

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013702.D
 Acq On : 29 Nov 2019 15:36
 Operator : JC/SP
 Sample : K5965-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0188

Quant Time: Nov 29 23:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	677582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1048724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	930972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	379691	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.49	113	313284	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1239303	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	417248	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

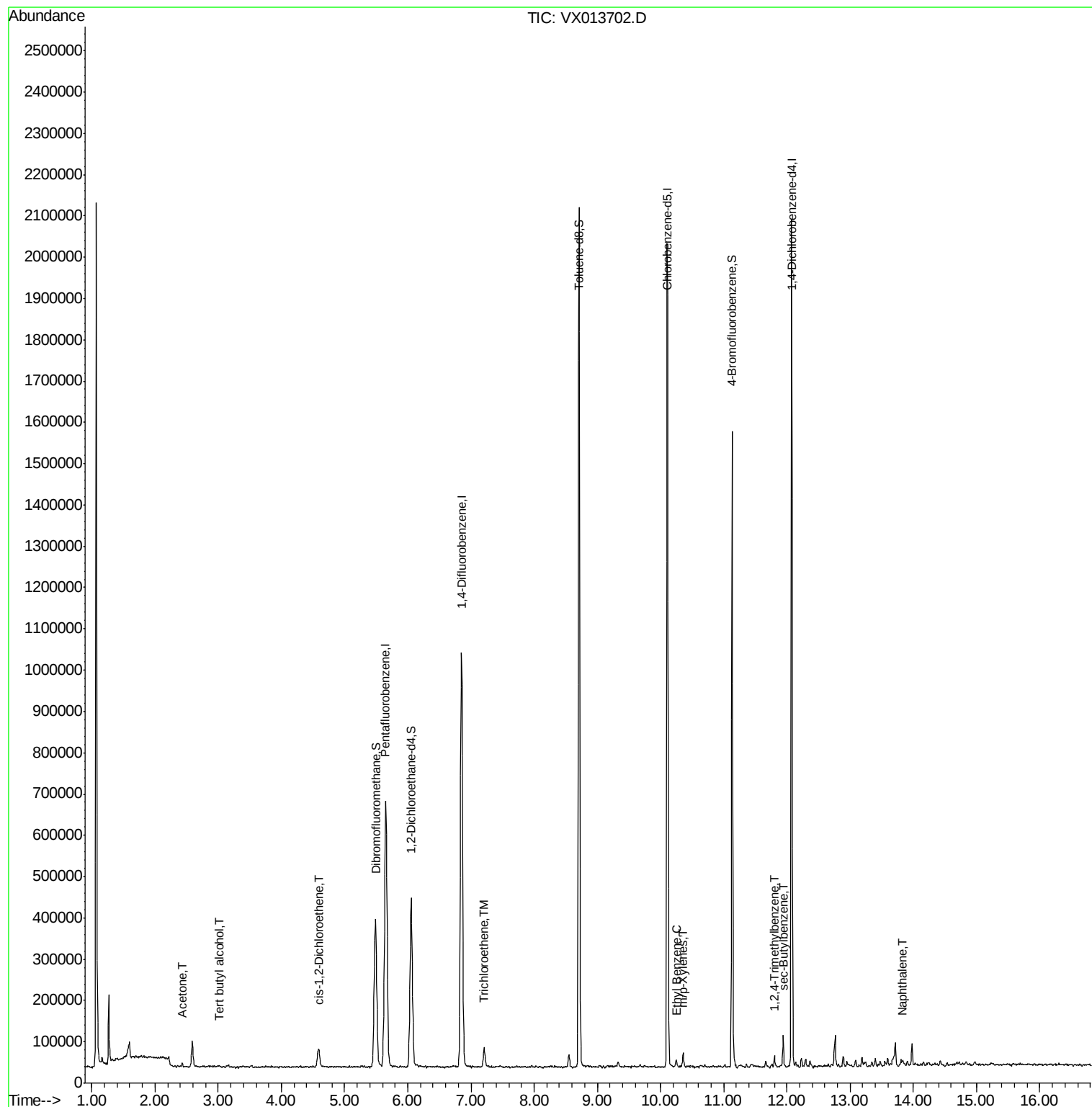
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	4212	2.170	ug/l	97
16) Acetone	2.43	43	9404	2.422	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	28347	3.514	ug/l	94
44) Trichloroethene	7.21	130	20746	2.607	ug/l	86
67) Ethyl Benzene	10.25	91	11177	0.337	ug/l	90
68) m/p-Xylenes	10.36	106	8519	0.670	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	12844	0.529	ug/l	86
85) sec-Butylbenzene	11.94	105	42817	1.542	ug/l	97
95) Naphthalene	13.83	128	9035	0.321	ug/l #	82

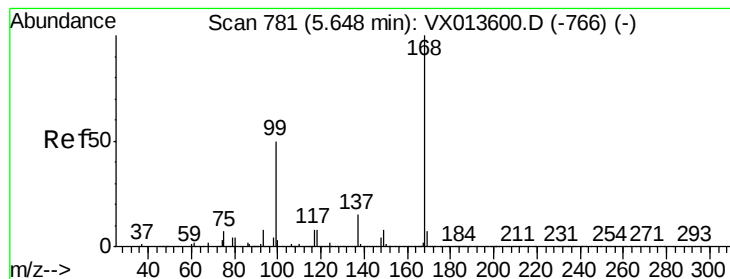
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 29 23:29:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

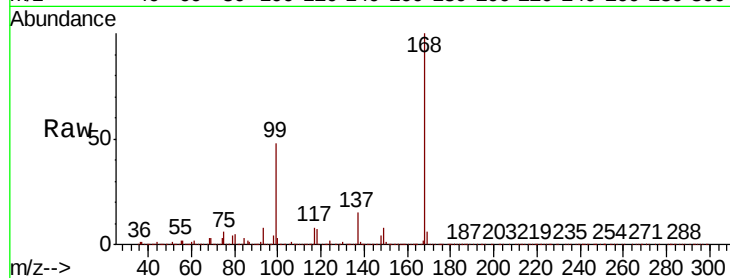
S39-0188

Tot Ion:168 Resp: 677582

Ion Ratio Lower Upper

168 100

99 48.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

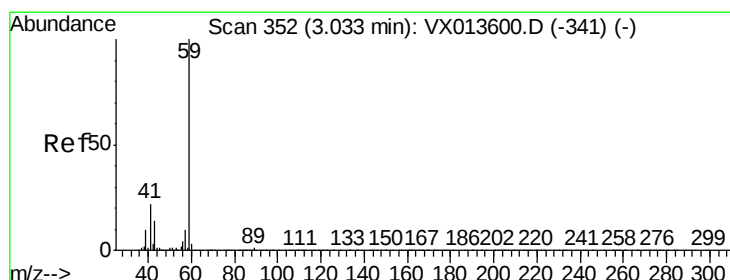
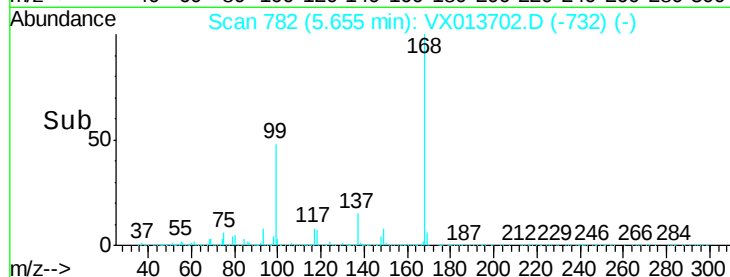
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.170 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX013702.D

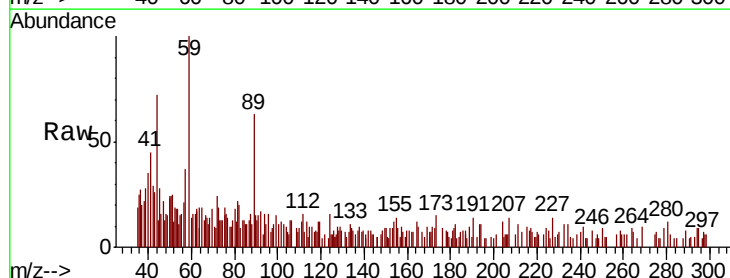
Acq: 29 Nov 2019 15:36

Tgt Ion: 59 Resp: 4212

Ion Ratio Lower Upper

59 100

57 8.7 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

1500

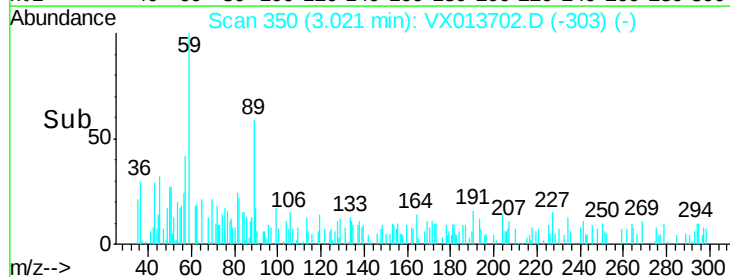
1000

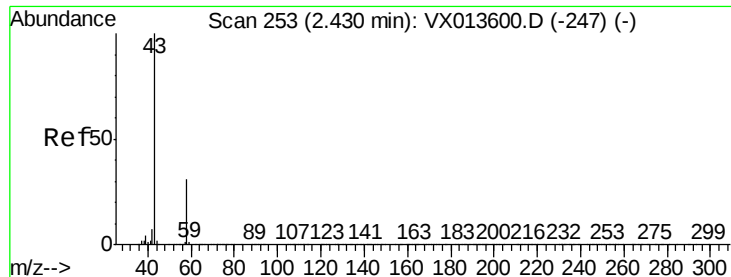
500

0

Time-->

2.90 2.95 3.00 3.05 3.10





#16

Acetone

Concen: 2.422 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampled :

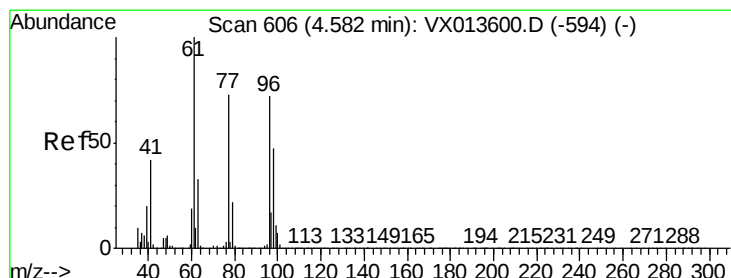
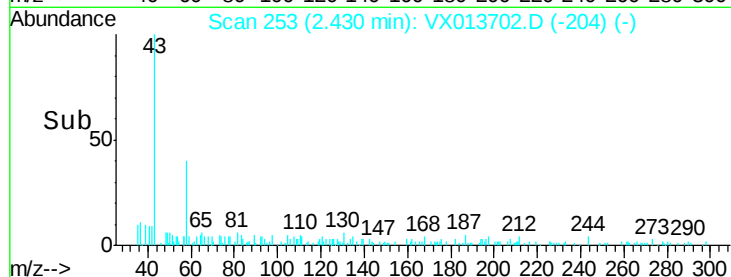
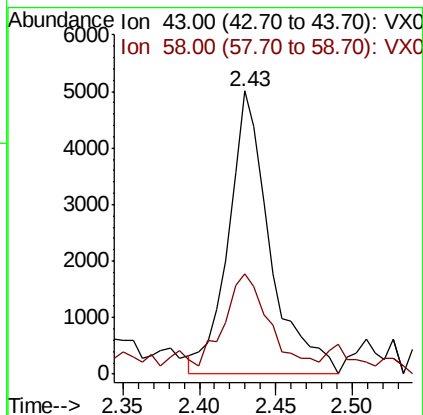
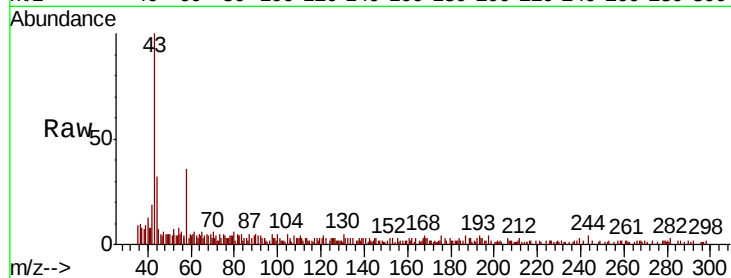
S39-0188

Tot Ion: 43 Resp: 9404

Ion Ratio Lower Upper

43 100

58 30.4 24.6 36.8



#27

cis-1,2-Dichloroethene

Concen: 3.514 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

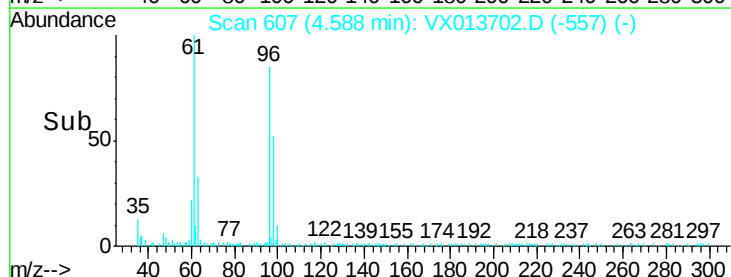
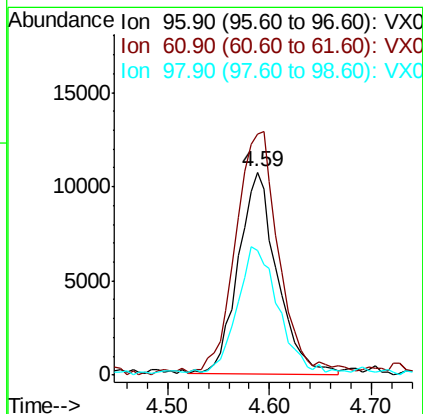
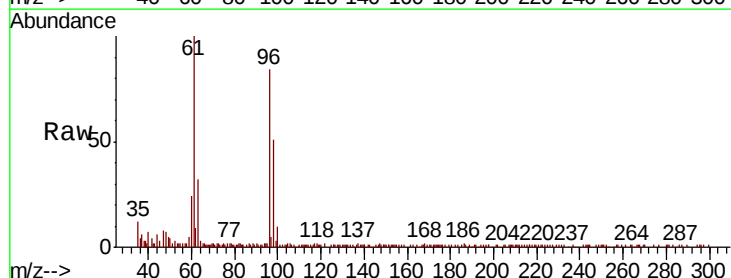
Tgt Ion: 96 Resp: 28347

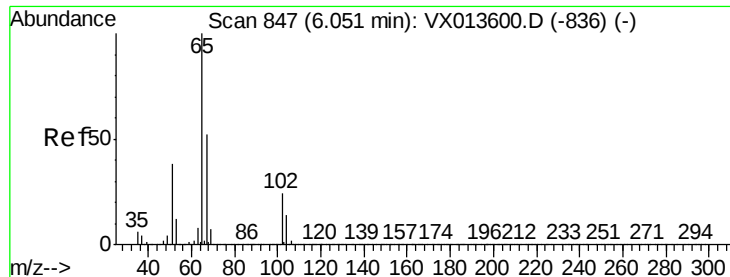
Ion Ratio Lower Upper

96 100

61 132.3 0.0 286.4

98 63.9 0.0 127.4





#33

1,2-Dichloroethane-d4

Concen: 48.275 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

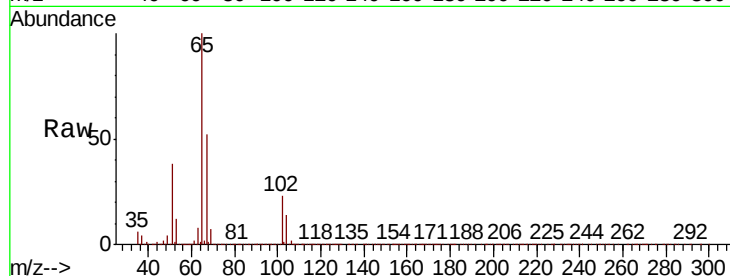
S39-0188

Tot Ion: 65 Resp: 379691

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

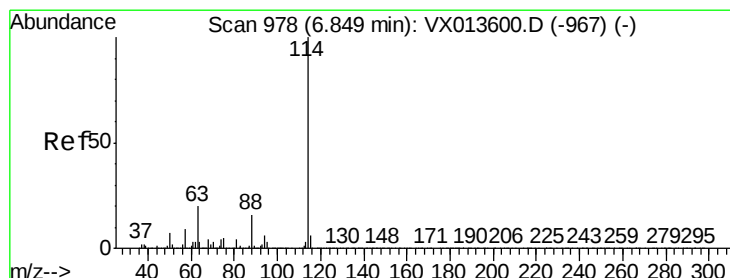
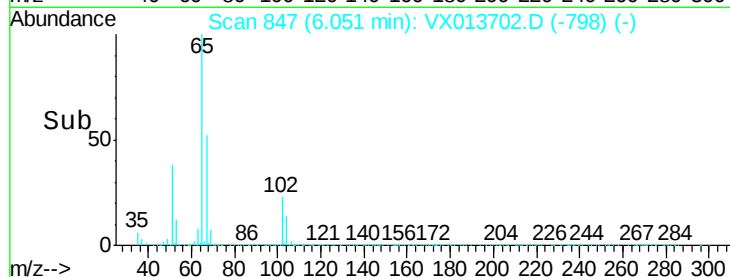
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

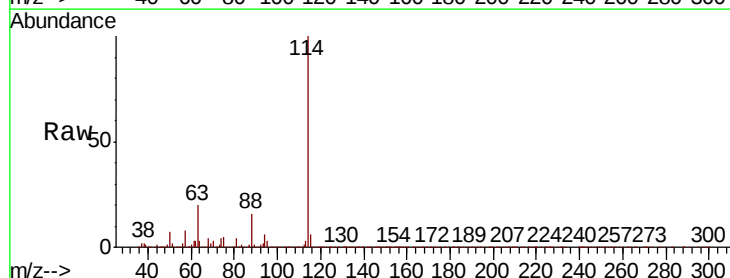
Tgt Ion: 114 Resp: 1048724

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.6 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

6.85

600000

500000

400000

300000

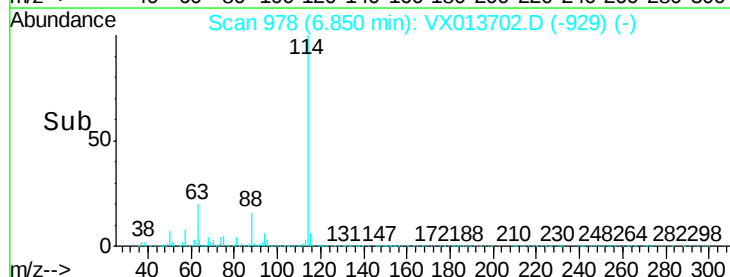
200000

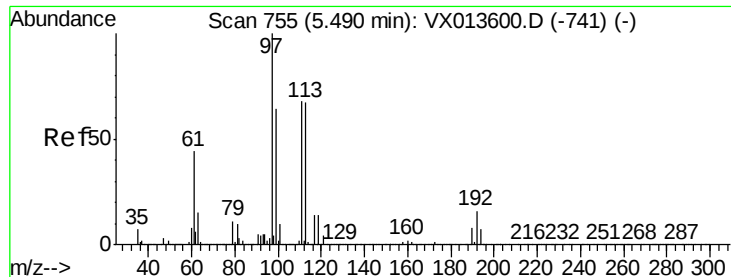
100000

0

Time-->

6.70 6.80 6.90 7.00

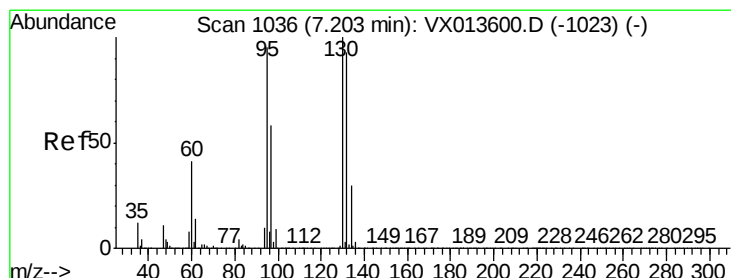
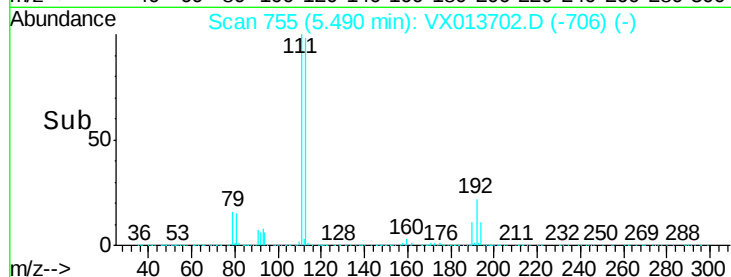
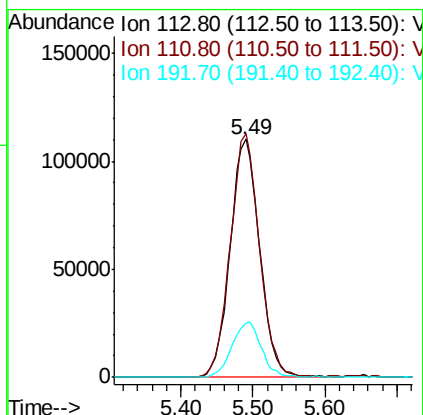
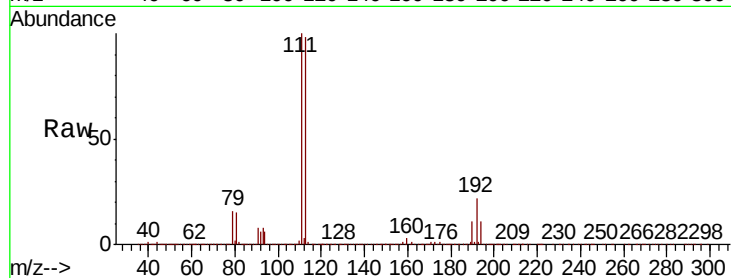




#35
Dibromofluoromethane
Concen: 48.321 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013702.D
Acq: 29 Nov 2019 15:36

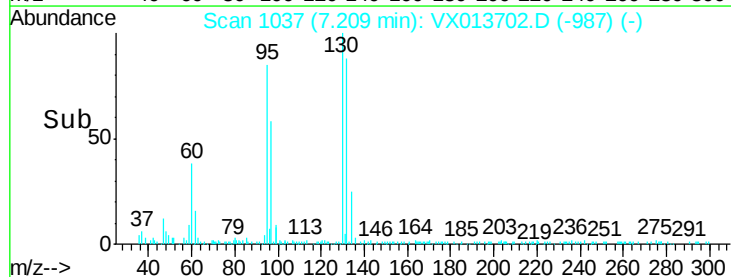
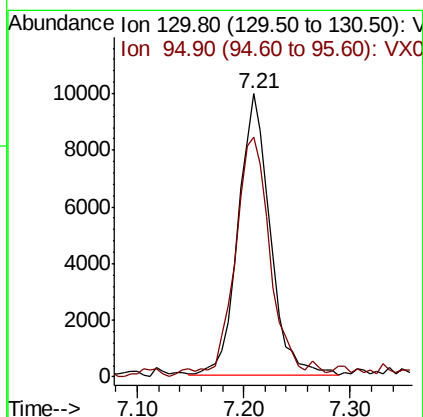
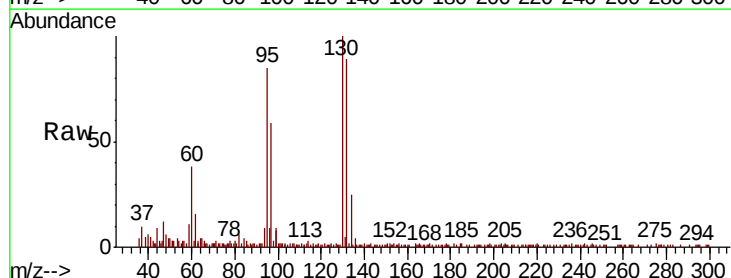
Instrument :
MSVOA_X
ClientSampleId :
S39-0188

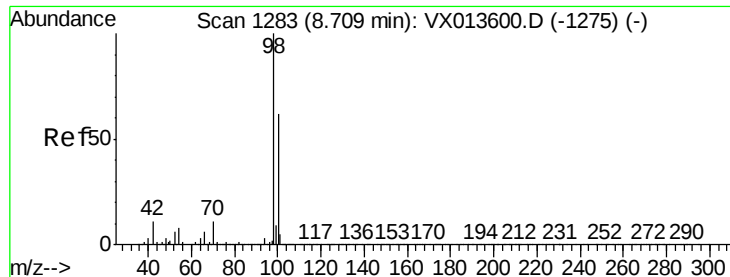
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.6	125.4
192	23.0	19.2	28.8



#44
Trichloroethene
Concen: 2.607 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013702.D
Acq: 29 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	82.0	0.0	190.8





#50

Toluene-d8

Concen: 49.062 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

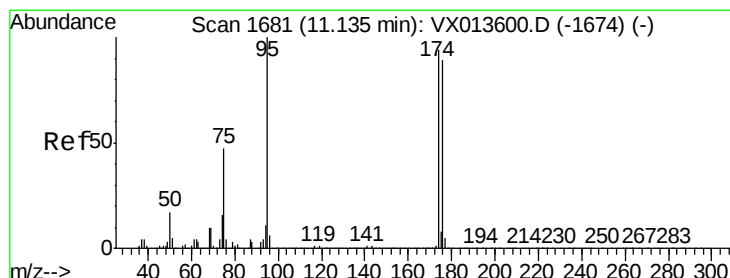
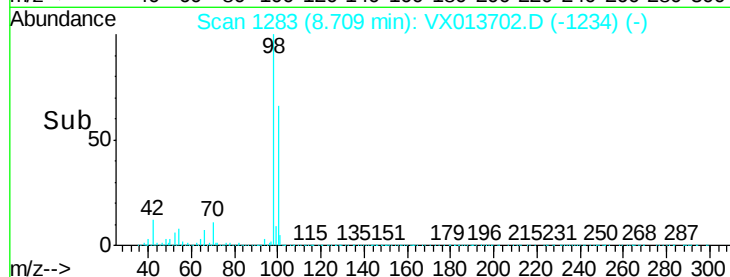
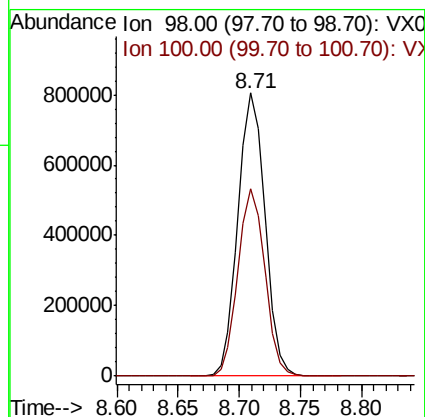
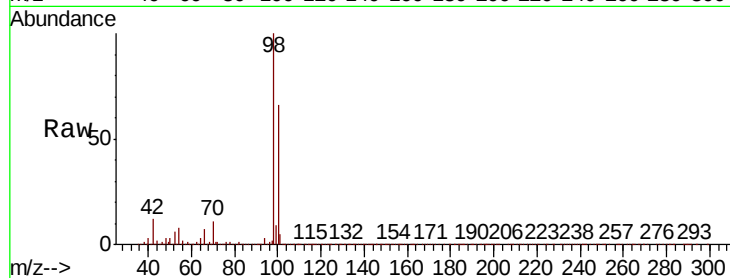
S39-0188

Tot Ion: 98 Resp: 1239303

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.807 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

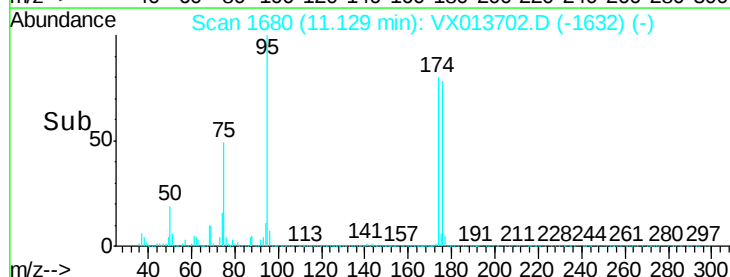
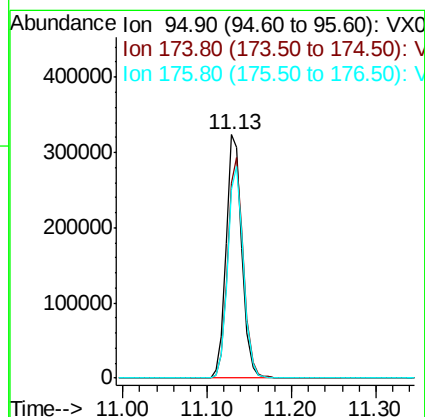
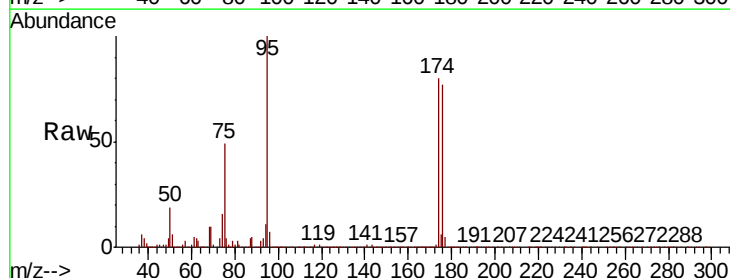
Tgt Ion: 95 Resp: 417248

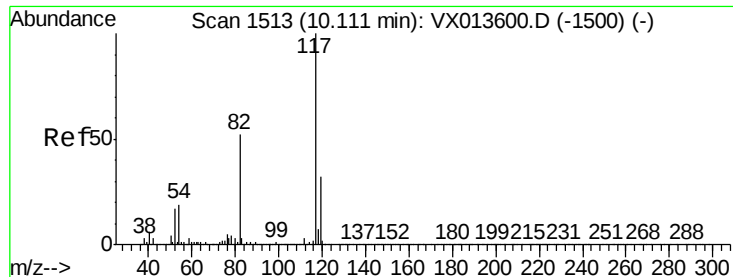
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.0

176 86.2 0.0 173.6

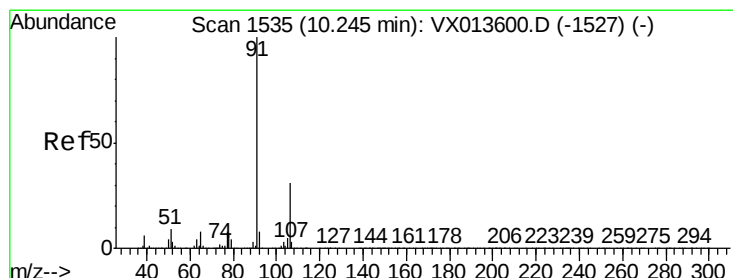
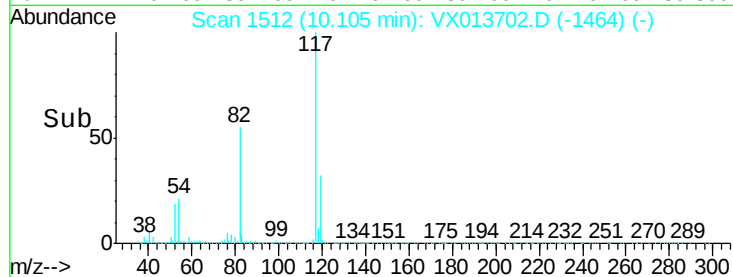
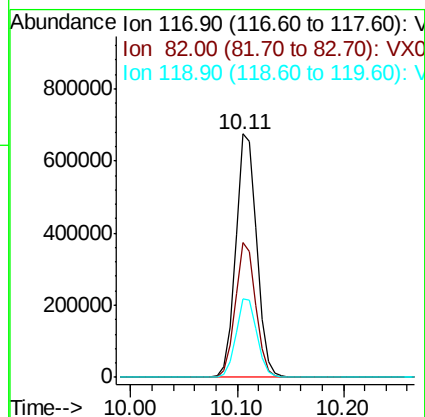
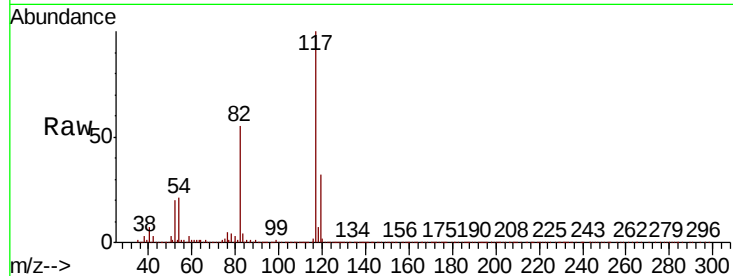




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013702.D
Acq: 29 Nov 2019 15:36

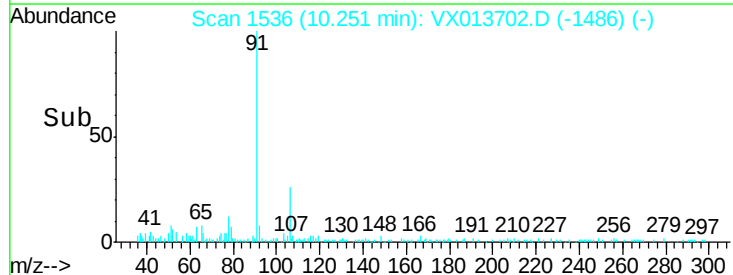
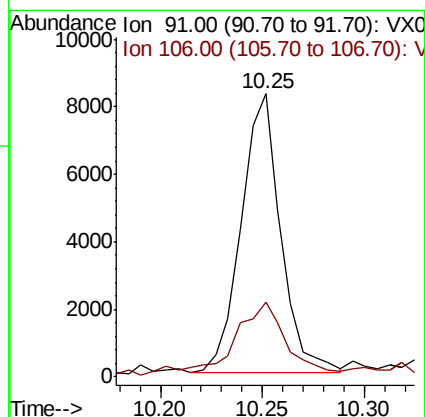
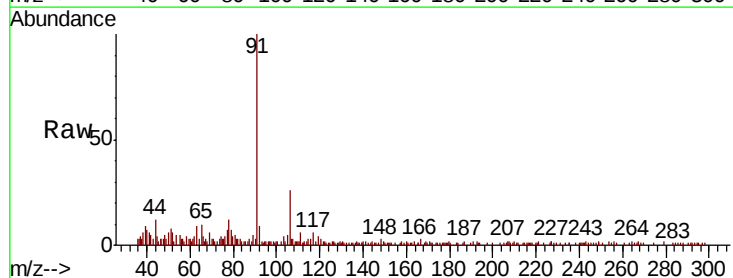
Instrument :
MSVOA_X
ClientSampled :
S39-0188

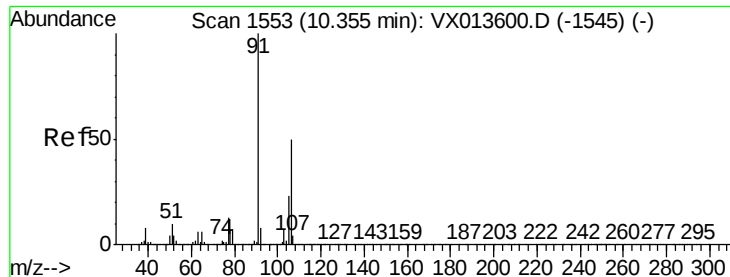
Tot Ion:117 Resp: 930972
Ion Ratio Lower Upper
117 100
82 55.1 41.8 62.8
119 32.2 25.8 38.8



#67
Ethyl Benzene
Concen: 0.337 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013702.D
Acq: 29 Nov 2019 15:36

Tgt Ion: 91 Resp: 11177
Ion Ratio Lower Upper
91 100
106 24.9 24.5 36.7





#68

m/p-Xvlenes

Concen: 0.670 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

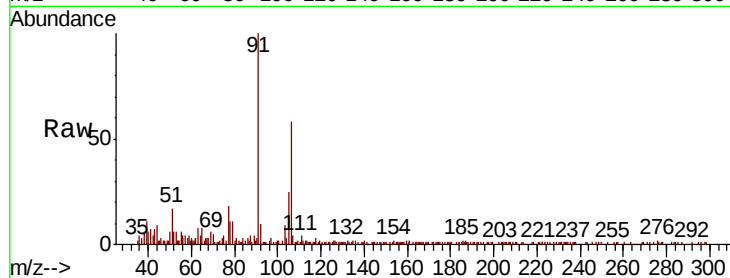
S39-0188

Tot Ion:106 Resp: 8519

Ion Ratio Lower Upper

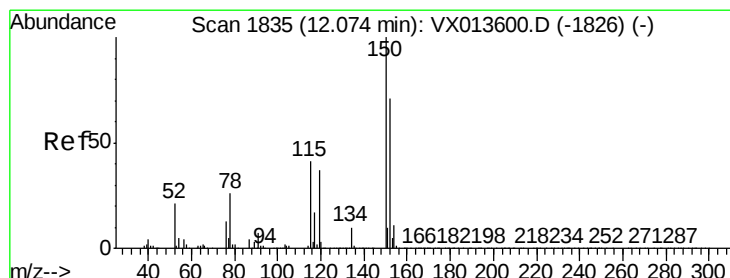
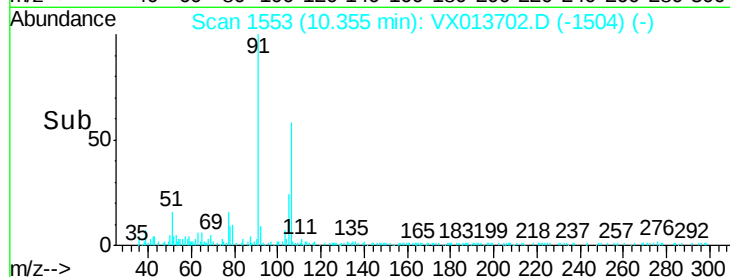
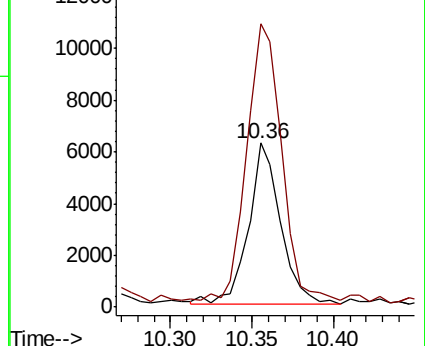
106 100

91 186.0 159.0 238.4



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013702.D

Acq: 29 Nov 2019 15:36

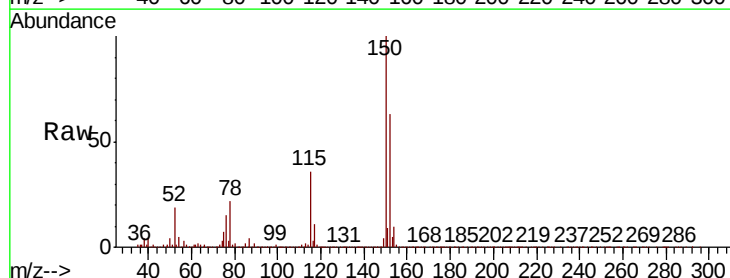
Tgt Ion:152 Resp: 416116

Ion Ratio Lower Upper

152 100

115 55.8 38.4 115.1

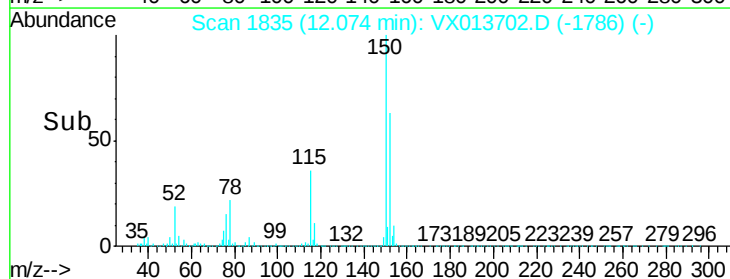
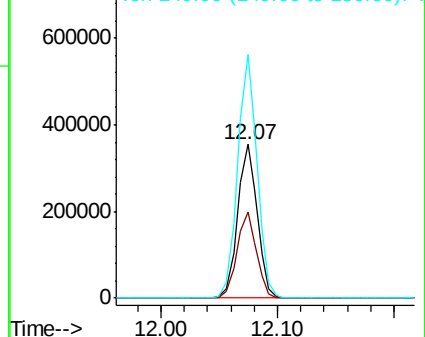
150 157.3 0.0 346.8

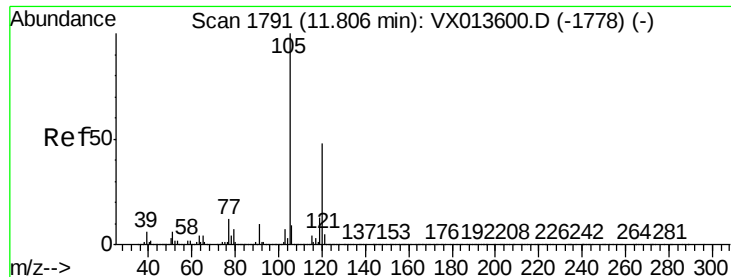


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

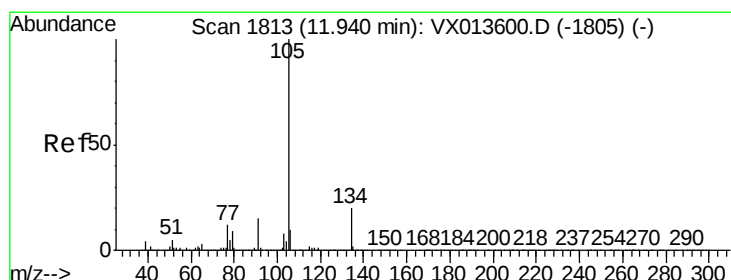
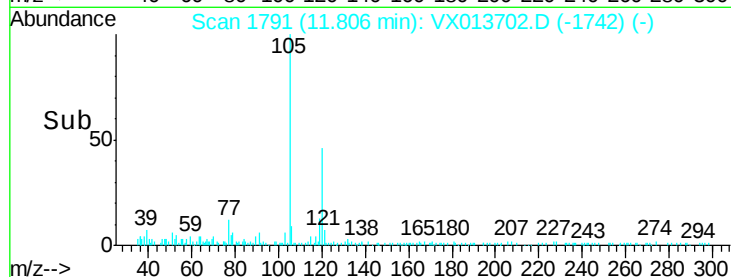
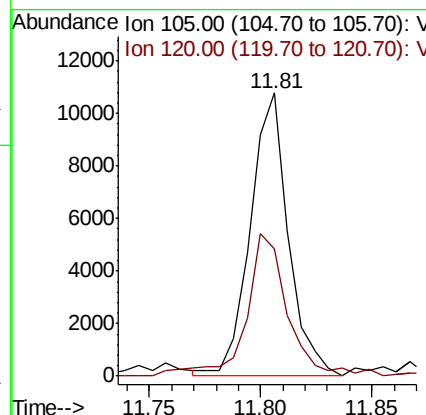
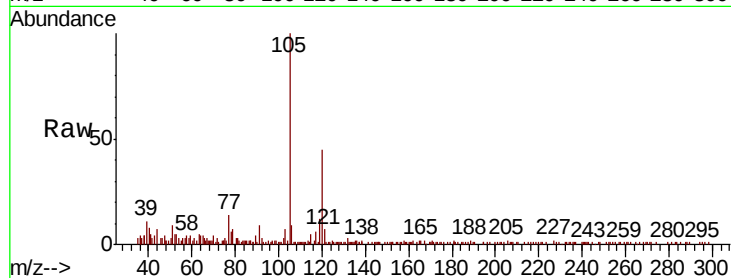




#84
 1,2,4-Trimethylbenzene
 Concen: 0.529 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX013702.D
 Acq: 29 Nov 2019 15:36

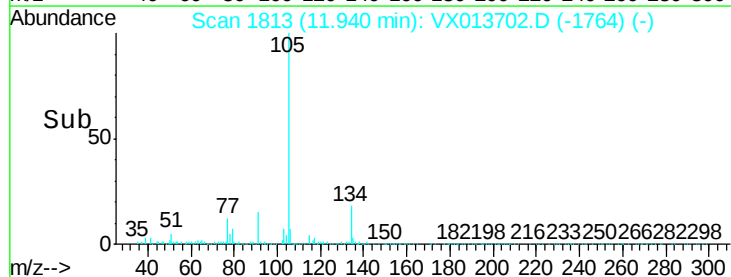
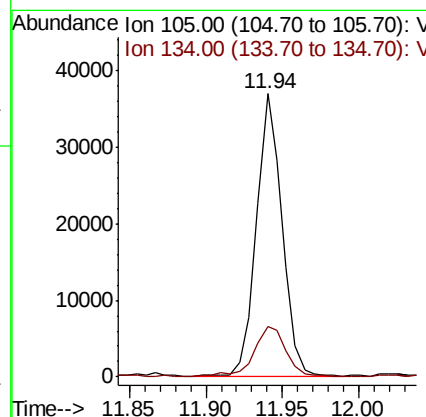
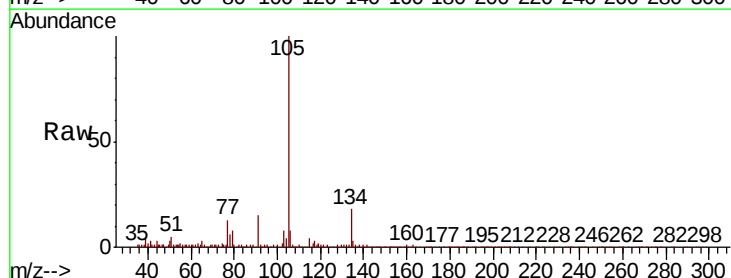
Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0188

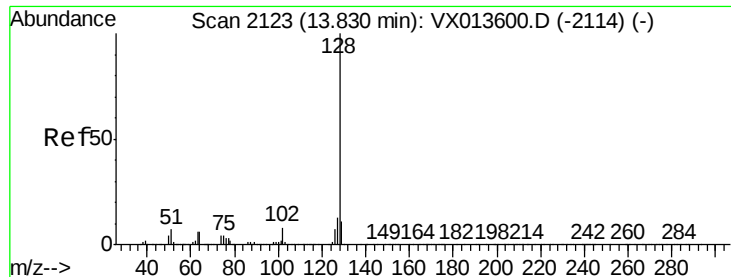
Tot Ion:105 Resp: 12844
 Ion Ratio Lower Upper
 105 100
 120 55.8 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 1.542 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013702.D
 Acq: 29 Nov 2019 15:36

Tgt Ion:105 Resp: 42817
 Ion Ratio Lower Upper
 105 100
 134 22.2 10.4 31.2

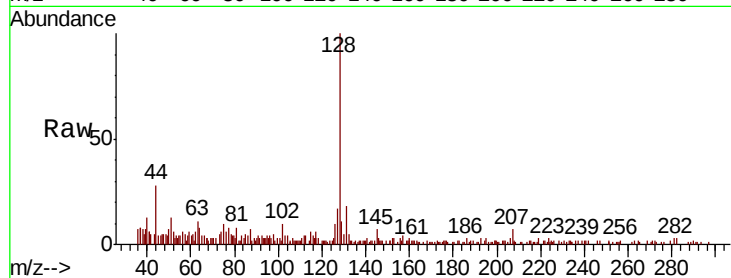




#95
Naphthalene
Concen: 0.321 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013702.D
Acq: 29 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
S39-0188

Tot Ion	Ratio	Lower	Upper
128	100		
127	24.4	10.3	15.5#
129	9.1	8.7	13.1



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

