

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008131.D
 Acq On : 16 Mar 2019 02:37
 Operator : JC/SP
 Sample : K1894-06DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW12-GWDL

Quant Time: Mar 16 11:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388100	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	371278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191904	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	127438	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.51	113	126609	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
50) Toluene-d8	8.71	98	464124	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	176435	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	

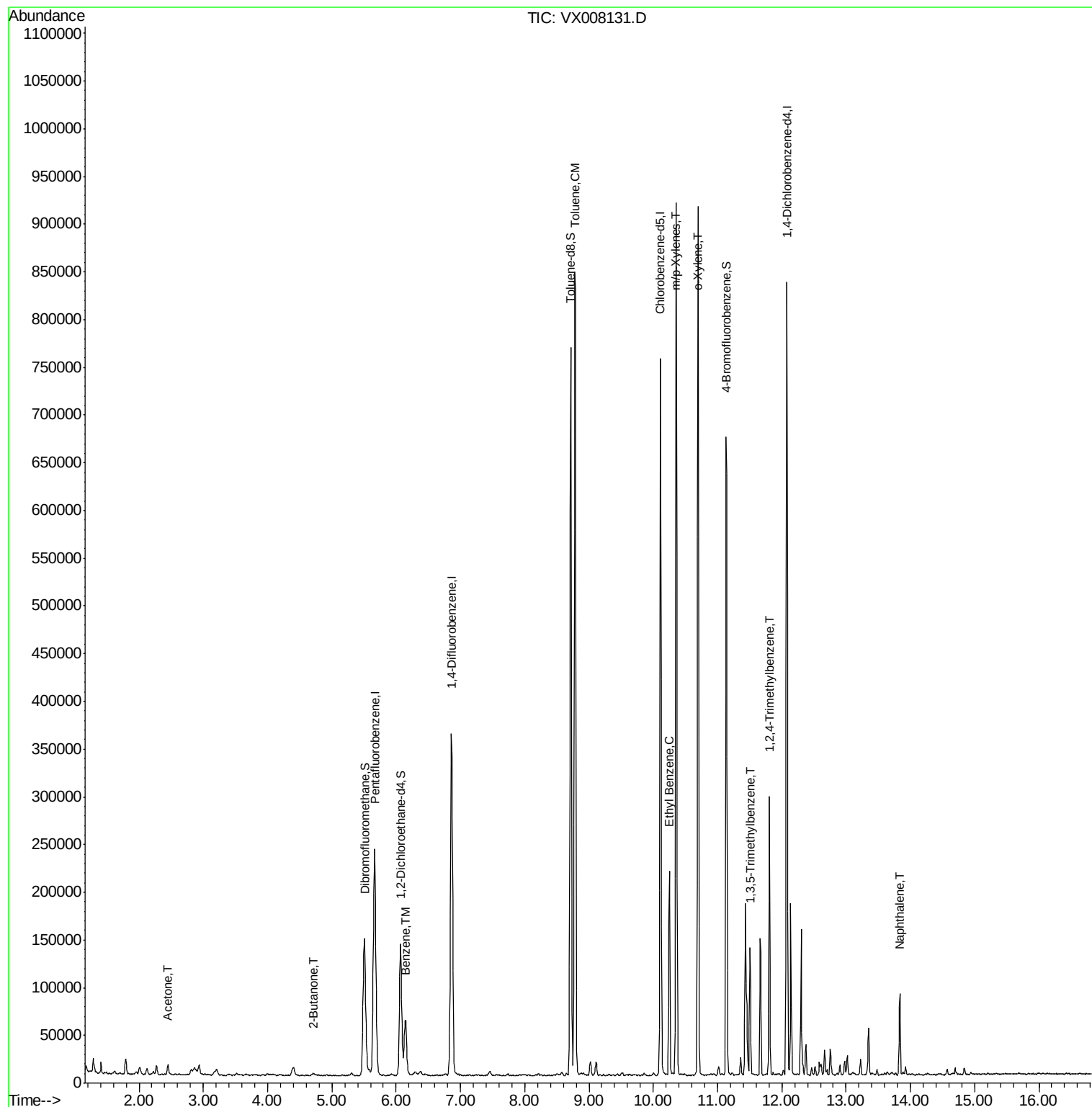
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	10538	8.657	ug/l	91
25) 2-Butanone	4.71	43	4175	2.234	ug/l	90
40) Benzene	6.15	78	73658	7.531	ug/l	99
52) Toluene	8.78	92	331253	53.278	ug/l	99
67) Ethyl Benzene	10.25	91	127528	10.457	ug/l	99
68) m/p-Xylenes	10.36	106	228358	48.936	ug/l	100
69) o-Xylene	10.69	106	209875	46.136	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	57595	5.687	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	129910	12.435	ug/l	98
95) Naphthalene	13.83	128	55545	4.708	ug/l	100

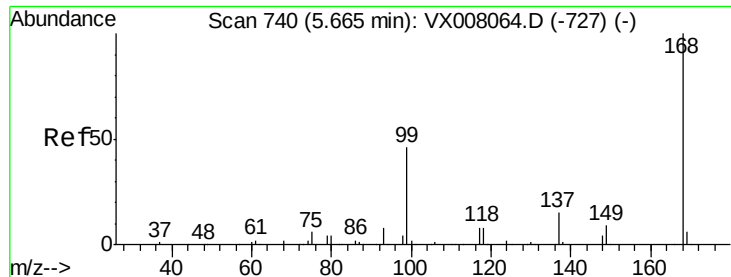
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 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: VX008131.D

Acq: 16 Mar 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

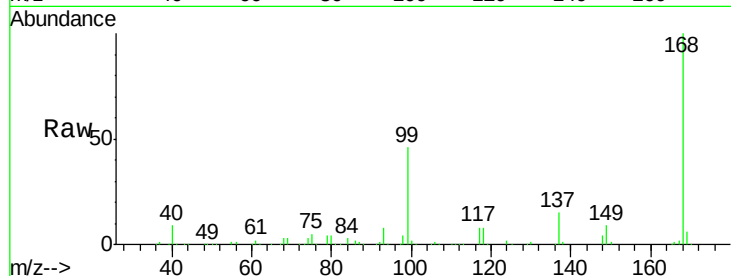
RFK-RMAB-MW12-GWDL

Tot Ion:168 Resp: 255609

Ion Ratio Lower Upper

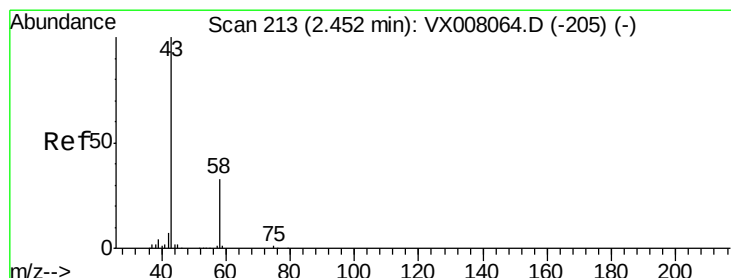
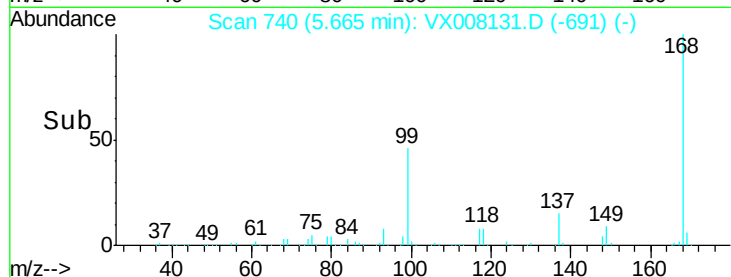
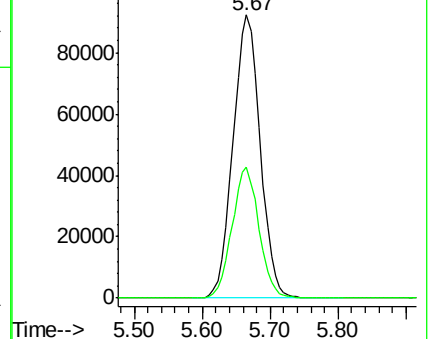
168 100

99 46.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.657 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008131.D

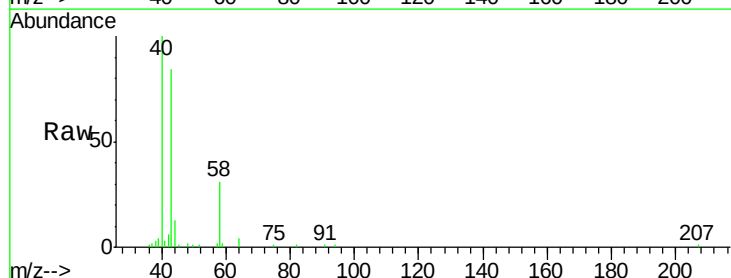
Acq: 16 Mar 2019 02:37

Tgt Ion: 43 Resp: 10538

Ion Ratio Lower Upper

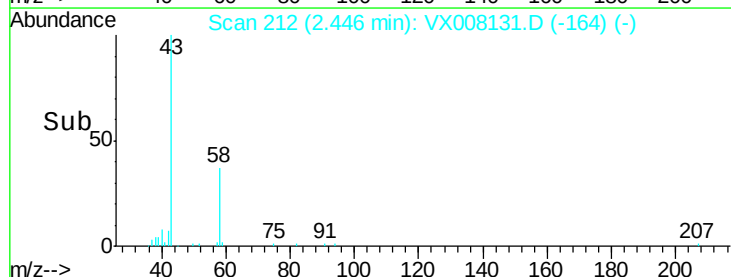
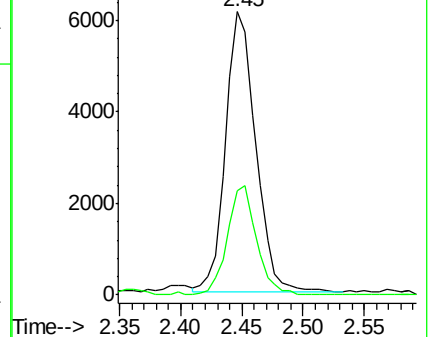
43 100

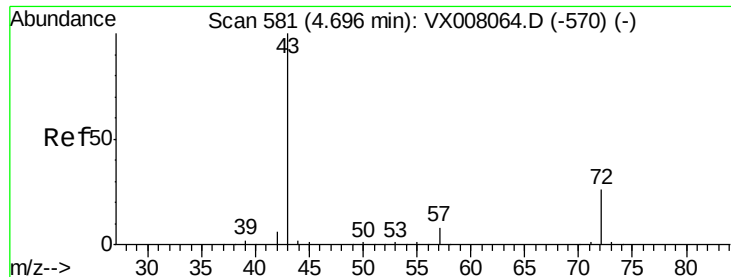
58 36.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 2.234 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX008131.D

Acq: 16 Mar 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

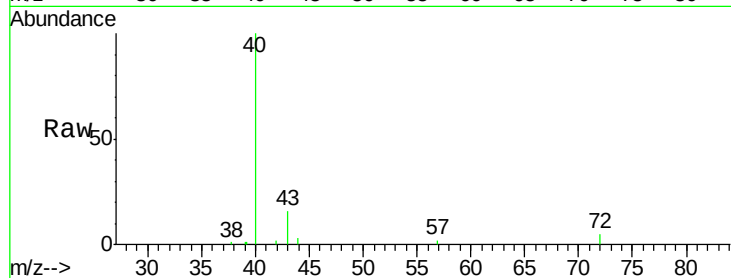
RFK-RMAB-MW12-GWDL

Tot Ion: 43 Resp: 4175

Ion Ratio Lower Upper

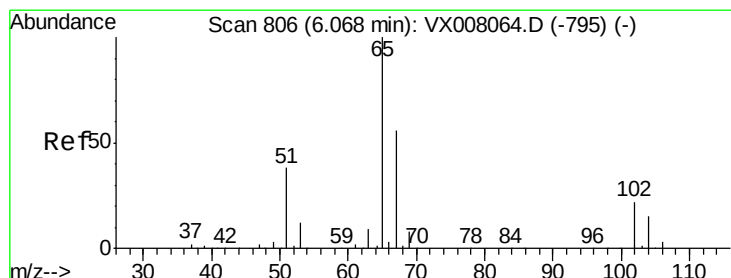
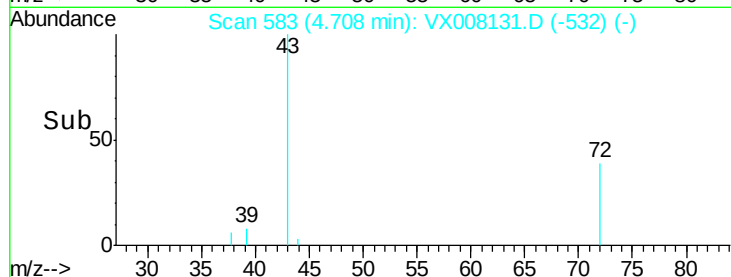
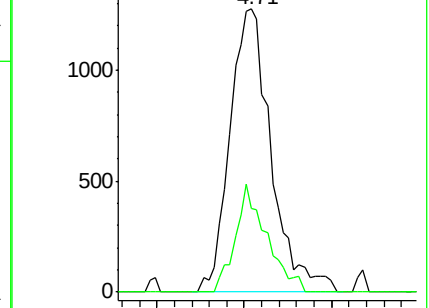
43 100

72 29.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.425 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008131.D

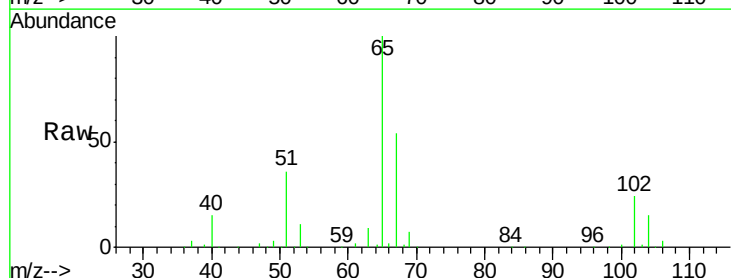
Acq: 16 Mar 2019 02:37

Tgt Ion: 65 Resp: 127438

Ion Ratio Lower Upper

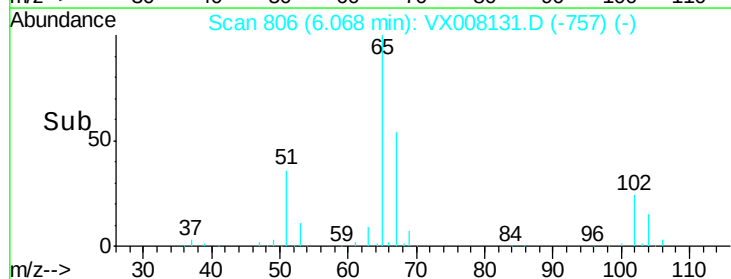
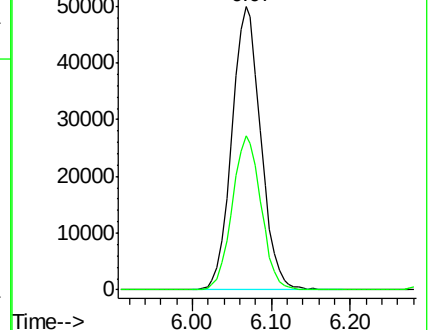
65 100

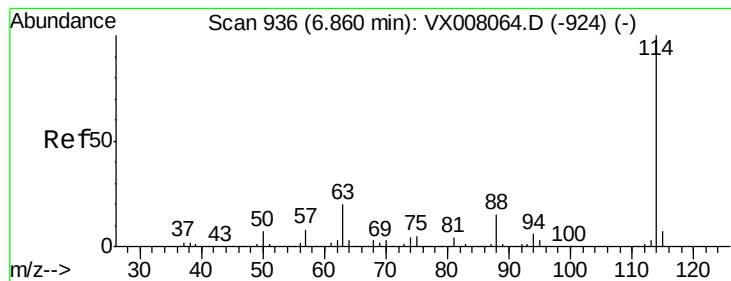
67 54.3 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008131.D

Acq: 16 Mar 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW12-GWDL

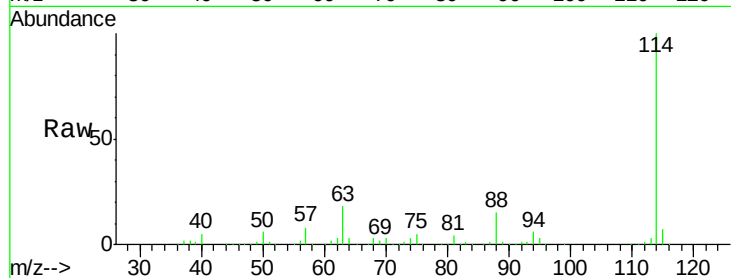
Tot Ion:114 Resp: 388100

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.8

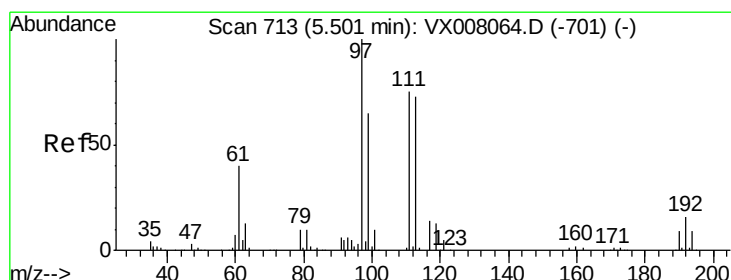
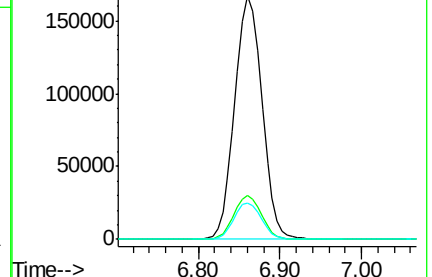
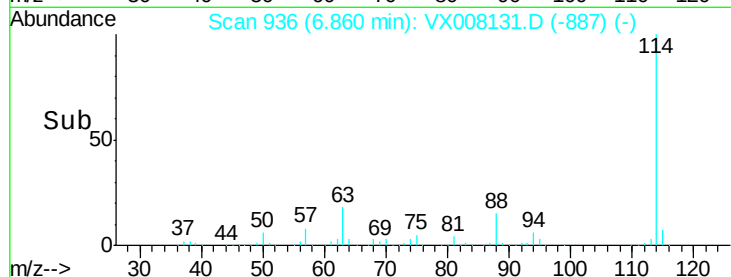
88 15.1 0.0 31.4



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: 51.444 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008131.D

Acq: 16 Mar 2019 02:37

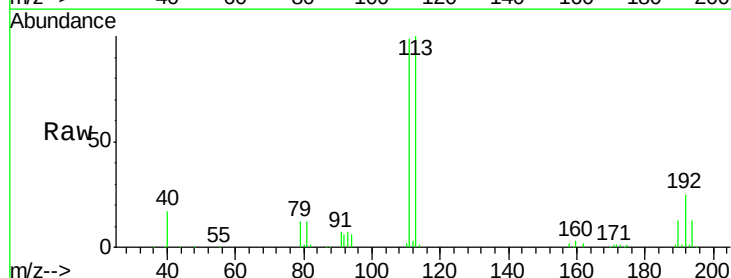
Tgt Ion:113 Resp: 126609

Ion Ratio Lower Upper

113 100

111 99.5 81.4 122.0

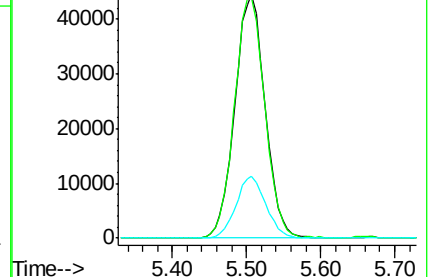
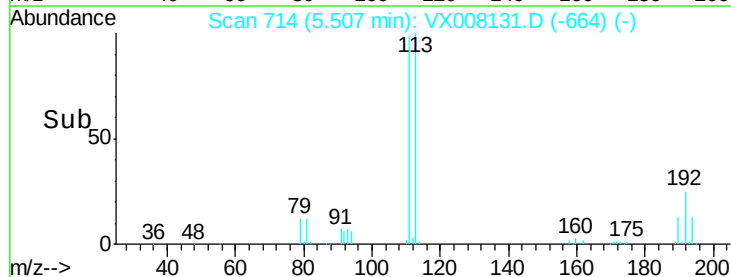
192 25.0 19.4 29.0

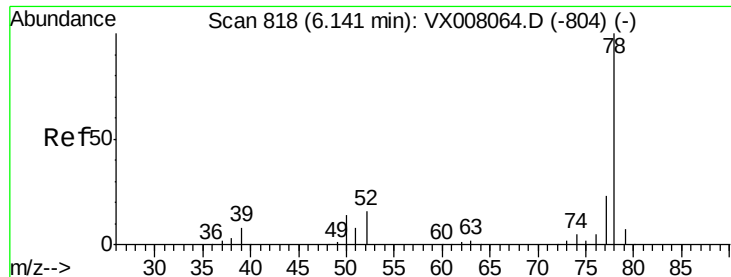


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

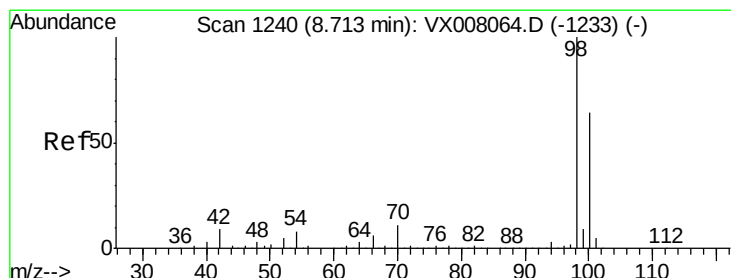
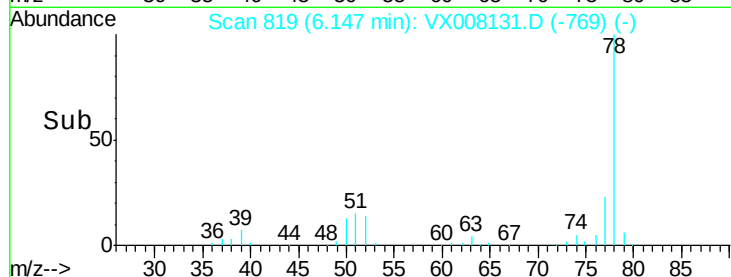
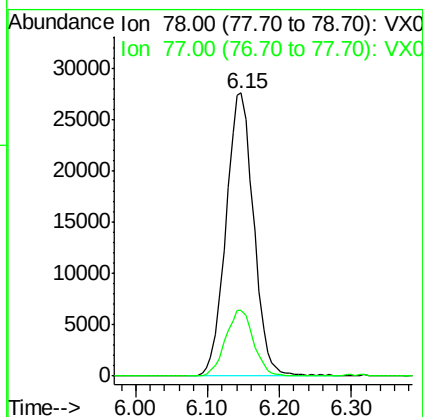
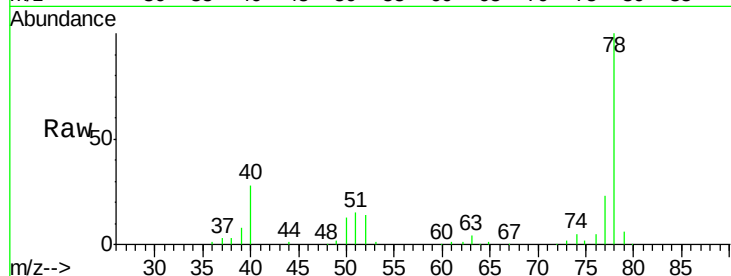




#40
Benzene
Concen: 7.531 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008131.D
Acq: 16 Mar 2019 02:37

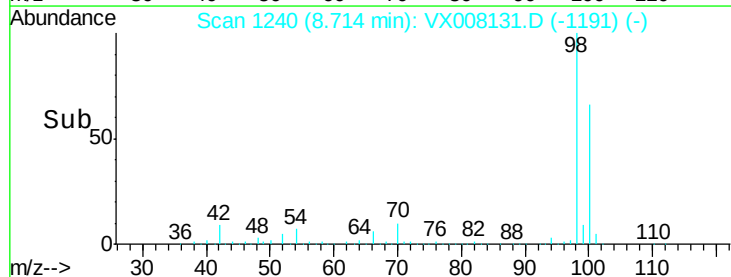
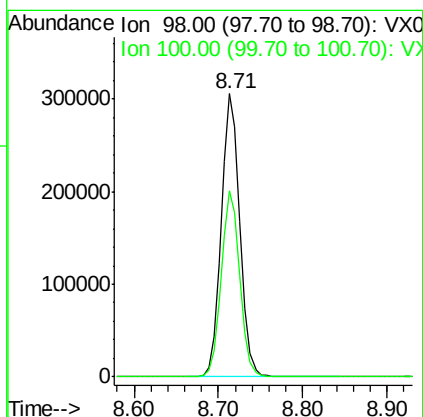
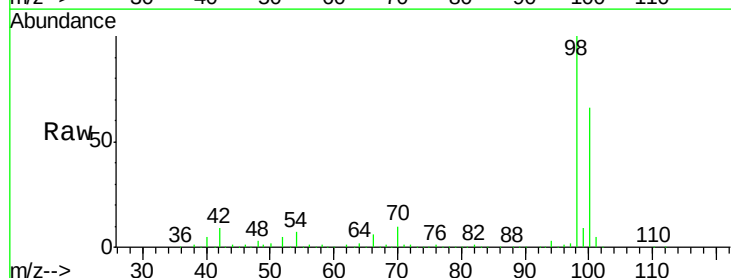
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW12-GWDL

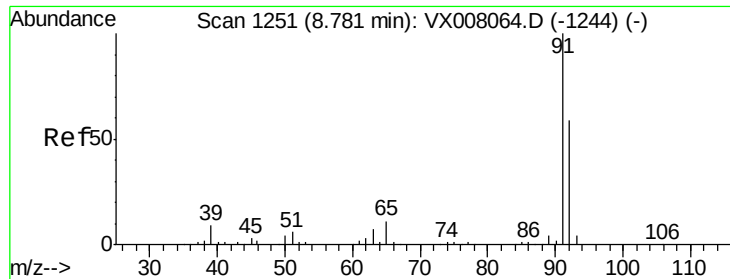
Tot Ion: 78 Resp: 73658
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4



#50
Toluene-d8
Concen: 49.584 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008131.D
Acq: 16 Mar 2019 02:37

Tgt Ion: 98 Resp: 464124
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5





#52

Toluene

Concen: 53.278 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008131.D

Acq: 16 Mar 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

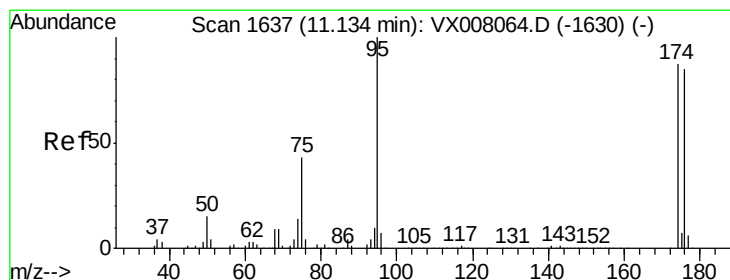
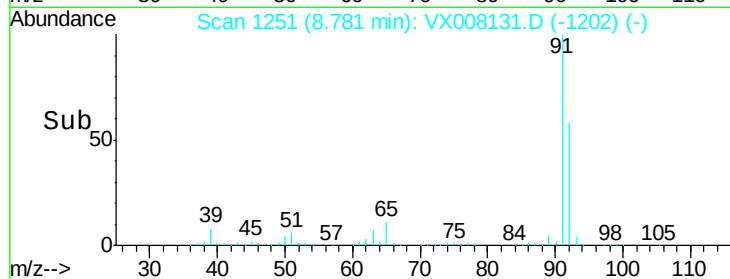
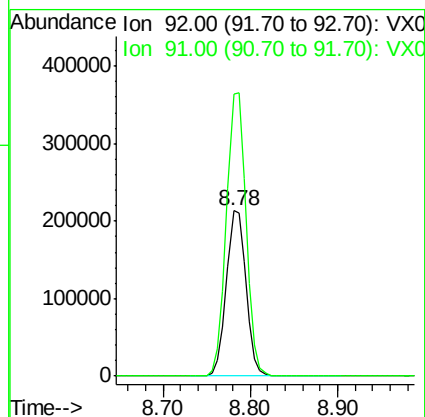
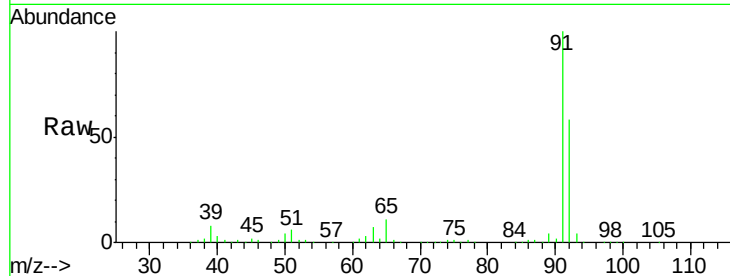
RFK-RMAB-MW12-GWDL

Tot Ion: 92 Resp: 331253

Ion Ratio Lower Upper

92 100

91 172.4 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 52.617 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008131.D

Acq: 16 Mar 2019 02:37

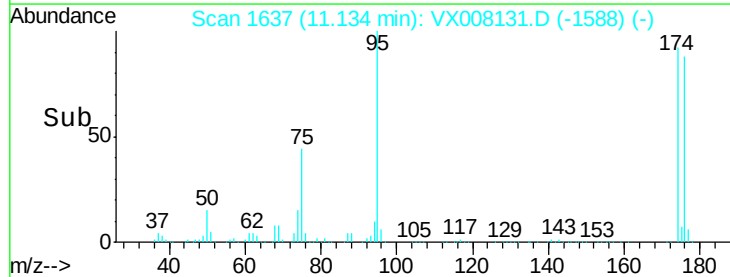
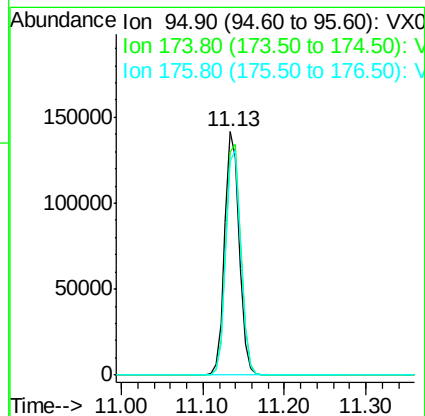
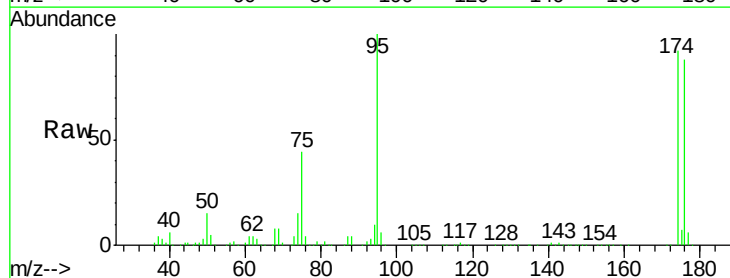
Tgt Ion: 95 Resp: 176435

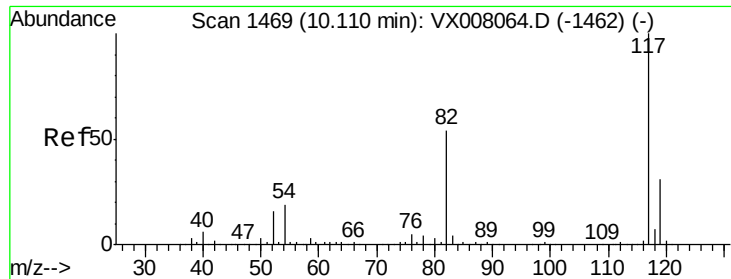
Ion Ratio Lower Upper

95 100

174 97.9 0.0 182.8

176 94.8 0.0 178.0

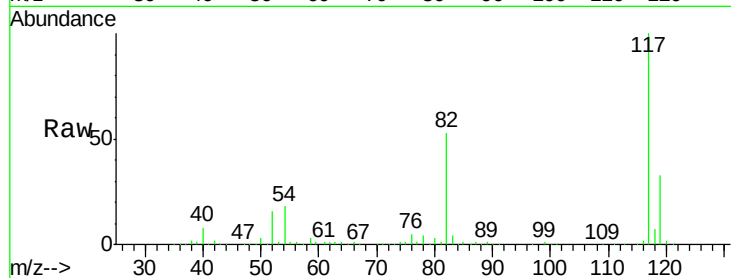




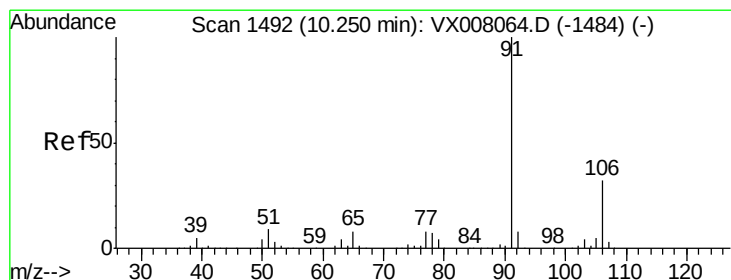
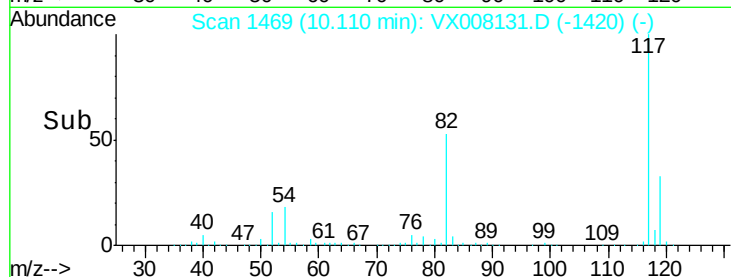
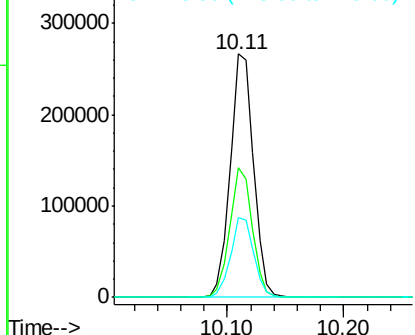
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008131.D
Acq: 16 Mar 2019 02:37

Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW12-GWDL

Tot Ion:117 Resp: 371278
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 32.7 25.3 37.9

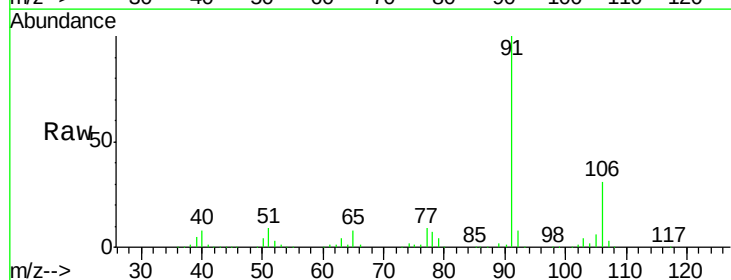


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

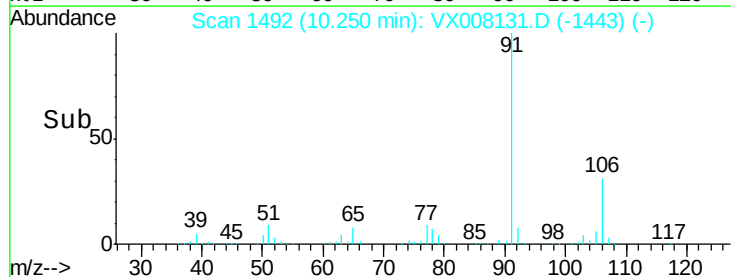
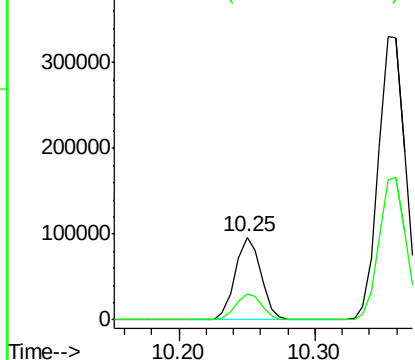


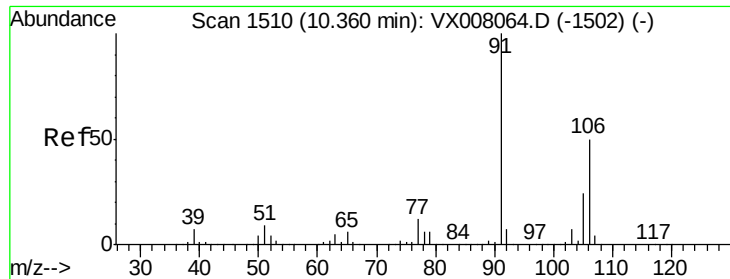
#67
Ethyl Benzene
Concen: 10.457 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008131.D
Acq: 16 Mar 2019 02:37

Tgt Ion: 91 Resp: 127528
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



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

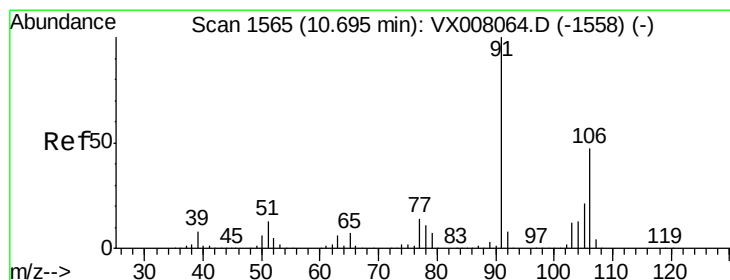
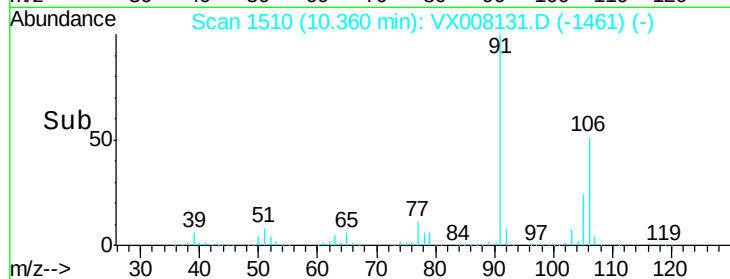
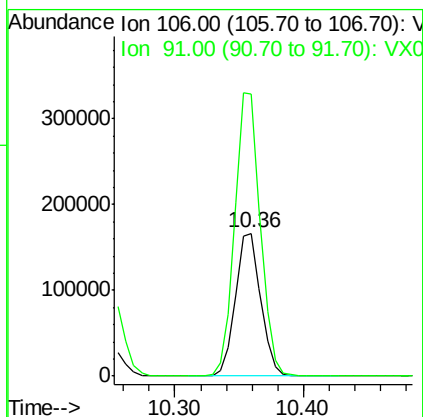
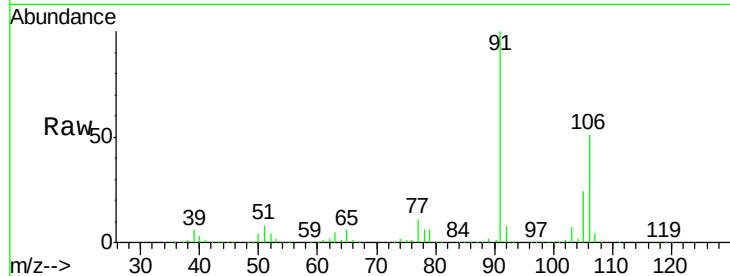




#68
m/p-Xylenes
Concen: 48.936 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008131.D
Acq: 16 Mar 2019 02:37

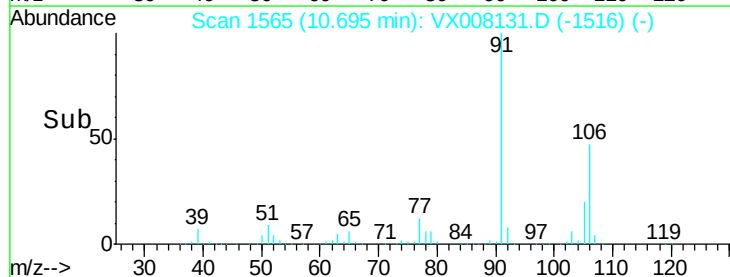
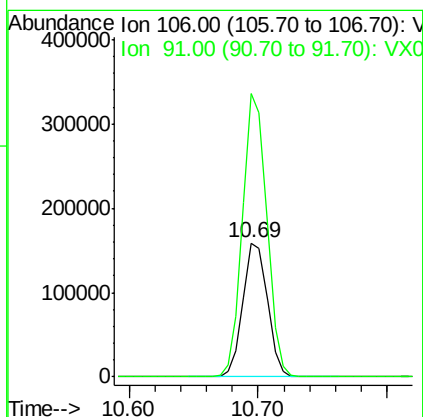
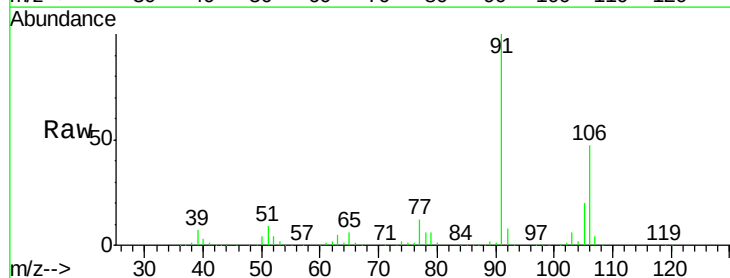
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW12-GWDL

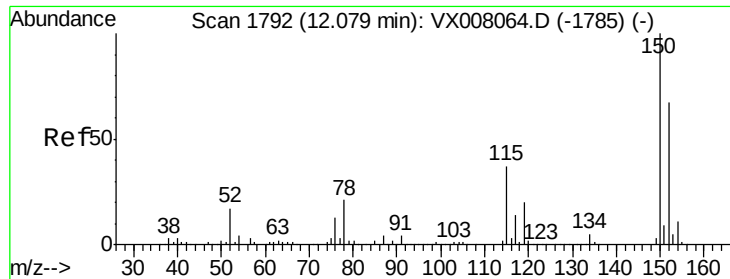
Tot Ion:106 Resp: 228358
Ion Ratio Lower Upper
106 100
91 199.8 159.8 239.6



#69
o-Xylene
Concen: 46.136 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008131.D
Acq: 16 Mar 2019 02:37

Tgt Ion:106 Resp: 209875
Ion Ratio Lower Upper
106 100
91 209.0 106.3 318.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008131.D

Acq: 16 Mar 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW12-GWDL

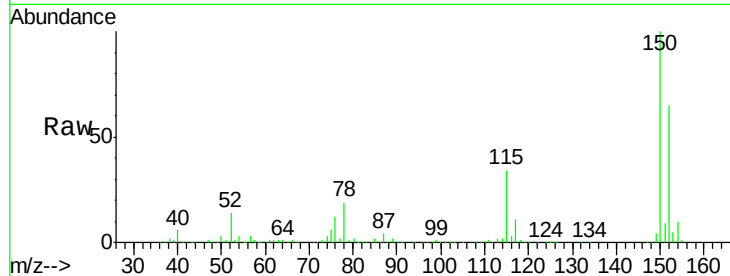
Tot Ion:152 Resp: 191904

Ion Ratio Lower Upper

152 100

115 53.6 38.6 115.7

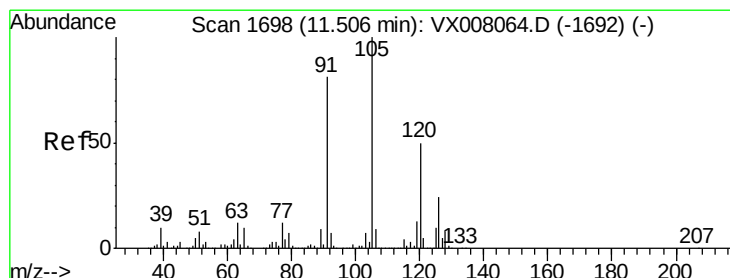
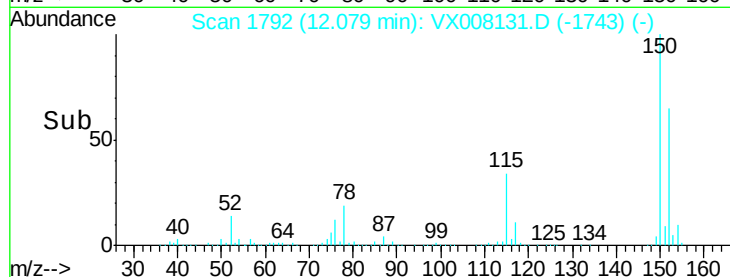
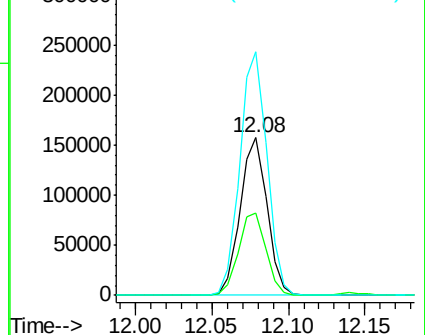
150 155.8 0.0 348.4



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



#80

1,3,5-Trimethylbenzene

Concen: 5.687 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008131.D

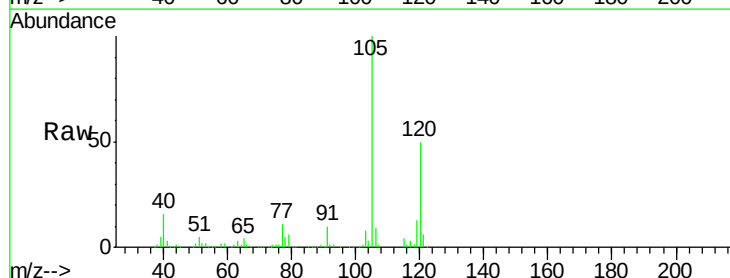
Acq: 16 Mar 2019 02:37

Tgt Ion:105 Resp: 57595

Ion Ratio Lower Upper

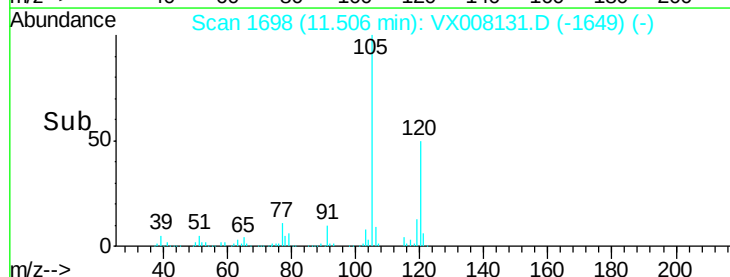
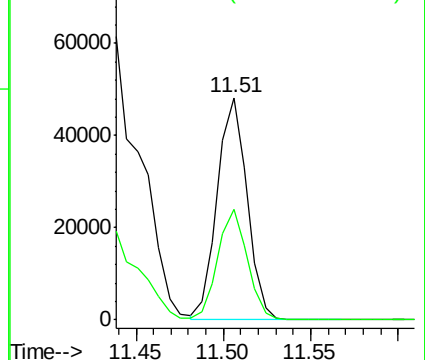
105 100

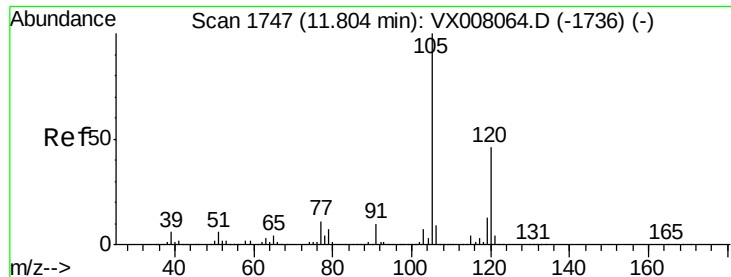
120 49.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

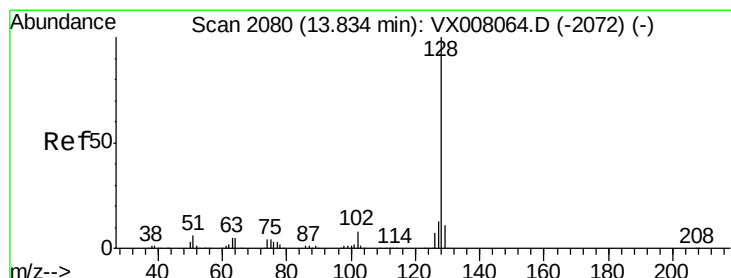
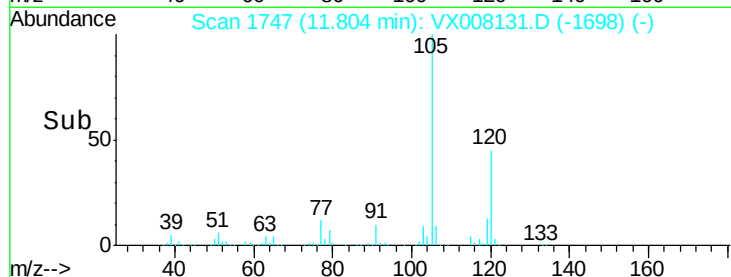
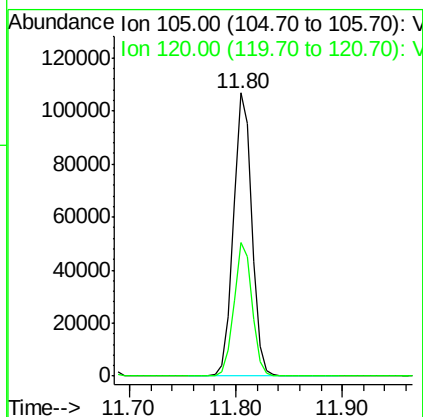
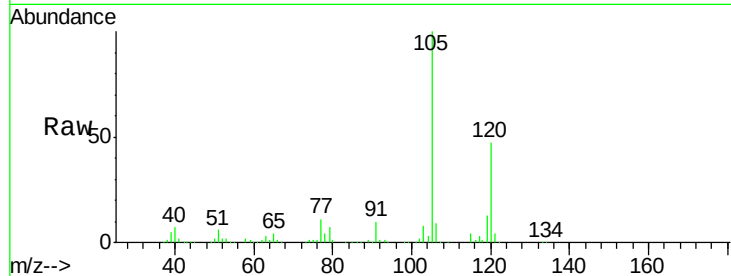




#84
 1,2,4-Trimethylbenzene
 Concen: 12.435 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008131.D
 Acq: 16 Mar 2019 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW12-GWDL

Tot Ion:105 Resp: 129910
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.7



#95
 Naphthalene
 Concen: 4.708 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX008131.D
 Acq: 16 Mar 2019 02:37

Tgt Ion:128 Resp: 55545
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.6 8.7 13.1

