

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007966.D
 Acq On : 11 Mar 2019 13:04
 Operator : JC/SP
 Sample : K1812-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAR)

Quant Time: Mar 12 08:32:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	41467	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	217834	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	193519	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	81163	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	11.13	95	87346	28.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.27%
63) Toluene-d8	8.71	98	258122	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%

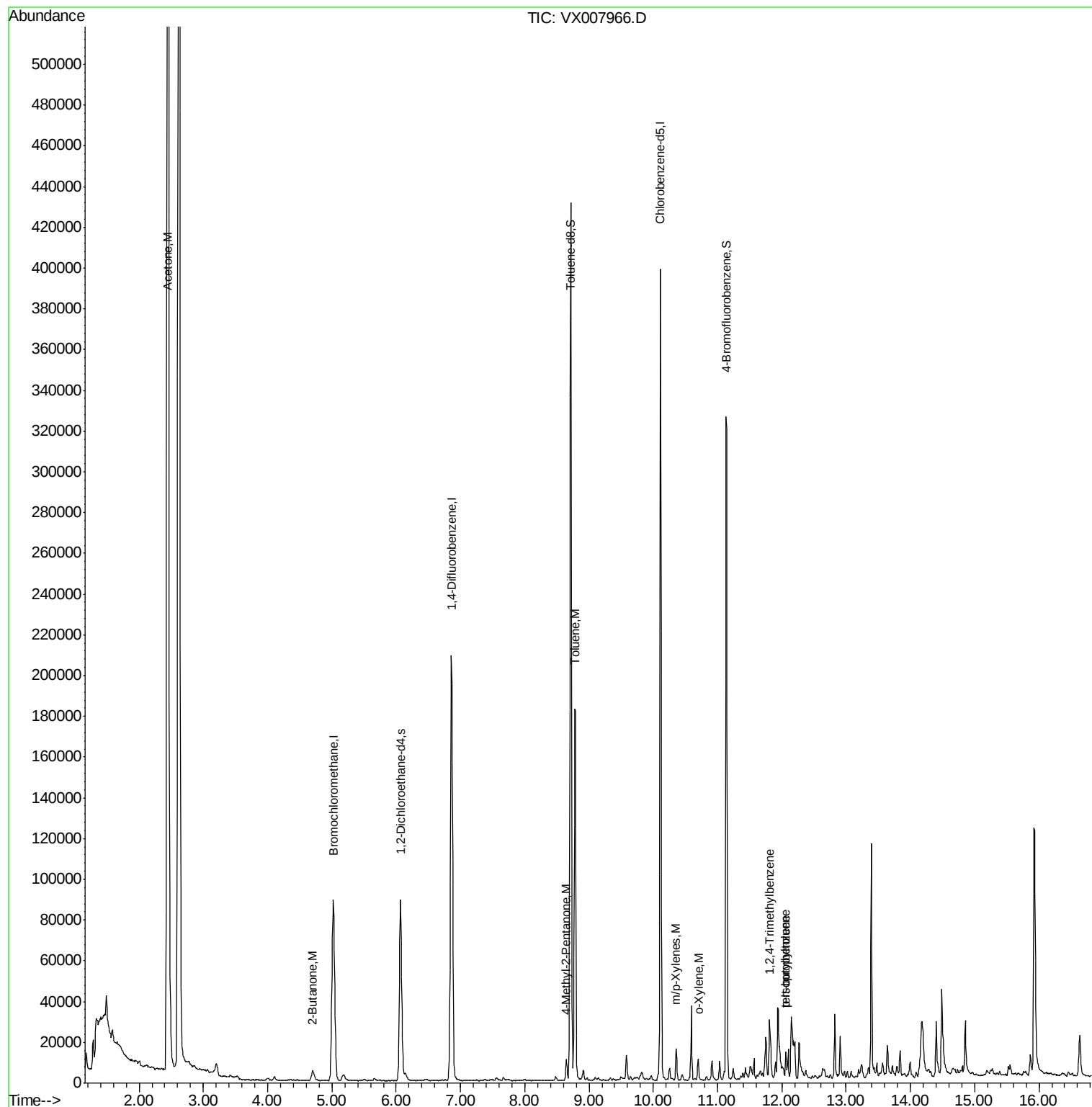
Target Compounds					Qvalue
15) Acetone	2.45	58	512494	878.715	ug/l 97
30) 2-Butanone	4.70	43	9137	3.922	ug/l 99
58) 4-Methyl-2-Pentanone	8.65	43	6512	1.634	ug/l 98
62) Toluene	8.79	91	122465	10.838	ug/l 100
67) m/p-Xylenes	10.36	106	4125	0.886	ug/l 99
68) o-Xylene	10.69	106	2208	0.489	ug/l 95
79) tert-butylbenzene	12.06	119	5298	0.493	ug/l 98
80) 1,2,4-Trimethylbenzene	11.80	105	8965	0.883	ug/l 61
82) p-Isopropyltoluene	12.06	119	5298	0.493	ug/l 98

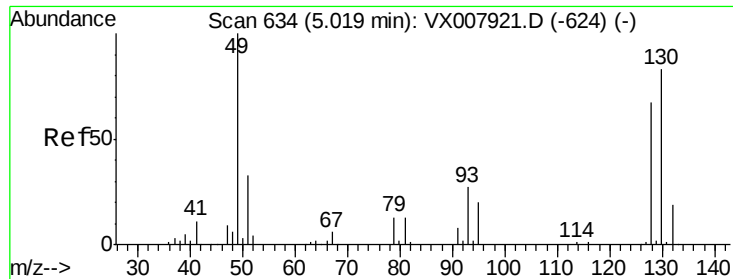
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007966.D

Acq: 11 Mar 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAR)

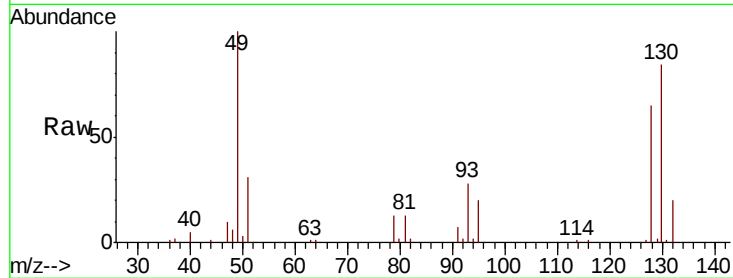
Tgt Ion:128 Resp: 41467

Ion Ratio Lower Upper

128 100

49 153.6 0.0 350.8

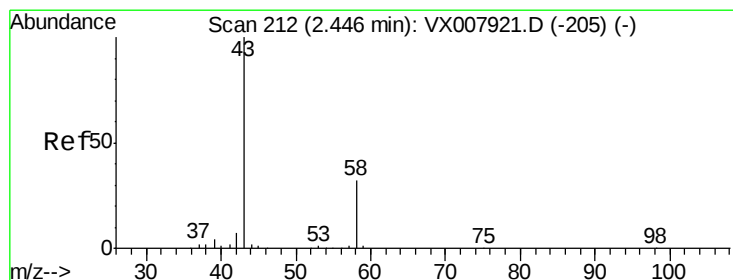
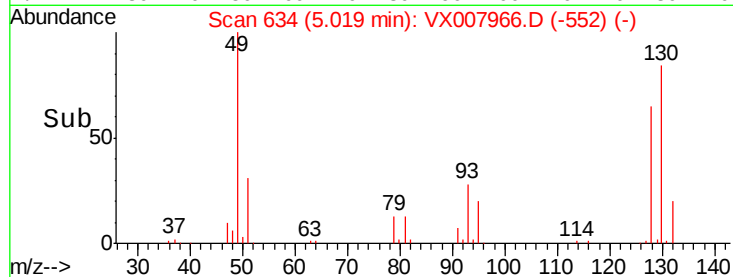
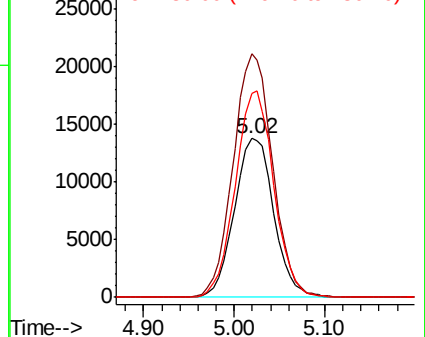
130 127.5 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 878.715 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007966.D

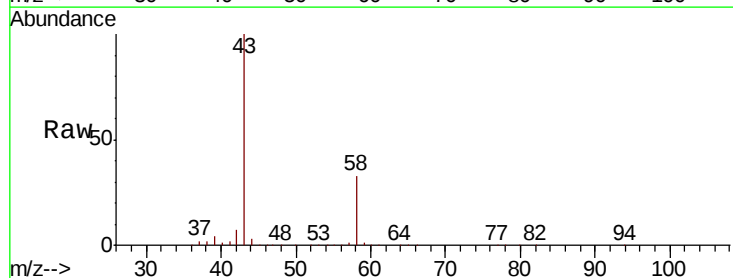
Acq: 11 Mar 2019 13:04

Tgt Ion: 58 Resp: 512494

Ion Ratio Lower Upper

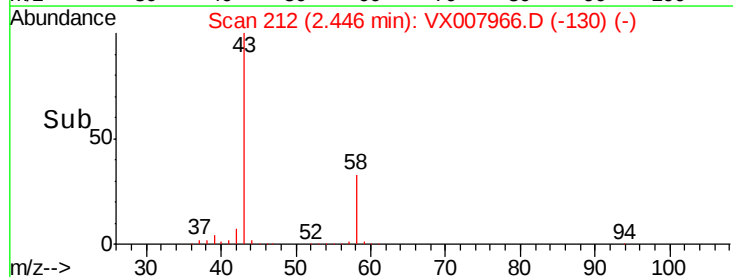
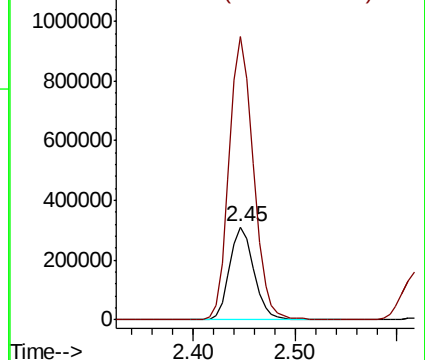
58 100

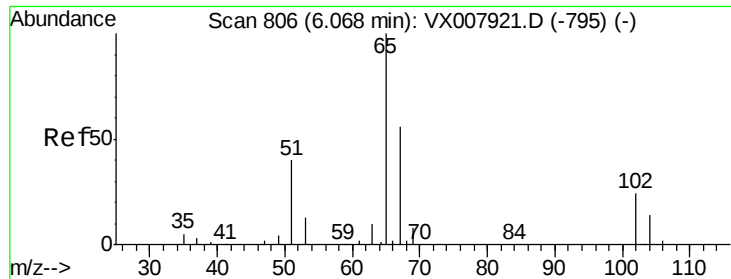
43 305.3 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.778 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007966.D

Acq: 11 Mar 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

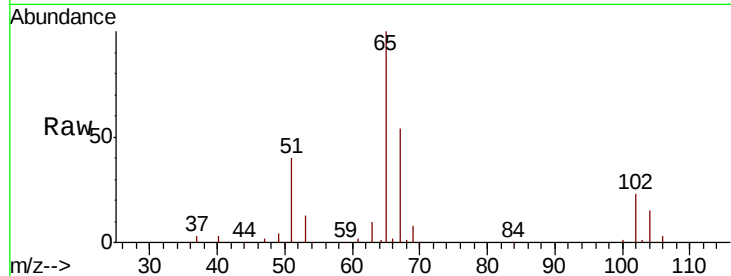
002M-35TH-AVE(MAR)

Tgt Ion: 65 Resp: 81163

Ion Ratio Lower Upper

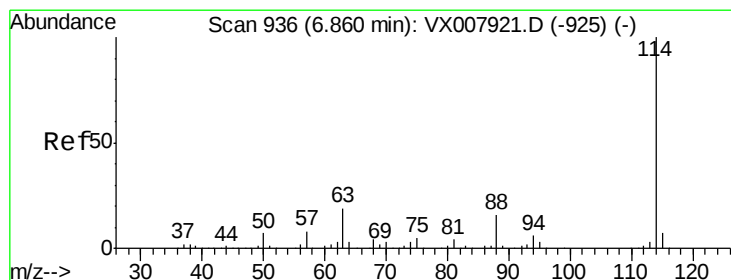
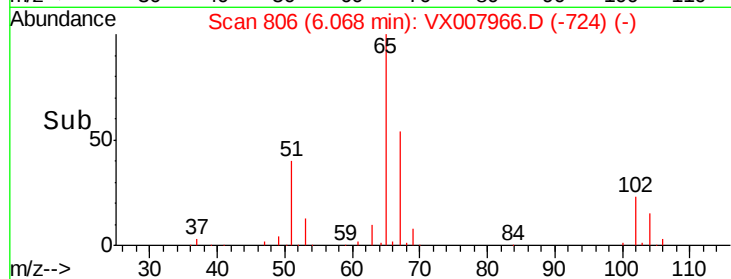
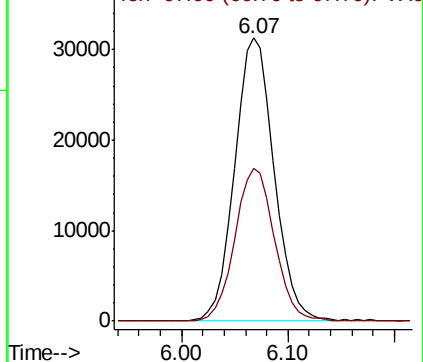
65 100

67 54.2 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007966.D

Acq: 11 Mar 2019 13:04

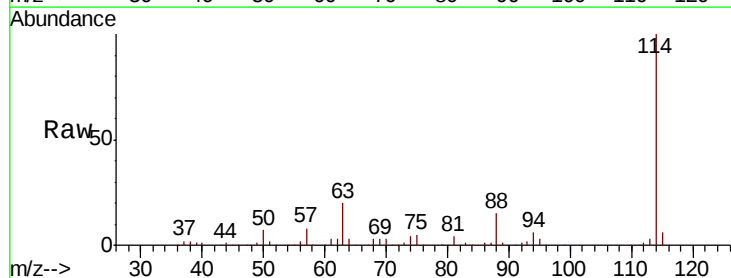
Tgt Ion: 114 Resp: 217834

Ion Ratio Lower Upper

114 100

63 19.6 14.2 21.4

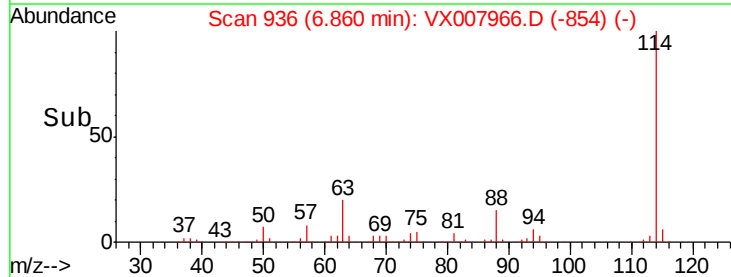
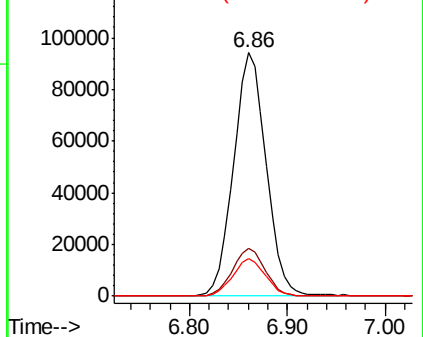
88 15.3 11.9 17.9

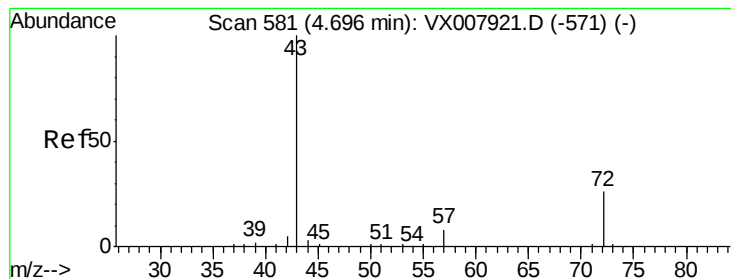


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#30

2-Butanone

Concen: 3.922 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007966.D

Acq: 11 Mar 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAR)

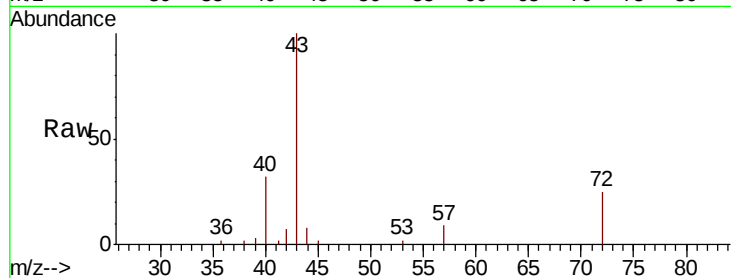
Tgt Ion: 43 Resp: 9137

Ion Ratio Lower Upper

43 100

57 8.7 7.0 10.6

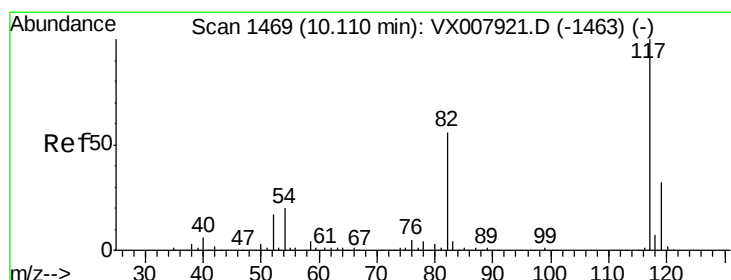
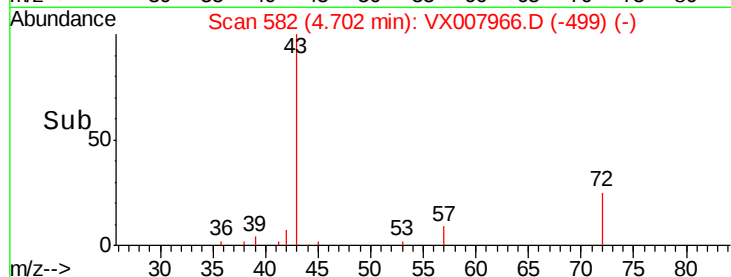
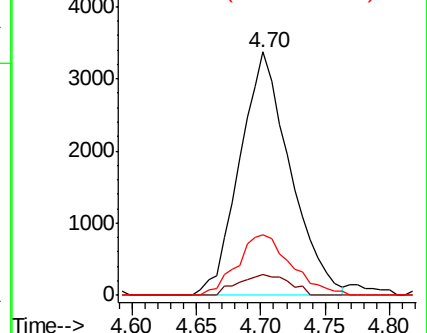
72 26.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007966.D

Acq: 11 Mar 2019 13:04

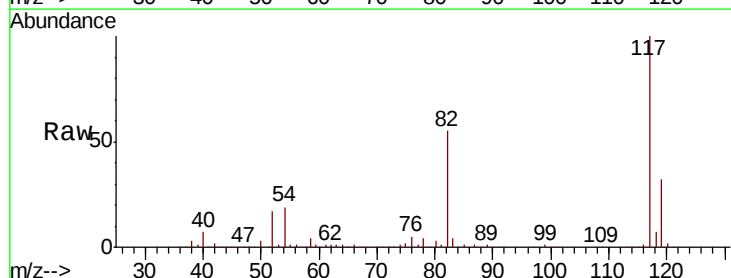
Tgt Ion: 117 Resp: 193519

Ion Ratio Lower Upper

117 100

82 53.1 40.4 60.6

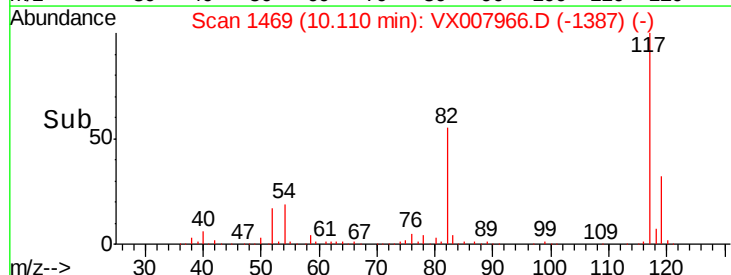
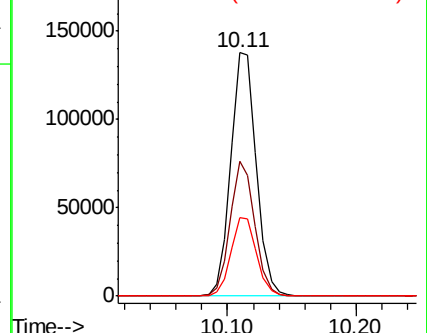
119 32.4 25.8 38.6

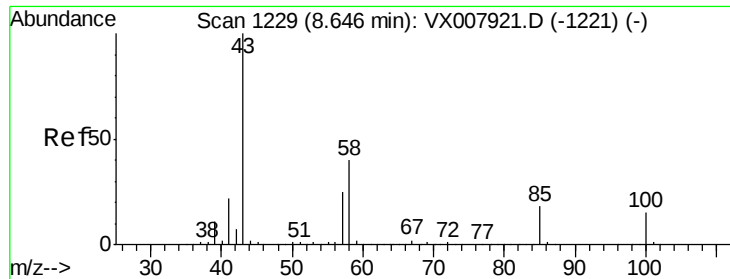


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

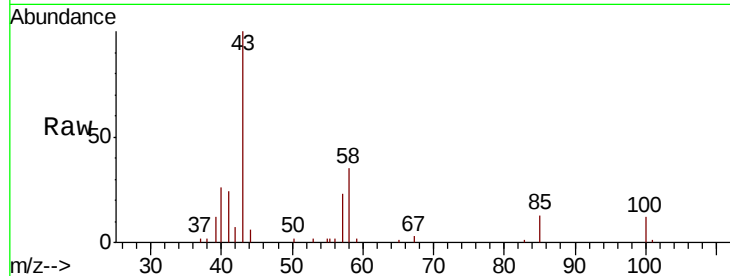




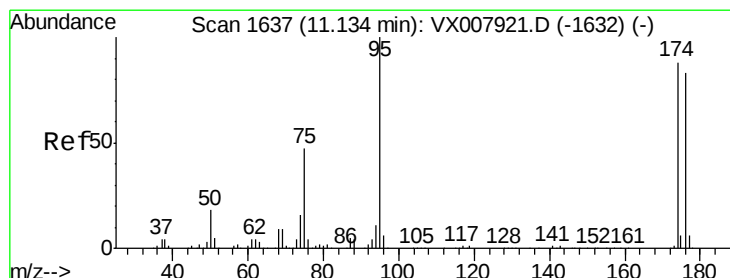
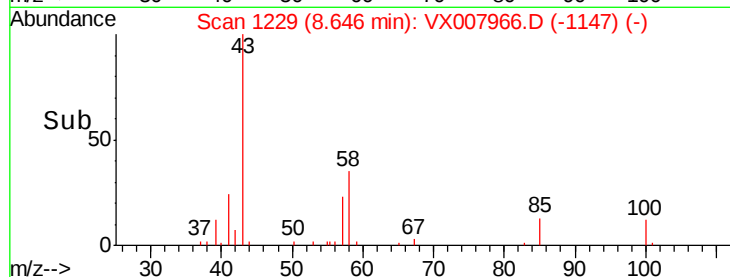
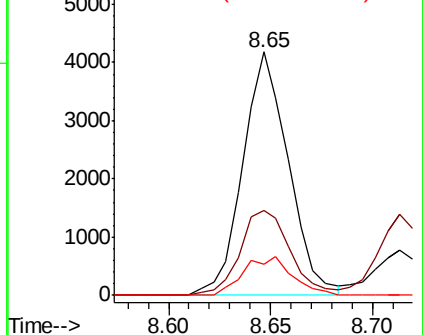
#58
 4-Methyl-2-Pentanone
 Concen: 1.634 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007966.D
 Acq: 11 Mar 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAR)

Tgt Ion: 43 Resp: 6512
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.0
 85 17.0 15.0 22.6

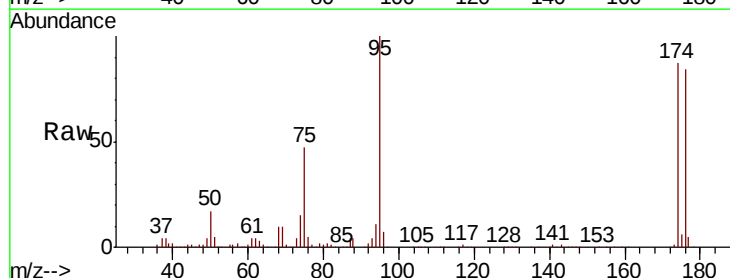


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0

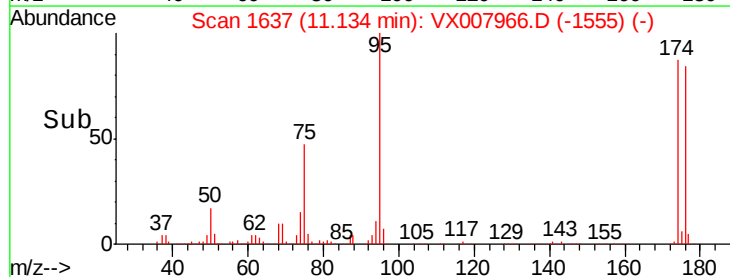
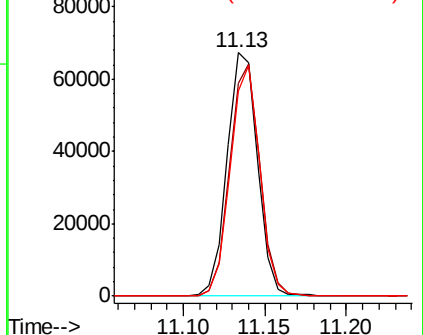


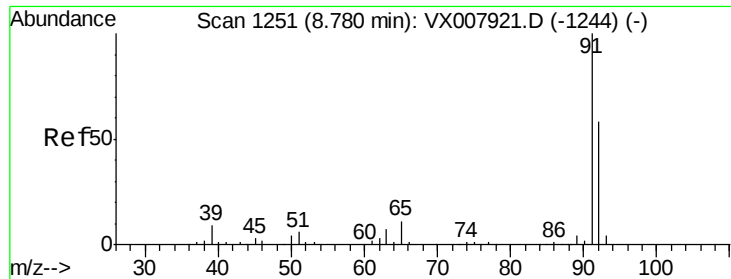
#60
 4-Bromofluorobenzene
 Concen: 28.278 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007966.D
 Acq: 11 Mar 2019 13:04

Tgt Ion: 95 Resp: 87346
 Ion Ratio Lower Upper
 95 100
 174 94.7 74.9 112.3
 176 91.8 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 10.838 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007966.D

Acq: 11 Mar 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

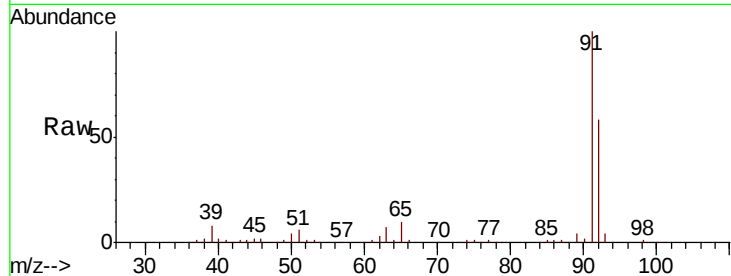
002M-35TH-AVE(MAR)

Tgt Ion: 91 Resp: 122465

Ion Ratio Lower Upper

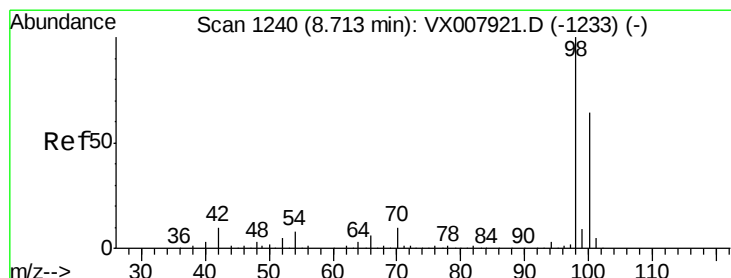
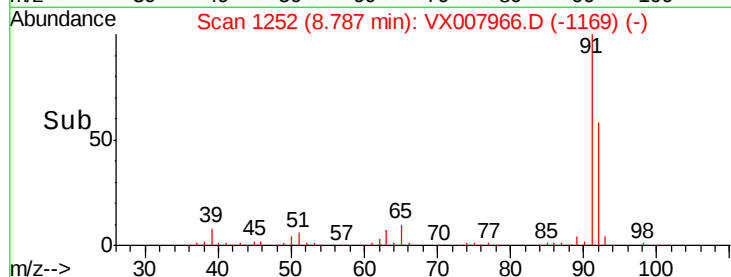
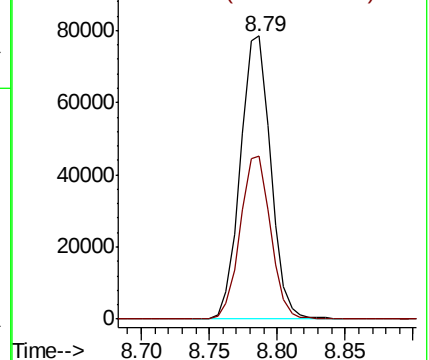
91 100

92 57.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 29.146 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007966.D

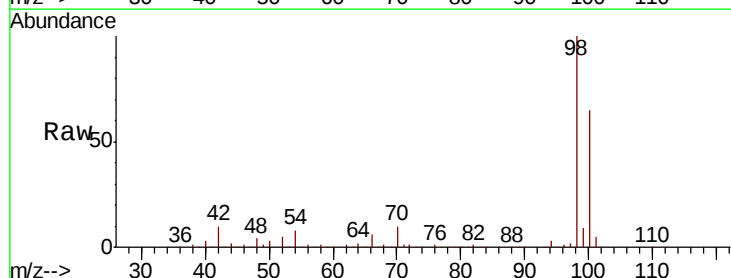
Acq: 11 Mar 2019 13:04

Tgt Ion: 98 Resp: 258122

Ion Ratio Lower Upper

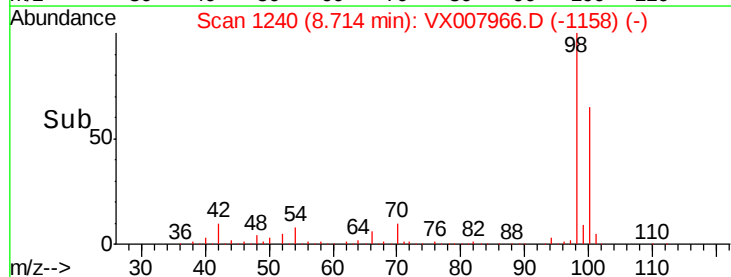
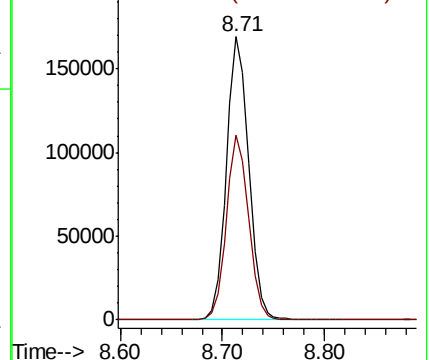
98 100

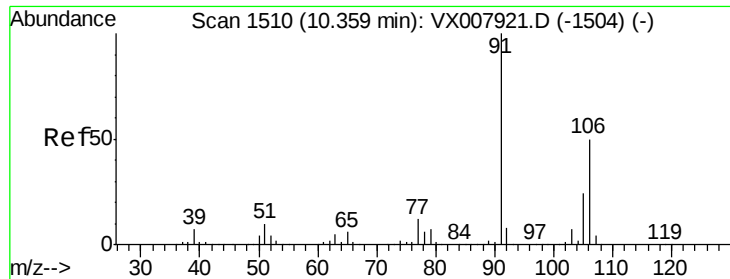
100 64.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

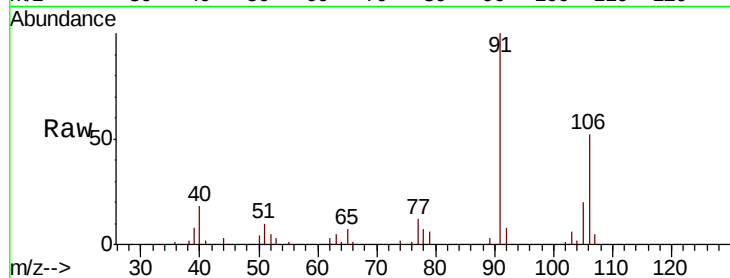




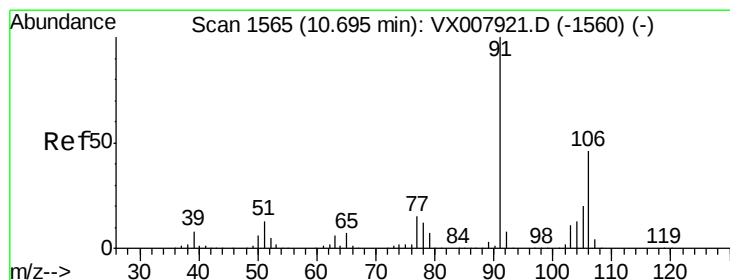
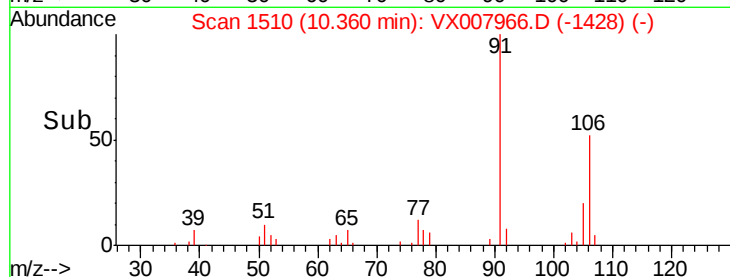
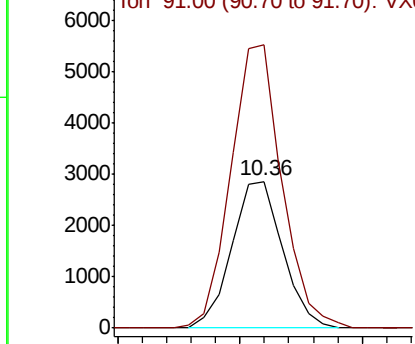
#67
m/p-Xylenes
Concen: 0.886 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007966.D
Acq: 11 Mar 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAR)

Tgt Ion:106 Resp: 4125
Ion Ratio Lower Upper
106 100
91 194.2 157.0 235.4

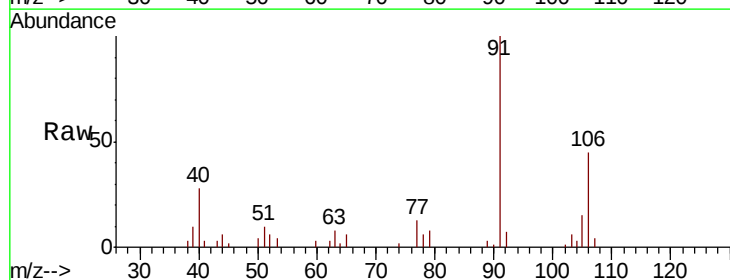


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

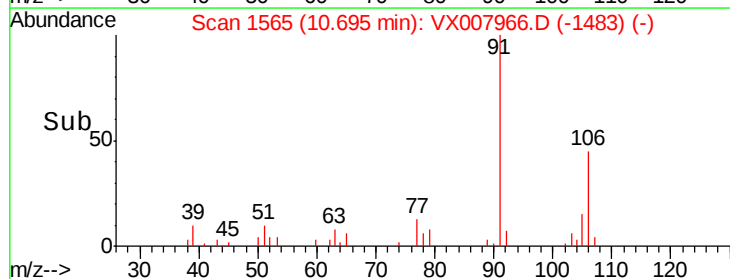
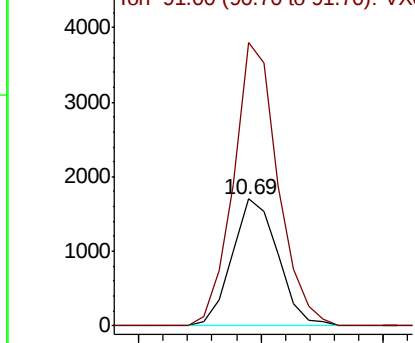


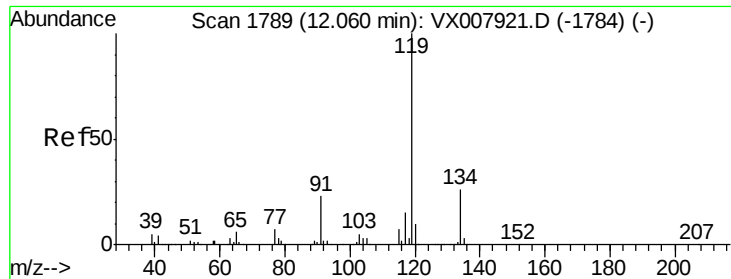
#68
o-Xylene
Concen: 0.489 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007966.D
Acq: 11 Mar 2019 13:04

Tgt Ion:106 Resp: 2208
Ion Ratio Lower Upper
106 100
91 217.1 104.4 313.2



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

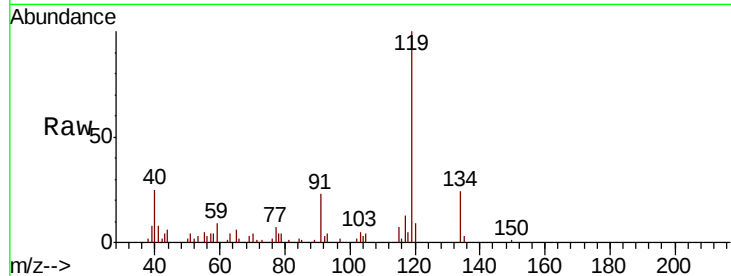




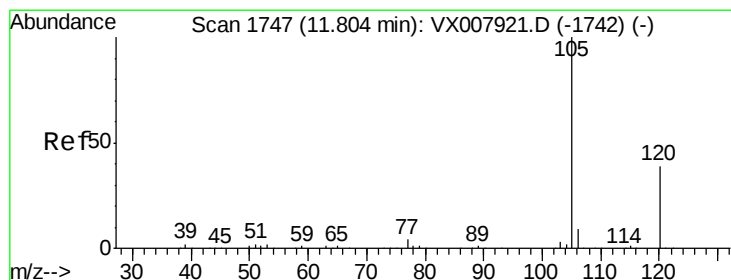
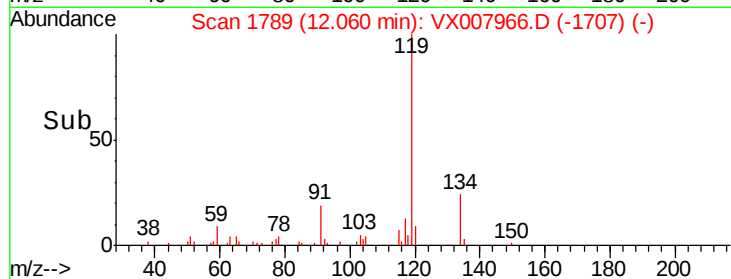
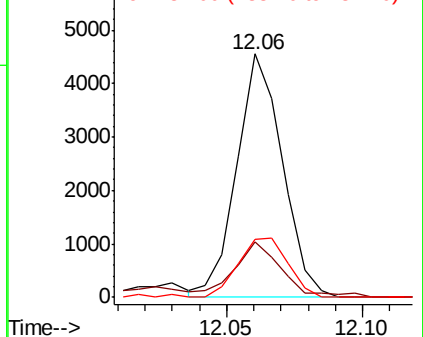
#79
tert-butylbenzene
Concen: 0.493 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007966.D
Acq: 11 Mar 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAR)

Tgt Ion:119 Resp: 5298
Ion Ratio Lower Upper
119 100
91 23.2 0.0 45.0
134 26.5 0.0 55.4

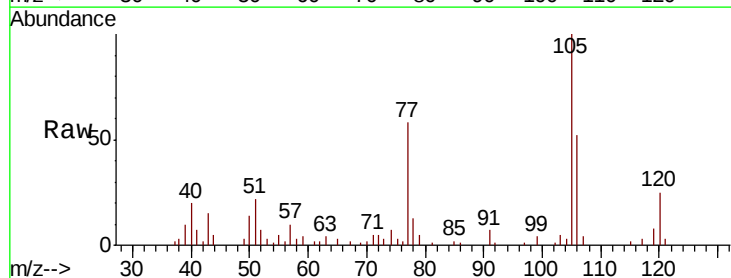


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V

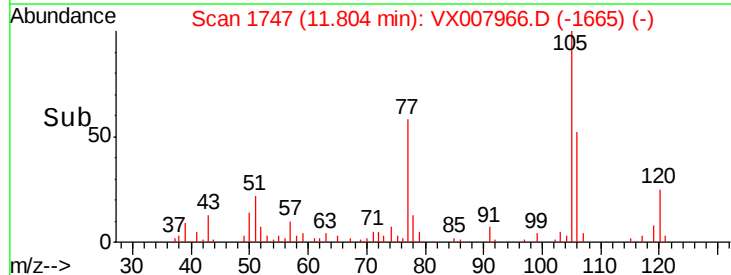
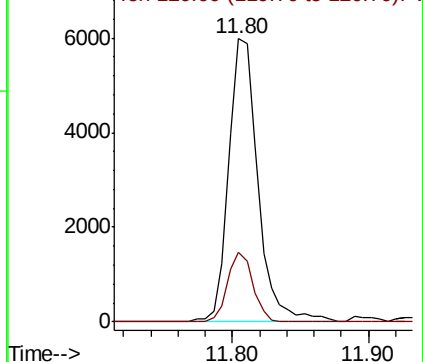


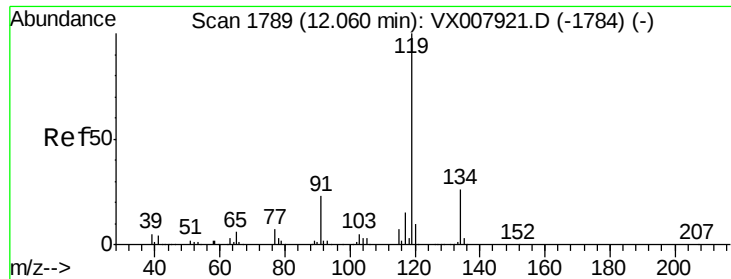
#80
1,2,4-Trimethylbenzene
Concen: 0.883 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007966.D
Acq: 11 Mar 2019 13:04

Tgt Ion:105 Resp: 8965
Ion Ratio Lower Upper
105 100
120 21.2 0.0 94.0



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





#82
 p-Isopropyltoluene
 Concen: 0.493 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007966.D
 Acq: 11 Mar 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAR)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	55.4
91	23.2	0.0	45.0

