

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042219\
 Data File : VX009096.D
 Acq On : 22 Apr 2019 14:49
 Operator : JC/SP
 Sample : K2516-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P041919

Quant Time: Apr 23 03:53:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	328387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141149	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	156685	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	5.50	113	116618	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.71	98	474922	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.13	95	162000	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

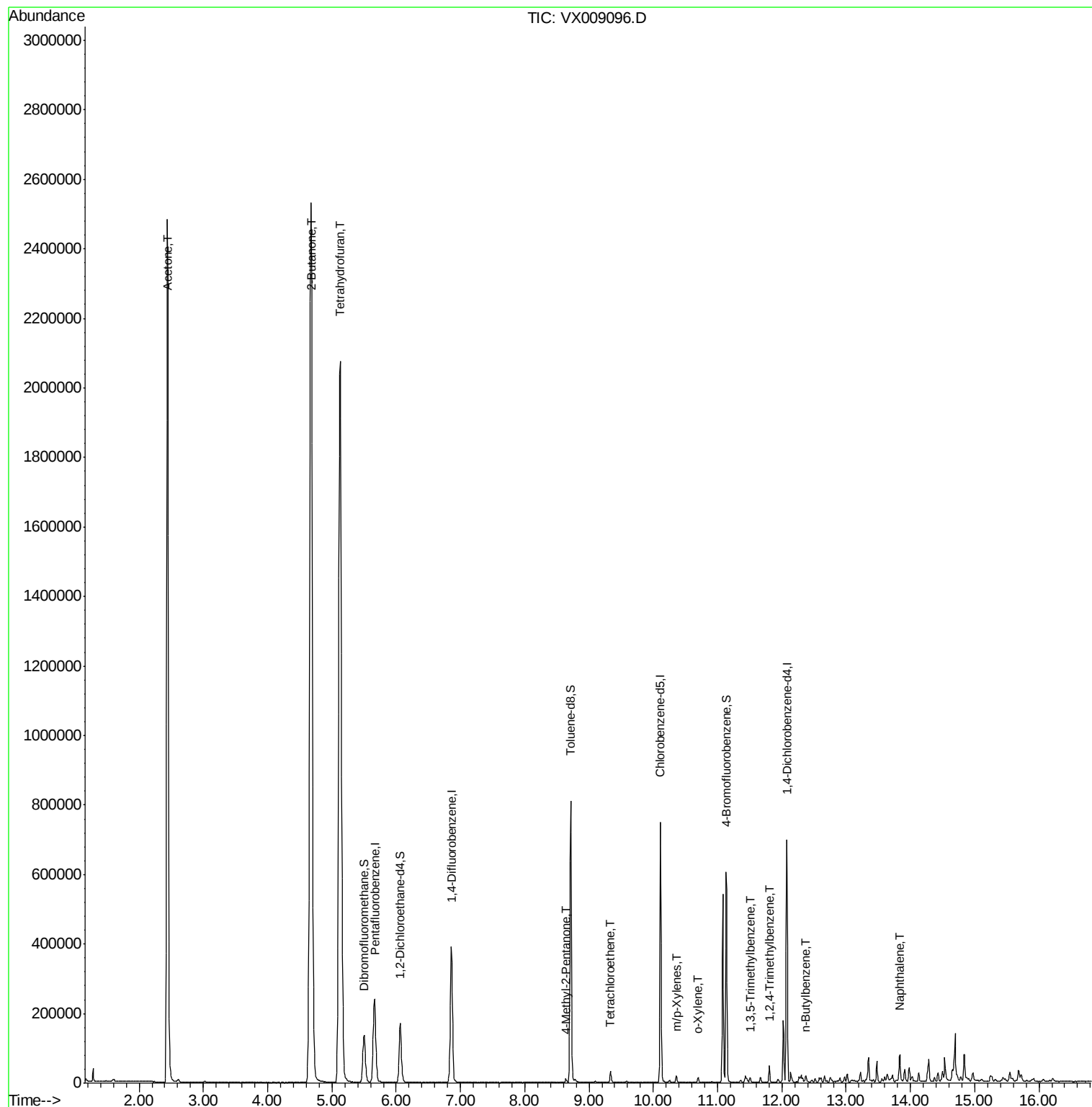
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	2713427	1561.697	ug/l	99
25) 2-Butanone	4.68	43	4784096	1722.599	ug/l	98
29) Tetrahydrofuran	5.13	42	2111100	1135.691	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	6062	1.159	ug/l	89
64) Tetrachloroethene	9.34	164	5953	2.386	ug/l	97
68) m/p-Xylenes	10.36	106	4298	0.933	ug/l	96
69) o-Xylene	10.69	106	2743	0.612	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	5620	0.626	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	20312	2.223	ug/l	100
89) n-Butylbenzene	12.38	91	3110	0.353	ug/l #	45
95) Naphthalene	13.83	128	47201	4.375	ug/l	98

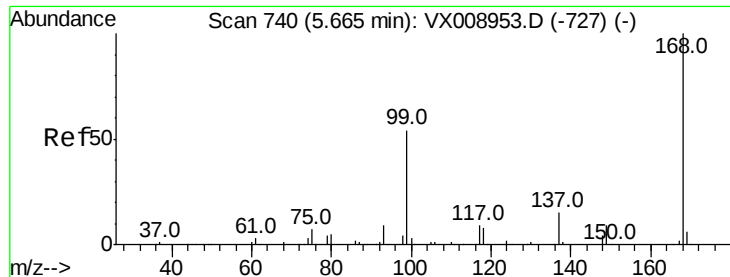
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

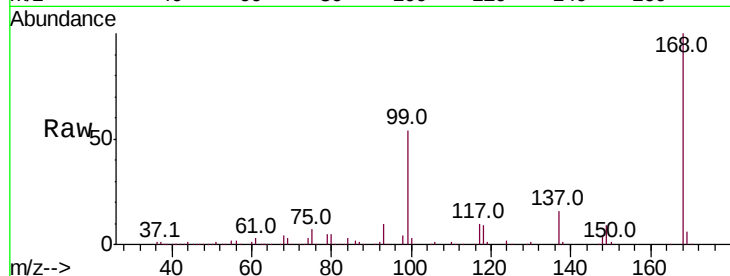
P041919

Tot Ion:168 Resp: 237744

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

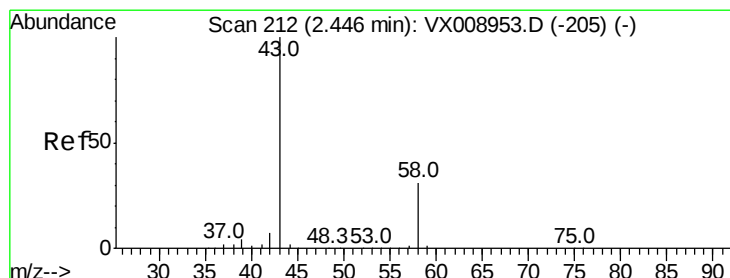
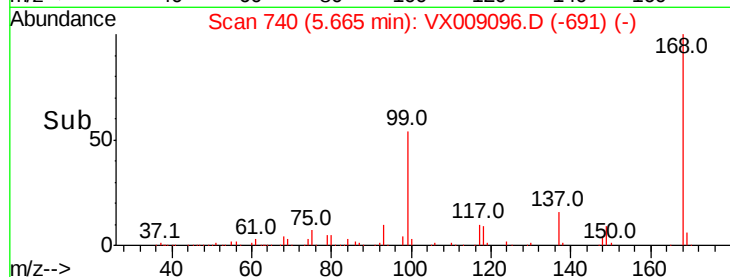
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1561.697 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009096.D

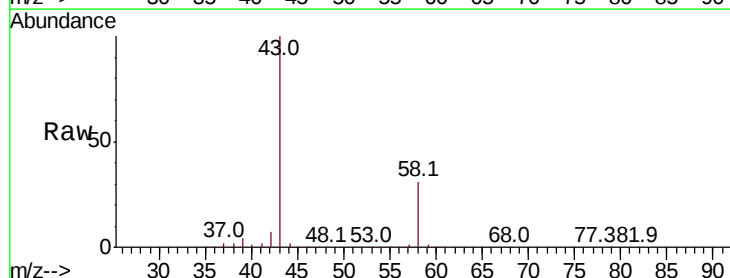
Acq: 22 Apr 2019 14:49

Tgt Ion: 43 Resp: 2713427

Ion Ratio Lower Upper

43 100

58 30.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

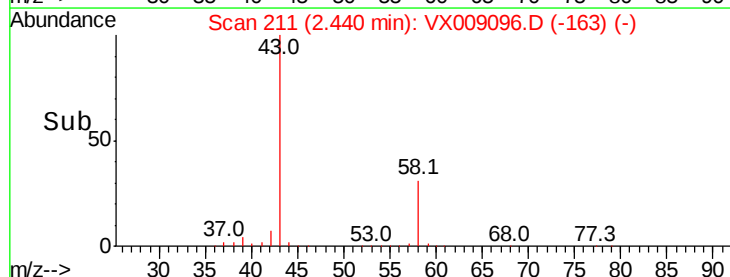
1500000

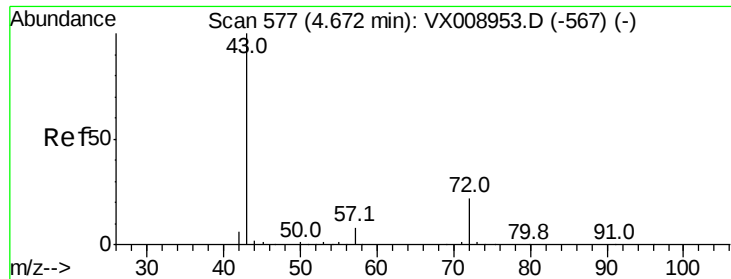
1000000

500000

0

Time--> 2.30 2.40 2.50 2.60





#25

2-Butanone

Concen: 1722.599 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

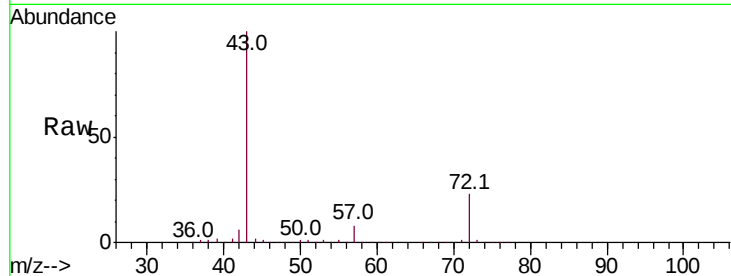
P041919

Tot Ion: 43 Resp: 4784096

Ion Ratio Lower Upper

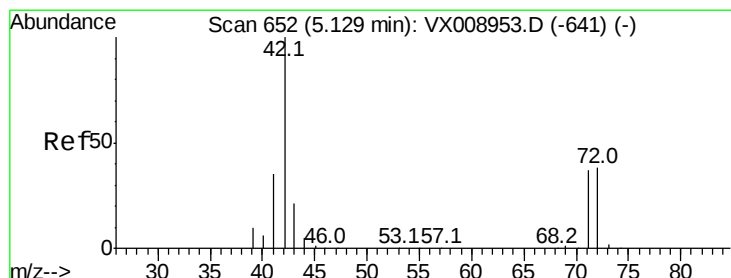
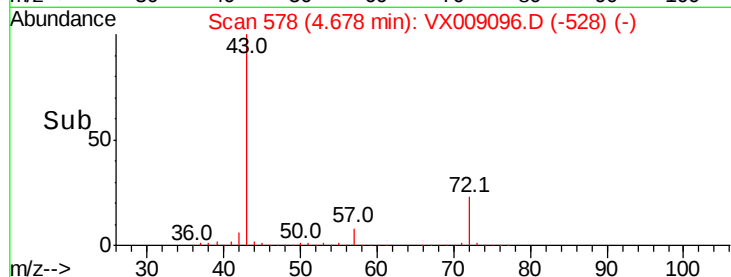
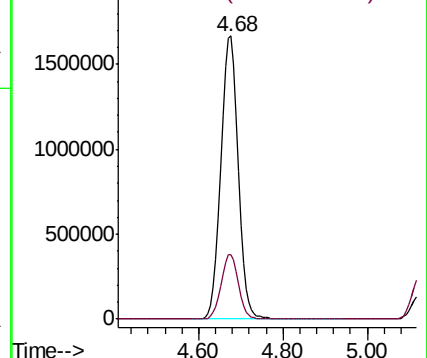
43 100

72 23.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1135.691 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

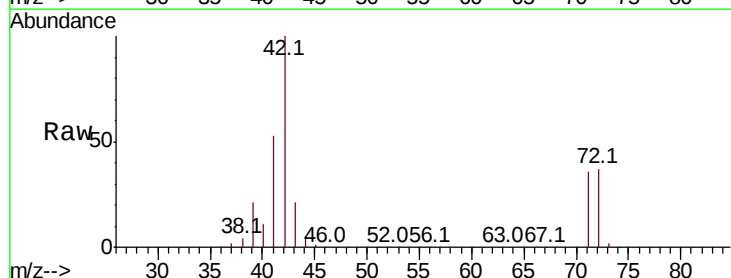
Tgt Ion: 42 Resp: 2111100

Ion Ratio Lower Upper

42 100

72 37.2 30.6 45.8

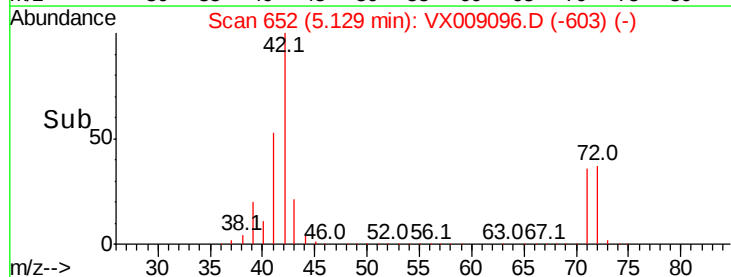
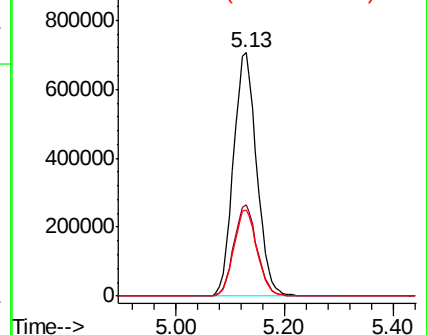
71 35.4 28.8 43.2

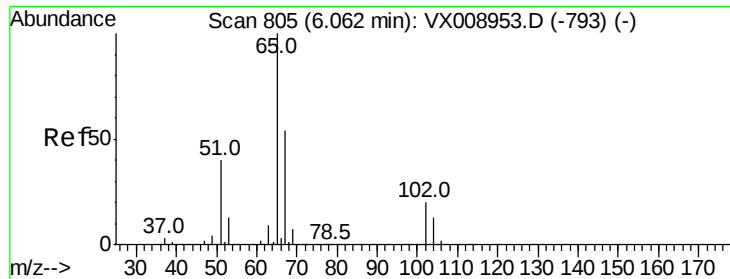


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.765 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

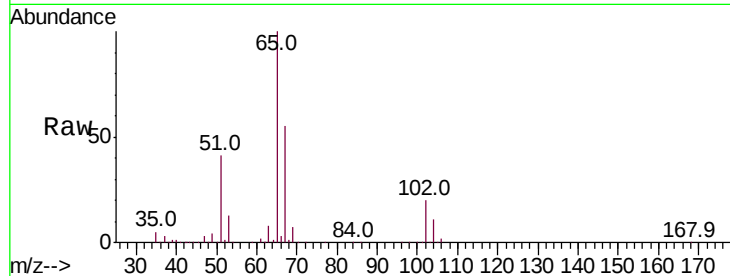
P041919

Tot Ion: 65 Resp: 156685

Ion Ratio Lower Upper

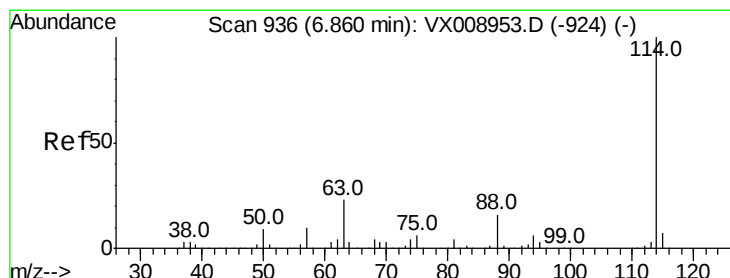
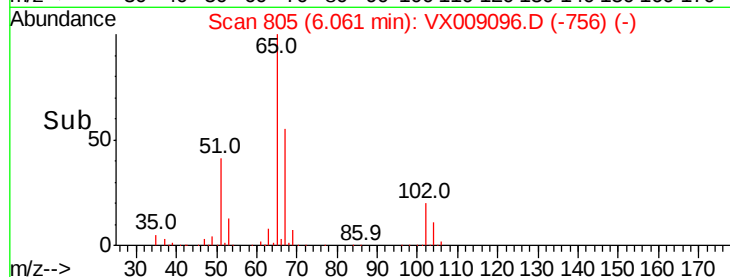
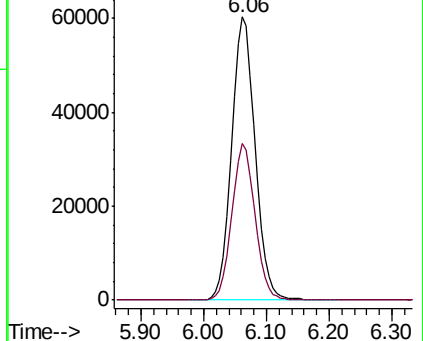
65 100

67 54.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

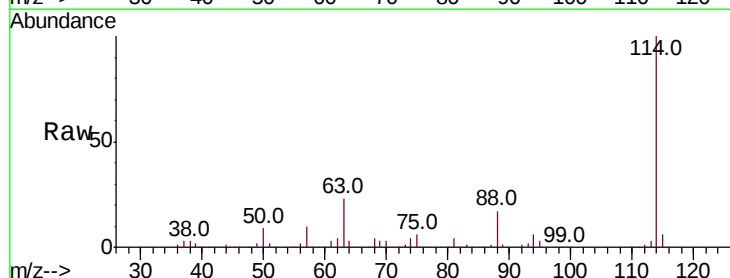
Tgt Ion:114 Resp: 382839

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.0

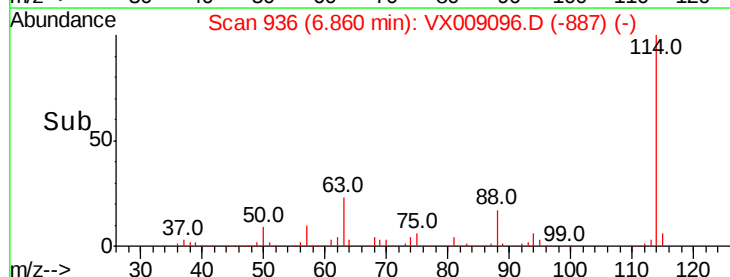
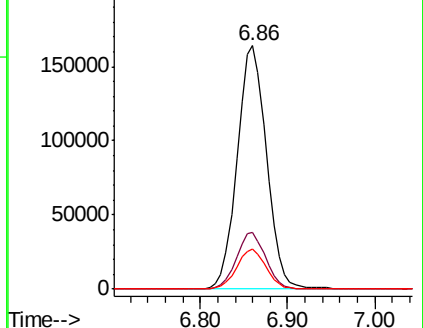
88 16.5 0.0 32.6

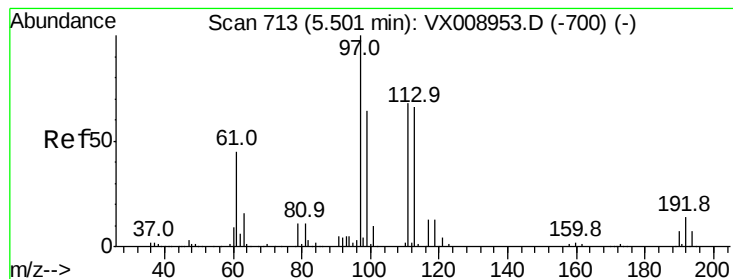


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.464 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

P041919

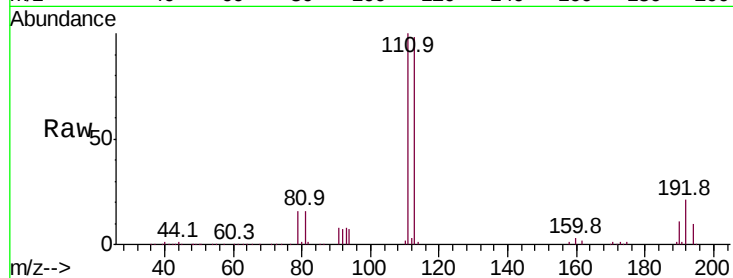
Tot Ion:113 Resp: 116618

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

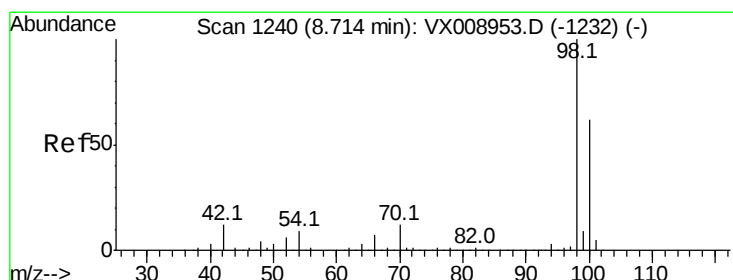
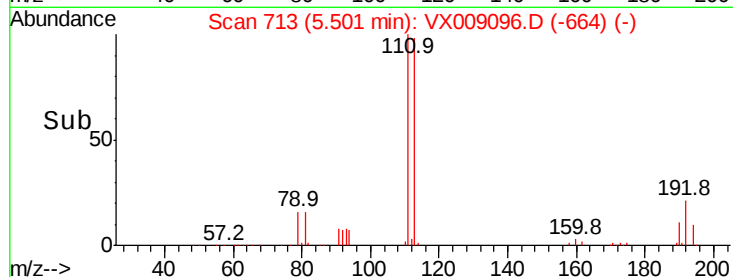
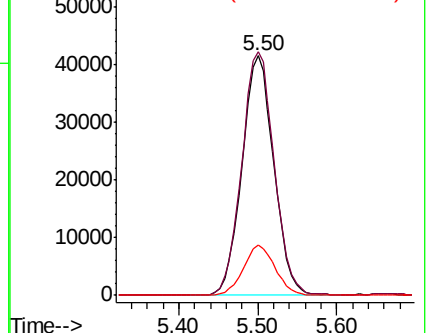
192 20.9 17.4 26.0



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



#50

Toluene-d8

Concen: 48.469 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009096.D

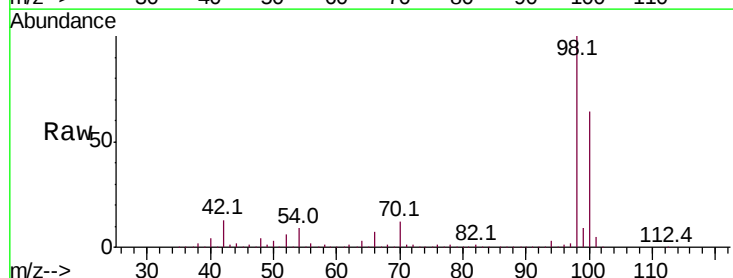
Acq: 22 Apr 2019 14:49

Tgt Ion: 98 Resp: 474922

Ion Ratio Lower Upper

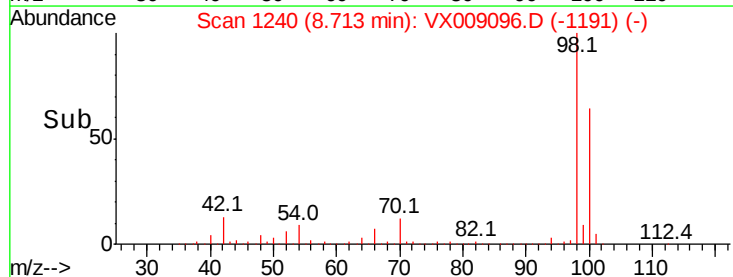
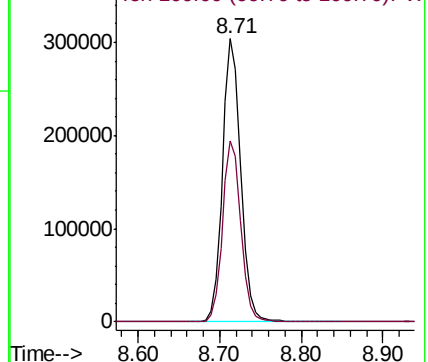
98 100

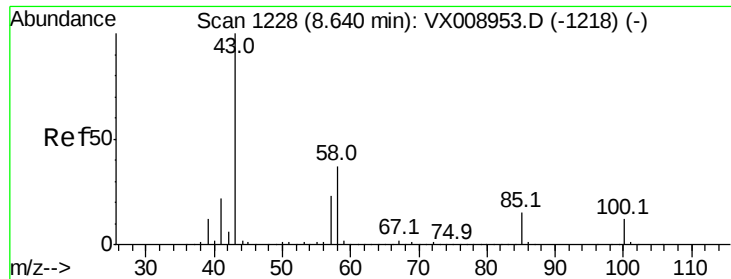
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.159 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

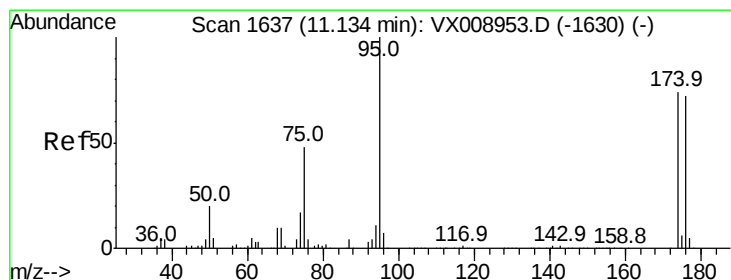
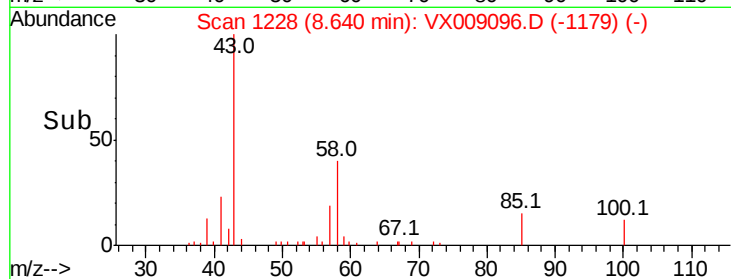
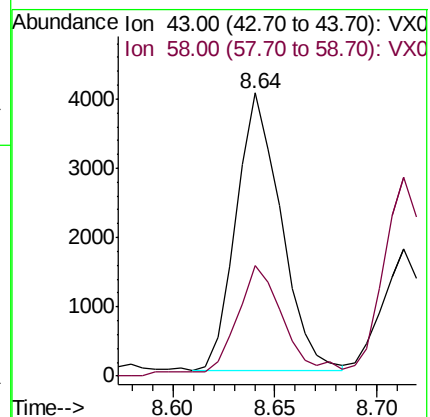
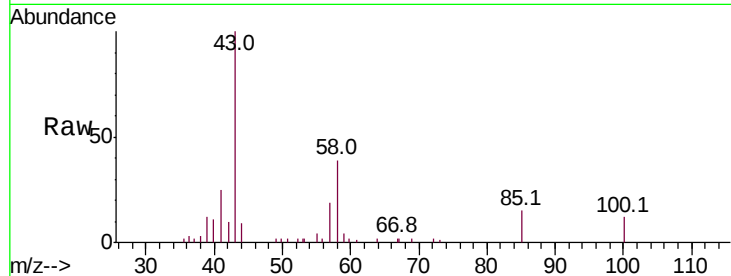
P041919

Tot Ion: 43 Resp: 6062

Ion Ratio Lower Upper

43 100

58 43.8 29.8 44.6



#62

4-Bromofluorobenzene

Concen: 46.836 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

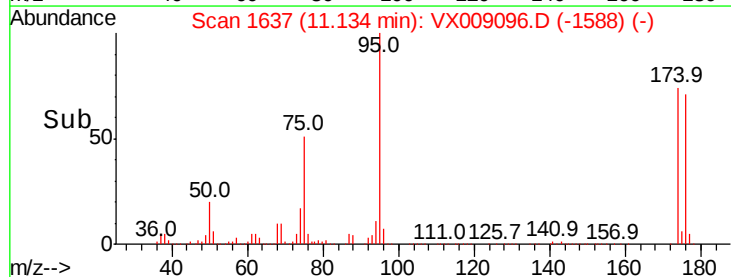
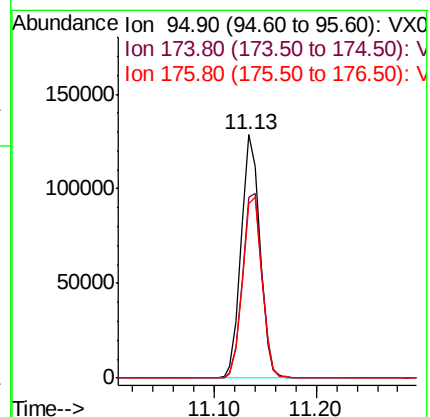
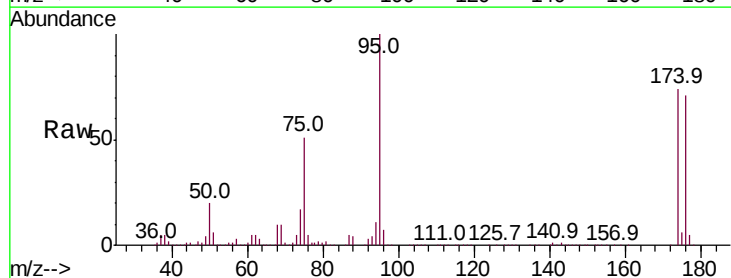
Tgt Ion: 95 Resp: 162000

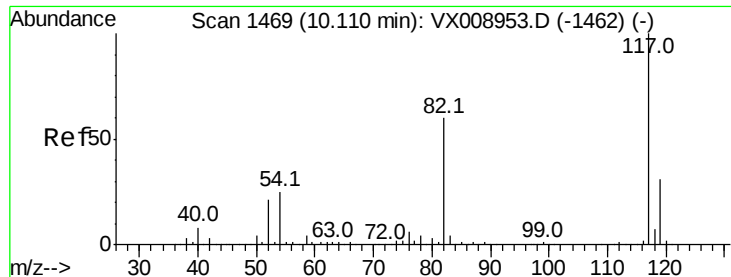
Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.6

176 76.4 0.0 154.8

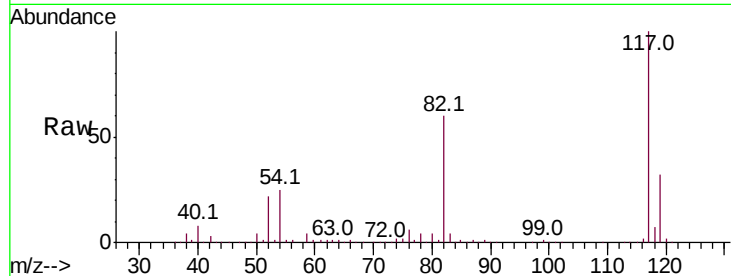




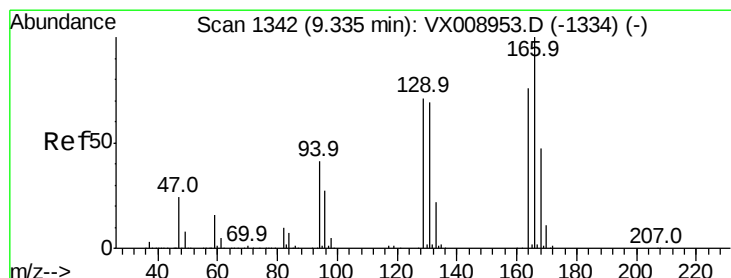
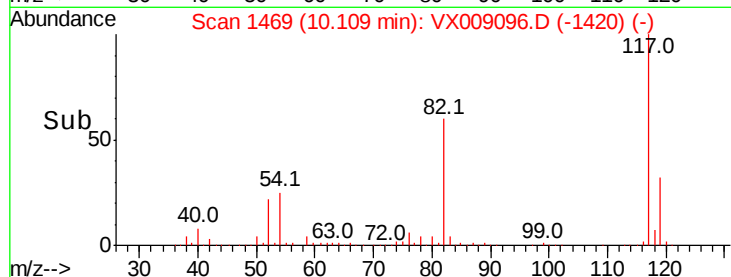
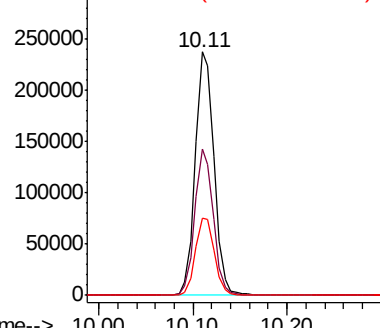
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009096.D
Acq: 22 Apr 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
P041919

Tot Ion:117 Resp: 328387
Ion Ratio Lower Upper
117 100
82 60.2 48.2 72.4
119 31.8 25.0 37.6



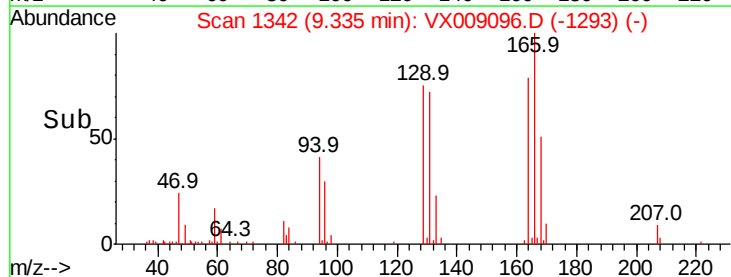
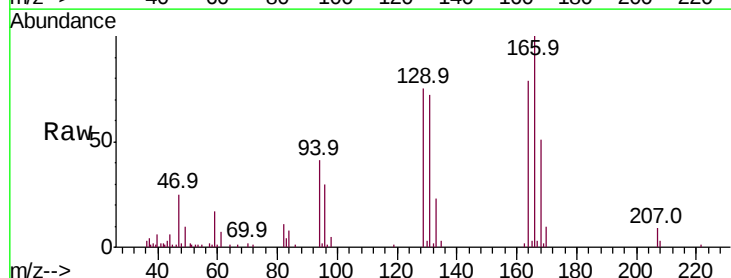
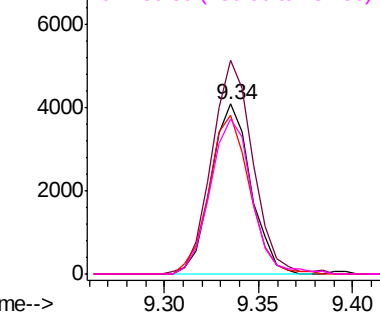
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

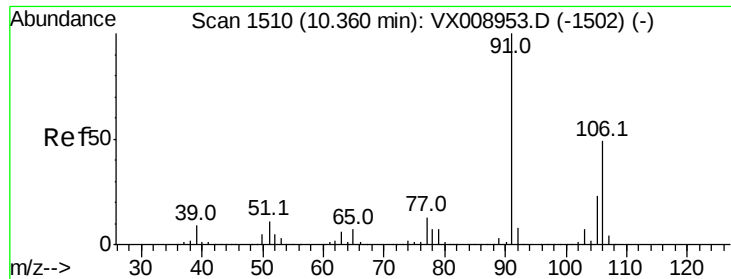


#64
Tetrachloroethene
Concen: 2.386 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009096.D
Acq: 22 Apr 2019 14:49

Tgt Ion:164 Resp: 5953
Ion Ratio Lower Upper
164 100
166 125.8 105.0 157.4
129 93.8 74.2 111.4
131 91.2 72.2 108.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

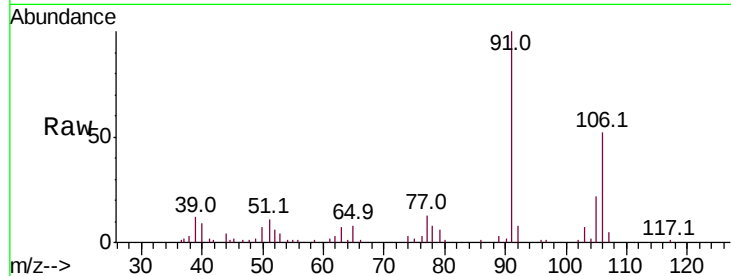




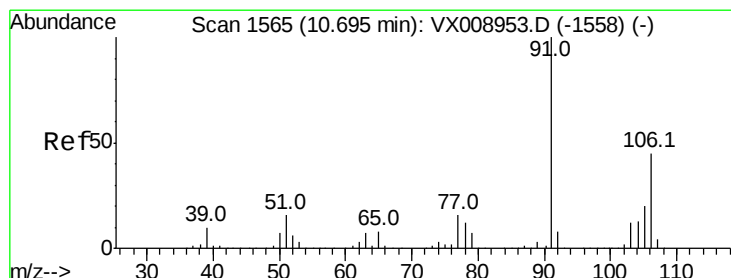
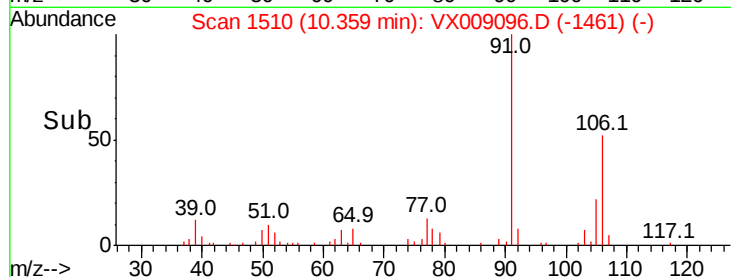
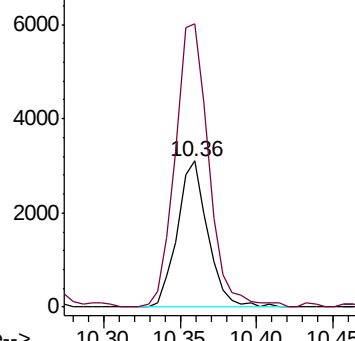
#68
m/p-Xylenes
Concen: 0.933 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009096.D
Acq: 22 Apr 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
P041919

Tot Ion:106 Resp: 4298
Ion Ratio Lower Upper
106 100
91 212.7 165.4 248.2

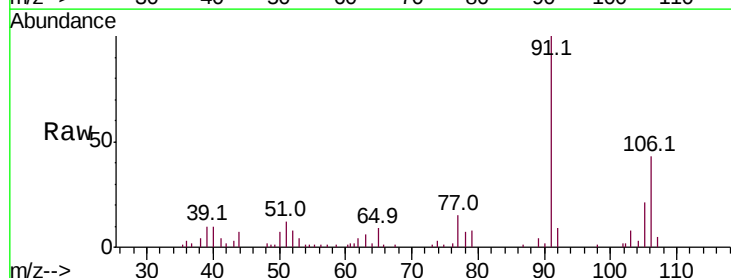


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

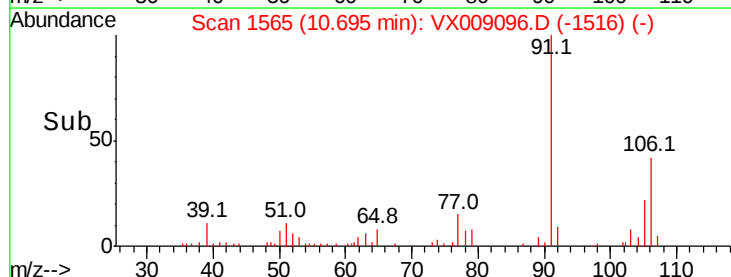
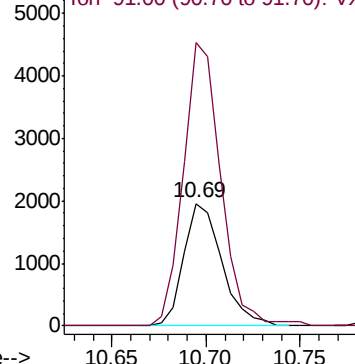


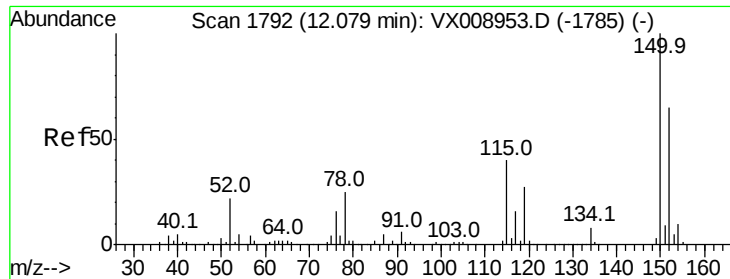
#69
o-Xylene
Concen: 0.612 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009096.D
Acq: 22 Apr 2019 14:49

Tgt Ion:106 Resp: 2743
Ion Ratio Lower Upper
106 100
91 228.6 108.9 326.7



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: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

P041919

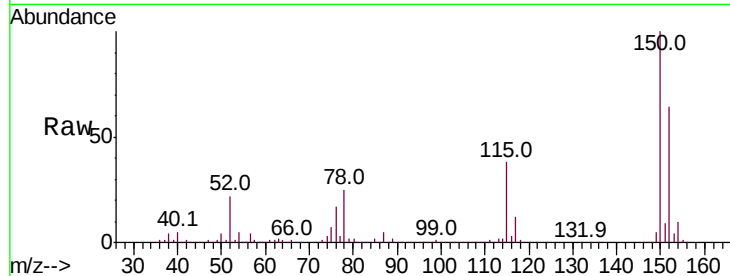
Tot Ion:152 Resp: 141149

Ion Ratio Lower Upper

152 100

115 59.8 41.4 124.2

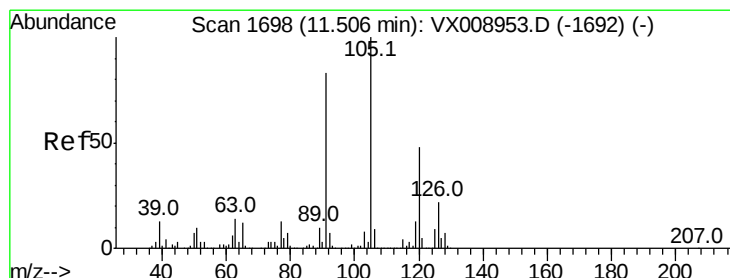
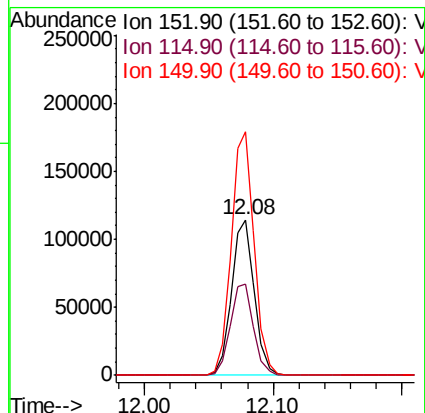
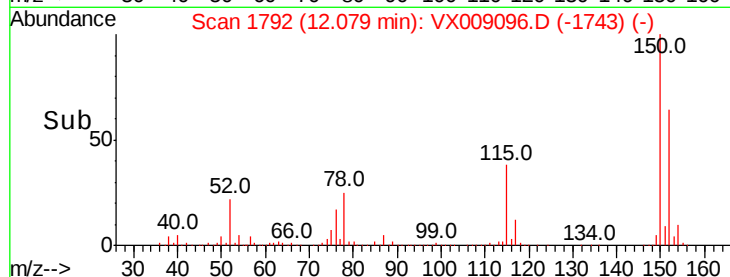
150 157.5 0.0 349.8



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



#80

1,3,5-Trimethylbenzene

Concen: 0.626 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009096.D

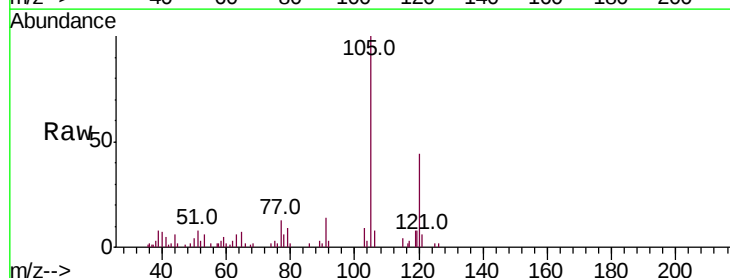
Acq: 22 Apr 2019 14:49

Tgt Ion:105 Resp: 5620

Ion Ratio Lower Upper

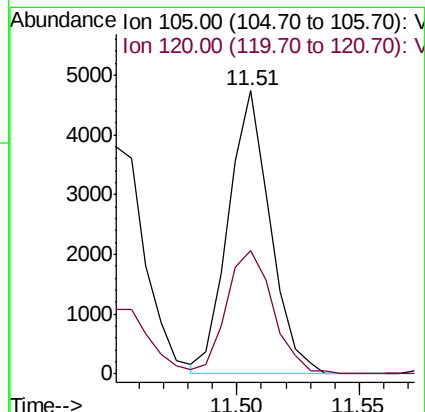
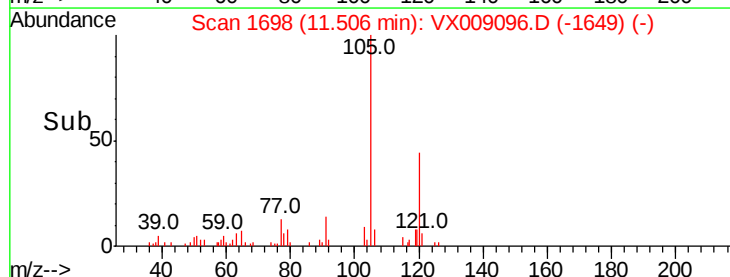
105 100

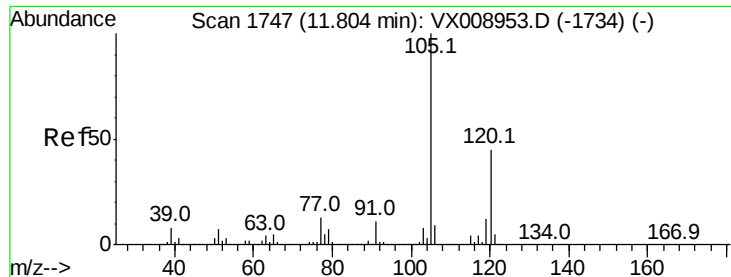
120 48.7 24.1 72.3



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: 2.223 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

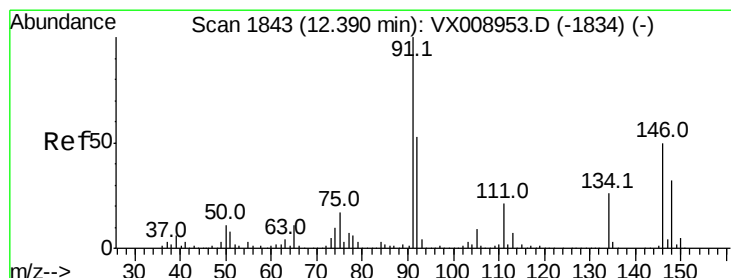
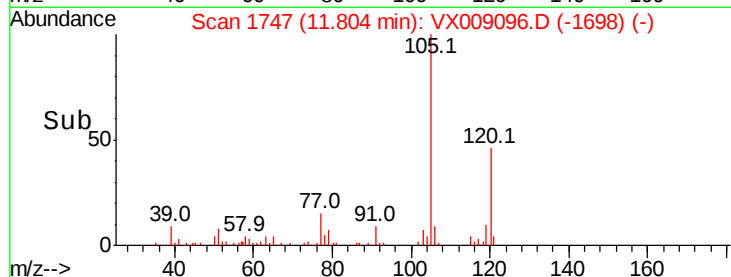
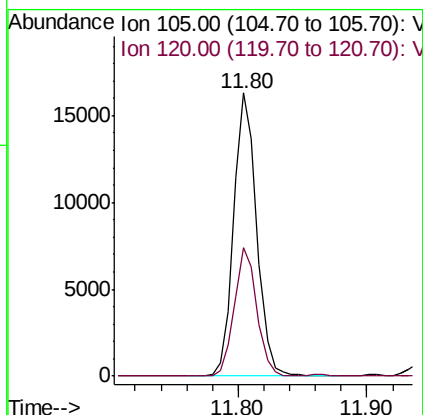
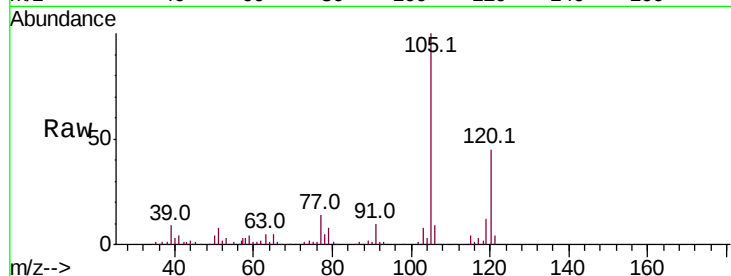
P041919

Tot Ion:105 Resp: 20312

Ion Ratio Lower Upper

105 100

120 44.1 21.9 65.8



#89

n-Butylbenzene

Concen: 0.353 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

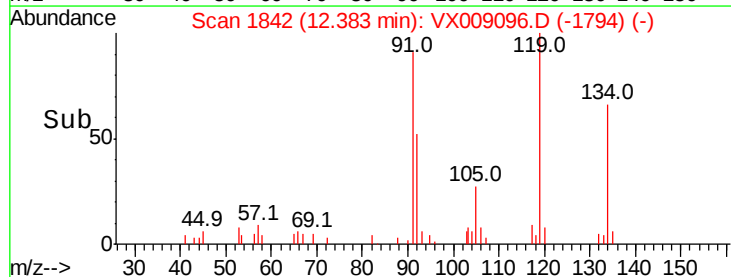
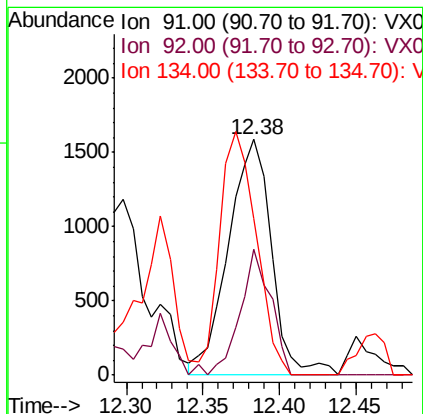
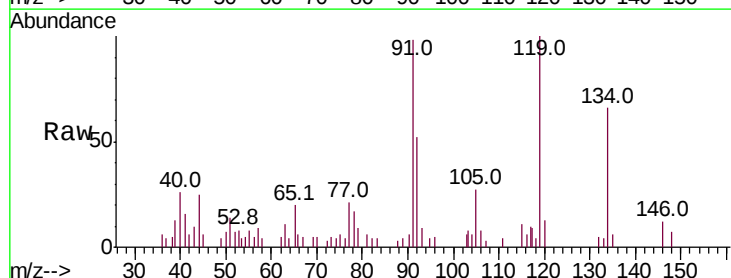
Tgt Ion: 91 Resp: 3110

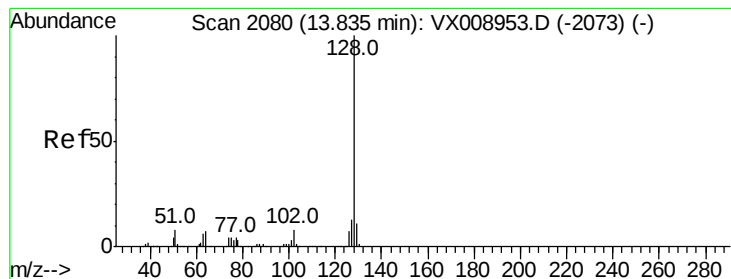
Ion Ratio Lower Upper

91 100

92 37.7 26.6 79.8

134 87.1 12.4 37.2#





#95

Naphthalene

Concen: 4.375 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009096.D

Acq: 22 Apr 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

P041919

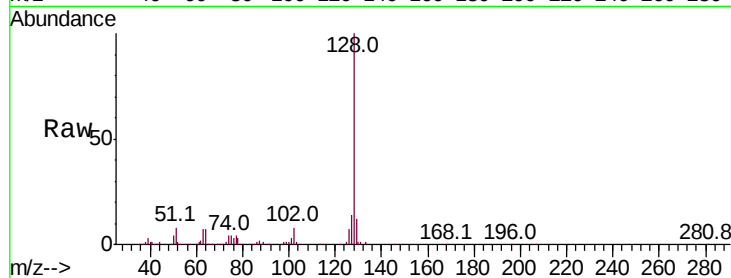
Tot Ion:128 Resp: 47201

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 12.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

