

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010068.D
 Acq On : 05 Jun 2019 11:47
 Operator : JC/SP
 Sample : K3178-03
 Misc : 1.00/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40061

Quant Time: Jun 05 12:46:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160059	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	254893	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108861	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	103191	45.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.28%	
35) Dibromofluoromethane	5.51	113	74507	46.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.98%	
50) Toluene-d8	8.71	98	318654	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.14	95	110493	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	

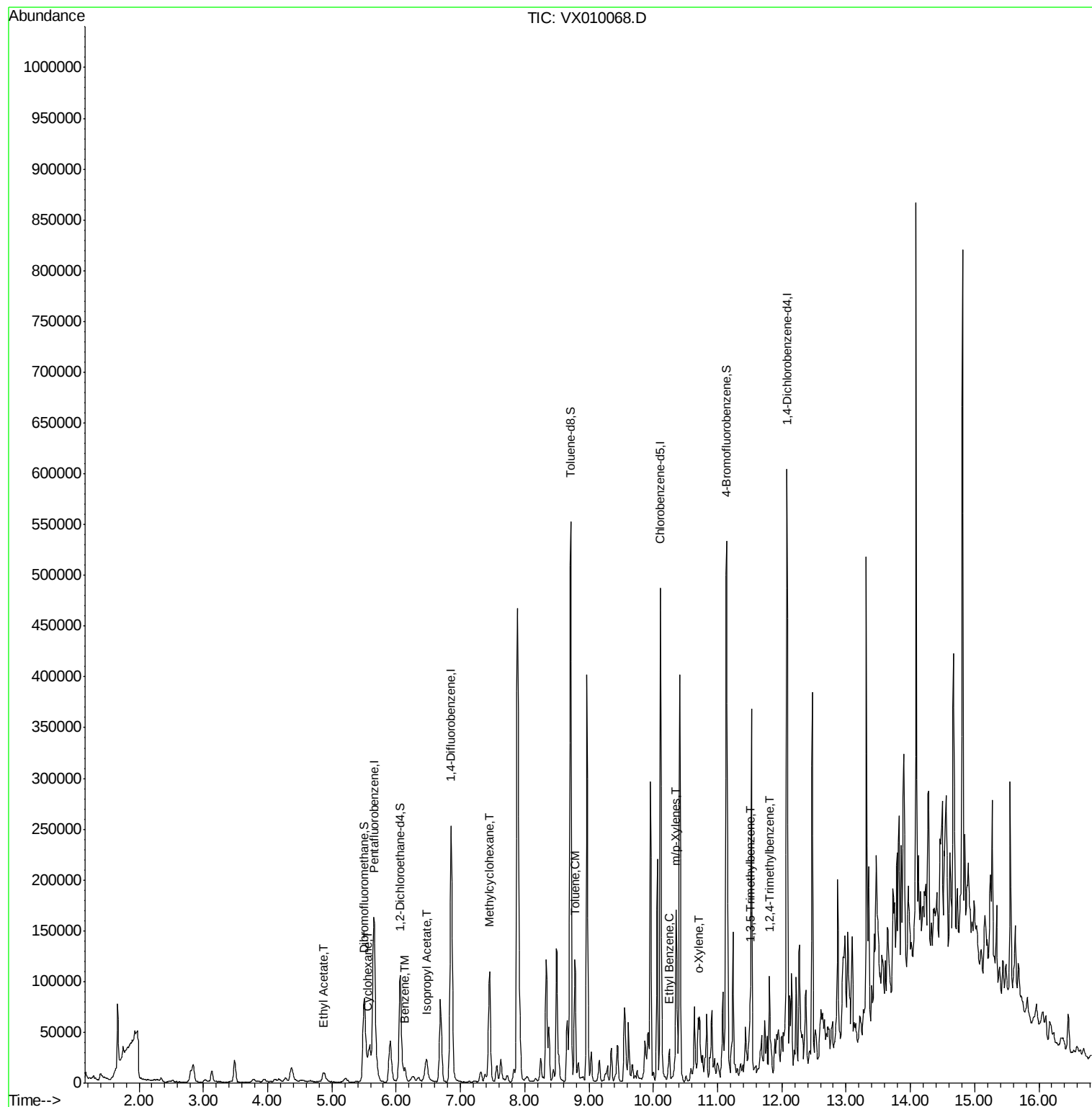
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.56	56	16470	4.787	ug/l #	84
37) Ethyl Acetate	4.87	43	20909	5.802	ug/l #	92
39) Methylcyclohexane	7.45	83	44849	14.620	ug/l	96
40) Benzene	6.14	78	14574	1.900	ug/l	94
43) Isopropyl Acetate	6.47	43	33802	5.813	ug/l	100
52) Toluene	8.78	92	43544	9.348	ug/l	99
67) Ethyl Benzene	10.25	91	12583	1.486	ug/l	96
68) m/p-Xylenes	10.35	106	37063	11.850	ug/l	97
69) o-Xylene	10.70	106	9765	3.255	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	23167	3.424	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	34189	4.975	ug/l	99

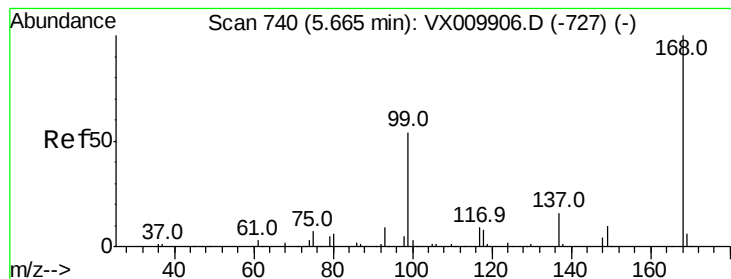
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 28 13:02:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

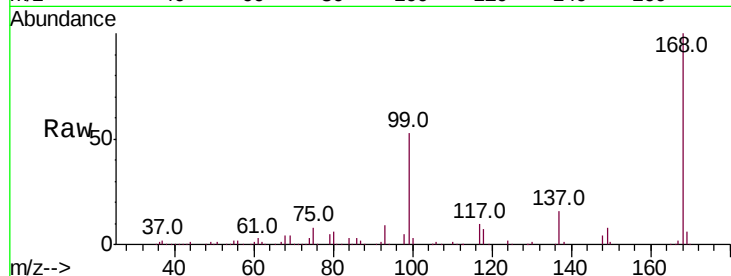
40061

Tot Ion:168 Resp: 160059

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

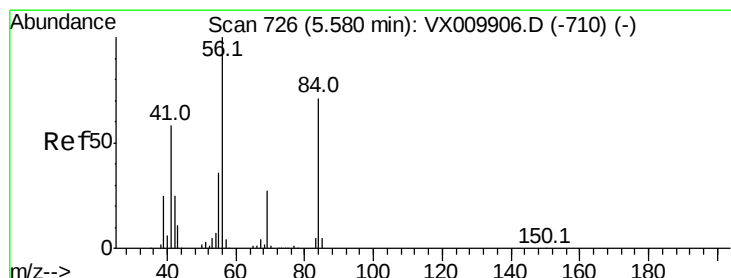
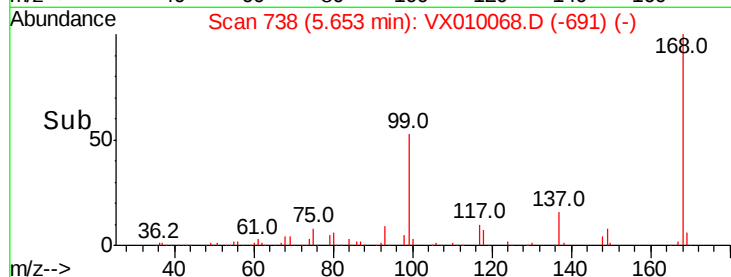
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 4.787 ug/l

RT: 5.56 min Scan# 722

Delta R.T. -0.02 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

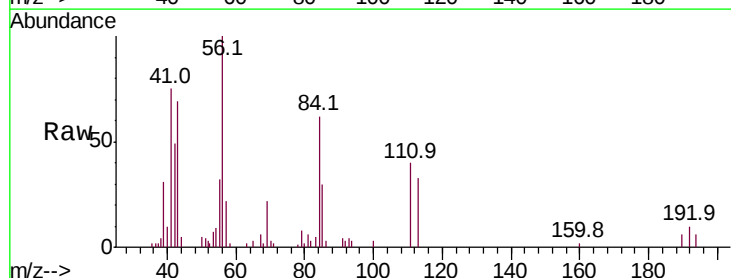
Tgt Ion: 56 Resp: 16470

Ion Ratio Lower Upper

56 100

69 22.4 23.4 35.0#

84 61.9 61.9 92.9#



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

5.56

4000

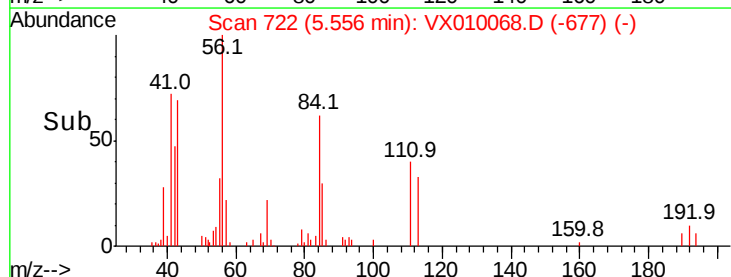
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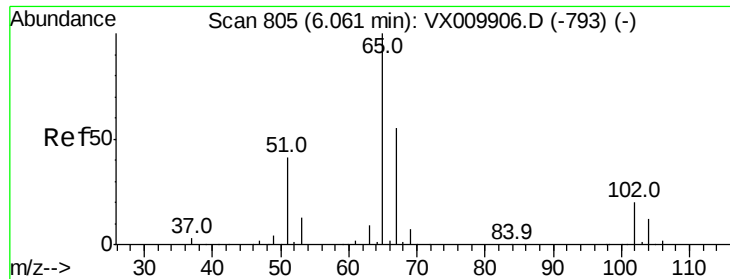
2000

1000

0

Time--> 5.40 5.50 5.60

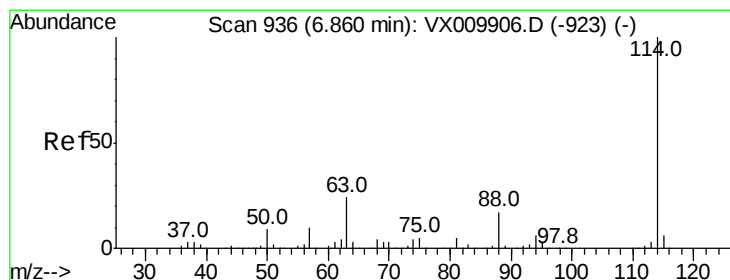
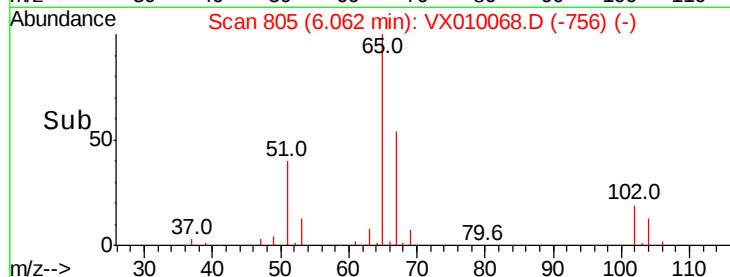
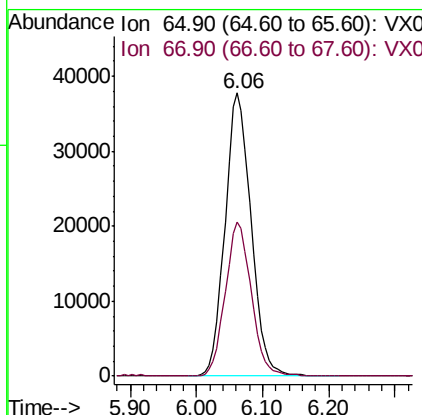
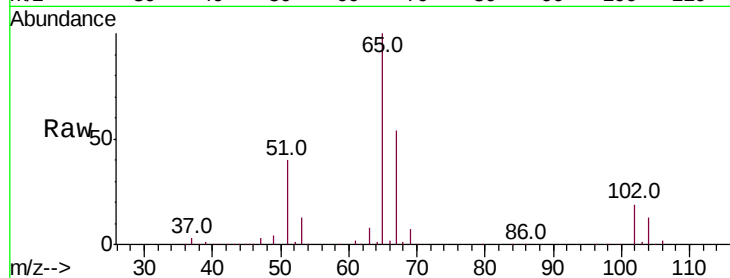




#33
 1,2-Dichloroethane-d4
 Concen: 45.640 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010068.D
 Acq: 05 Jun 2019 11:47

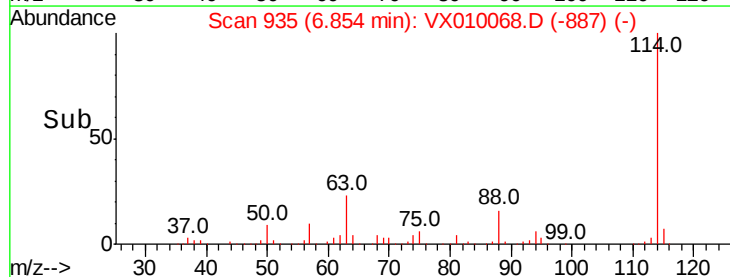
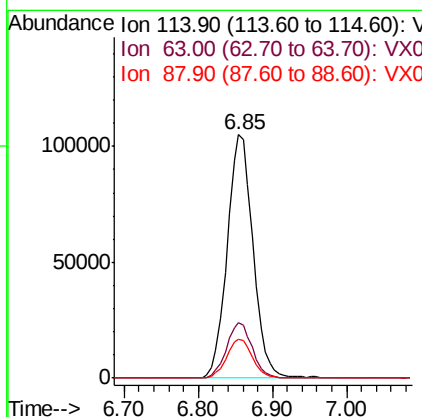
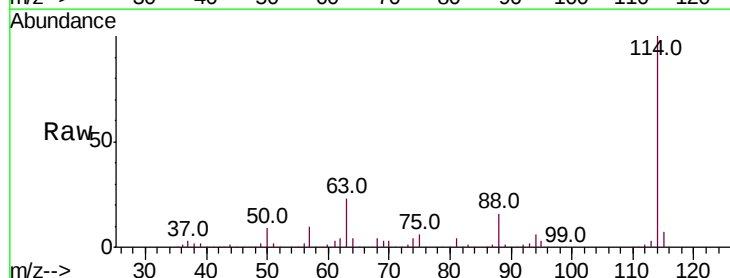
Instrument :
 MSVOA_X
 ClientSampleId :
 40061

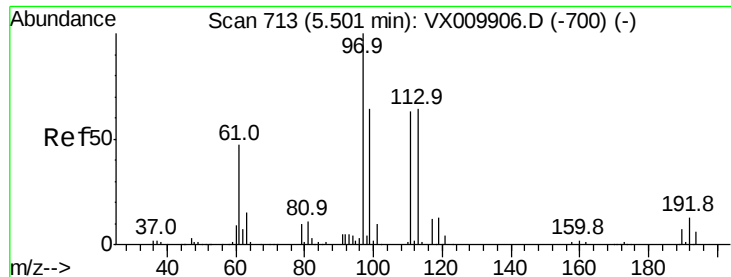
Tot Ion: 65 Resp: 103191
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010068.D
 Acq: 05 Jun 2019 11:47

Tgt Ion: 114 Resp: 254893
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.494 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

40061

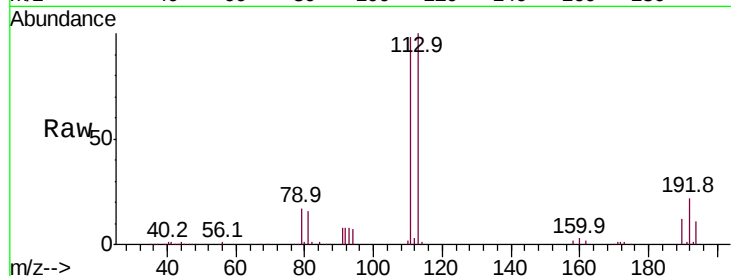
Tot Ion:113 Resp: 74507

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

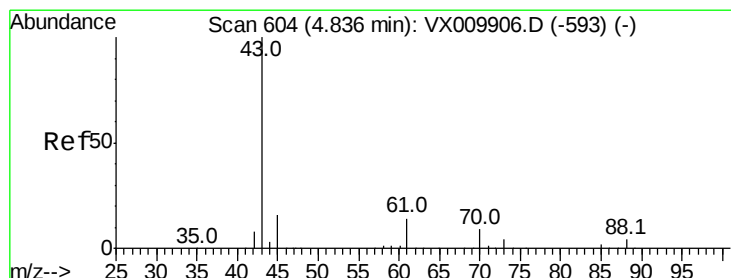
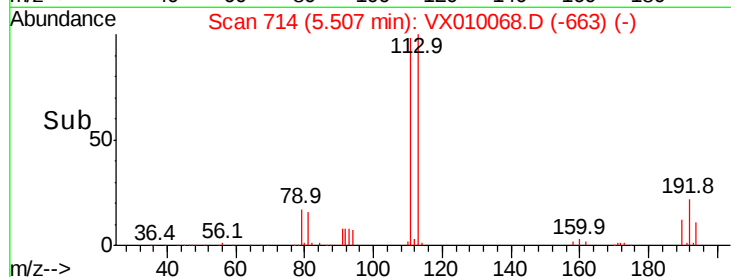
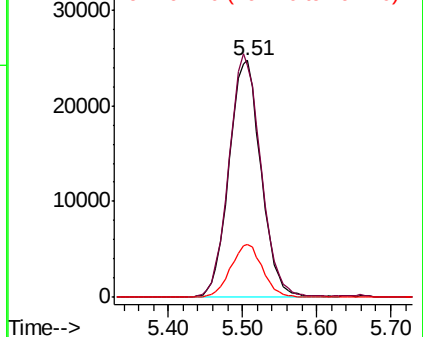
192 22.3 17.0 25.6



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



#37

Ethyl Acetate

Concen: 5.802 ug/l

RT: 4.87 min Scan# 610

Delta R.T. 0.04 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

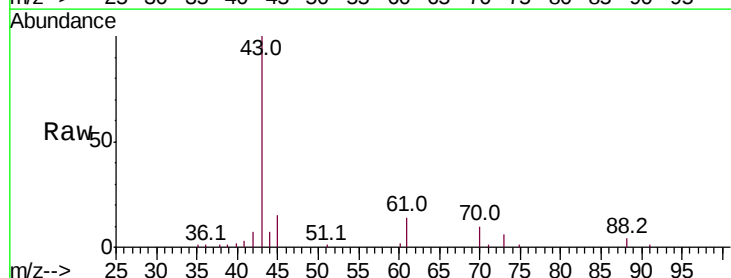
Tgt Ion: 43 Resp: 20909

Ion Ratio Lower Upper

43 100

61 13.9 10.5 15.7

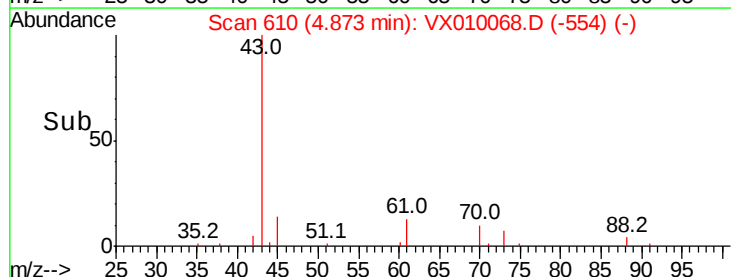
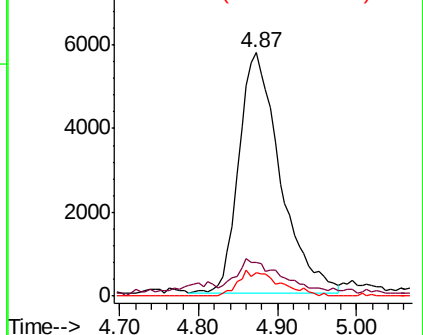
70 3.8 7.9 11.9#

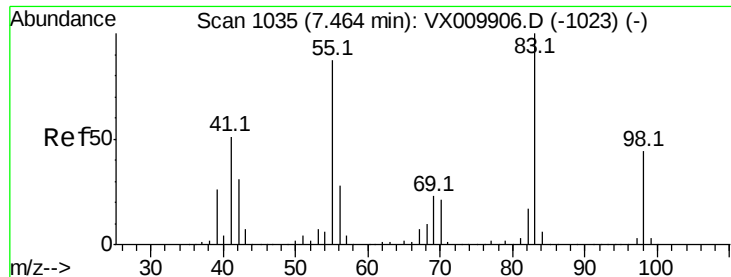


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

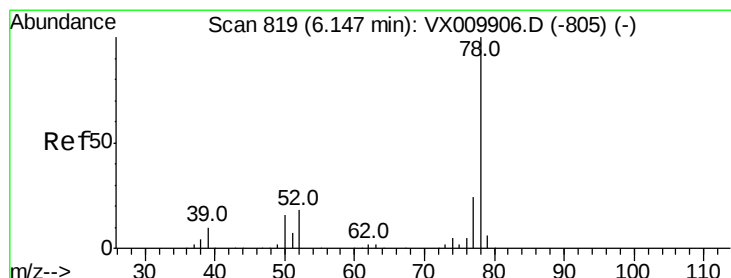
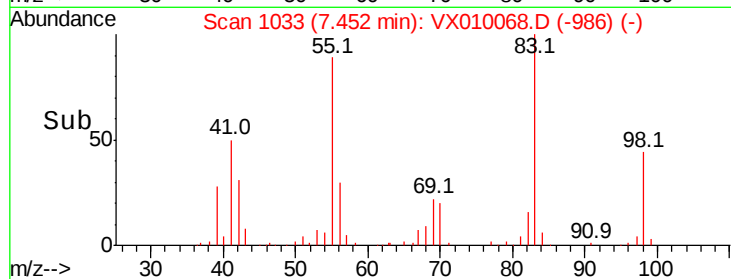
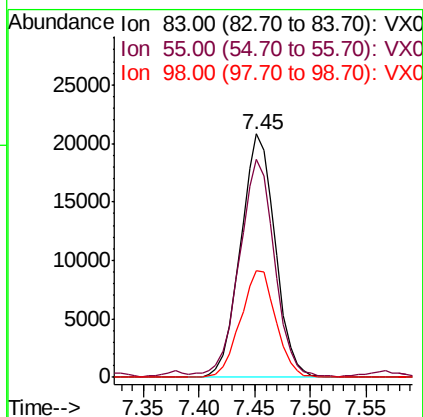
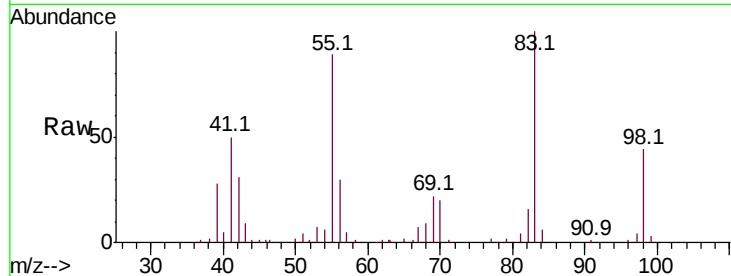




#39
Methvlcvclohexane
Concen: 14.620 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX010068.D
Acq: 05 Jun 2019 11:47

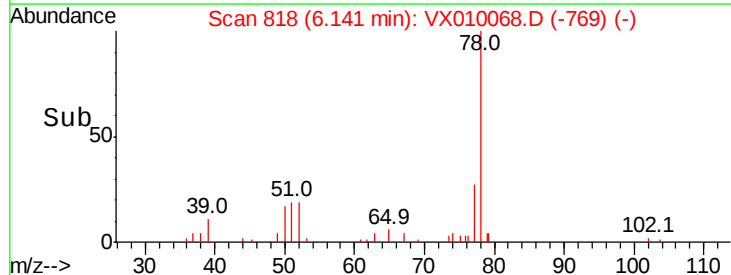
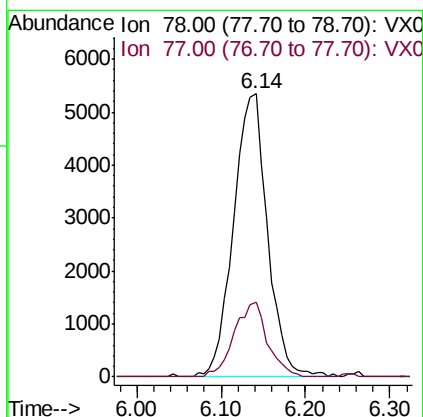
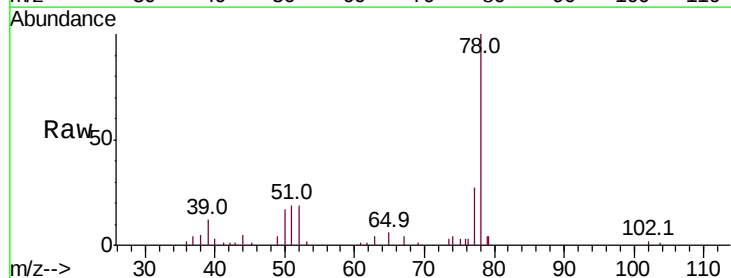
Instrument :
MSVOA_X
ClientSampleId :
40061

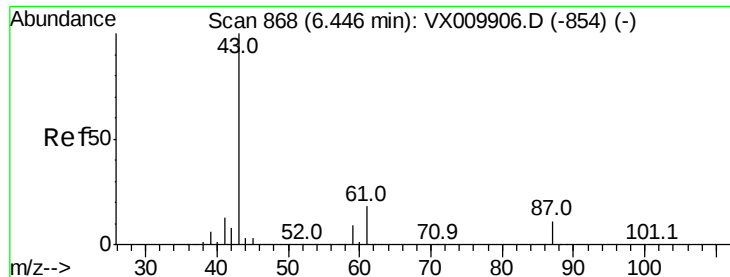
Tot Ion: 83 Resp: 44849
Ion Ratio Lower Upper
83 100
55 89.0 67.7 101.5
98 43.7 35.5 53.3



#40
Benzene
Concen: 1.900 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010068.D
Acq: 05 Jun 2019 11:47

Tgt Ion: 78 Resp: 14574
Ion Ratio Lower Upper
78 100
77 26.5 18.8 28.2





#43

Isopropyl Acetate

Concen: 5.813 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

Instrument :

MSVOA_X

ClientSampled :

40061

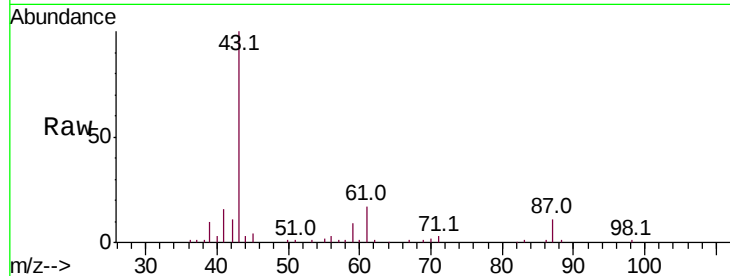
Tot Ion: 43 Resp: 33802

Ion Ratio Lower Upper

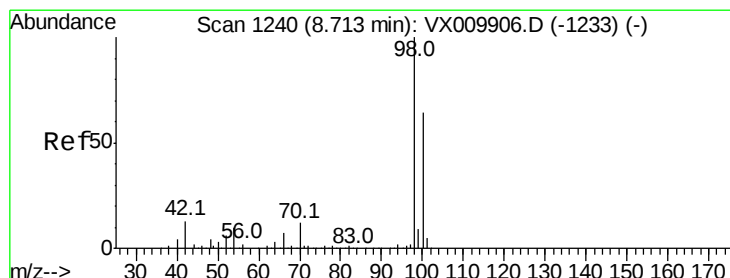
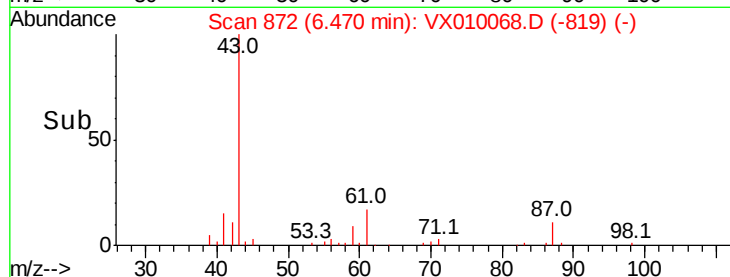
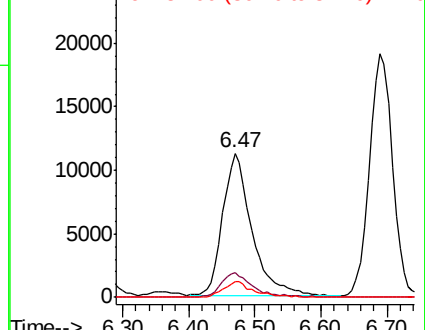
43 100

61 18.8 15.1 22.7

87 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.967 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010068.D

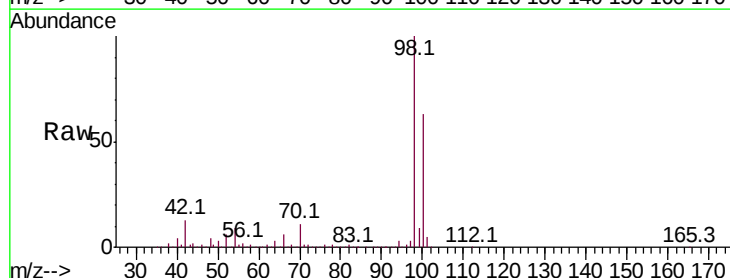
Acq: 05 Jun 2019 11:47

Tgt Ion: 98 Resp: 318654

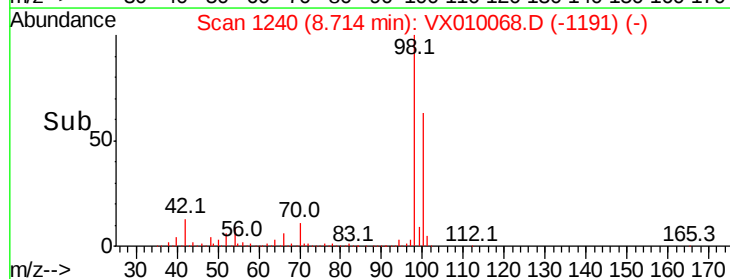
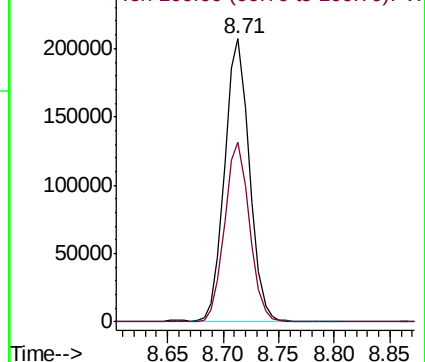
Ion Ratio Lower Upper

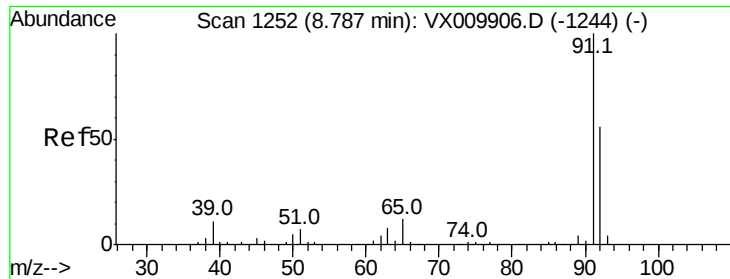
98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 9.348 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

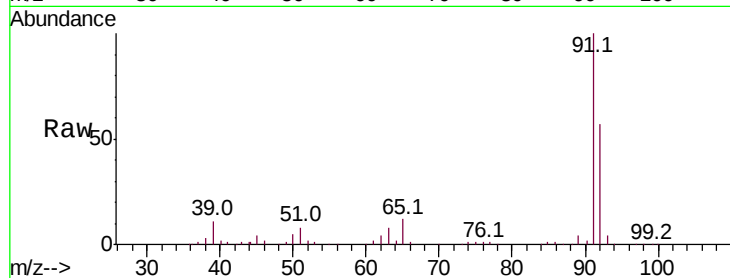
40061

Tot Ion: 92 Resp: 43544

Ion Ratio Lower Upper

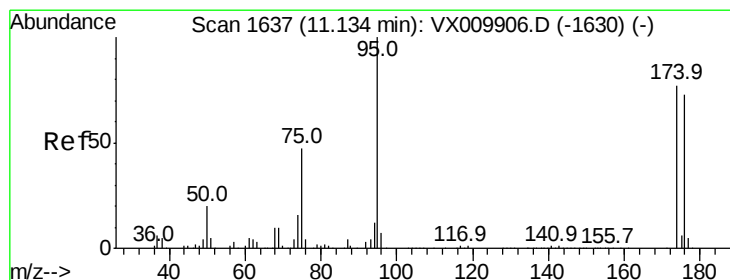
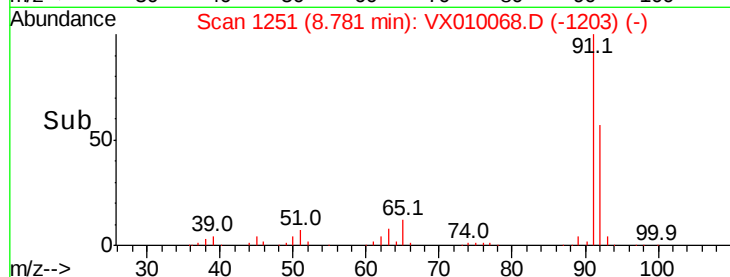
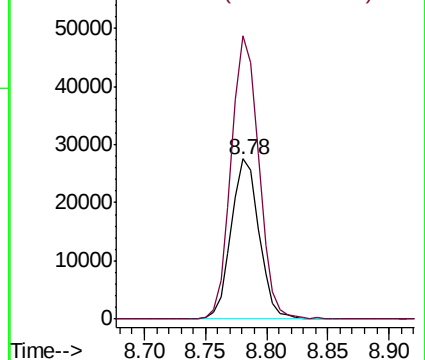
92 100

91 175.1 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.272 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

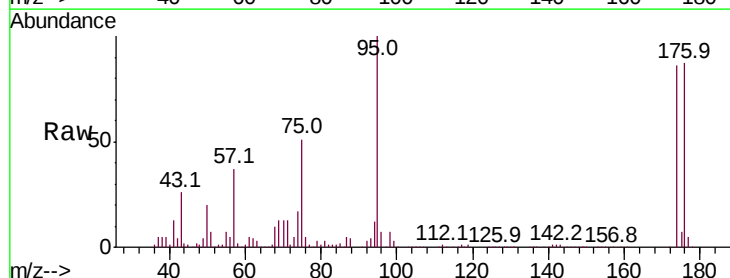
Tgt Ion: 95 Resp: 110493

Ion Ratio Lower Upper

95 100

174 83.9 0.0 161.6

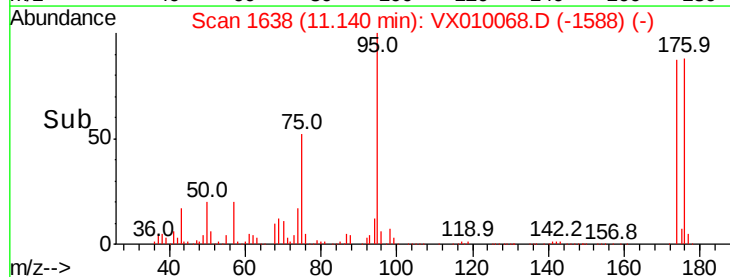
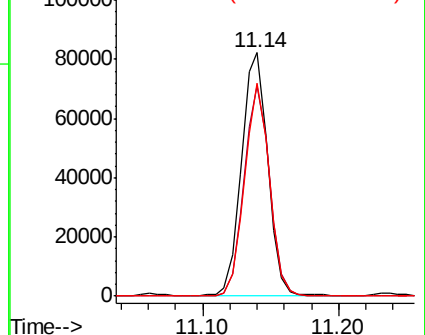
176 82.8 0.0 159.2

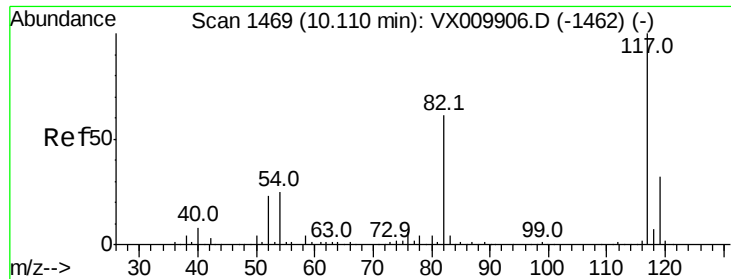


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

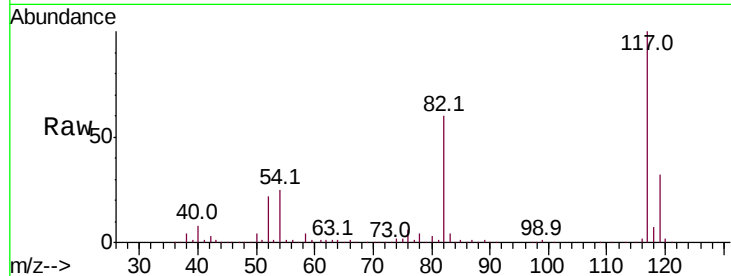




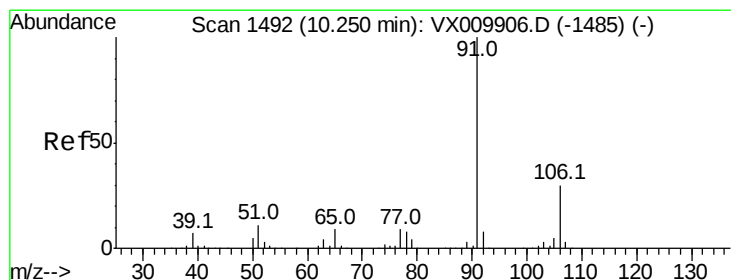
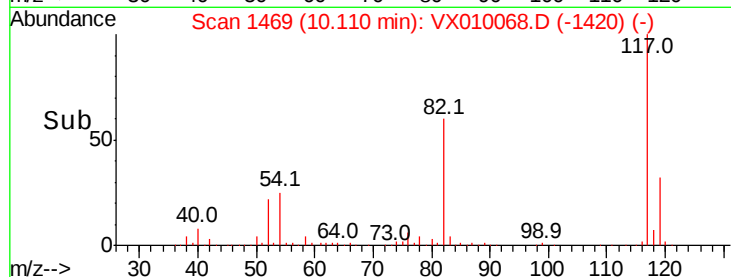
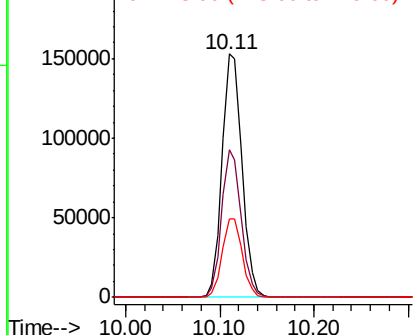
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010068.D
Acq: 05 Jun 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
40061

Tot Ion:117 Resp: 225224
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 32.2 25.8 38.6

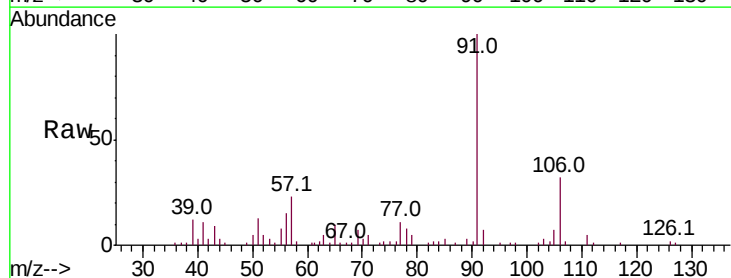


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

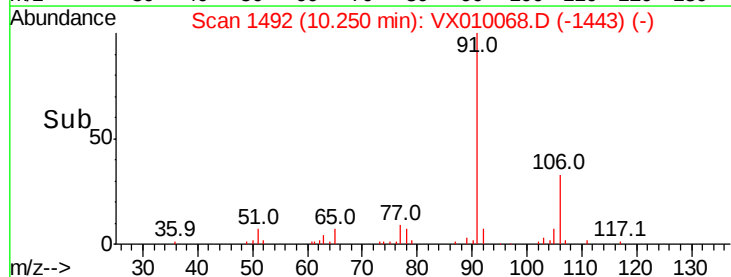
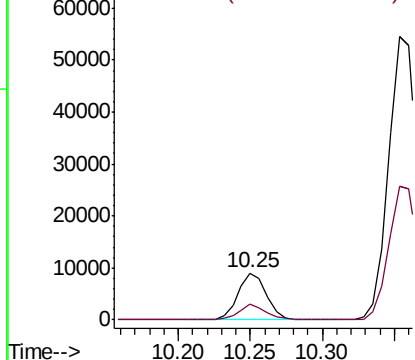


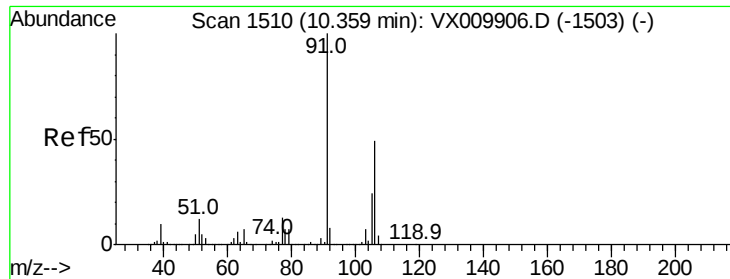
#67
Ethyl Benzene
Concen: 1.486 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010068.D
Acq: 05 Jun 2019 11:47

Tgt Ion: 91 Resp: 12583
Ion Ratio Lower Upper
91 100
106 32.3 24.0 36.0



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





#68

m/p-Xylenes

Concen: 11.850 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010068.D

Acq: 05 Jun 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

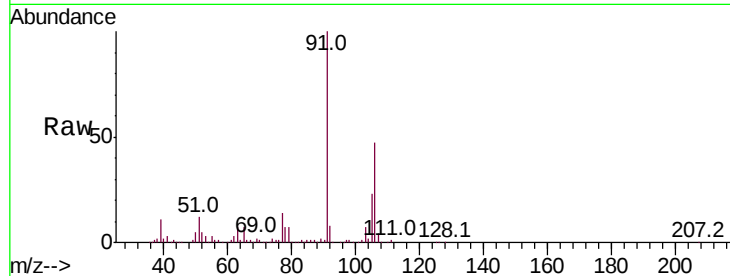
40061

Tot Ion:106 Resp: 37063

Ion Ratio Lower Upper

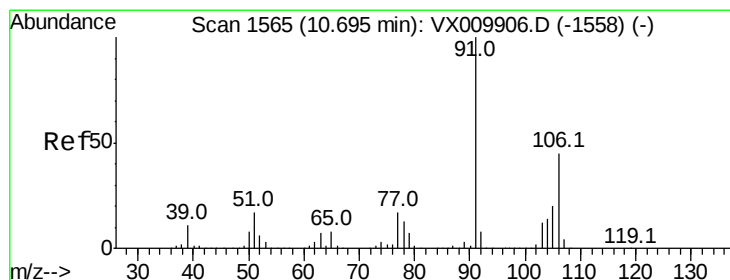
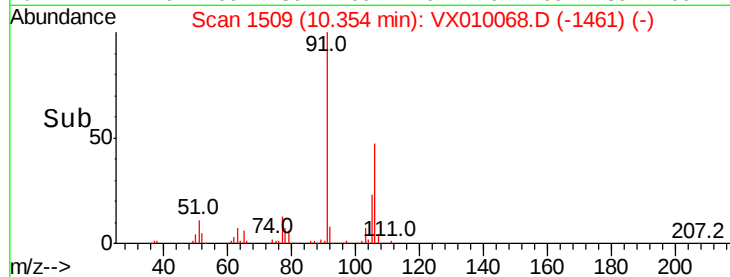
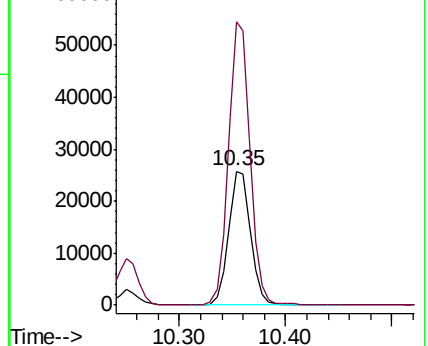
106 100

91 209.0 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 3.255 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX010068.D

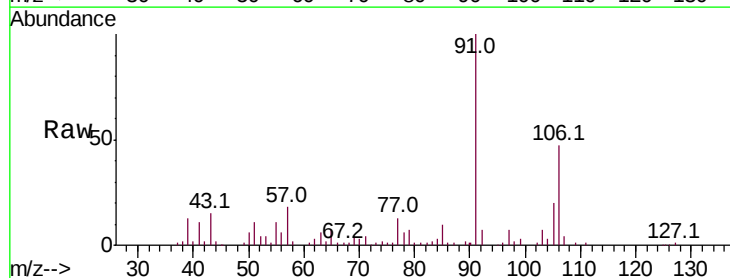
Acq: 05 Jun 2019 11:47

Tgt Ion:106 Resp: 9765

Ion Ratio Lower Upper

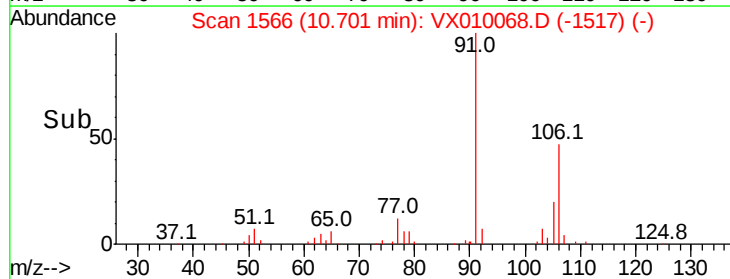
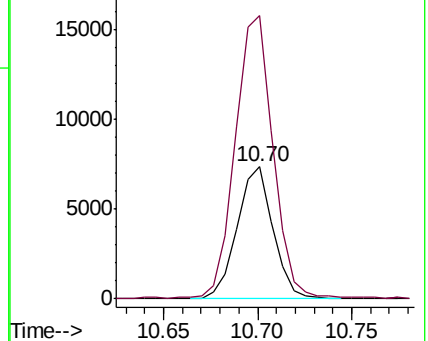
106 100

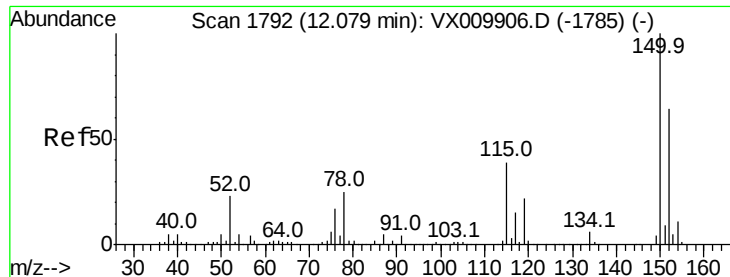
91 226.9 109.5 328.4



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: VX010068.D

Acq: 05 Jun 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

40061

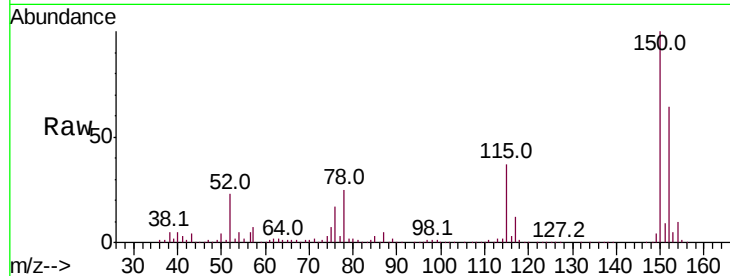
Tot Ion:152 Resp: 108861

Ion Ratio Lower Upper

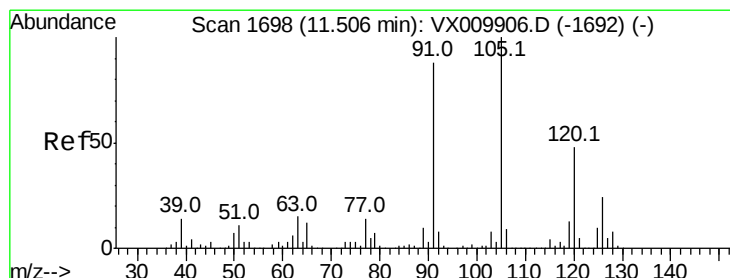
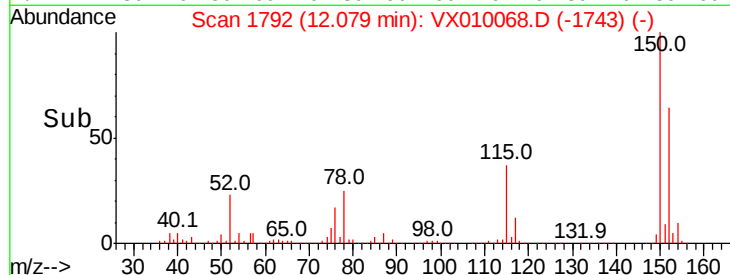
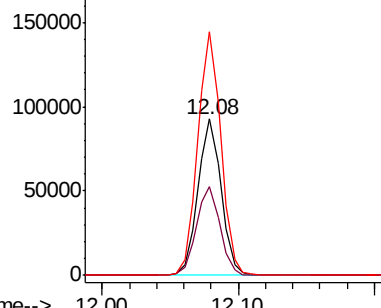
152 100

115 57.9 41.2 123.6

150 156.7 0.0 346.4



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



#80

1,3,5-Trimethylbenzene

Concen: 3.424 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010068.D

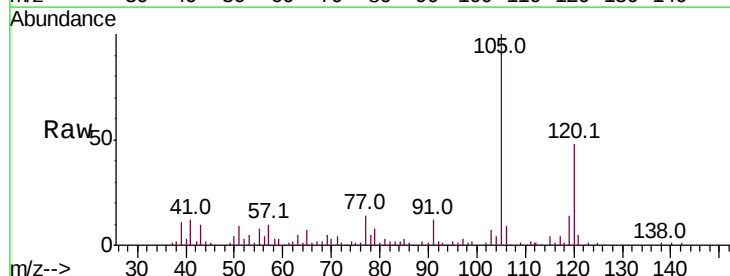
Acq: 05 Jun 2019 11:47

Tgt Ion:105 Resp: 23167

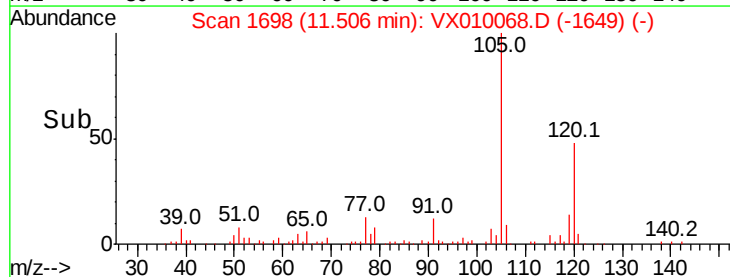
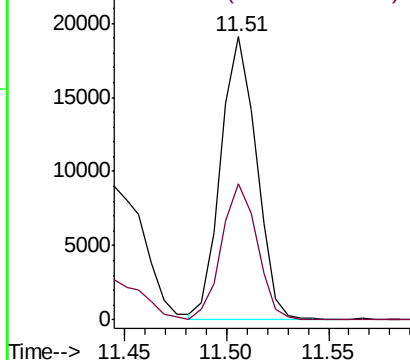
Ion Ratio Lower Upper

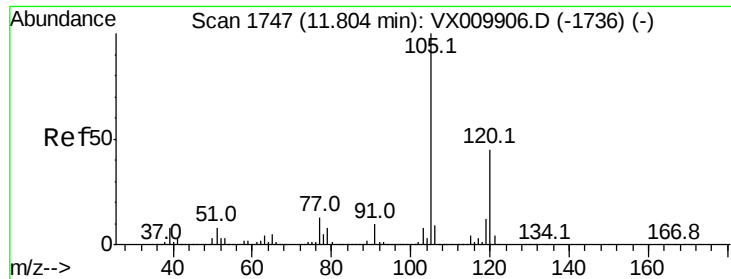
105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#84
 1,2,4-Trimethylbenzene
 Concen: 4.975 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010068.D
 Acq: 05 Jun 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 40061

Tot Ion:105 Resp: 34189
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.0 66.0

