

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006443.D
 Acq On : 12 Dec 2018 14:26
 Operator : JC/MD
 Sample : J6334-10DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-121018DL

Quant Time: Dec 13 09:55:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	736247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1125319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1027462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	522917	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	367264	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	5.50	113	343735	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.71	98	1318078	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.13	95	490763	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	

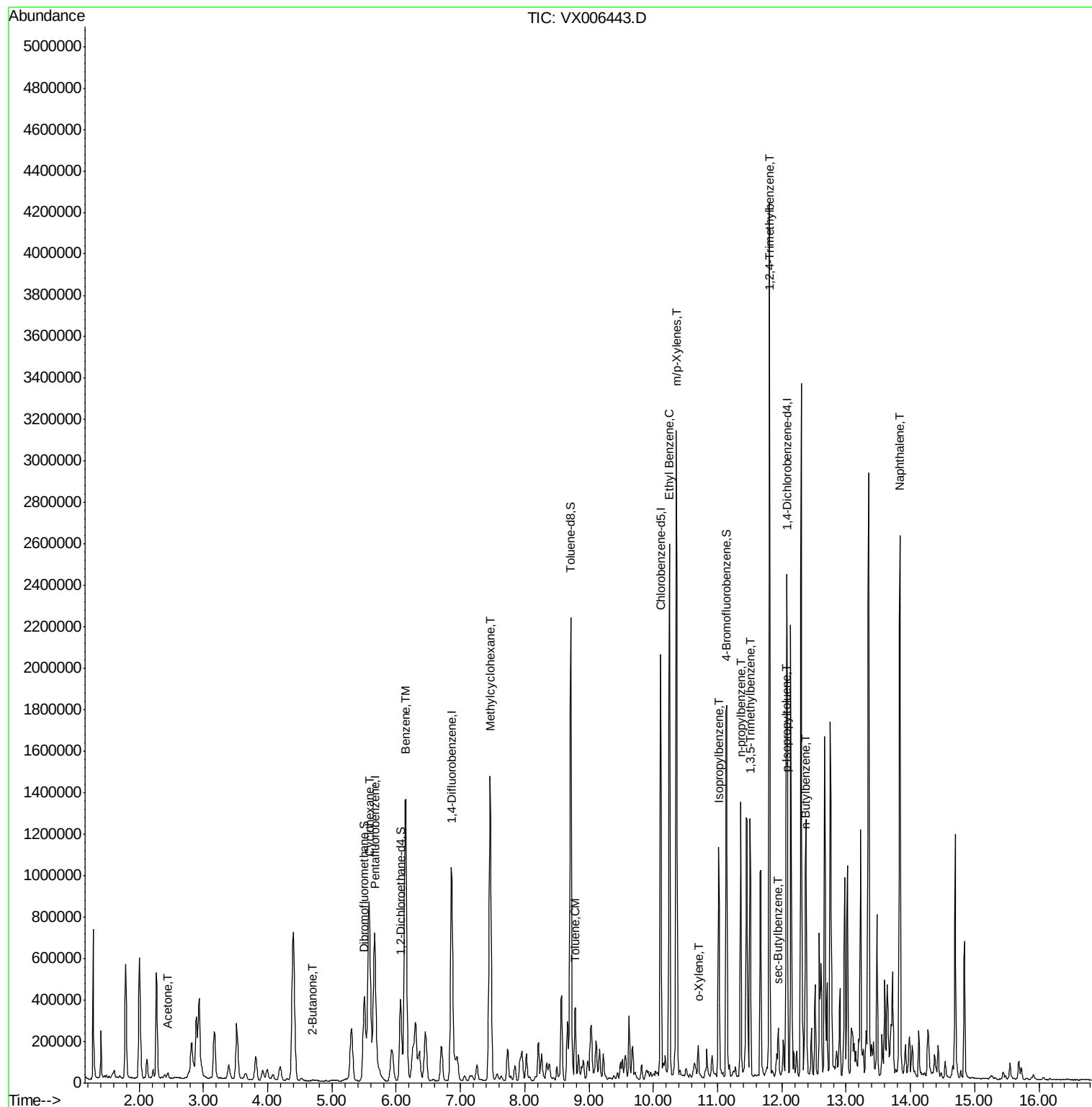
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	28685	8.133	ug/l	99
25) 2-Butanone	4.70	43	11948	2.374	ug/l	91
31) Cyclohexane	5.57	56	624750	57.538	ug/l	95
39) Methylcyclohexane	7.46	83	714699	58.102	ug/l	100
40) Benzene	6.15	78	1716209	60.467	ug/l	97
52) Toluene	8.79	92	136168	7.292	ug/l	100
67) Ethyl Benzene	10.25	91	1497234	41.274	ug/l	99
68) m/p-Xylenes	10.36	106	739005	50.857	ug/l	99
69) o-Xylene	10.70	106	37103	2.585	ug/l	99
73) Isopropylbenzene	11.02	105	578422	16.017	ug/l	100
78) n-propylbenzene	11.36	91	783797	19.526	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	539530	17.957	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1872096	60.341	ug/l	99
85) sec-Butylbenzene	11.94	105	113279	3.106	ug/l	98
86) p-Isopropyltoluene	12.06	119	131525	4.005	ug/l	97
89) n-Butylbenzene	12.38	91	188327	6.721	ug/l #	28
95) Naphthalene	13.83	128	1655619	41.222	ug/l	99

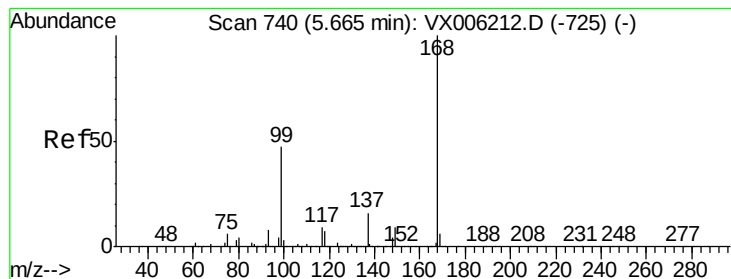
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

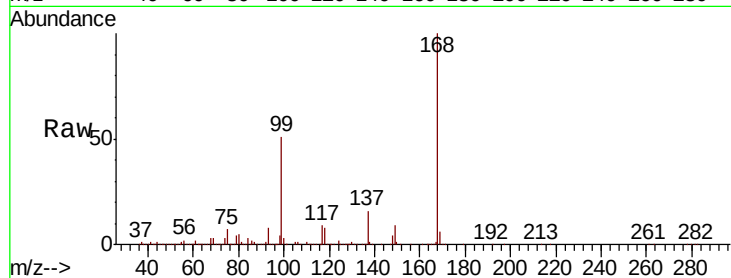
GW-121018DL

Tot Ion:168 Resp: 736247

Ion Ratio Lower Upper

168 100

99 50.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

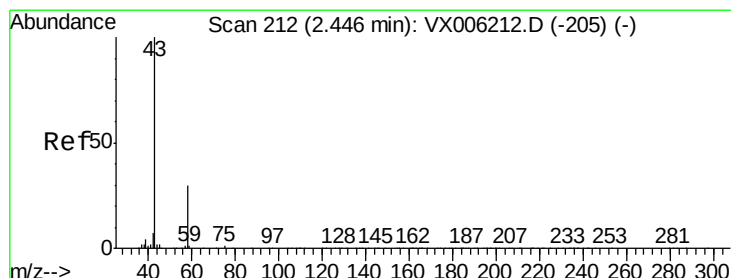
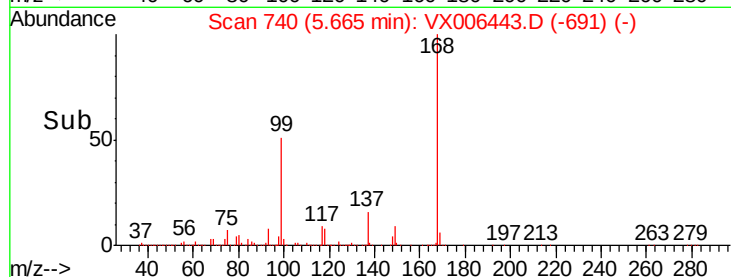
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 8.133 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006443.D

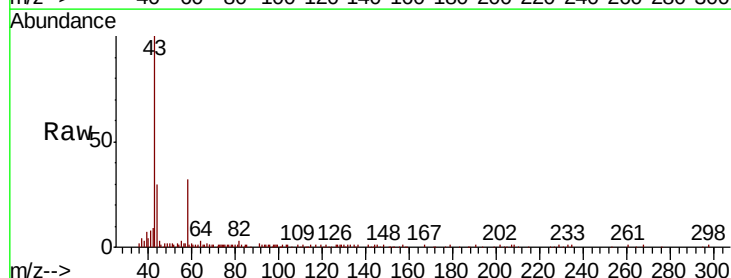
Acq: 12 Dec 2018 14:26

Tgt Ion: 43 Resp: 28685

Ion Ratio Lower Upper

43 100

58 30.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

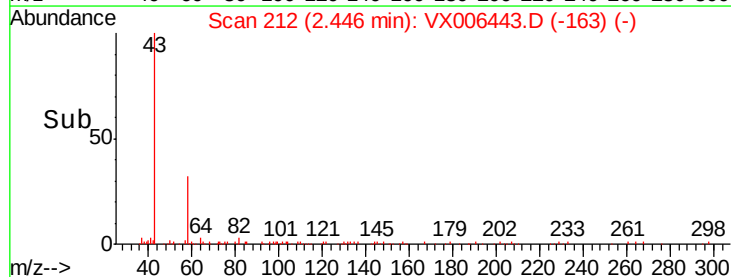
15000

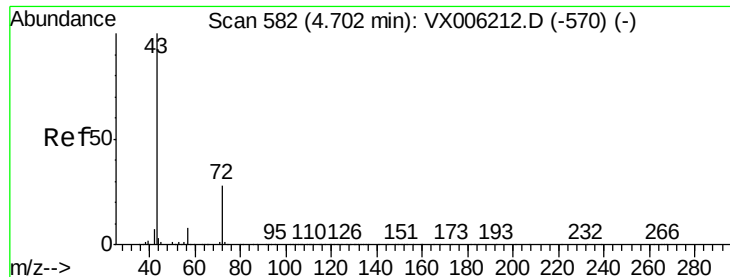
10000

5000

0

Time--> 2.40 2.45 2.50





#25

2-Butanone

Concen: 2.374 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

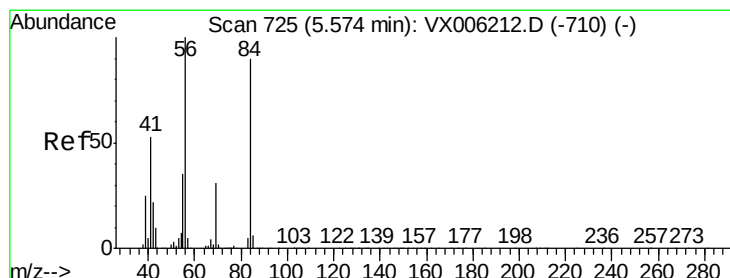
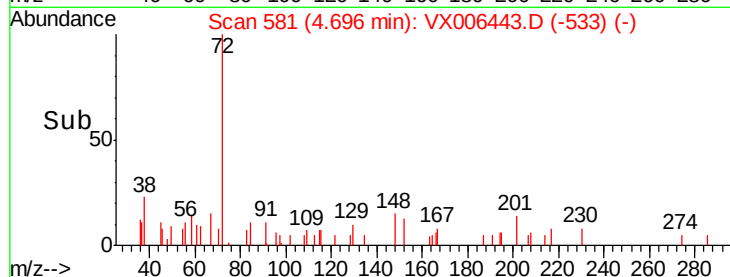
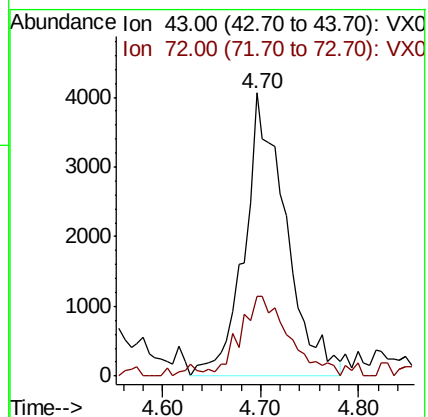
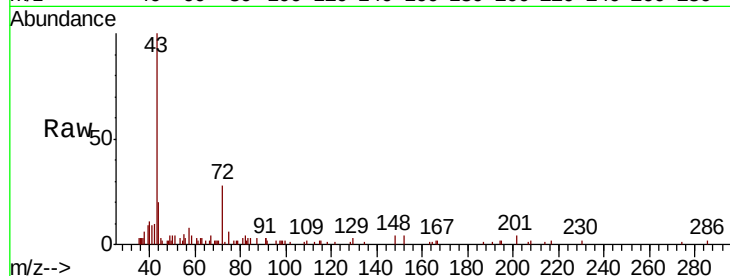
GW-121018DL

Tot Ion: 43 Resp: 11948

Ion Ratio Lower Upper

43 100

72 23.7 22.6 33.8



#31

Cyclohexane

Concen: 57.538 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

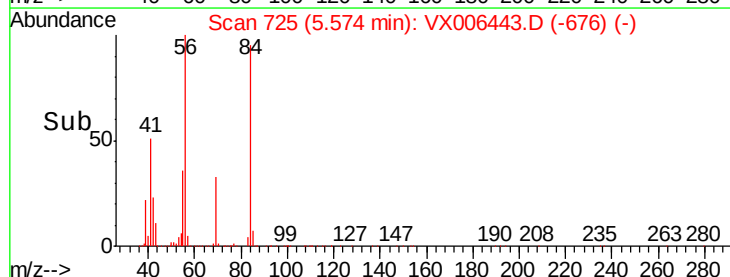
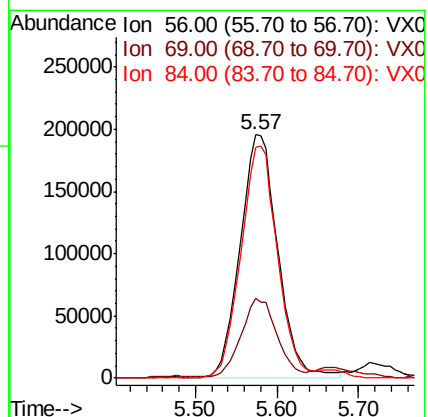
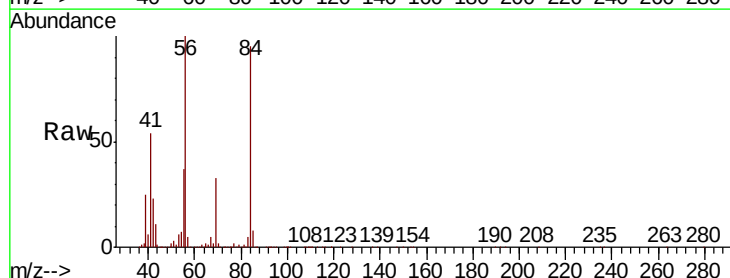
Tgt Ion: 56 Resp: 624750

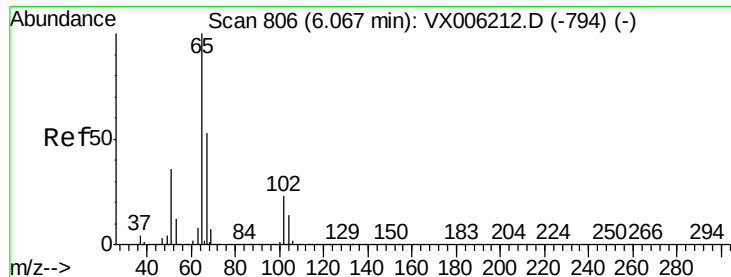
Ion Ratio Lower Upper

56 100

69 32.3 24.5 36.7

84 95.1 71.8 107.6

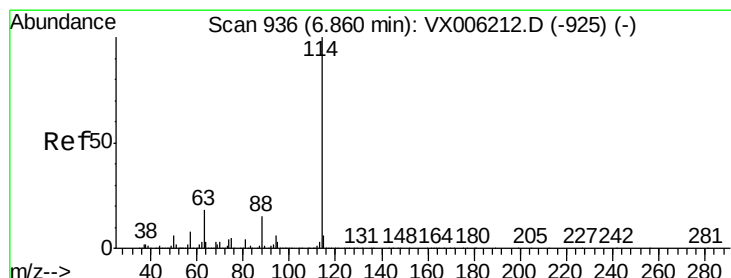
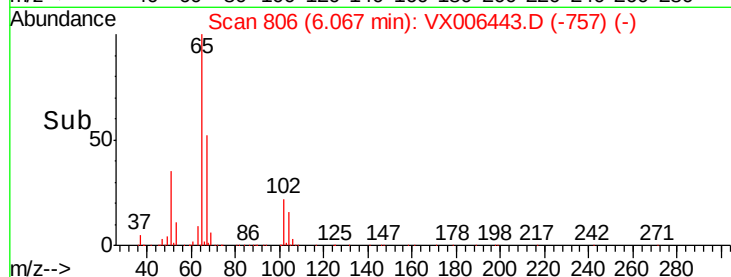
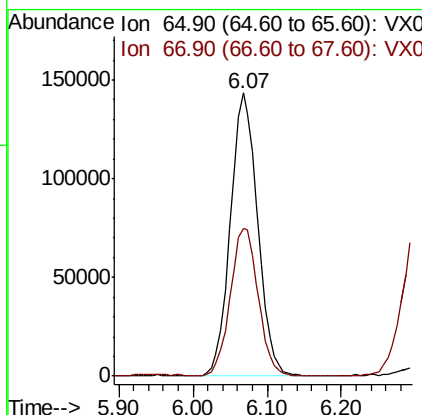
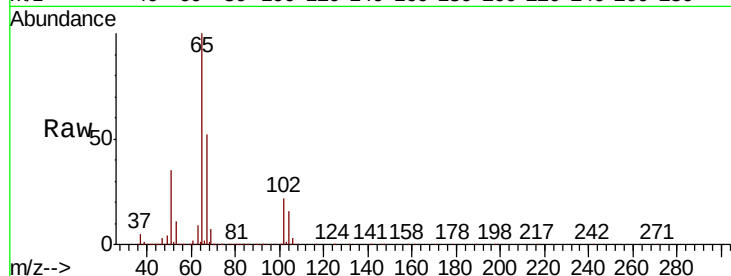




#33
 1,2-Dichloroethane-d4
 Concen: 48.865 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006443.D
 Acq: 12 Dec 2018 14:26

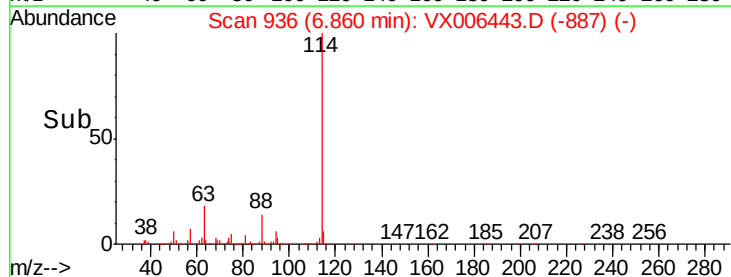
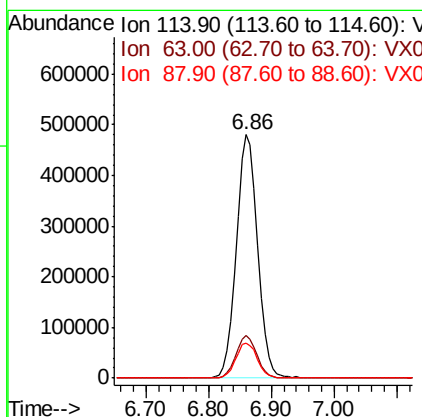
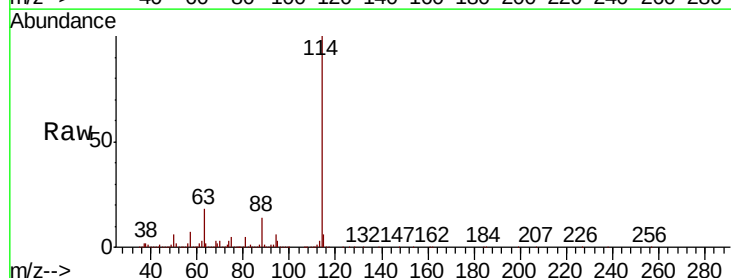
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-121018DL

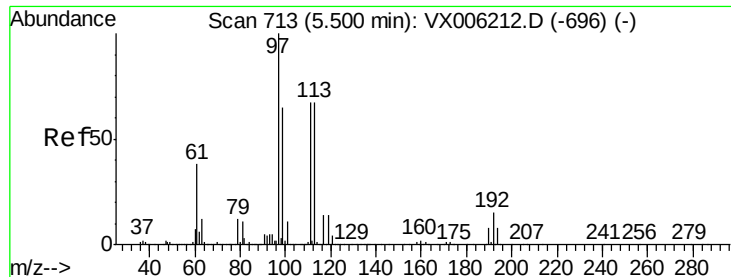
Tot Ion: 65 Resp: 367264
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006443.D
 Acq: 12 Dec 2018 14:26

Tgt Ion: 114 Resp: 1125319
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.6
 88 14.4 0.0 29.0

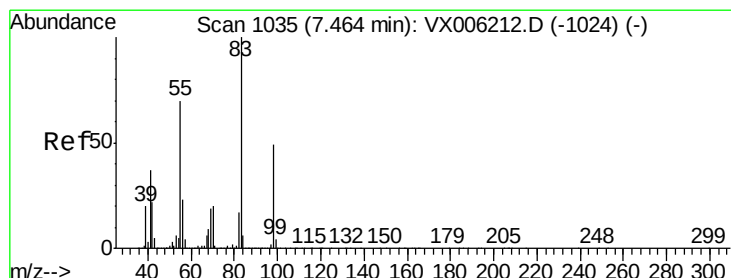
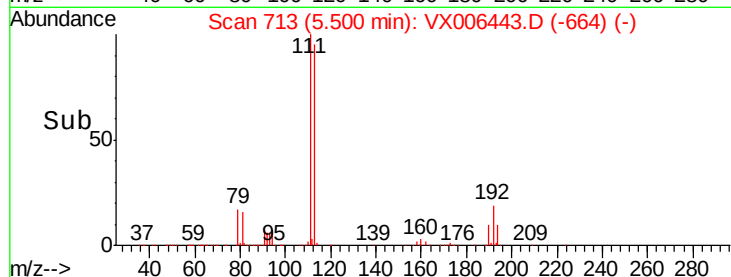
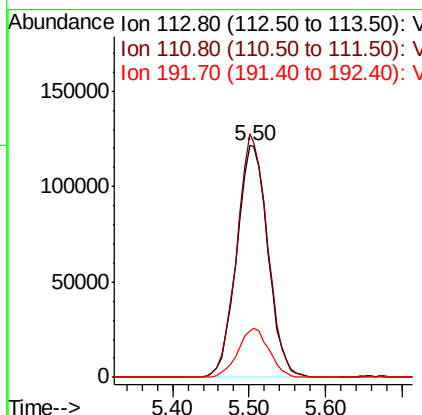
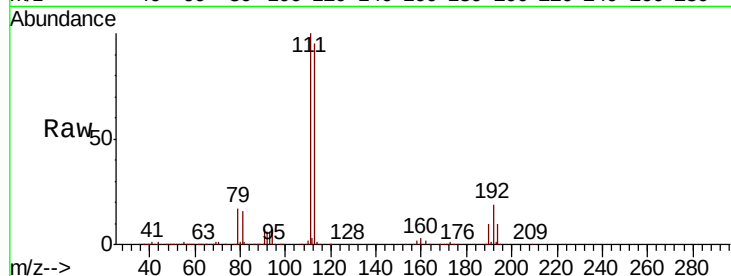




#35
Dibromofluoromethane
Concen: 47.177 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX006443.D
Acq: 12 Dec 2018 14:26

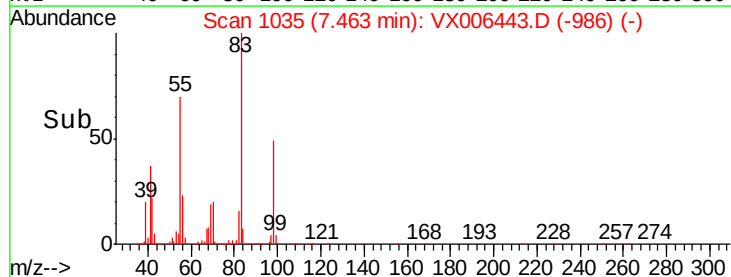
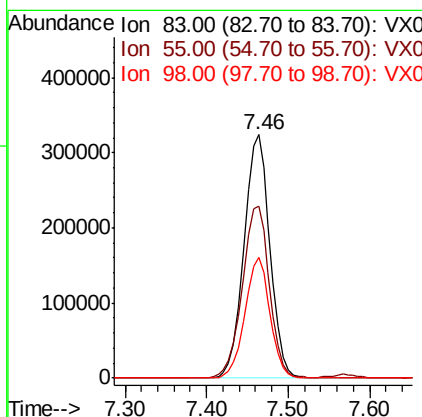
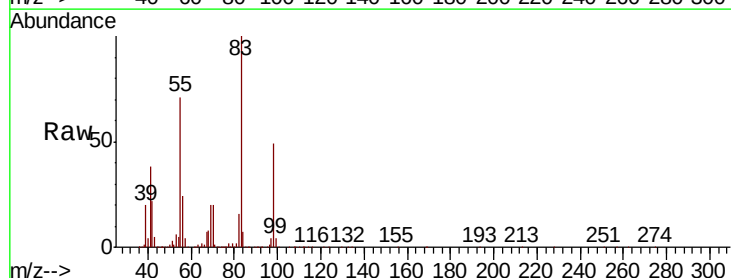
Instrument :
MSVOA_X
ClientSampleId :
GW-121018DL

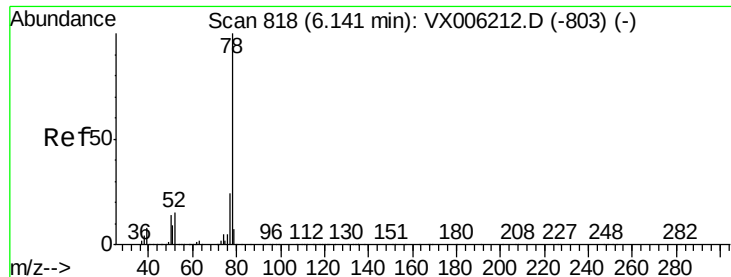
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	21.1	18.2	27.2



#39
Methylcyclohexane
Concen: 58.102 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006443.D
Acq: 12 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.7	56.4	84.6
98	49.3	39.0	58.6





#40

Benzene

Concen: 60.467 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

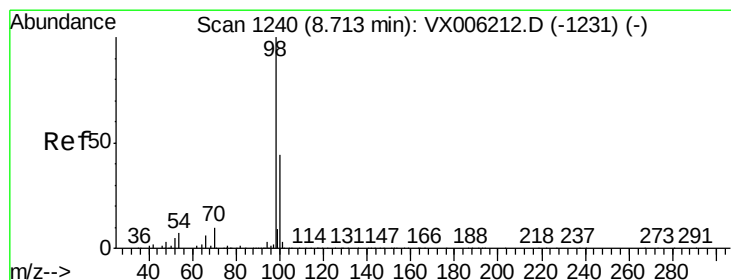
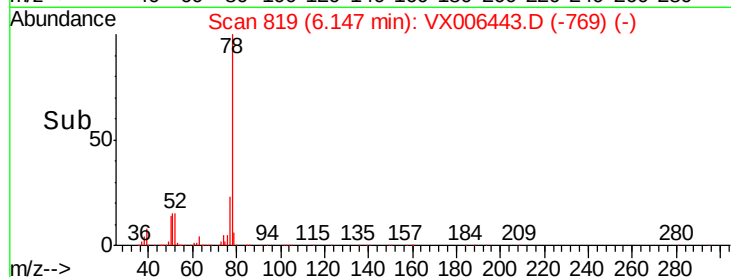
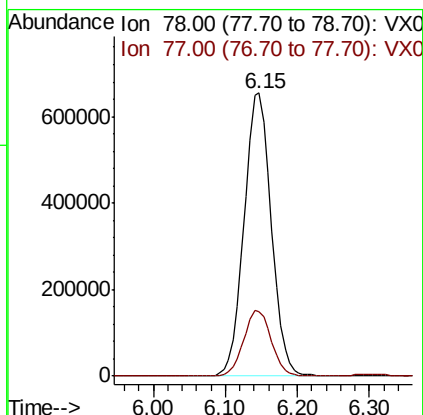
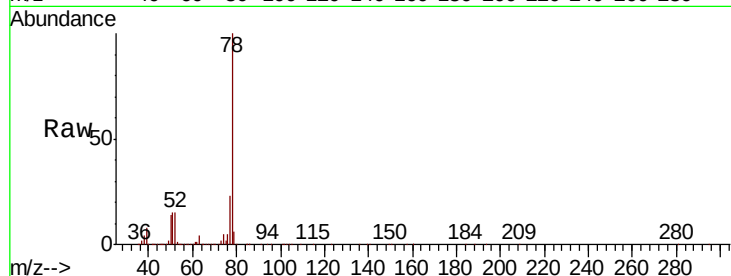
GW-121018DL

Tot Ion: 78 Resp: 1716209

Ion Ratio Lower Upper

78 100

77 22.7 19.2 28.8



#50

Toluene-d8

Concen: 49.735 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006443.D

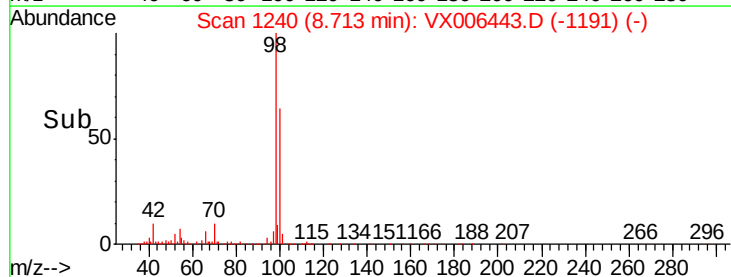
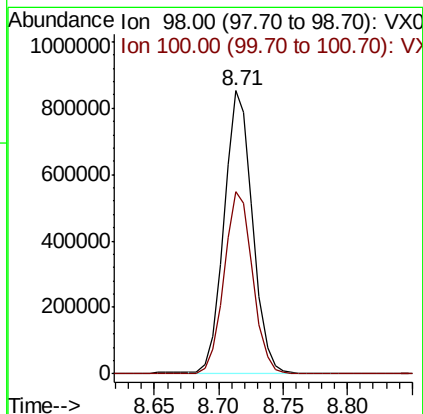
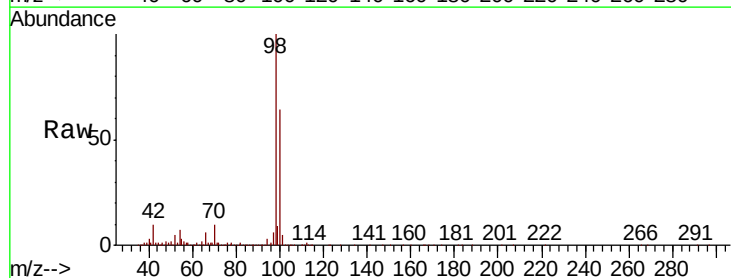
Acq: 12 Dec 2018 14:26

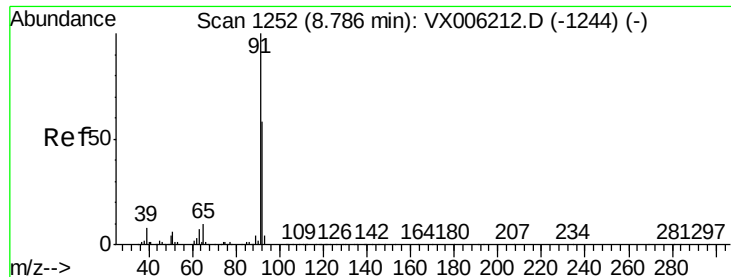
Tgt Ion: 98 Resp: 1318078

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2





#52

Toluene

Concen: 7.292 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

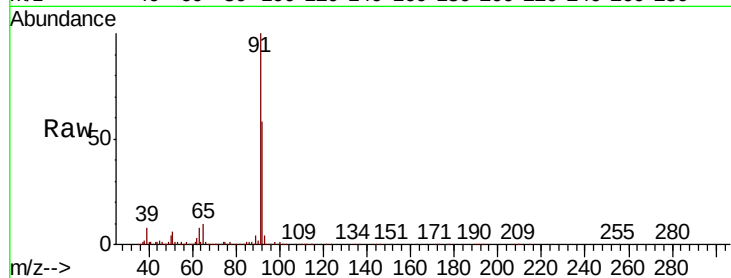
GW-121018DL

Tot Ion: 92 Resp: 136168

Ion Ratio Lower Upper

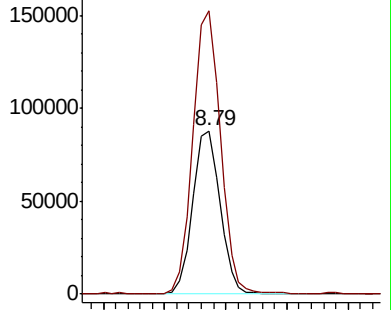
92 100

91 174.4 139.2 208.8

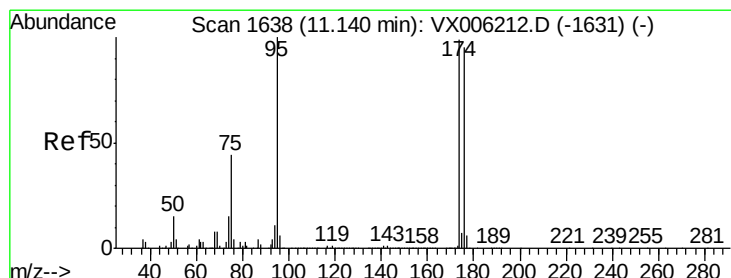
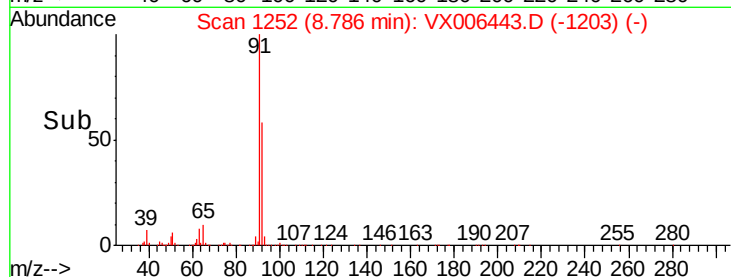


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.75 8.80 8.85 8.90



#62

4-Bromofluorobenzene

Concen: 49.141 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

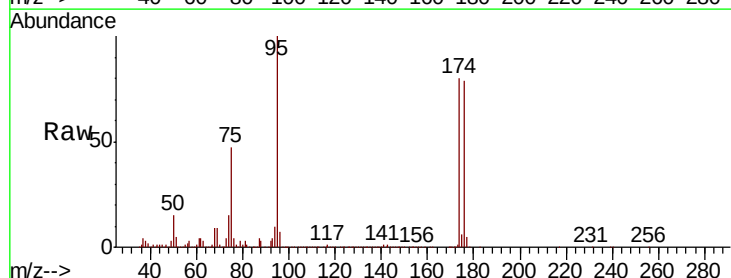
Tgt Ion: 95 Resp: 490763

Ion Ratio Lower Upper

95 100

174 89.5 0.0 187.0

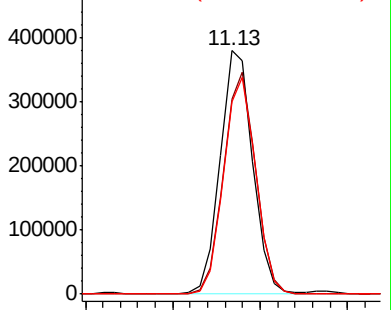
176 87.7 0.0 181.8



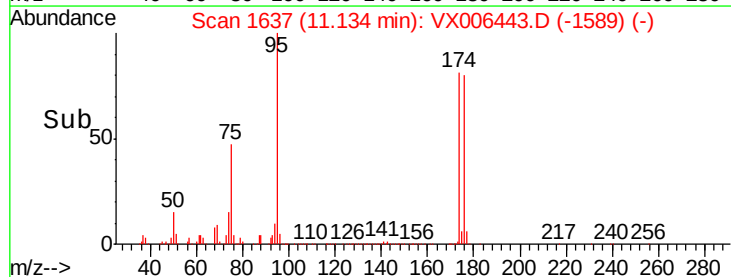
Abundance Ion 94.90 (94.60 to 95.60): VX0

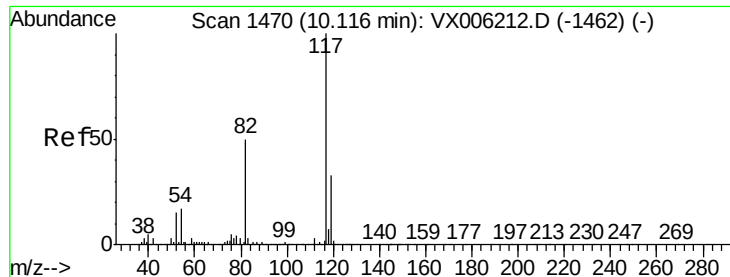
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 11.05 11.10 11.15 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

GW-121018DL

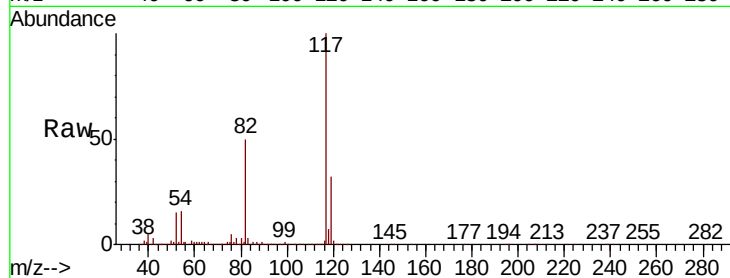
Tot Ion:117 Resp: 1027462

Ion Ratio Lower Upper

117 100

82 50.2 39.6 59.4

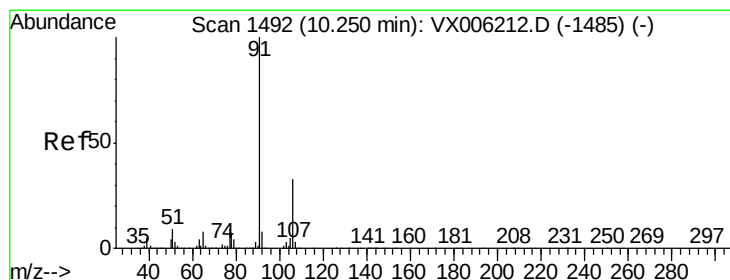
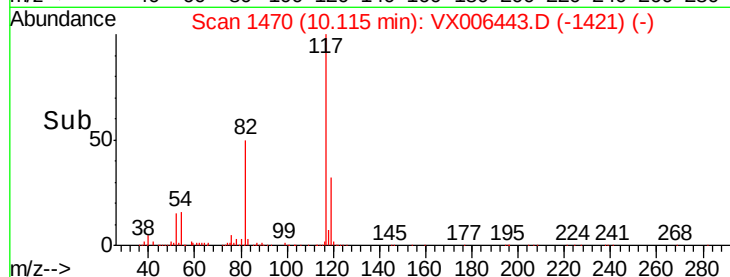
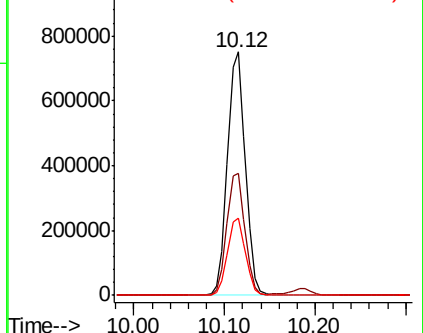
119 31.5 26.3 39.5



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: 41.274 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006443.D

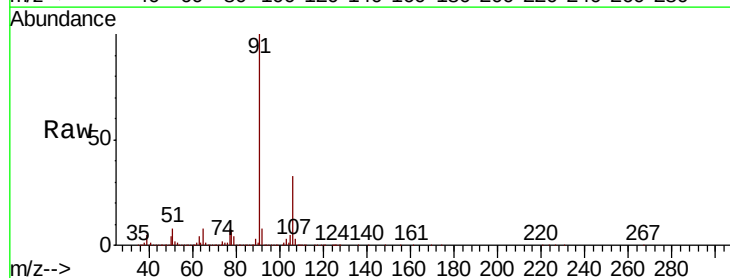
Acq: 12 Dec 2018 14:26

Tgt Ion: 91 Resp: 1497234

Ion Ratio Lower Upper

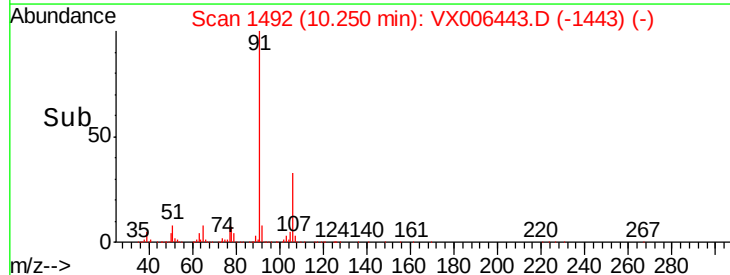
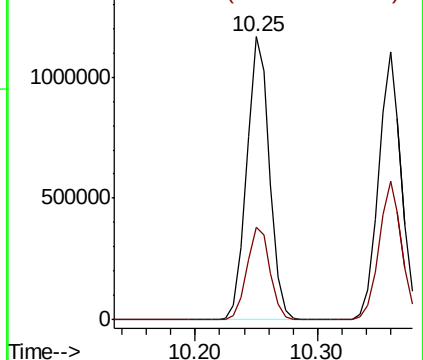
91 100

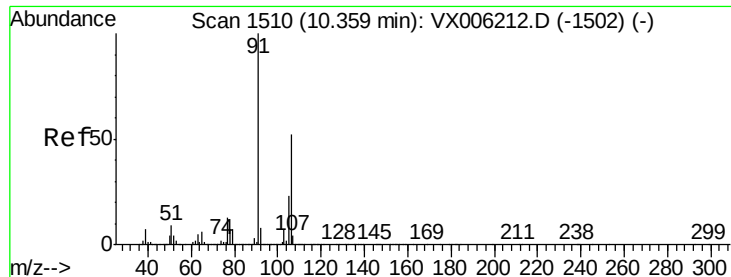
106 32.6 26.5 39.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

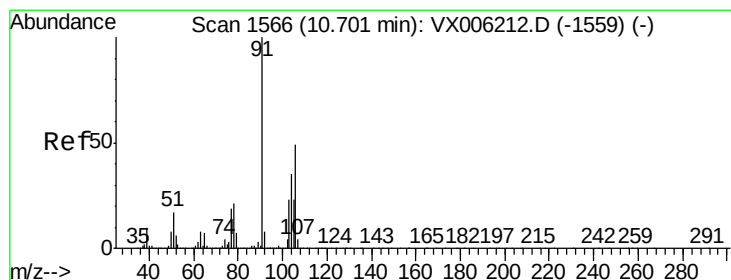
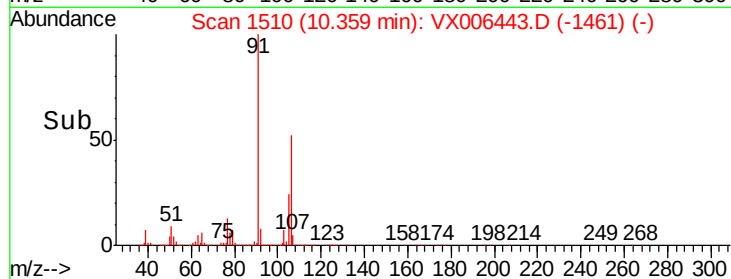
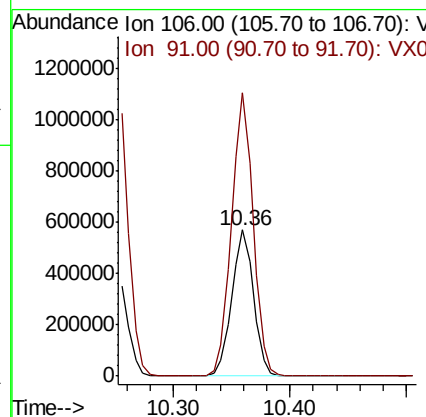
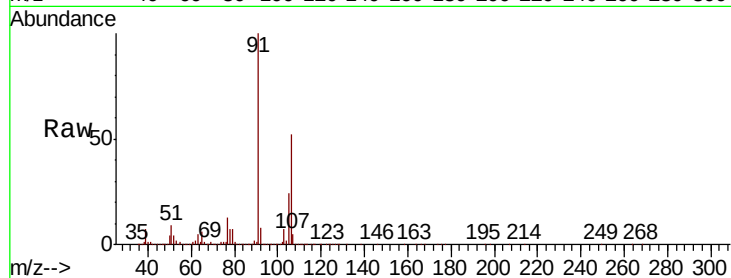




#68
m/p-Xylenes
Concen: 50.857 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006443.D
Acq: 12 Dec 2018 14:26

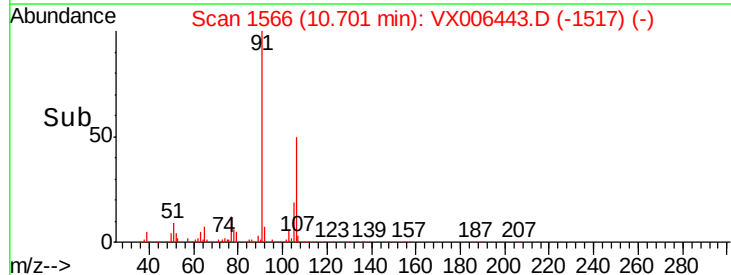
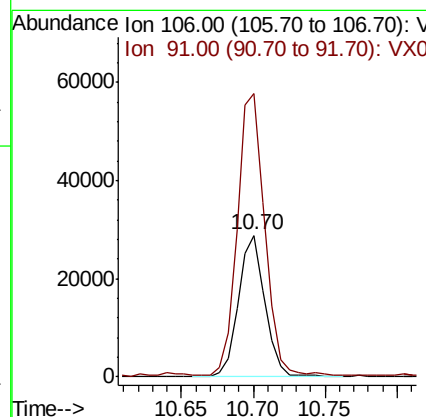
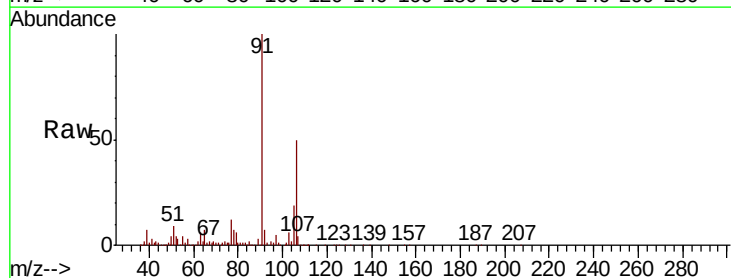
Instrument :
MSVOA_X
ClientSampleId :
GW-121018DL

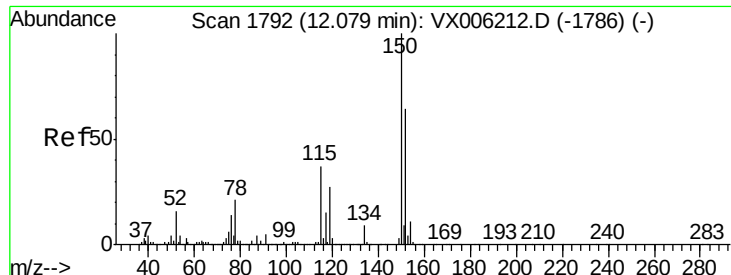
Tot Ion:106 Resp: 739005
Ion Ratio Lower Upper
106 100
91 192.5 155.2 232.8



#69
o-Xylene
Concen: 2.585 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006443.D
Acq: 12 Dec 2018 14:26

Tgt Ion:106 Resp: 37103
Ion Ratio Lower Upper
106 100
91 204.8 101.8 305.6

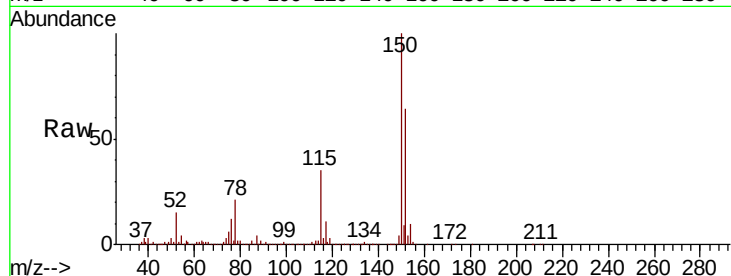




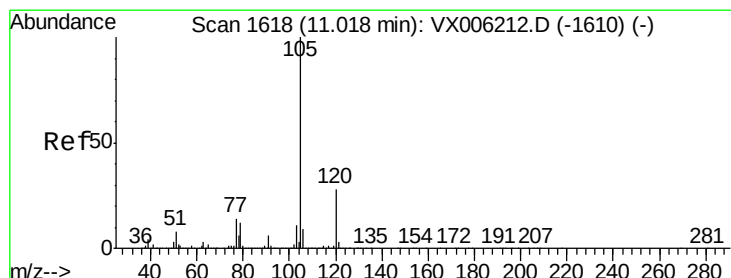
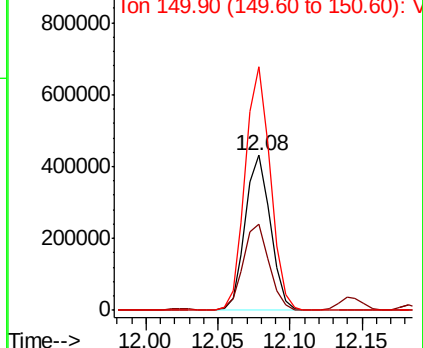
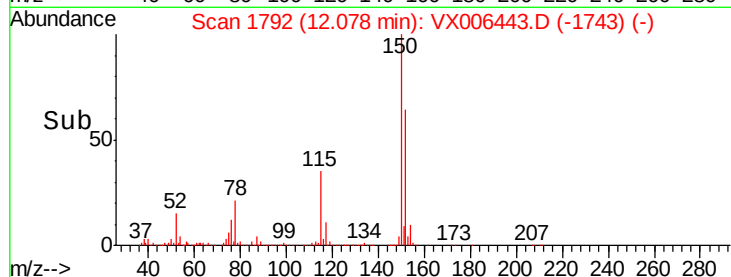
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX006443.D
 Acq: 12 Dec 2018 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-121018DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	39.0	116.9
150	156.4	0.0	345.8

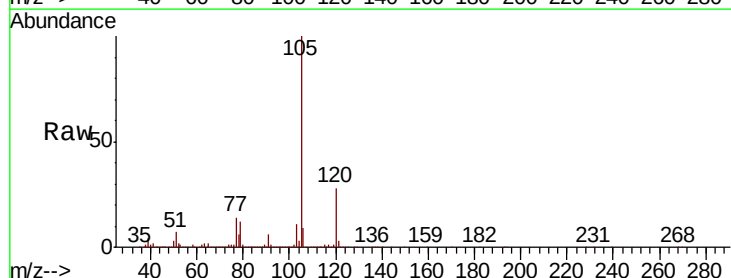


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

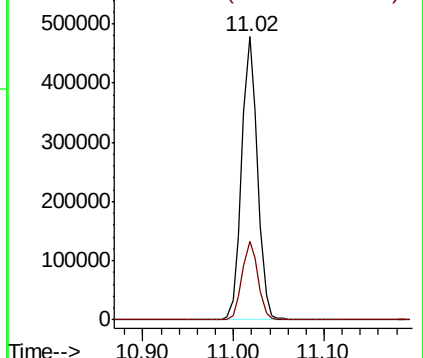
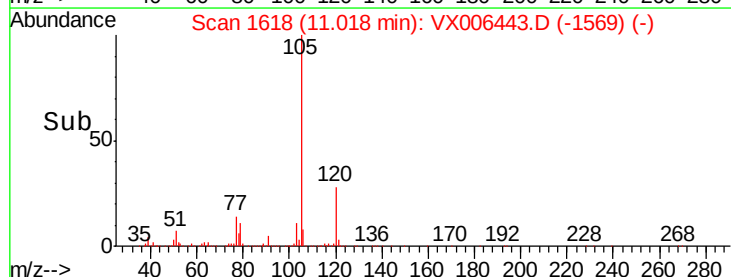


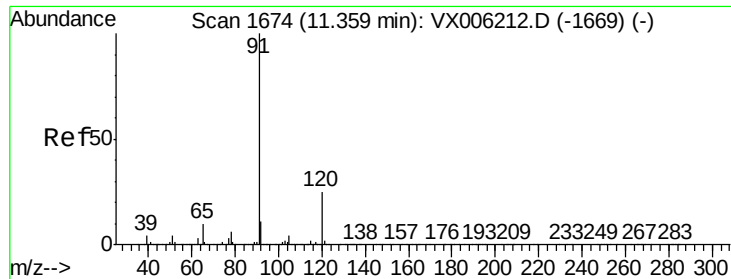
#73
 Isopropylbenzene
 Concen: 16.017 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: VX006443.D
 Acq: 12 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	14.1	42.3



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





#78

n-propylbenzene

Concen: 19.526 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

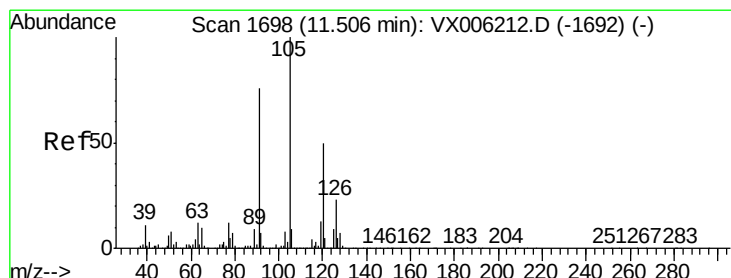
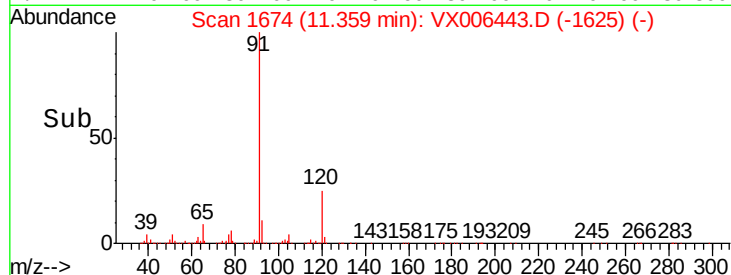
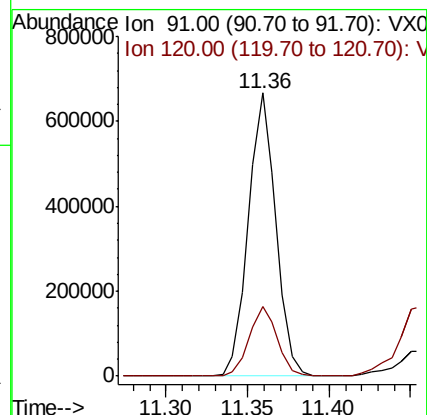
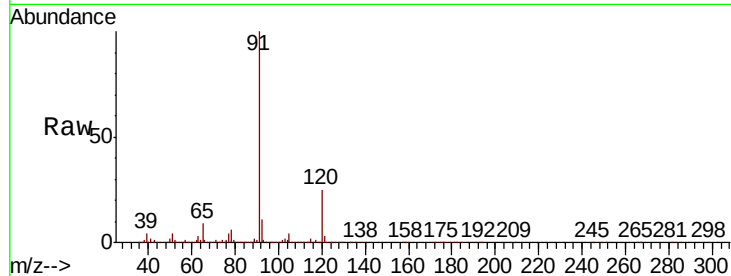
GW-121018DL

Tot Ion: 91 Resp: 783797

Ion Ratio Lower Upper

91 100

120 25.2 12.7 38.0



#80

1,3,5-Trimethylbenzene

Concen: 17.957 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006443.D

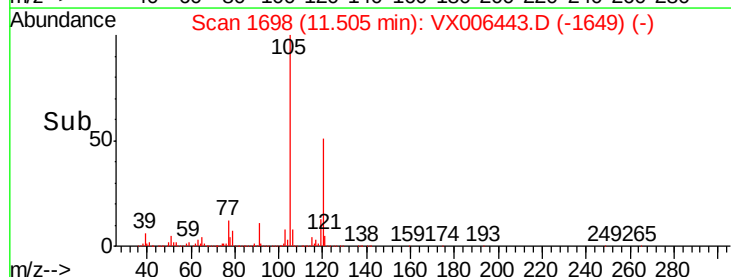
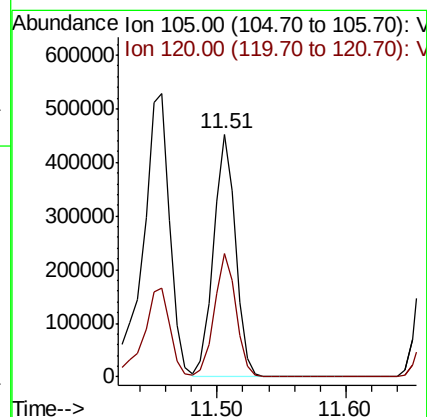
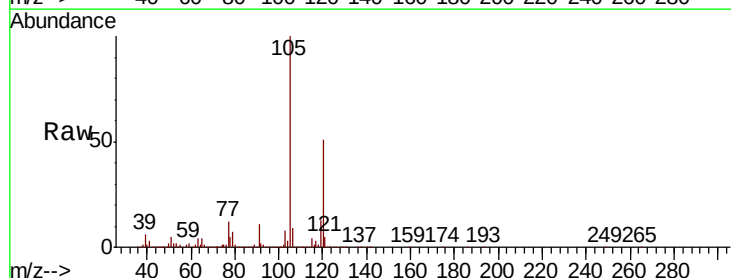
Acq: 12 Dec 2018 14:26

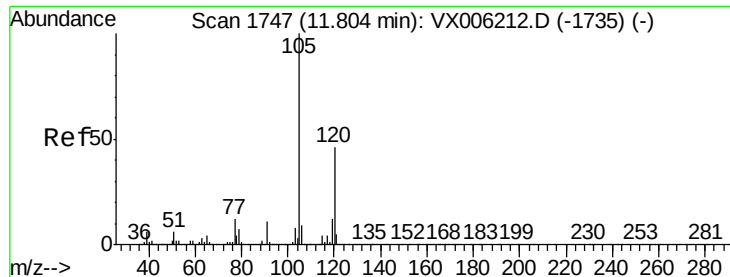
Tgt Ion: 105 Resp: 539530

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.0





#84

1,2,4-Trimethylbenzene

Concen: 60.341 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006443.D

Acq: 12 Dec 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

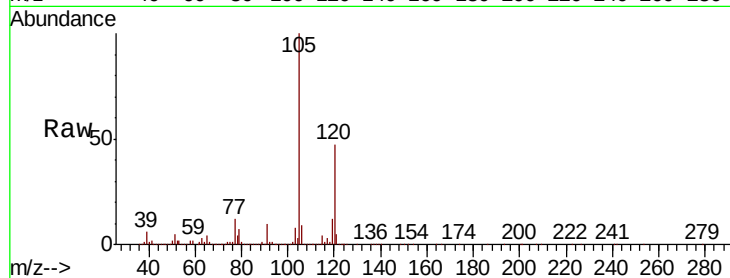
GW-121018DL

Tot Ion:105 Resp: 1872096

Ion Ratio Lower Upper

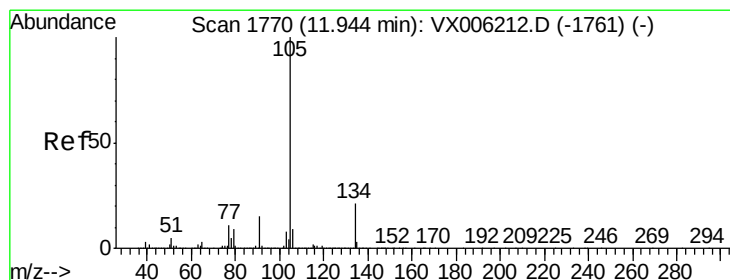
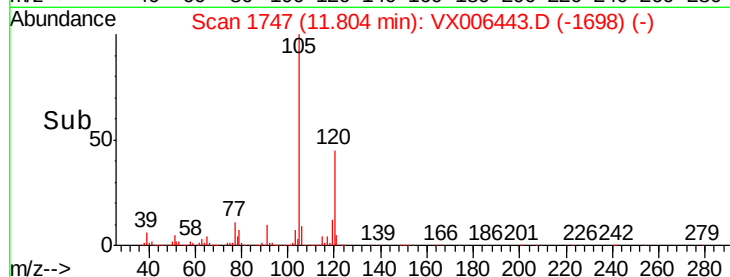
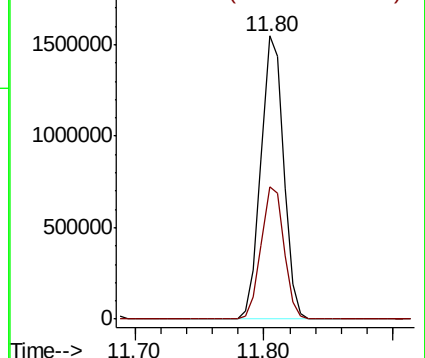
105 100

120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 3.106 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006443.D

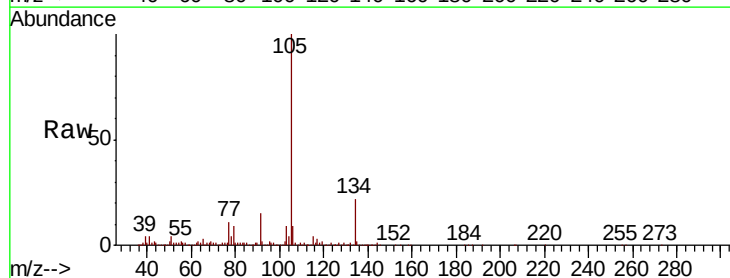
Acq: 12 Dec 2018 14:26

Tgt Ion:105 Resp: 113279

Ion Ratio Lower Upper

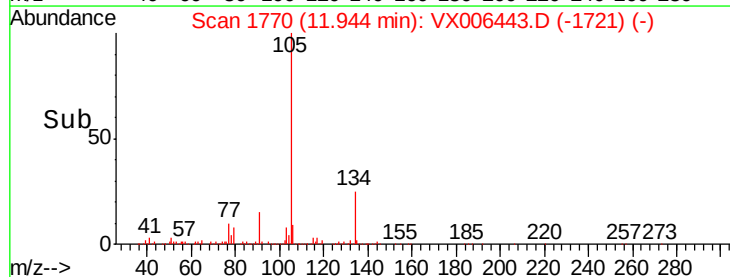
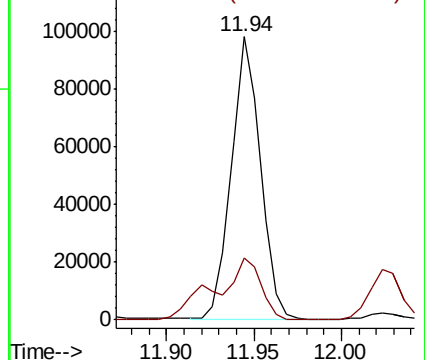
105 100

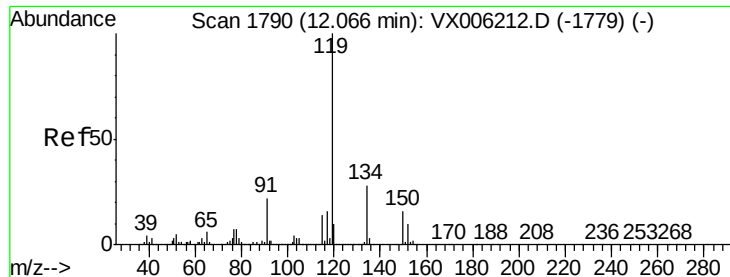
134 20.5 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

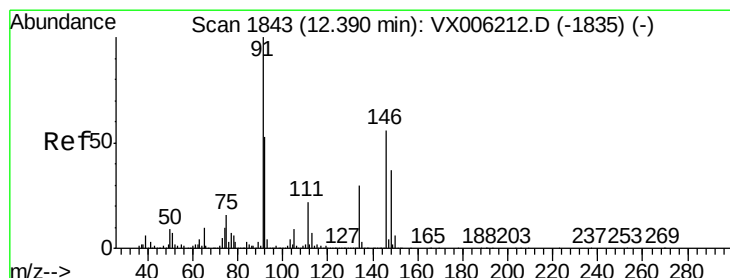
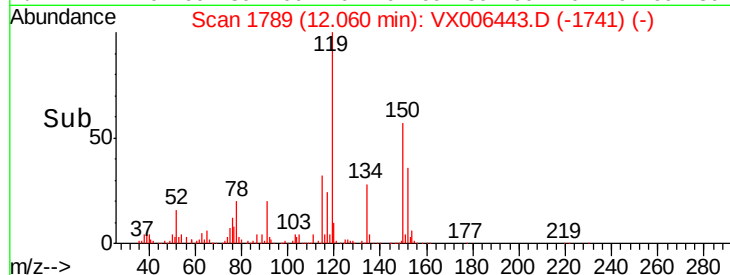
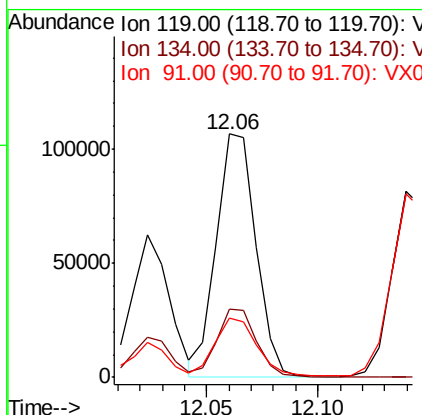
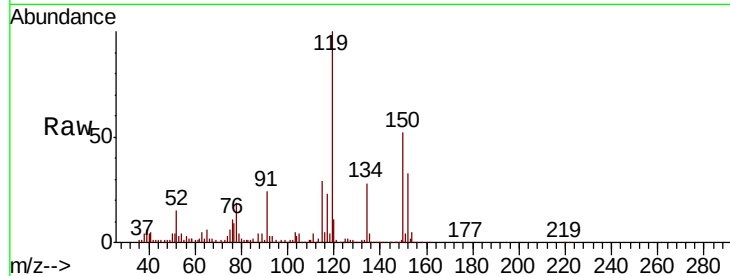




#86
 p-Isopropyltoluene
 Concen: 4.005 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006443.D
 Acq: 12 Dec 2018 14:26

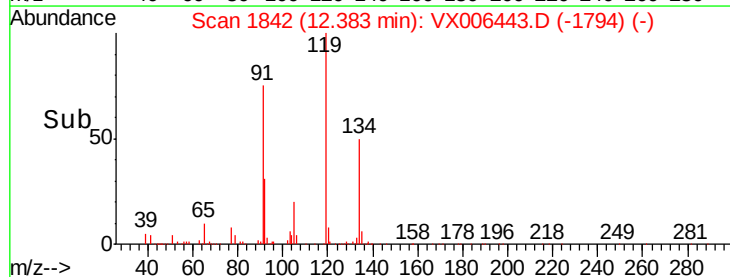
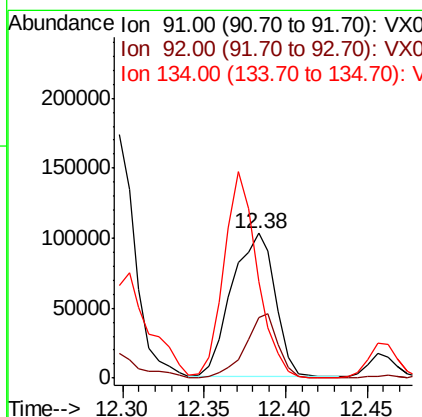
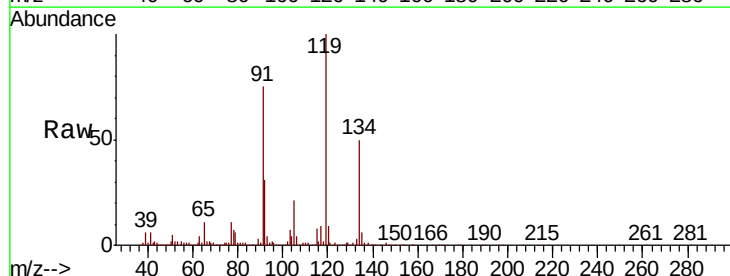
Instrument :
 MSVOA_X
 ClientSampleID :
 GW-121018DL

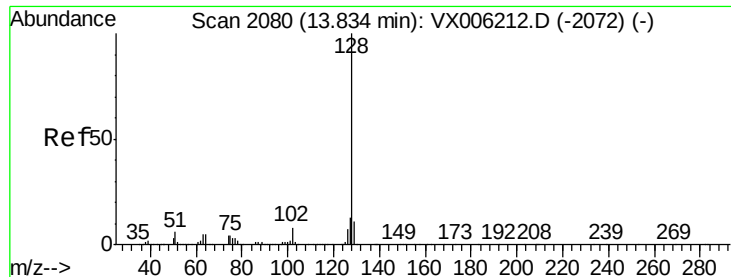
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.9	41.6
91	25.2	11.3	33.8



#89
 n-Butylbenzene
 Concen: 6.721 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX006443.D
 Acq: 12 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	33.5	26.6	79.8
134	111.8	14.8	44.3





#95
Naphthalene
Concen: 41.222 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006443.D
Acq: 12 Dec 2018 14:26

Instrument :
MSVOA_X
ClientSampleId :
GW-121018DL

Tot Ion:128 Resp: 1655619
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.5 8.9 13.3

