

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003609.D
 Acq On : 23 Jul 2018 17:23
 Operator : JC/SP
 Sample : J4048-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-2

Quant Time: Jul 24 08:06:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	355338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187391	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	143768	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
35) Dibromofluoromethane	5.51	113	132011	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
50) Toluene-d8	8.72	98	508407	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	173906	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	

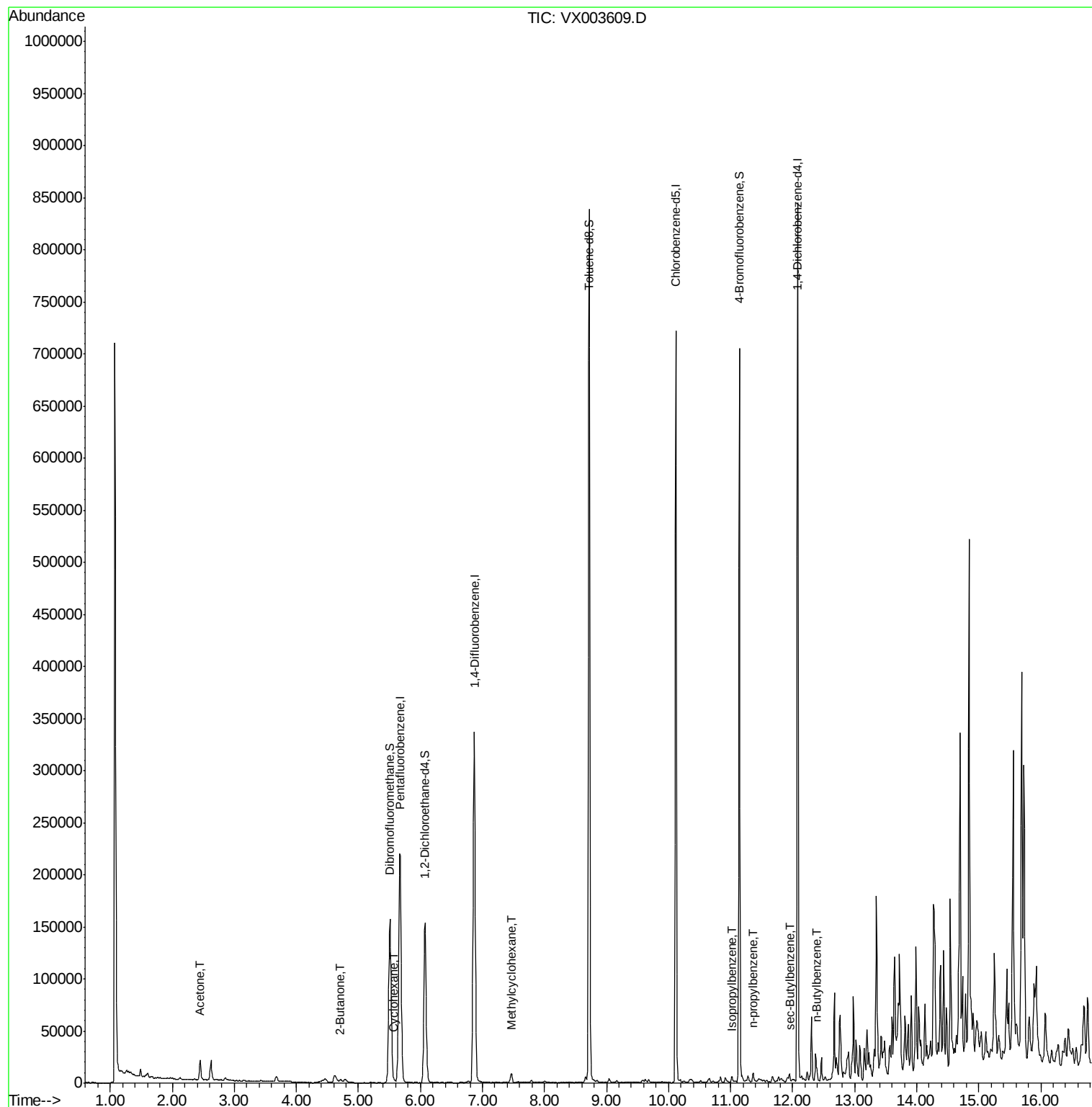
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	19708	18.28	ug/l	91
25) 2-Butanone	4.71	43	4687	2.59	ug/l	93
31) Cyclohexane	5.57	56	1343	0.31	ug/l	96
39) Methylcyclohexane	7.46	83	3542	0.78	ug/l #	92
73) Isopropylbenzene	11.02	105	3015	0.23	ug/l	95
78) n-propylbenzene	11.37	91	5157	0.36	ug/l	98
85) sec-Butylbenzene	11.95	105	3429	0.27	ug/l	91
89) n-Butylbenzene	12.39	91	3520	0.36	ug/l #	69

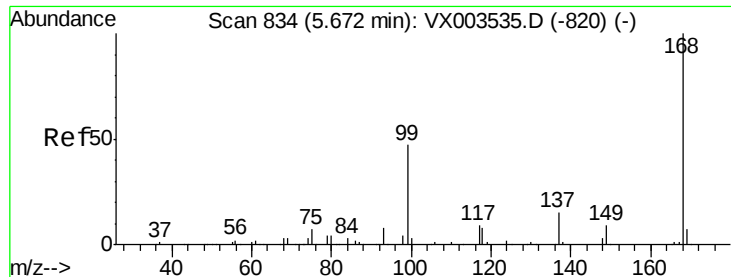
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 24 08:06:31 2018
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

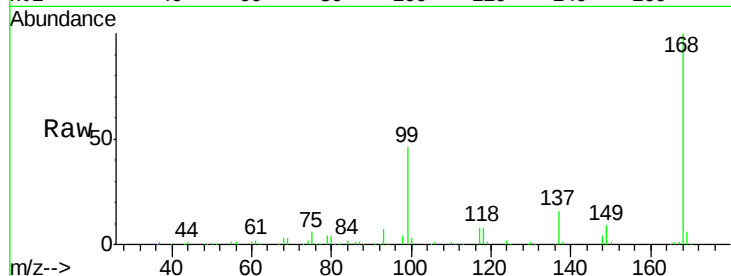
YT-MW-2

Tot Ion:168 Resp: 241123

Ion Ratio Lower Upper

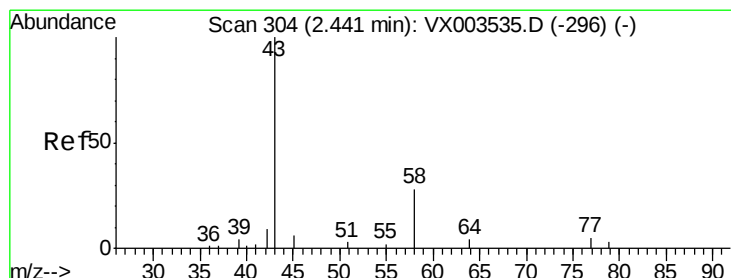
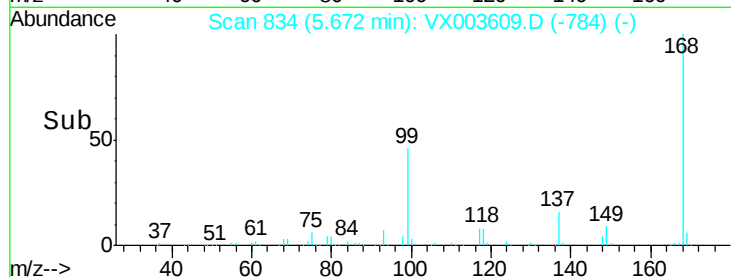
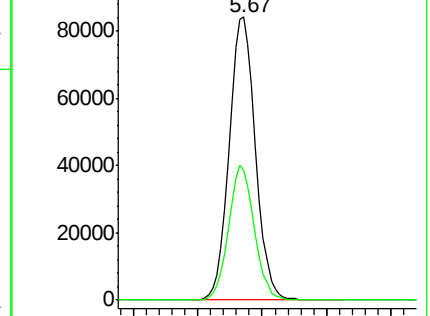
168 100

99 45.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 18.28 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003609.D

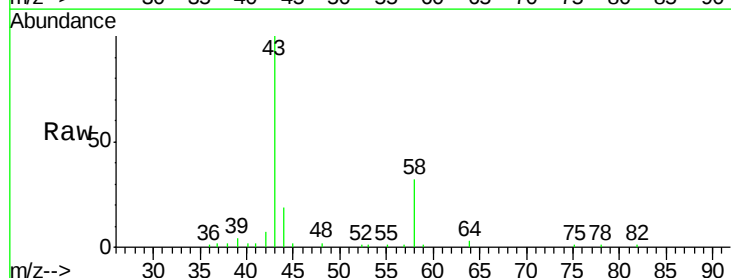
Acq: 23 Jul 2018 17:23

Tgt Ion: 43 Resp: 19708

Ion Ratio Lower Upper

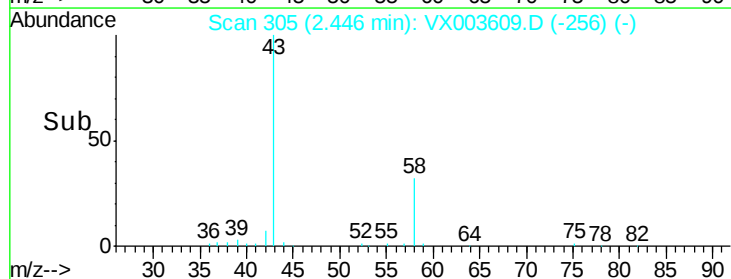
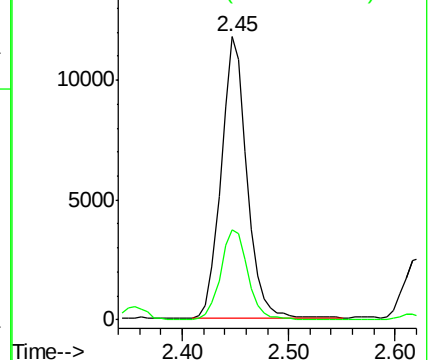
43 100

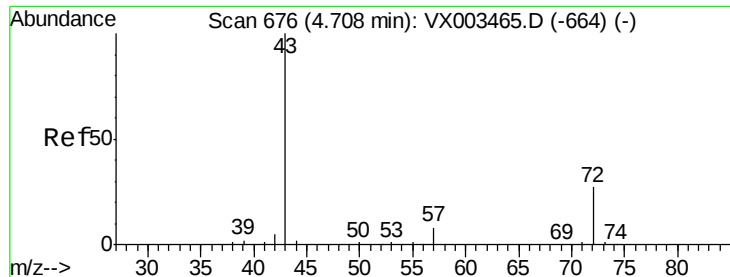
58 32.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 2.59 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

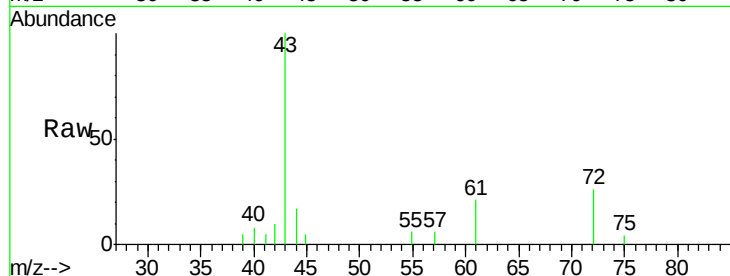
YT-MW-2

Tot Ion: 43 Resp: 4687

Ion Ratio Lower Upper

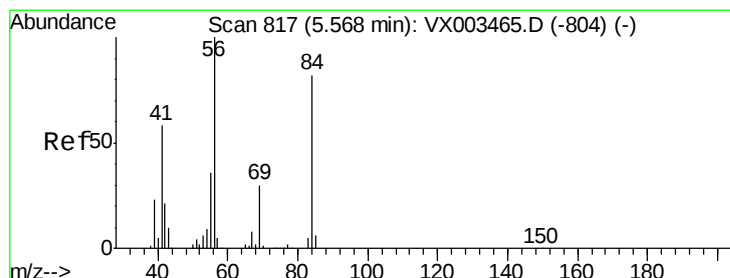
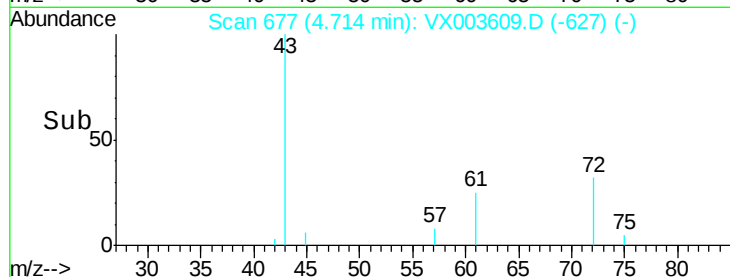
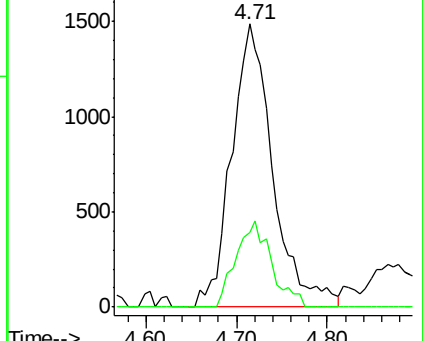
43 100

72 26.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.31 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

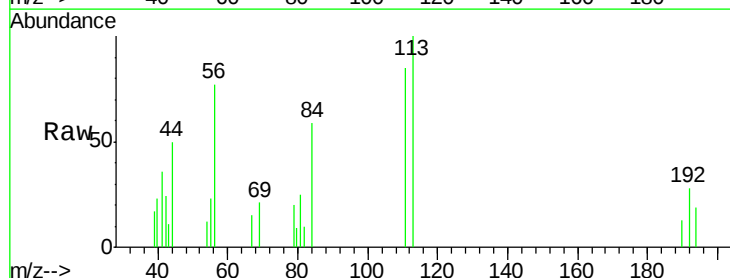
Tgt Ion: 56 Resp: 1343

Ion Ratio Lower Upper

56 100

69 27.7 23.7 35.5

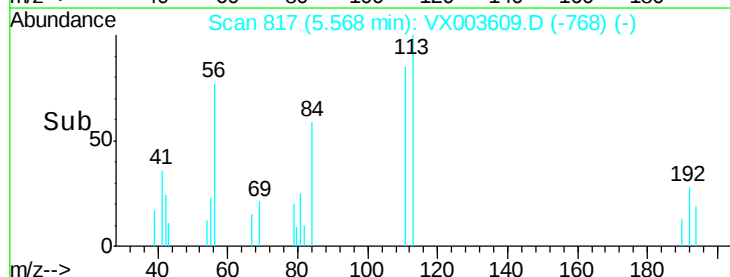
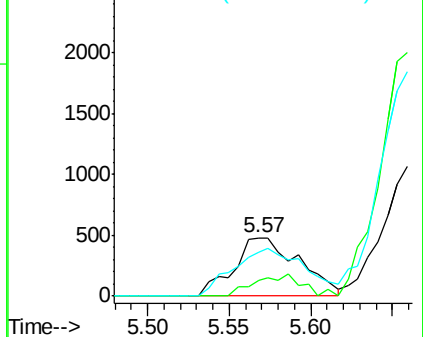
84 75.9 64.1 96.1

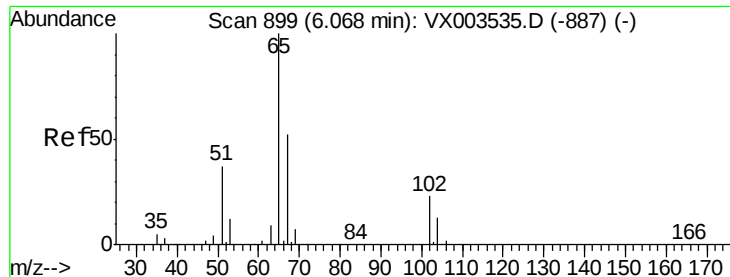


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.37 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

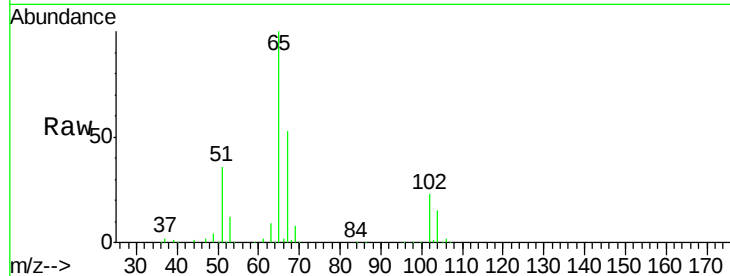
YT-MW-2

Tot Ion: 65 Resp: 143768

Ion Ratio Lower Upper

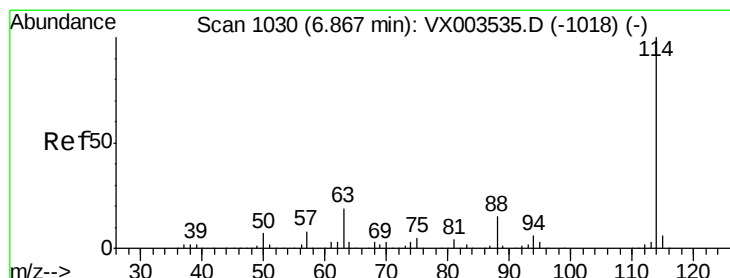
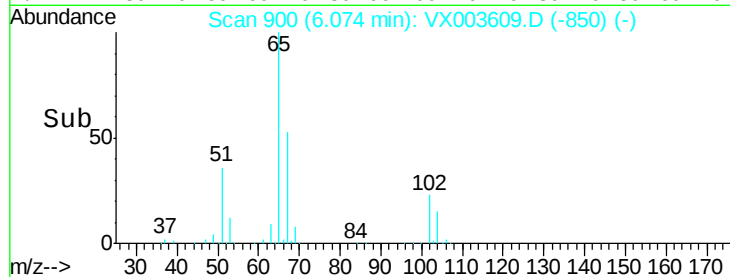
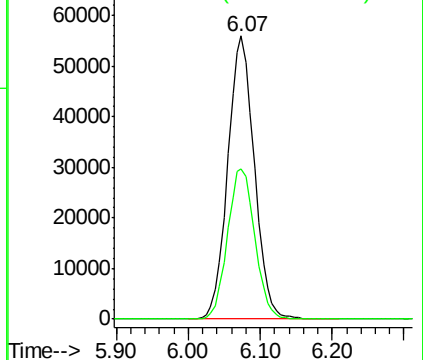
65 100

67 54.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

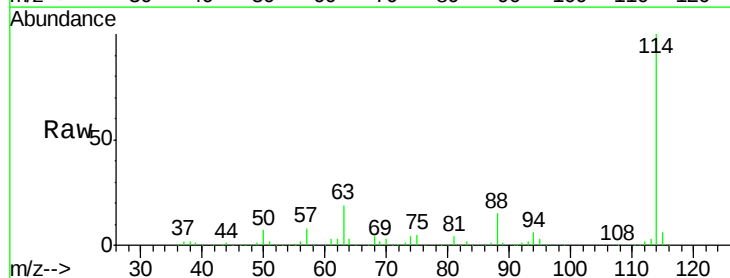
Tgt Ion: 114 Resp: 355338

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.4

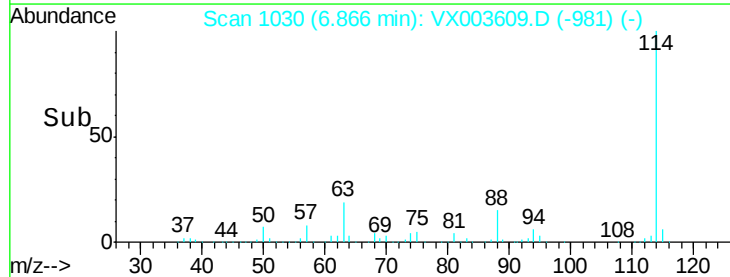
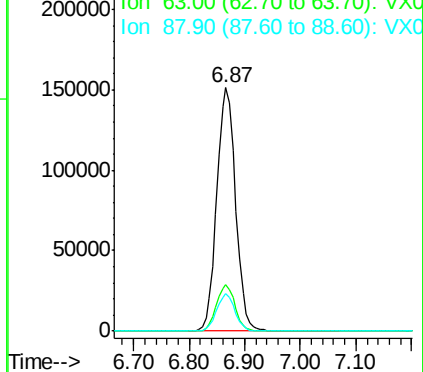
88 15.5 0.0 30.0

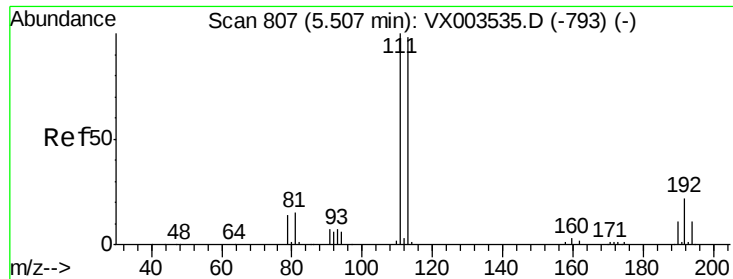


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.78 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-2

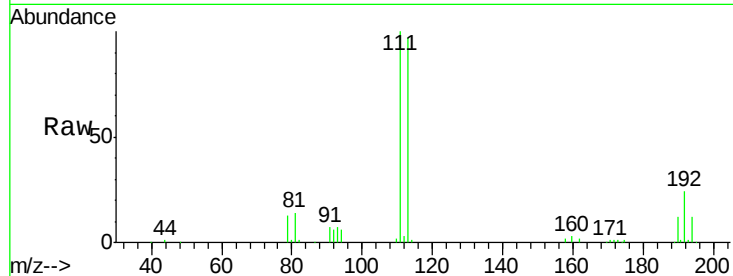
Tot Ion:113 Resp: 132011

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

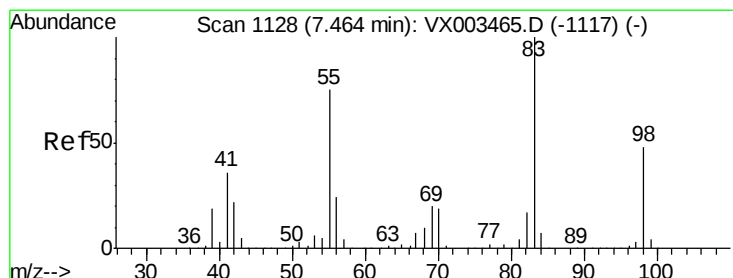
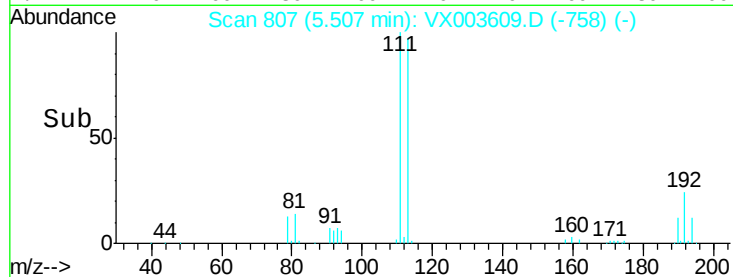
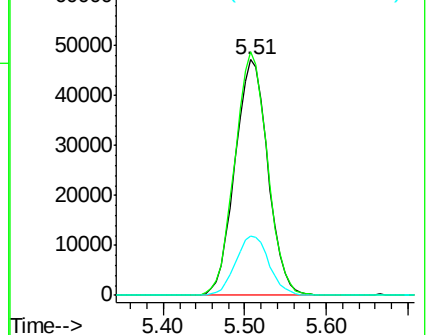
192 25.4 19.1 28.7



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: 0.78 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

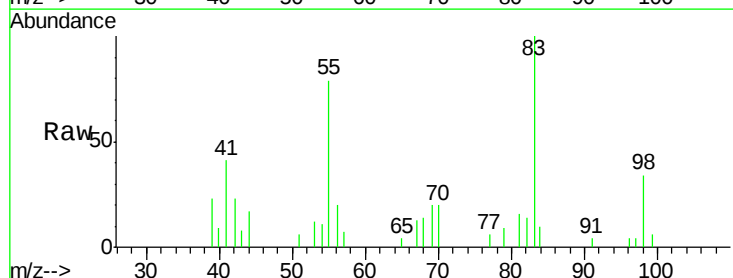
Tgt Ion: 83 Resp: 3542

Ion Ratio Lower Upper

83 100

55 79.3 65.4 98.0

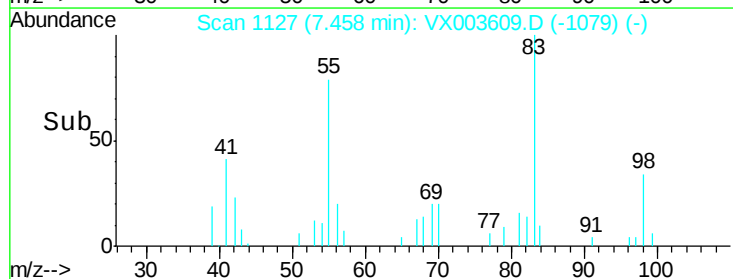
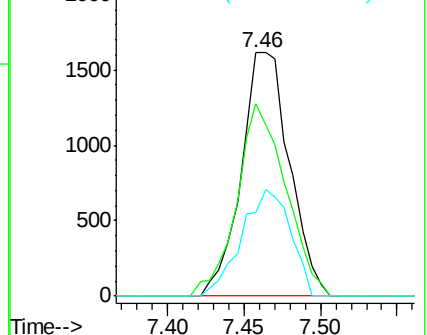
98 34.4 37.4 56.0#

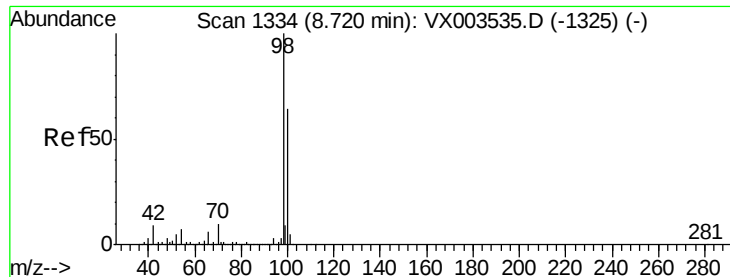


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 49.98 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

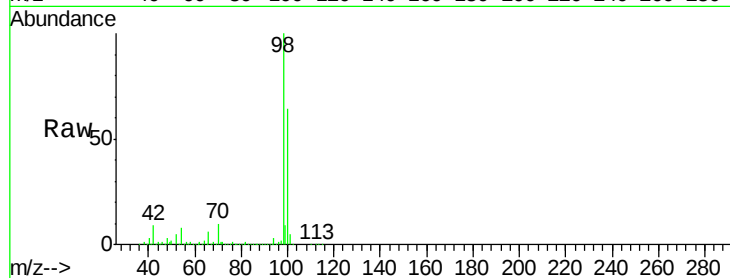
YT-MW-2

Tot Ion: 98 Resp: 508407

Ion Ratio Lower Upper

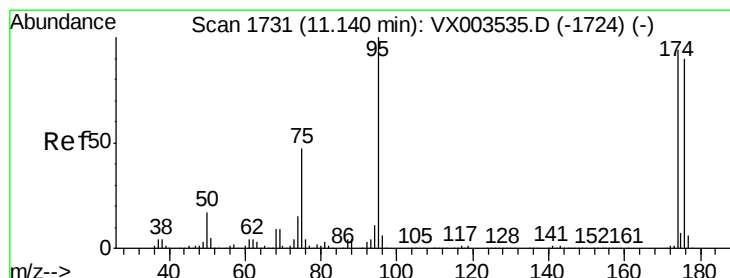
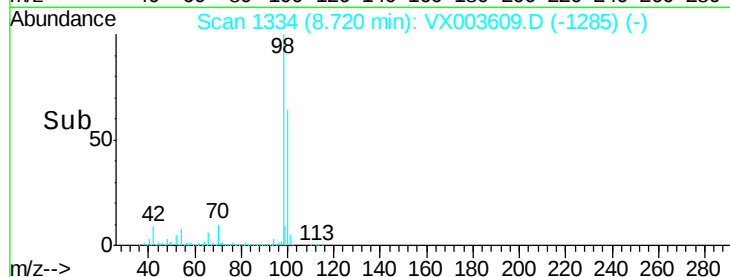
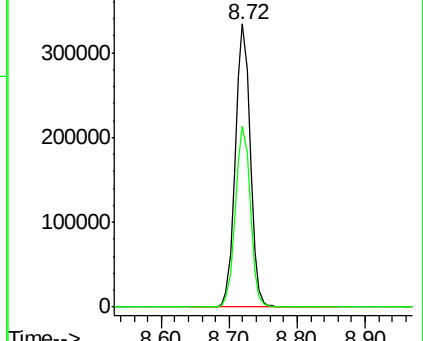
98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

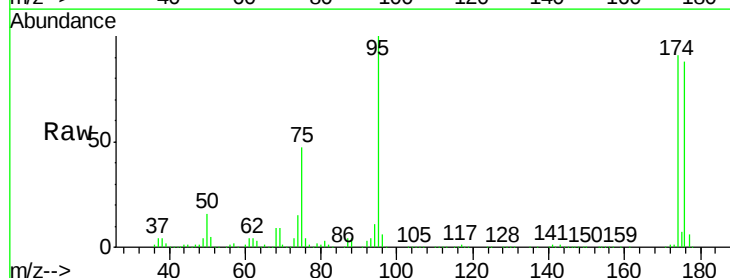
Tgt Ion: 95 Resp: 173906

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

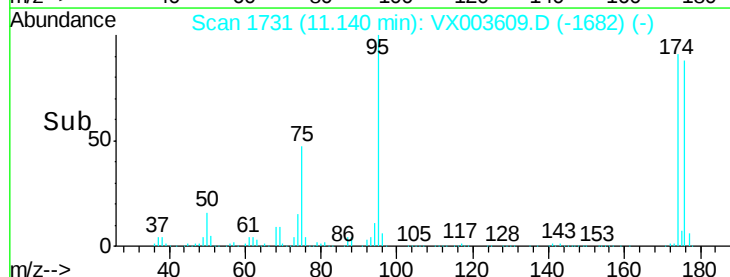
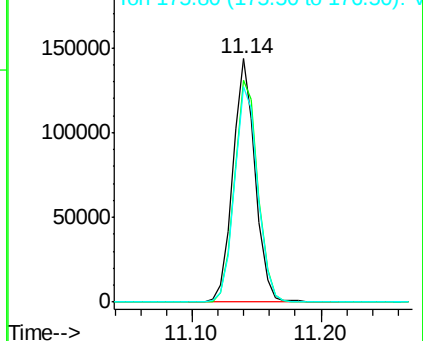
176 92.3 0.0 181.0

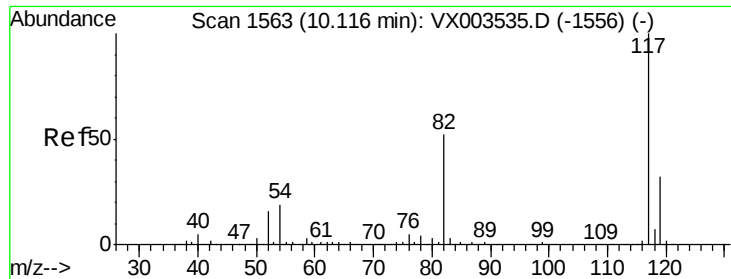


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

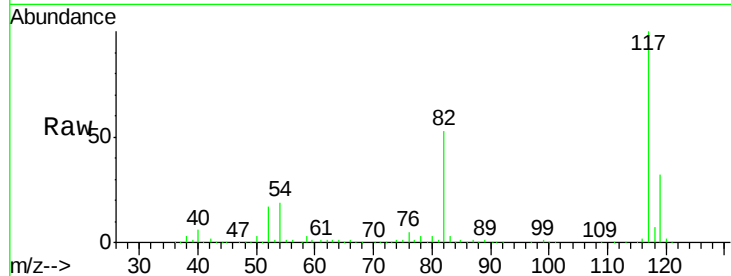




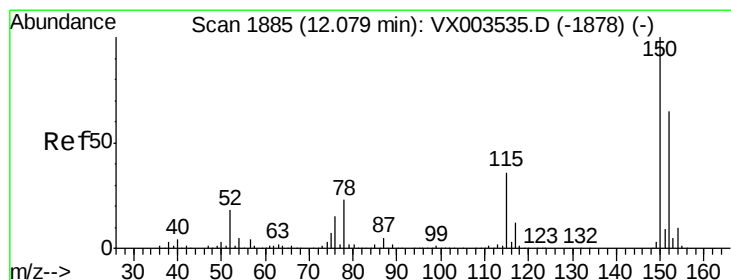
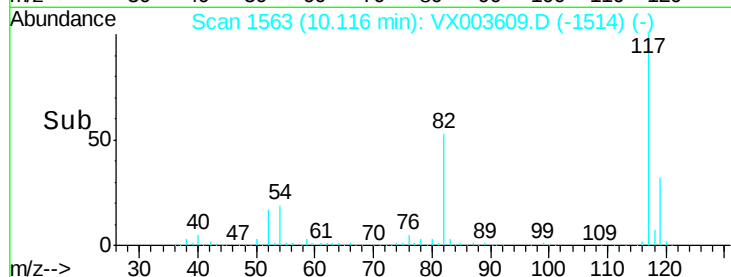
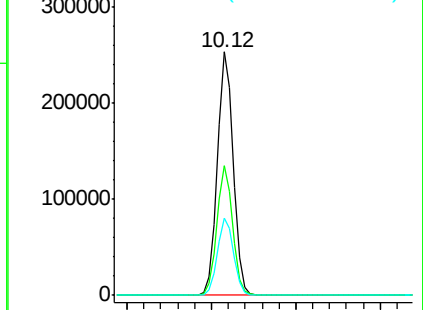
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003609.D
Acq: 23 Jul 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-2

Tot Ion:117 Resp: 333604
Ion Ratio Lower Upper
117 100
82 53.4 45.0 67.4
119 31.8 25.8 38.6

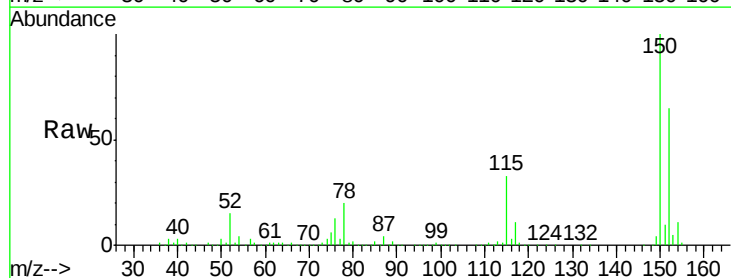


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

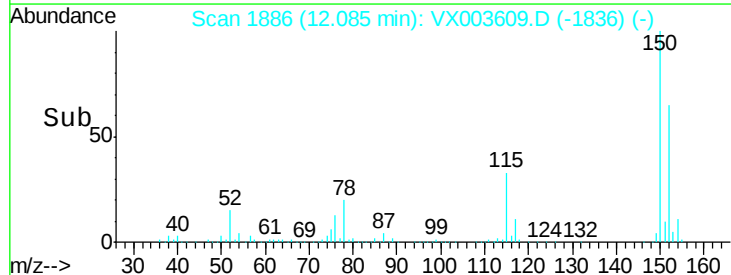
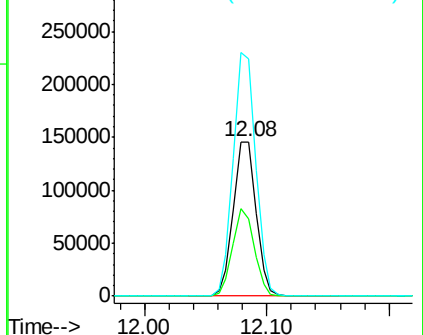


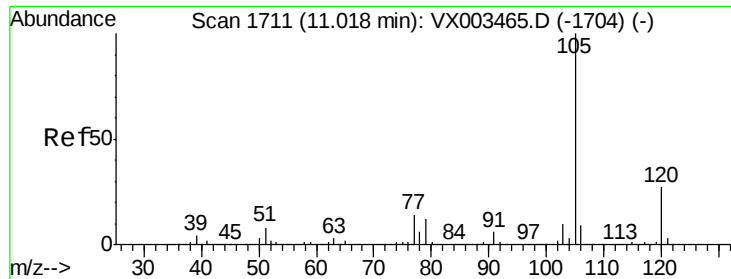
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003609.D
Acq: 23 Jul 2018 17:23

Tgt Ion:152 Resp: 187391
Ion Ratio Lower Upper
152 100
115 54.0 40.1 120.2
150 156.1 0.0 347.2



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: 0.23 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampled :

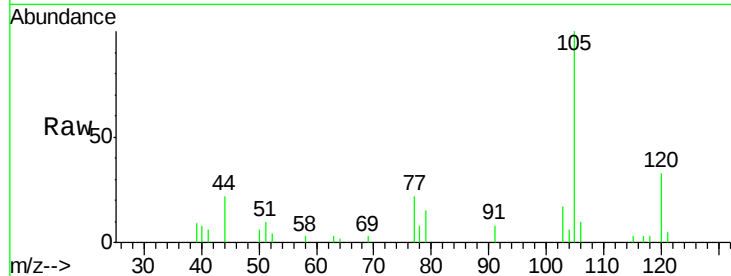
YT-MW-2

Tot Ion: 105 Resp: 3015

Ion Ratio Lower Upper

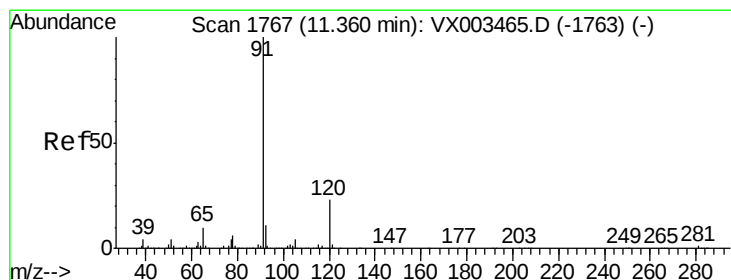
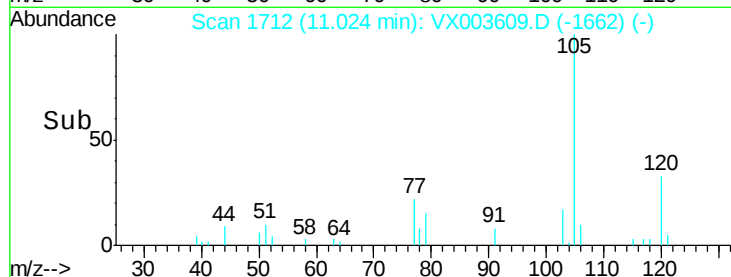
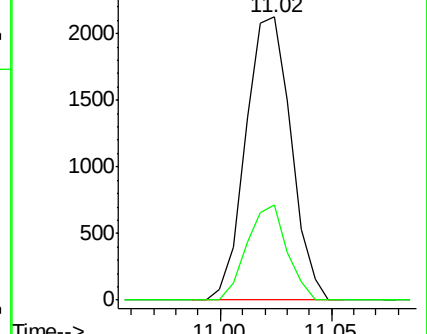
105 100

120 29.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.36 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003609.D

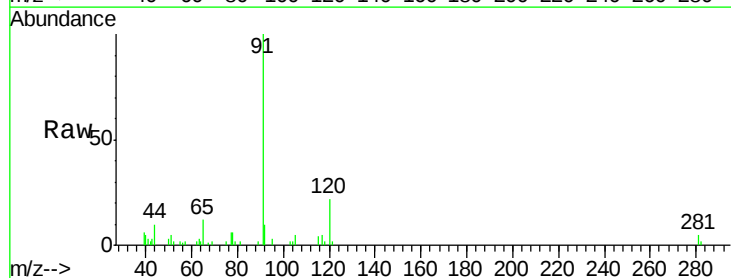
Acq: 23 Jul 2018 17:23

Tgt Ion: 91 Resp: 5157

Ion Ratio Lower Upper

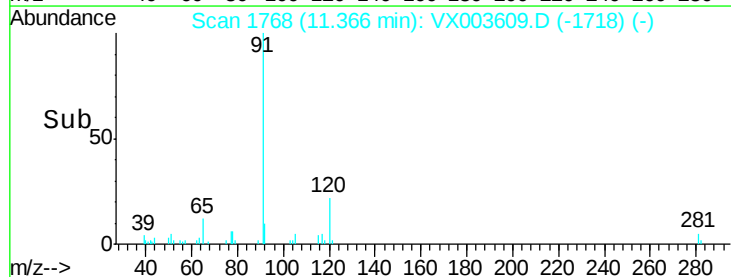
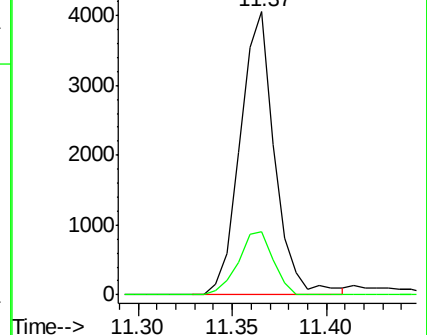
91 100

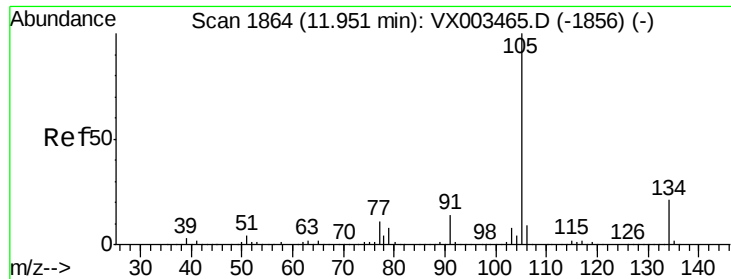
120 22.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.27 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

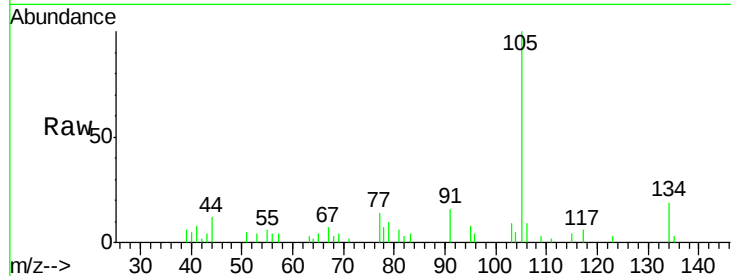
YT-MW-2

Tot Ion:105 Resp: 3429

Ion Ratio Lower Upper

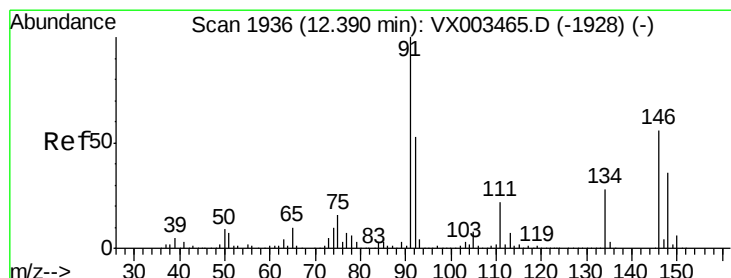
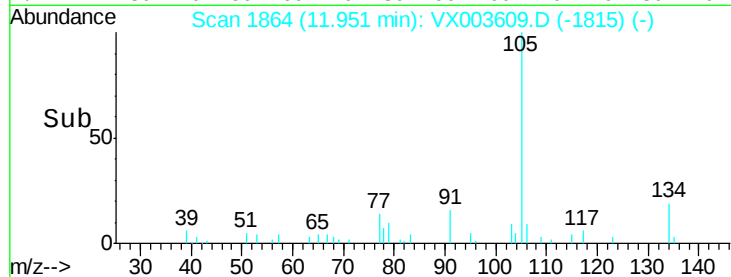
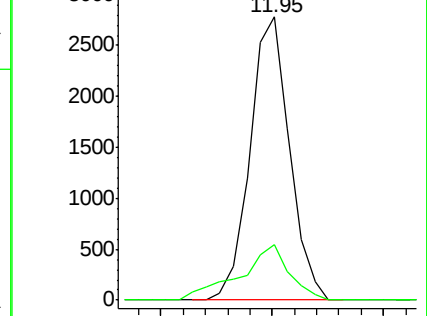
105 100

134 24.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.36 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003609.D

Acq: 23 Jul 2018 17:23

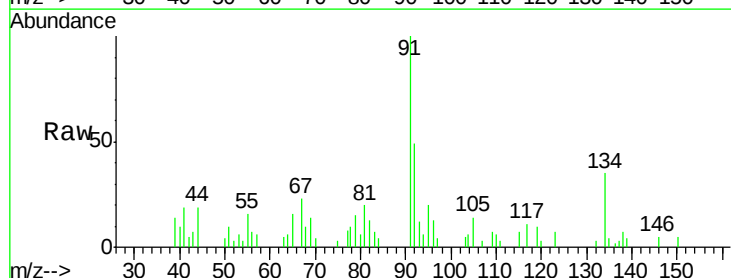
Tgt Ion: 91 Resp: 3520

Ion Ratio Lower Upper

91 100

92 38.2 26.0 78.0

134 54.5 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

