

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008393.D
 Acq On : 24 Mar 2019 15:42
 Operator : JC/SP
 Sample : K2059-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Mar 25 07:32:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	379179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	324441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	162836	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	5.50	113	119467	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	479166	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	163223	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

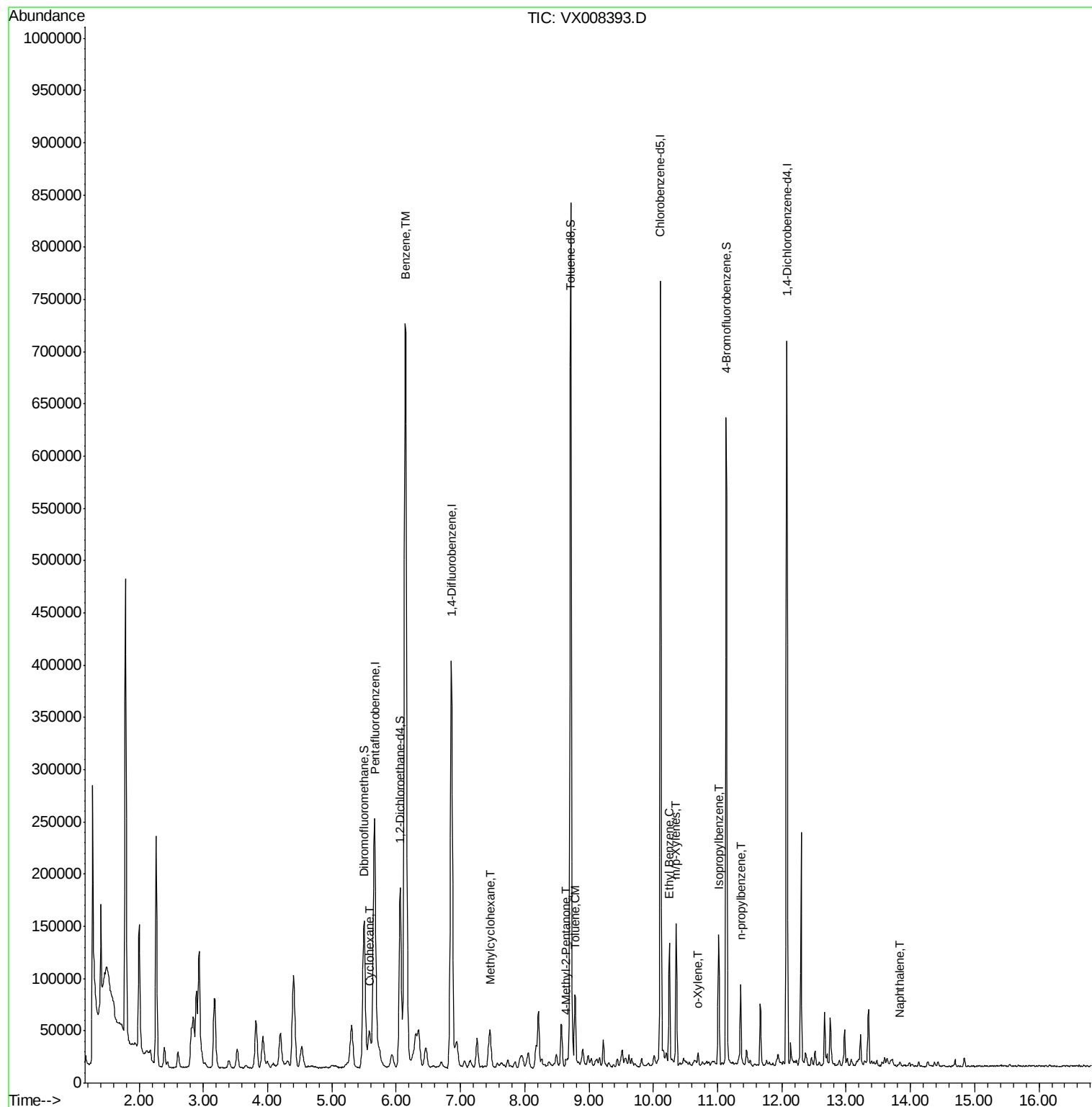
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.59	56	25506	4.817	ug/l #	89
39) Methylcyclohexane	7.46	83	13719	2.889	ug/l #	85
40) Benzene	6.14	78	835969	70.845	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	3899	0.728	ug/l	95
52) Toluene	8.78	92	24532	3.546	ug/l	99
67) Ethyl Benzene	10.25	91	66388	5.211	ug/l	100
68) m/p-Xylenes	10.35	106	30345	6.629	ug/l	94
69) o-Xylene	10.70	106	1729	0.386	ug/l	88
73) Isopropylbenzene	11.02	105	60387	5.592	ug/l	98
78) n-propylbenzene	11.36	91	45269	3.577	ug/l	97
95) Naphthalene	13.83	128	2263	0.206	ug/l #	79

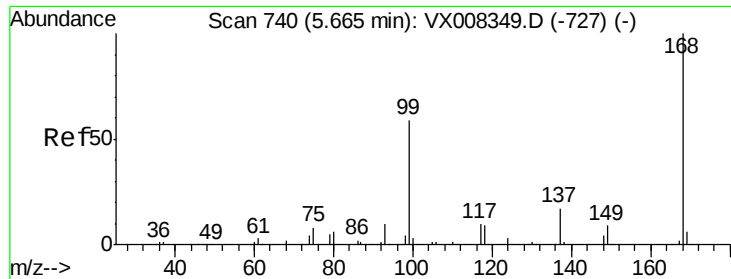
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

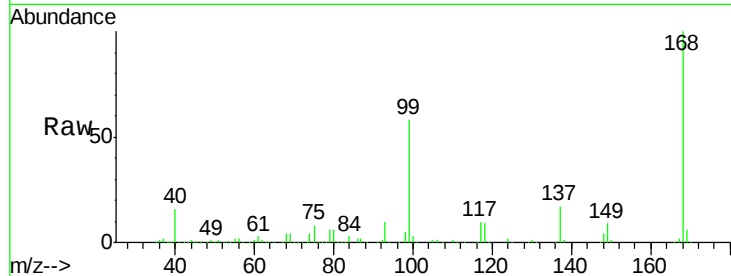
MW-7

Tot Ion:168 Resp: 220772

Ion Ratio Lower Upper

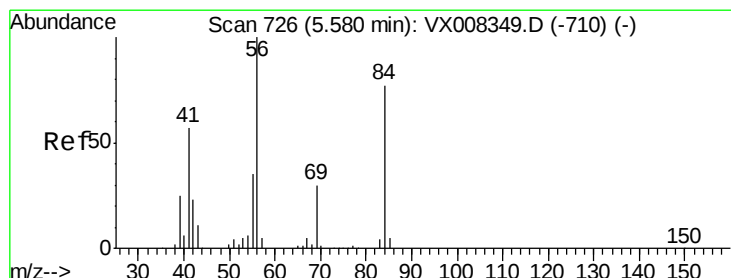
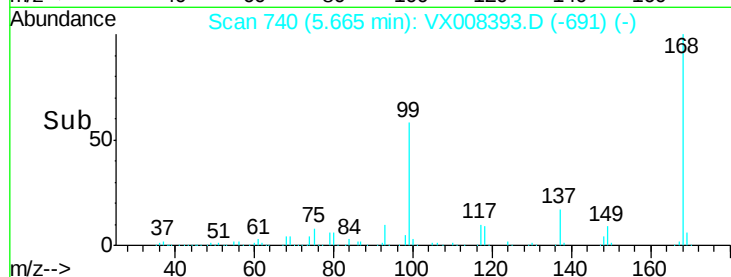
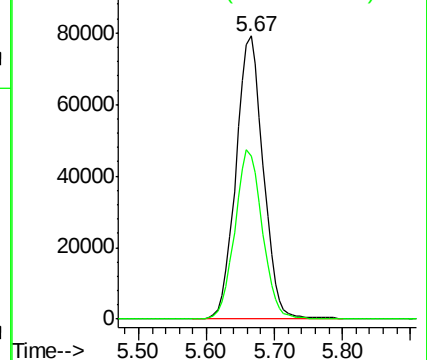
168 100

99 57.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 4.817 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

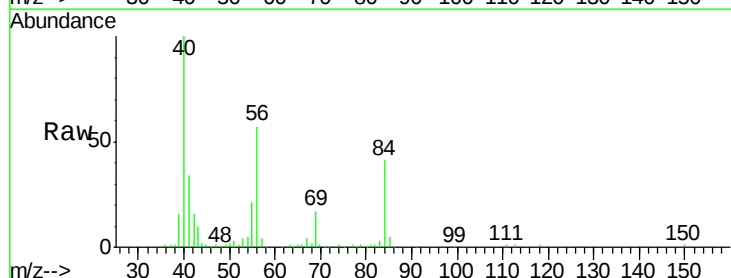
Tgt Ion: 56 Resp: 25506

Ion Ratio Lower Upper

56 100

69 23.3 24.0 36.0#

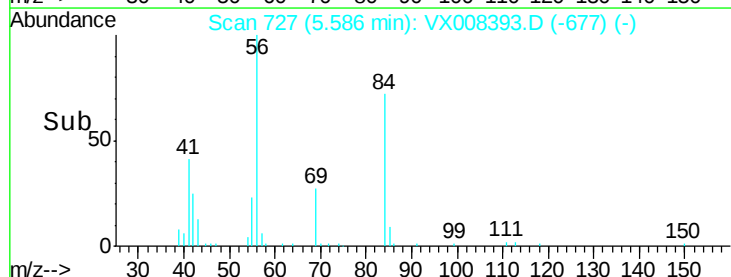
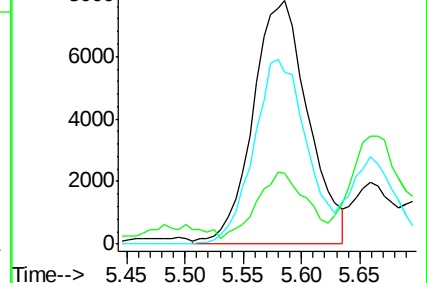
84 71.9 65.3 97.9

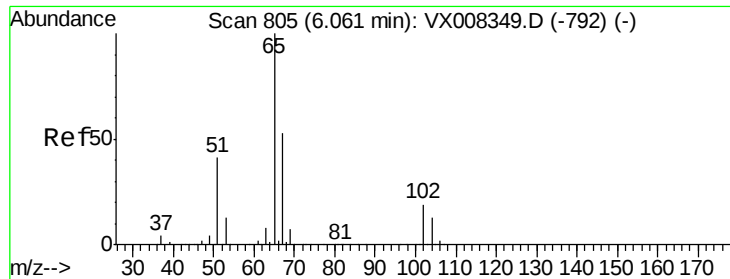


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.359 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

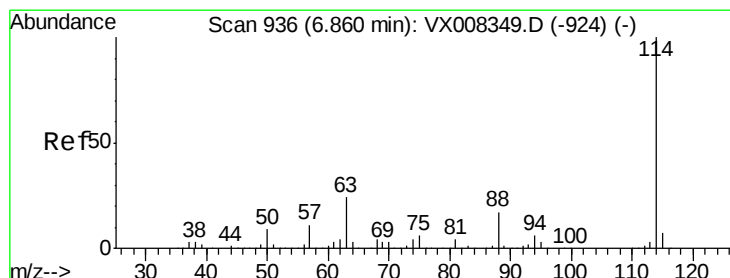
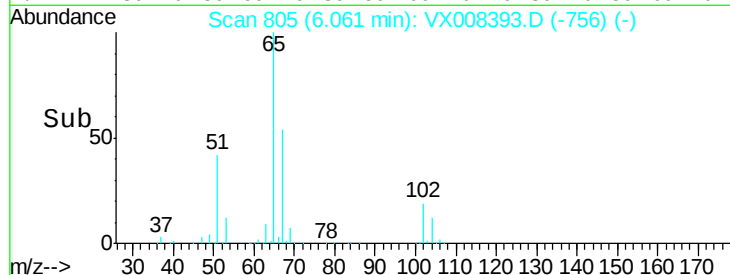
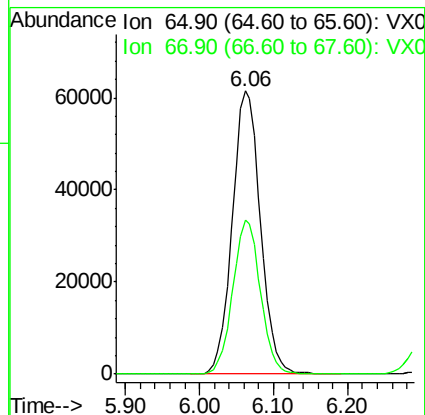
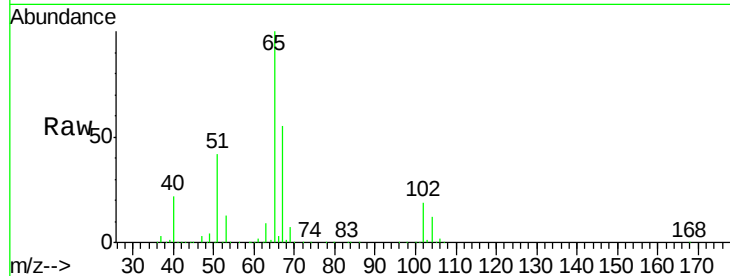
MW-7

Tot Ion: 65 Resp: 162836

Ion Ratio Lower Upper

65 100

67 53.5 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

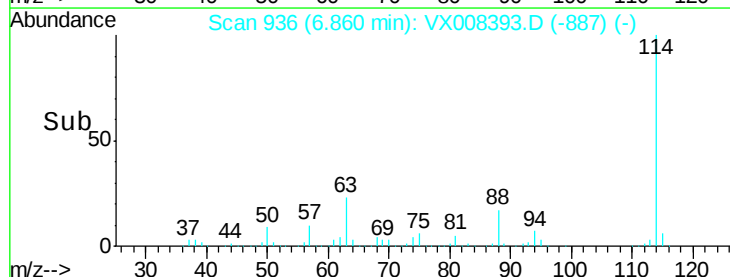
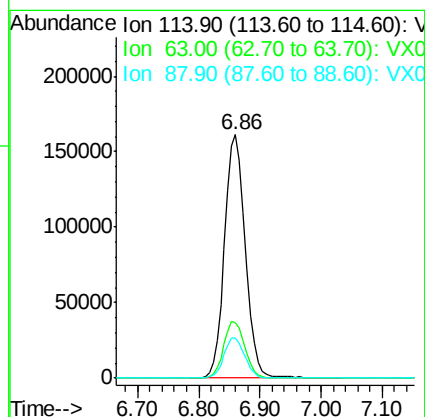
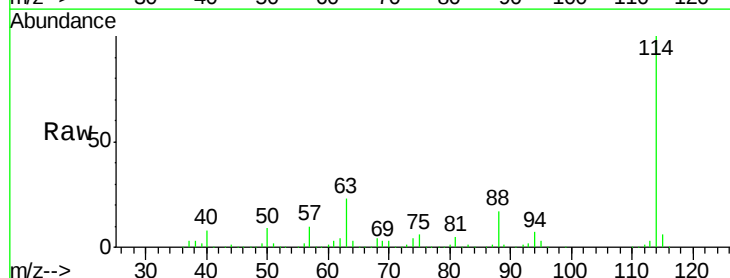
Tgt Ion: 114 Resp: 379179

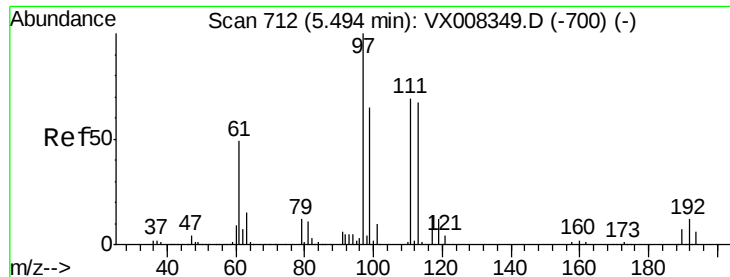
Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

88 16.5 0.0 31.4

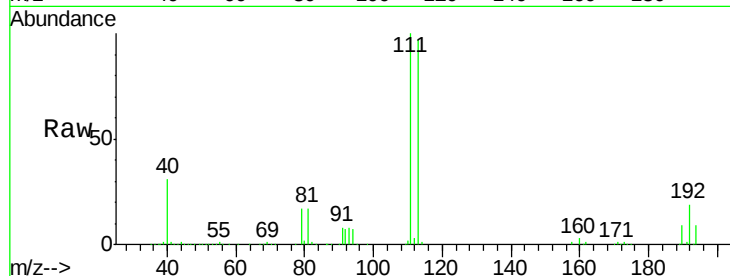




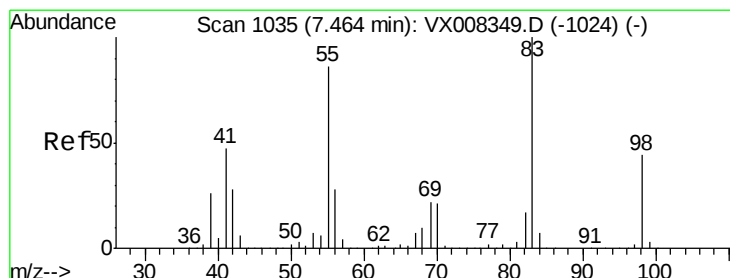
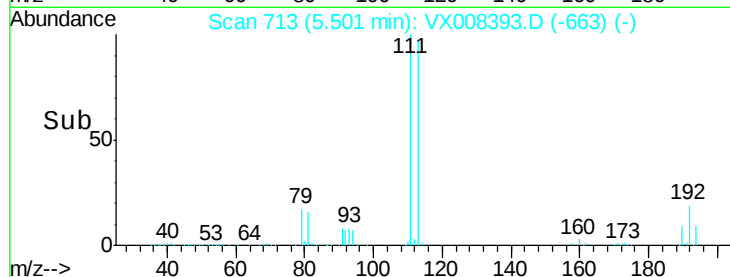
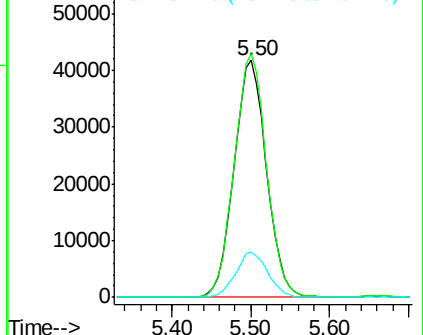
#35
 Dibromofluoromethane
 Concen: 48.629 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008393.D
 Acq: 24 Mar 2019 15:42

Instrument :
 MSVOA_X
 ClientSampled :
 MW-7

Tot Ion:113 Resp: 119467
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 19.1 19.4 29.0#

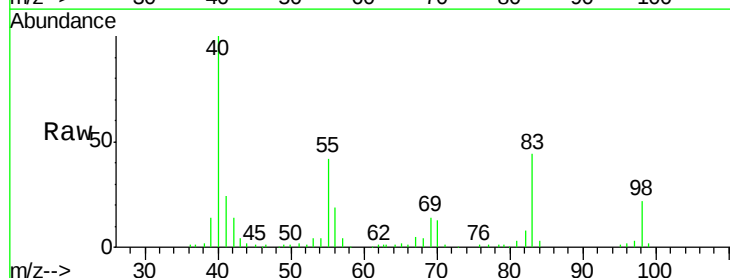


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

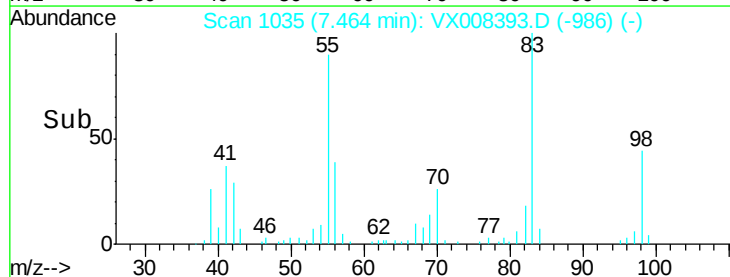
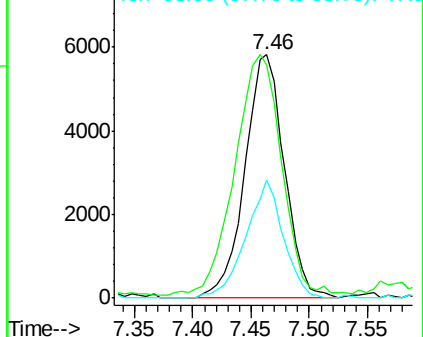


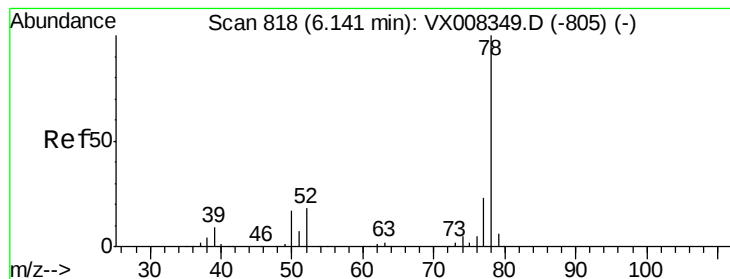
#39
 Methylcyclohexane
 Concen: 2.889 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008393.D
 Acq: 24 Mar 2019 15:42

Tgt Ion: 83 Resp: 13719
 Ion Ratio Lower Upper
 83 100
 55 93.5 60.4 90.6#
 98 48.6 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 70.845 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

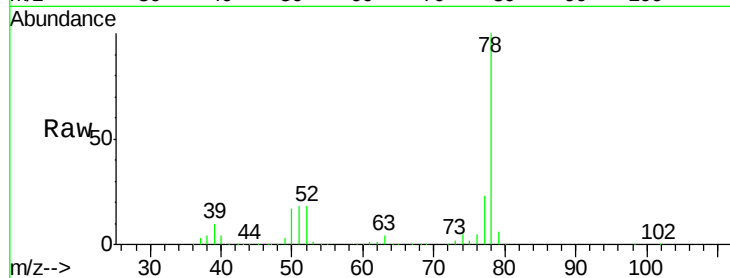
MW-7

Tot Ion: 78 Resp: 835969

Ion Ratio Lower Upper

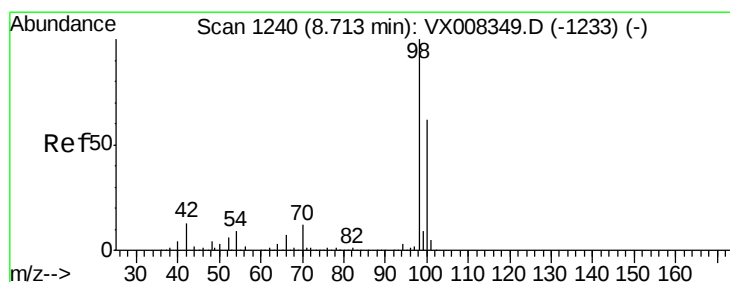
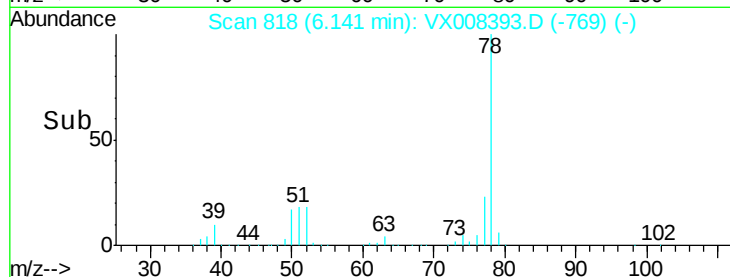
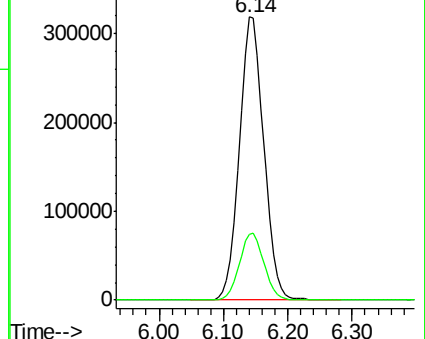
78 100

77 23.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.313 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008393.D

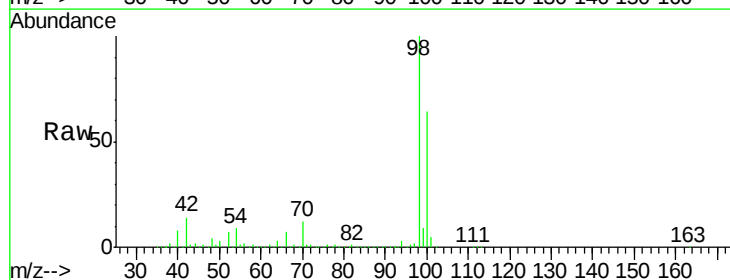
Acq: 24 Mar 2019 15:42

Tgt Ion: 98 Resp: 479166

Ion Ratio Lower Upper

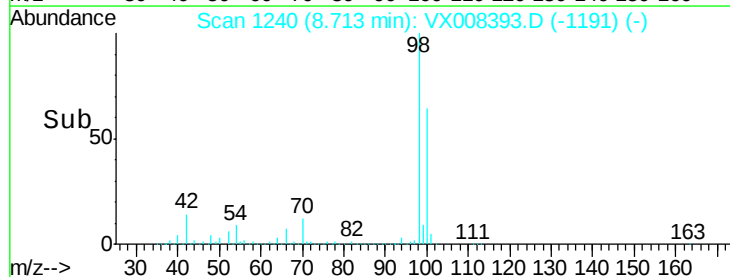
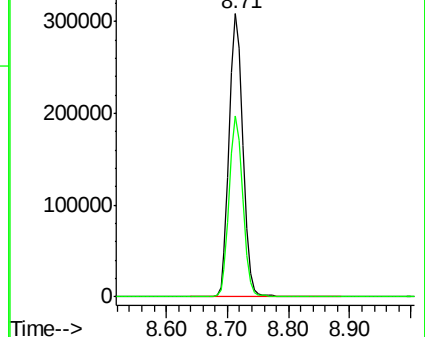
98 100

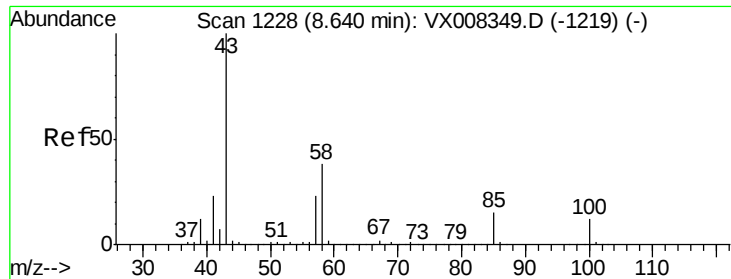
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.728 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

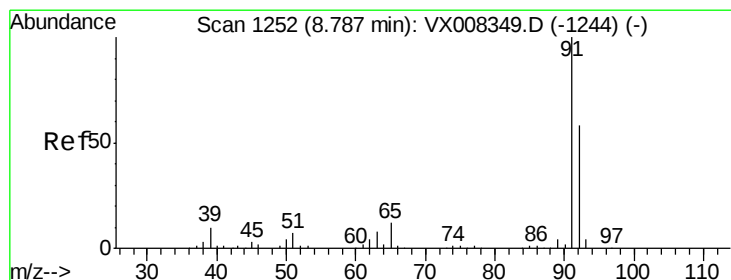
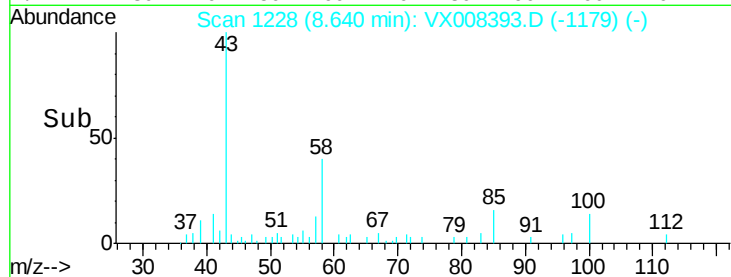
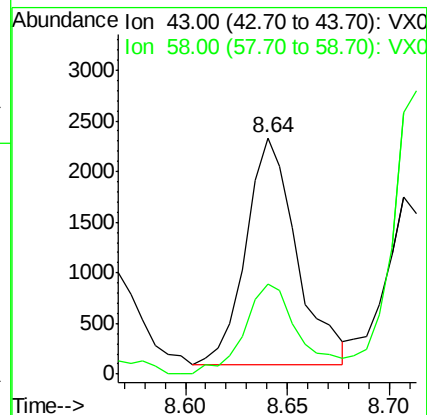
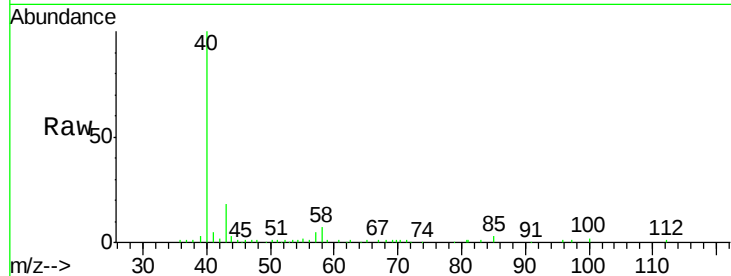
MW-7

Tot Ion: 43 Resp: 3899

Ion Ratio Lower Upper

43 100

58 42.3 31.3 46.9



#52

Toluene

Concen: 3.546 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008393.D

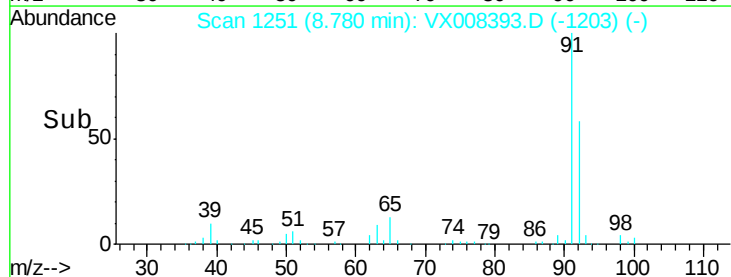
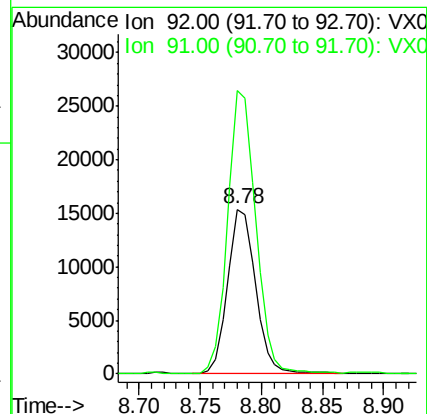
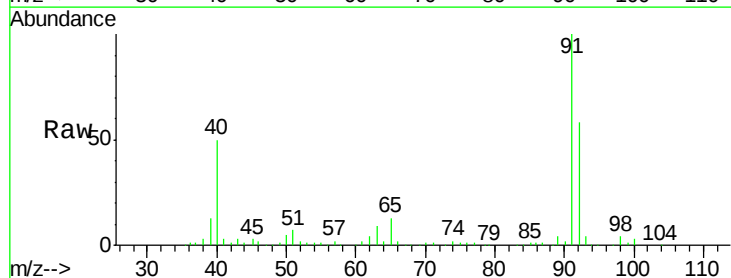
Acq: 24 Mar 2019 15:42

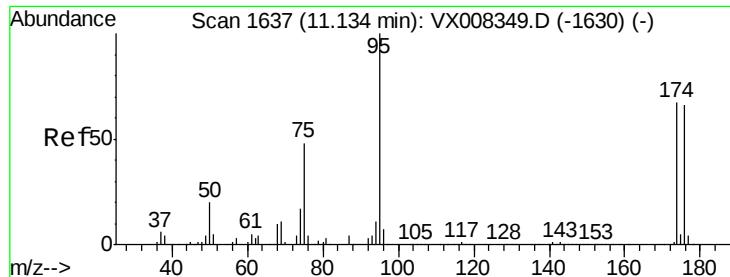
Tgt Ion: 92 Resp: 24532

Ion Ratio Lower Upper

92 100

91 170.9 137.4 206.0

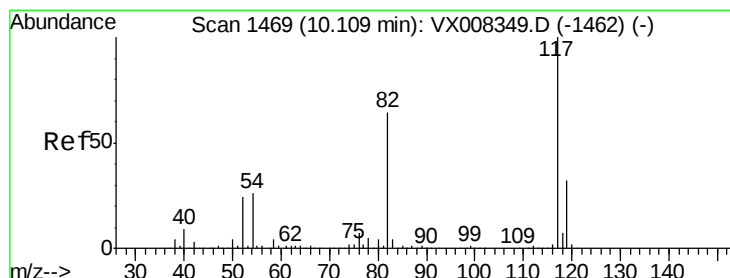
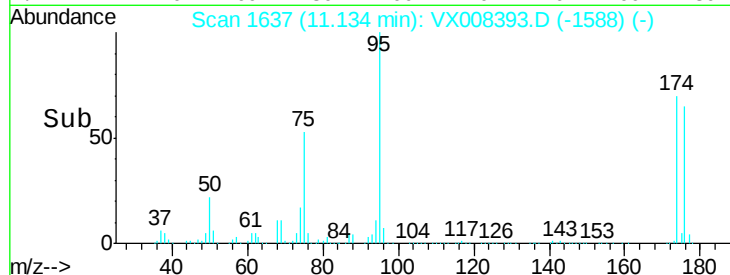
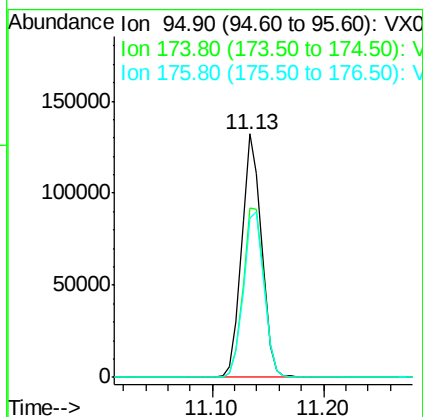
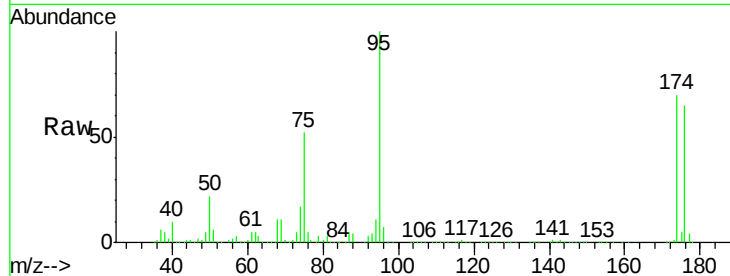




#62
4-Bromofluorobenzene
Concen: 45.751 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008393.D
Acq: 24 Mar 2019 15:42

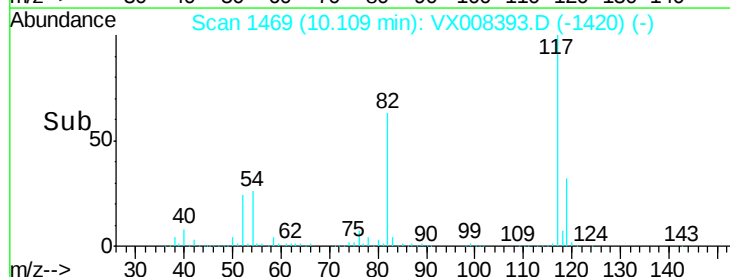
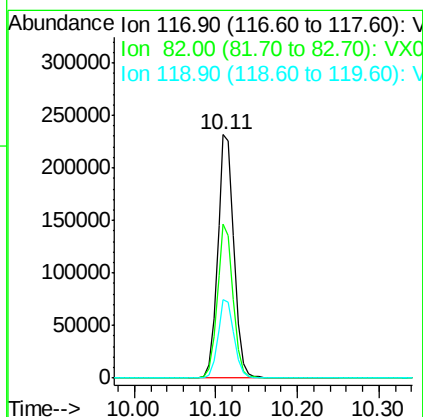
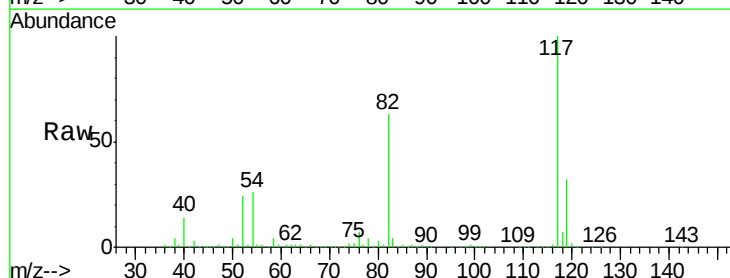
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MW-7

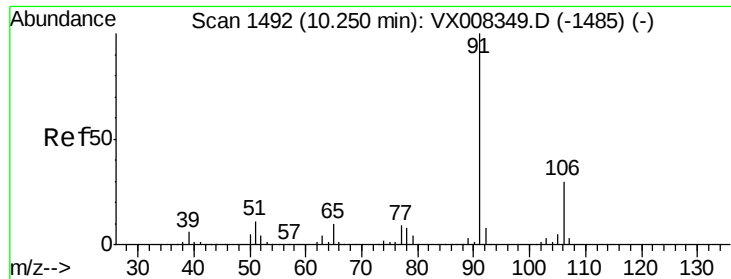
Tot Ion: 95 Resp: 163223
Ion Ratio Lower Upper
95 100
174 73.8 0.0 182.8
176 70.2 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008393.D
Acq: 24 Mar 2019 15:42

Tgt Ion: 117 Resp: 324441
Ion Ratio Lower Upper
117 100
82 63.2 44.3 66.5
119 32.1 25.3 37.9

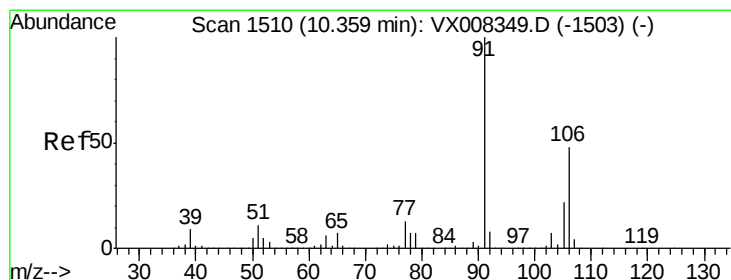
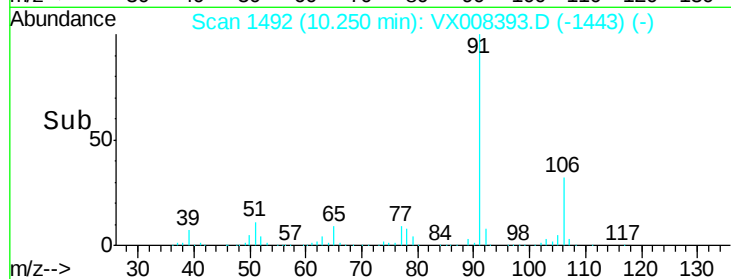
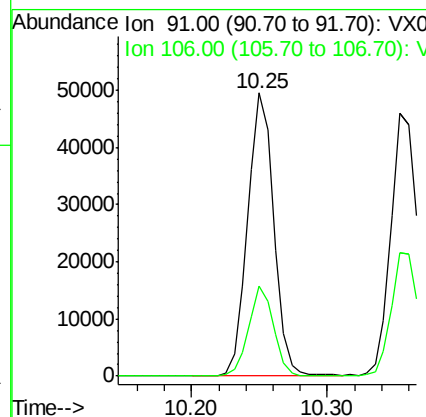
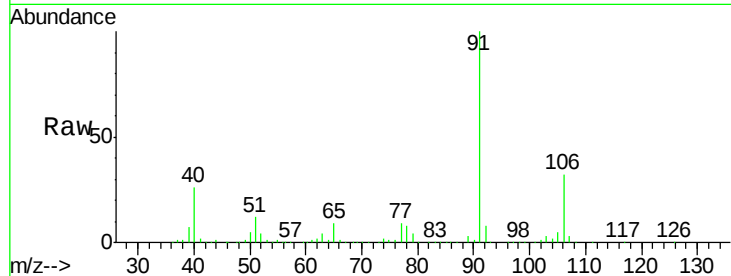




#67
Ethyl Benzene
Concen: 5.211 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008393.D
Acq: 24 Mar 2019 15:42

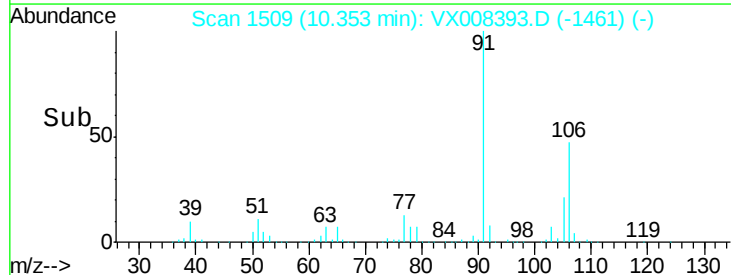
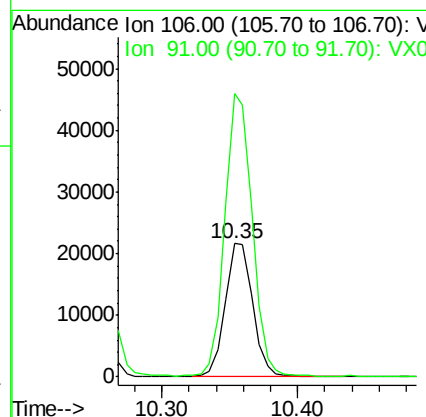
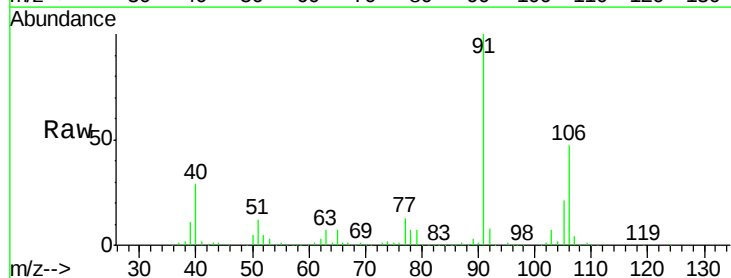
Instrument :
MSVOA_X
ClientSampled :
MW-7

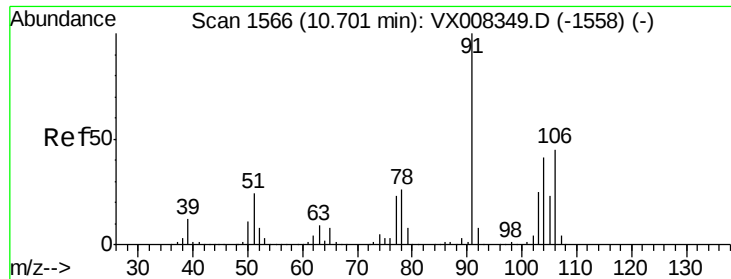
Tot Ion: 91 Resp: 66388
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8



#68
m/p-Xylenes
Concen: 6.629 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008393.D
Acq: 24 Mar 2019 15:42

Tgt Ion: 106 Resp: 30345
Ion Ratio Lower Upper
106 100
91 209.4 159.8 239.6

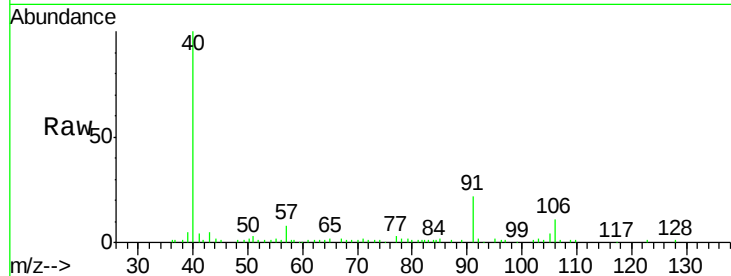




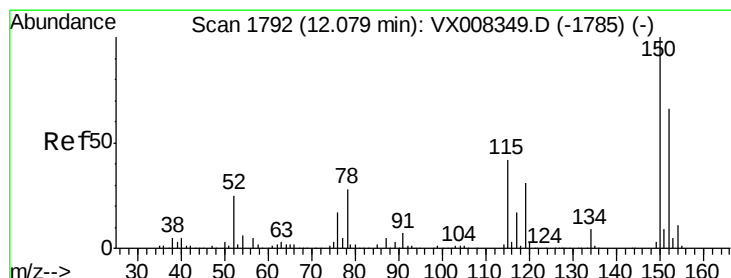
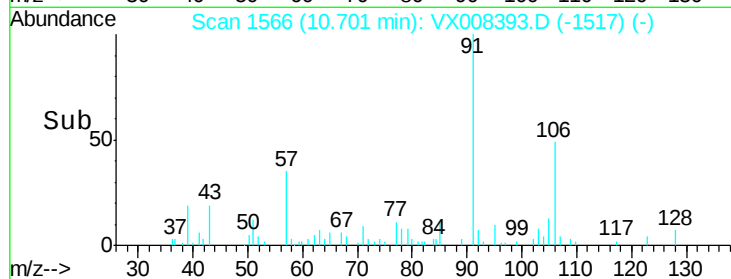
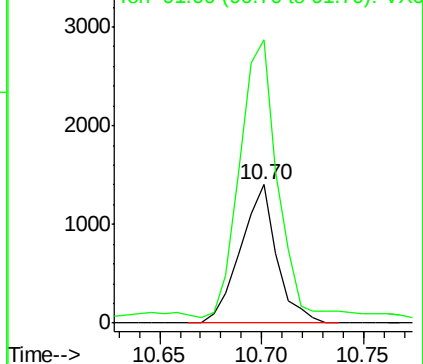
#69
o-Xylene
Concen: 0.386 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008393.D
Acq: 24 Mar 2019 15:42

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion:106 Resp: 1729
Ion Ratio Lower Upper
106 100
91 232.0 106.3 318.9

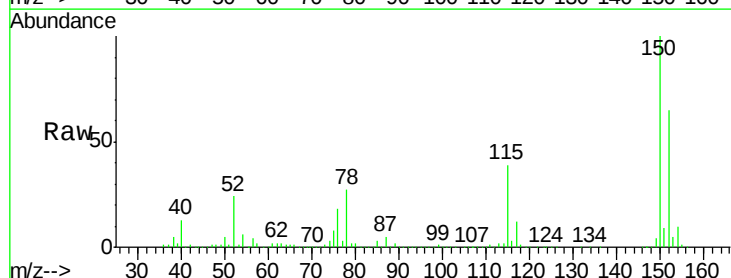


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

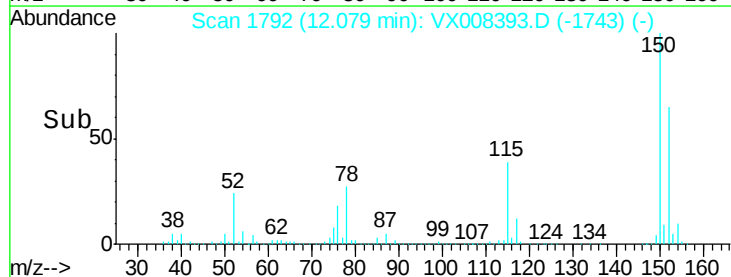
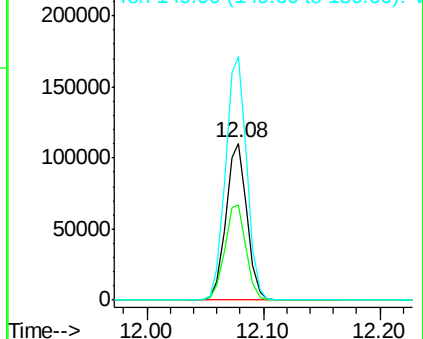


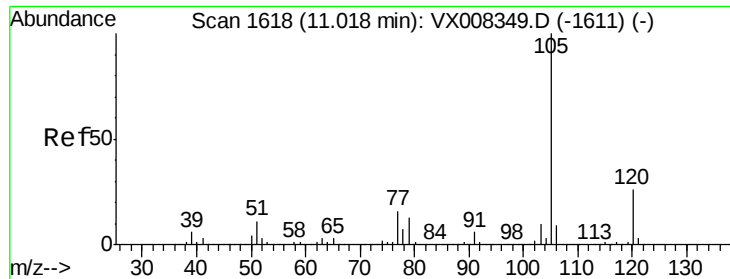
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008393.D
Acq: 24 Mar 2019 15:42

Tgt Ion:152 Resp: 136842
Ion Ratio Lower Upper
152 100
115 61.6 38.6 115.7
150 157.4 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.592 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

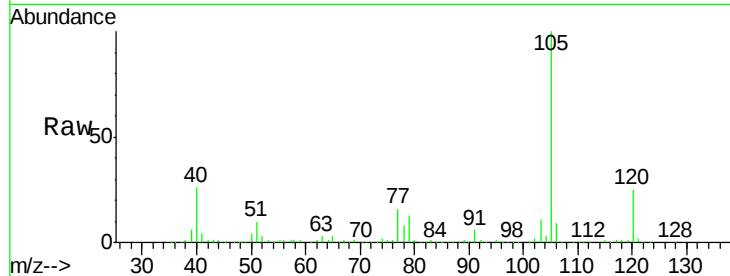
MW-7

Tot Ion:105 Resp: 60387

Ion Ratio Lower Upper

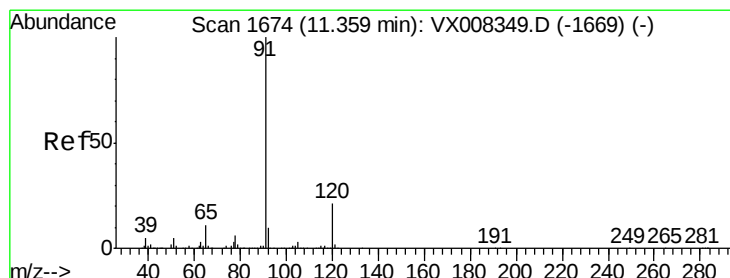
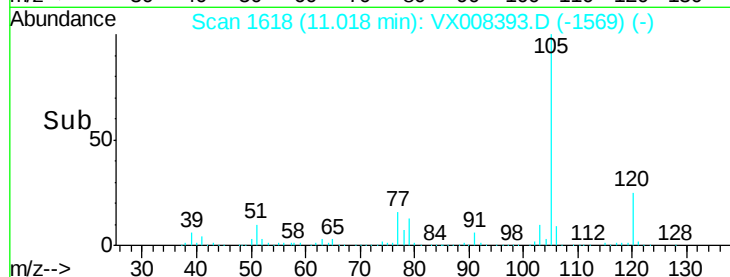
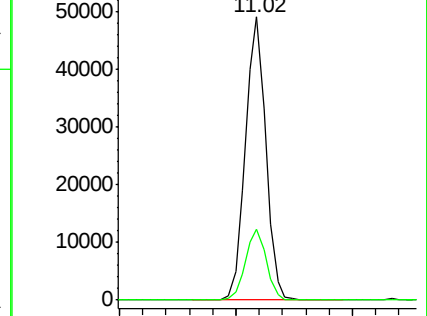
105 100

120 25.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.577 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008393.D

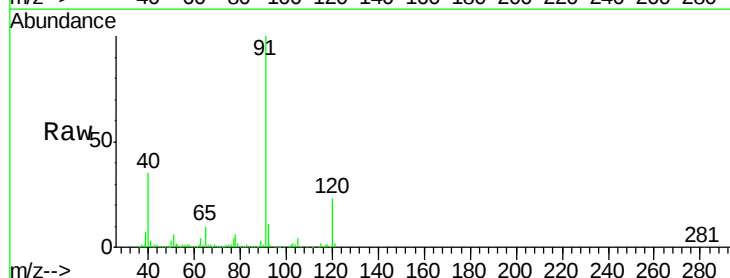
Acq: 24 Mar 2019 15:42

Tgt Ion: 91 Resp: 45269

Ion Ratio Lower Upper

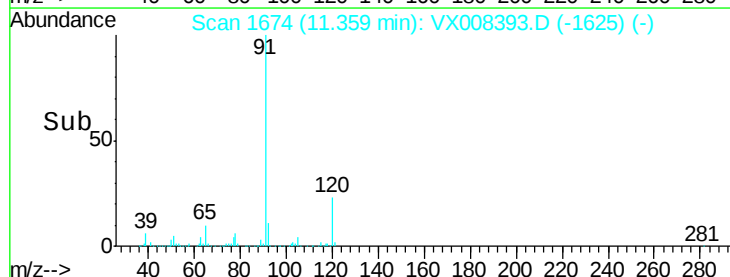
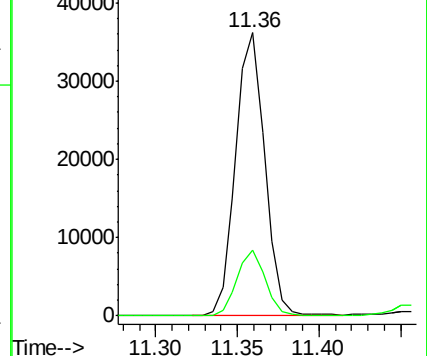
91 100

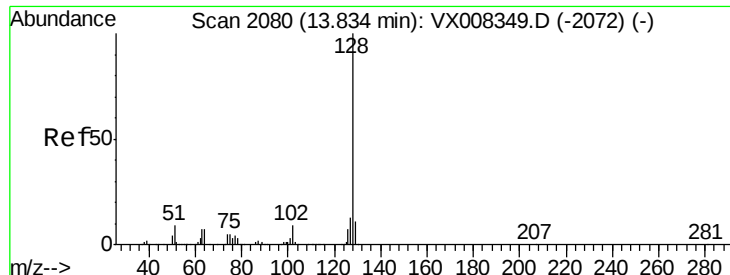
120 22.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 0.206 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008393.D

Acq: 24 Mar 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

MW-7

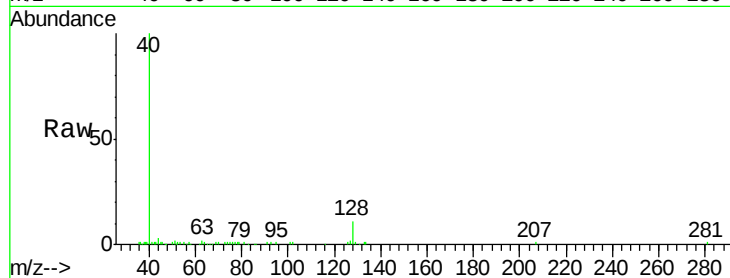
Tot Ion:128 Resp: 2263

Ion Ratio Lower Upper

128 100

127 15.9 10.3 15.5#

129 24.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

