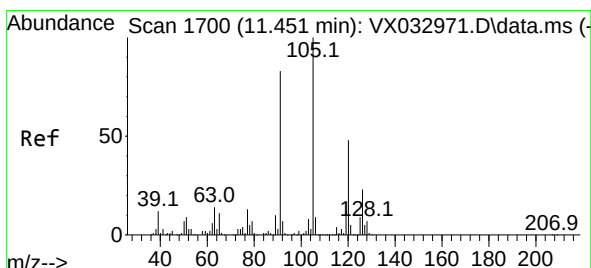
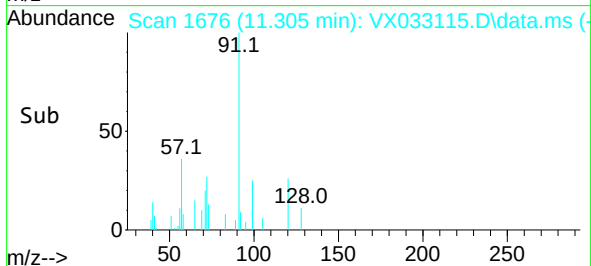
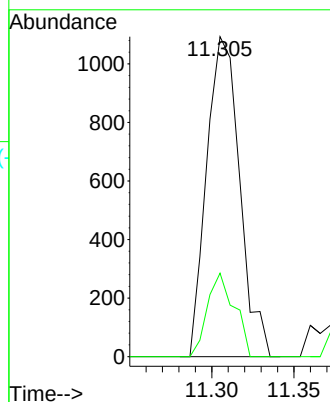
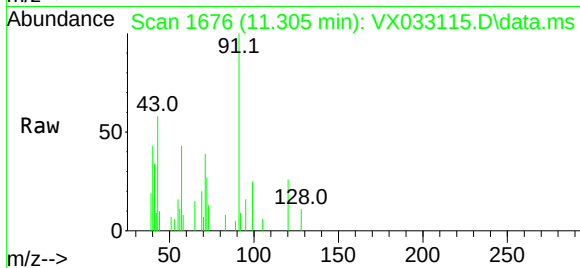
MW-40

Tgt Ion: 91 Resp: 1524

Ion Ratio Lower Upper

91 100

120 21.3 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 0.627 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX033115.D

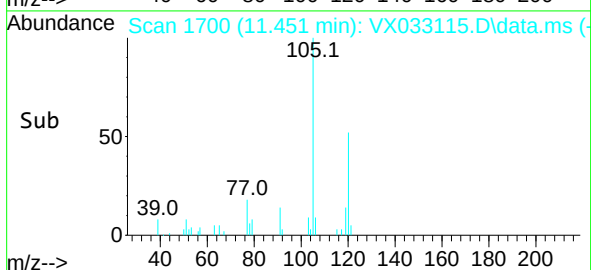
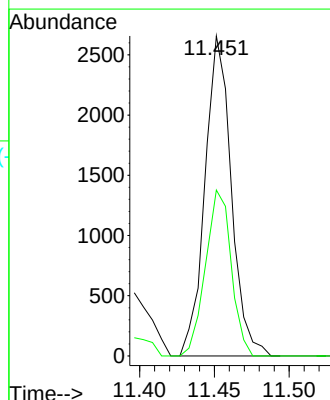
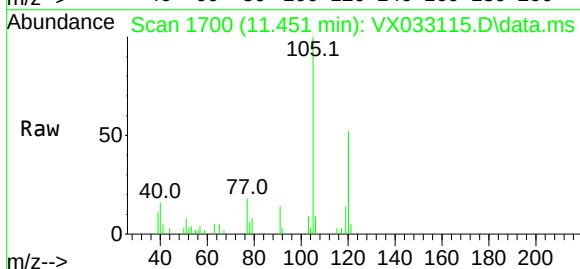
Acq: 29 Nov 2022 14:10

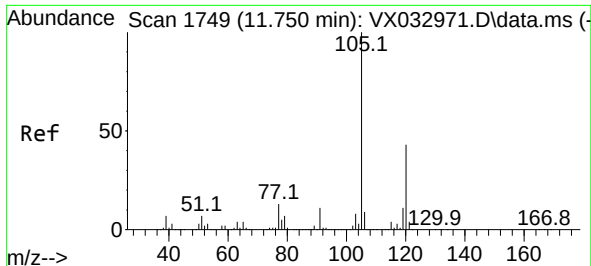
Tgt Ion: 105 Resp: 3255

Ion Ratio Lower Upper

105 100

120 50.5 23.6 71.0

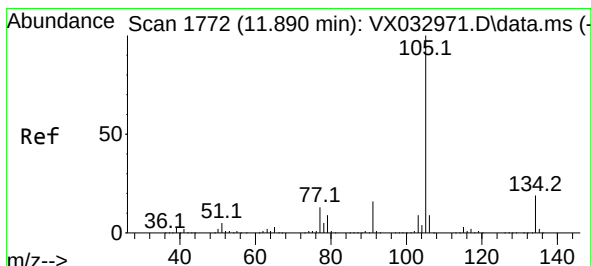
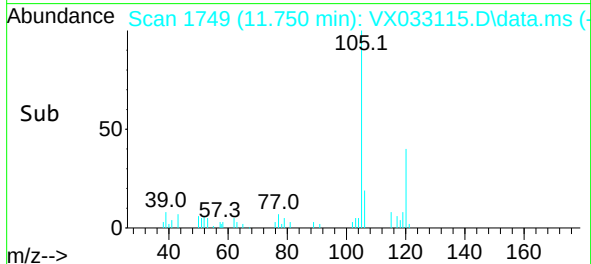
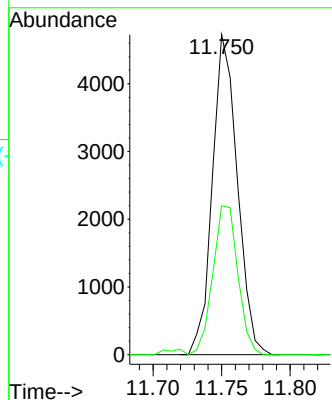
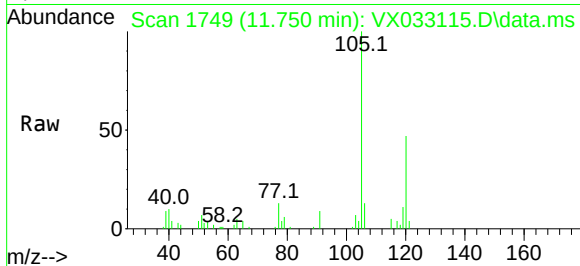




#84
1,2,4-Trimethylbenzene
Concen: 1.155 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Instrument :
MSVOA_X
ClientSampleId :
MW-40

Tgt Ion:105 Resp: 5978
Ion Ratio Lower Upper
105 100
120 46.7 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.229 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033115.D
Acq: 29 Nov 2022 14:10

Tgt Ion:105 Resp: 1417
Ion Ratio Lower Upper
105 100
134 21.3 9.9 29.7

