

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
 Data File : VX006023.D
 Acq On : 15 Nov 2018 16:40
 Operator : JC/MD
 Sample : J5860-14ME
 Misc : 4.88g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-105(0-4)ME

Quant Time: Nov 16 09:59:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	141585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	197253	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	86799	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	77664	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	5.51	113	61484	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
50) Toluene-d8	8.71	98	236804	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	11.14	95	84299	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

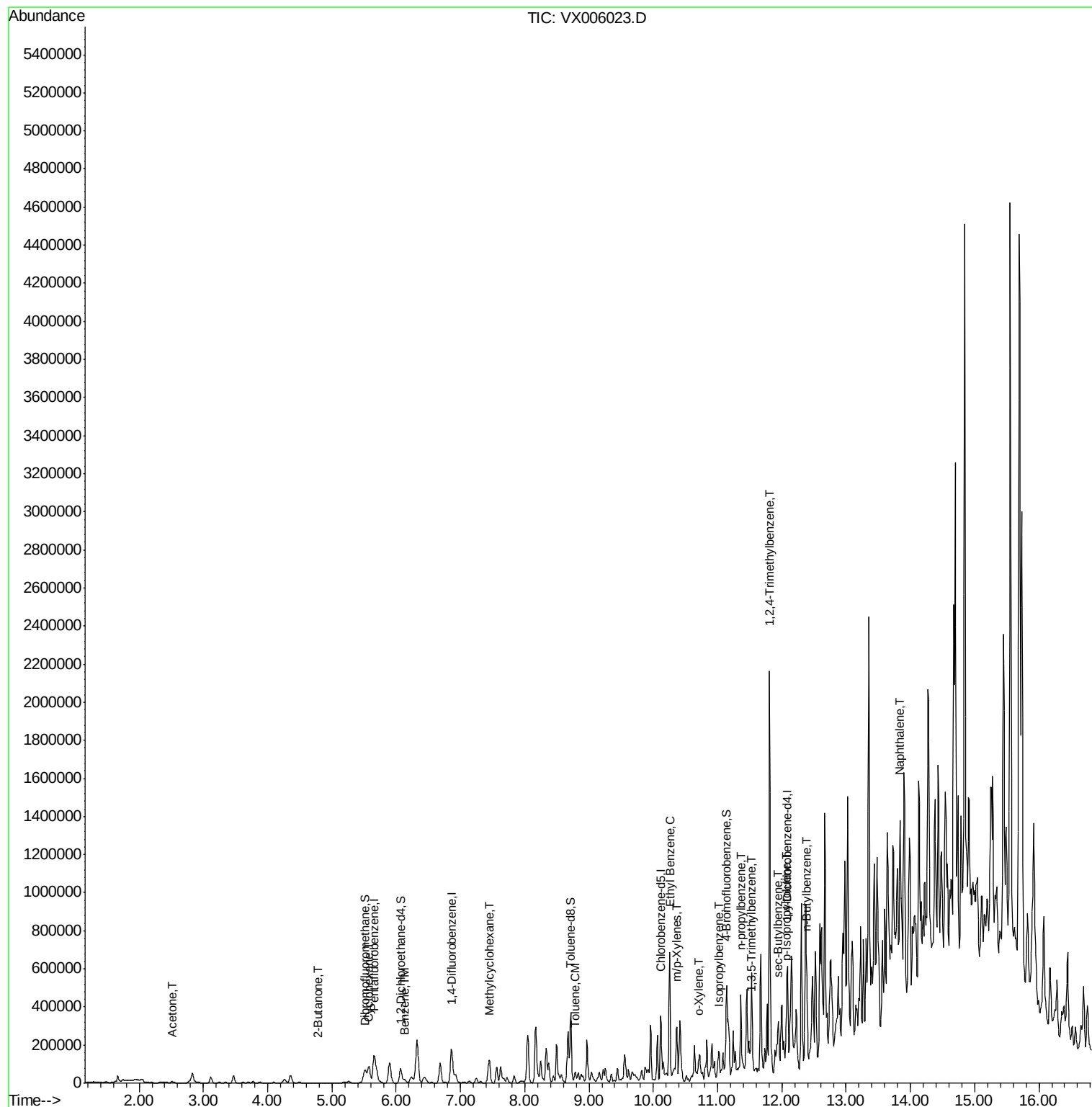
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.51	43	7644m	8.72	ug/l	
25) 2-Butanone	4.78	43	6673	4.84	ug/l	93
31) Cyclohexane	5.57	56	32247	14.22	ug/l #	60
39) Methylcyclohexane	7.45	83	50238	26.07	ug/l	92
40) Benzene	6.13	78	21372	3.86	ug/l	100
52) Toluene	8.79	92	15029	4.85	ug/l	97
67) Ethyl Benzene	10.26	91	361342	66.38	ug/l	99
68) m/p-Xylenes	10.37	106	57176	27.53	ug/l	99
69) o-Xylene	10.70	106	15845	8.51	ug/l	98
73) Isopropylbenzene	11.02	105	64635	12.88	ug/l	99
78) n-propylbenzene	11.36	91	268989	45.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	34390	8.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	858006	182.59	ug/l	99
85) sec-Butylbenzene	11.95	105	59371	11.25	ug/l	94
86) p-Isopropyltoluene	12.07	119	53295	11.40	ug/l	98
89) n-Butylbenzene	12.39	91	151598	34.99	ug/l #	60
95) Naphthalene	13.83	128	591897	93.73	ug/l #	96

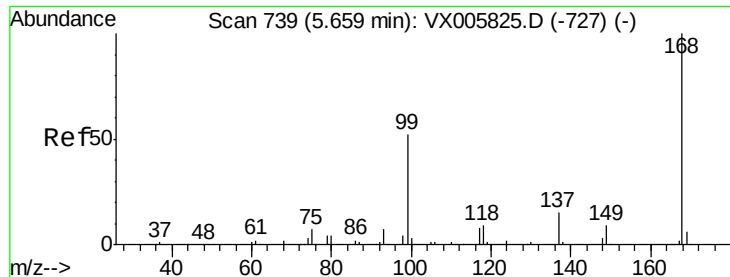
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

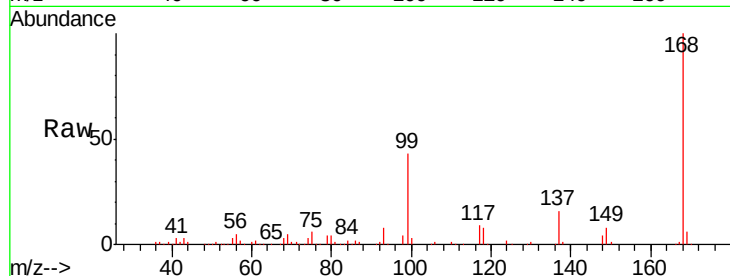
EP2-SB-105(0-4)ME

Tgt Ion:168 Resp: 141585

Ion Ratio Lower Upper

168 100

99 43.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

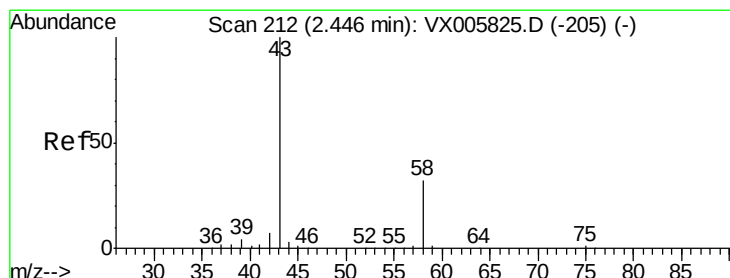
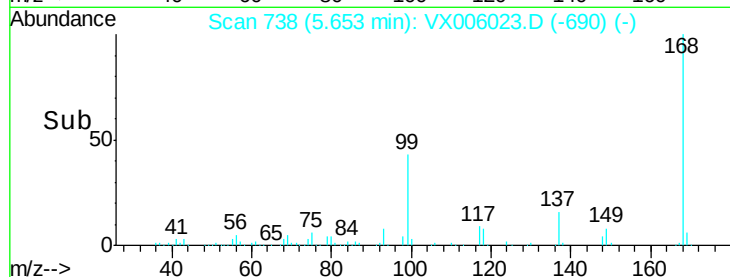
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 8.72 ug/l m

RT: 2.51 min Scan# 223

Delta R.T. 0.07 min

Lab File: VX006023.D

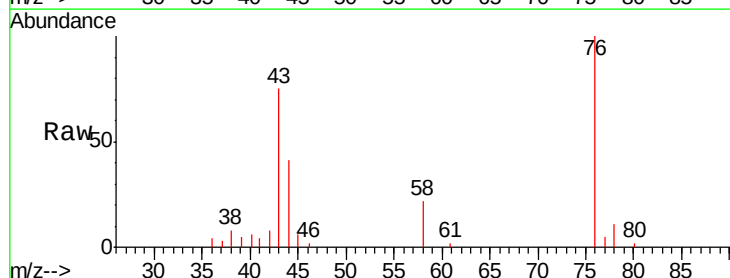
Acq: 15 Nov 2018 16:40

Tgt Ion: 43 Resp: 7644

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.51

2000

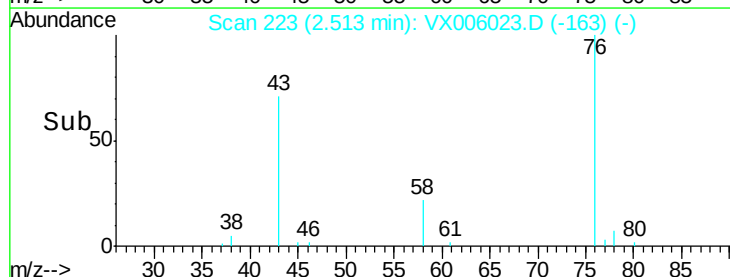
1500

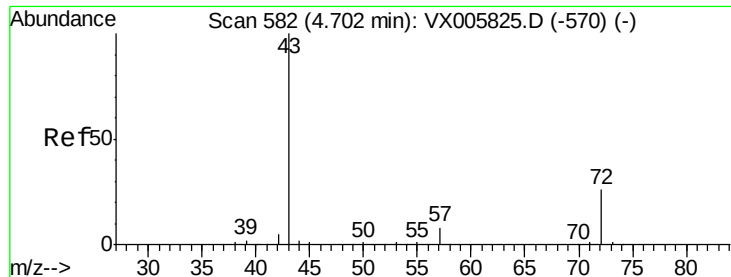
1000

500

0

Time-->





#25

2-Butanone

Concen: 4.84 ug/l

RT: 4.78 min Scan# 594

Delta R.T. 0.07 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

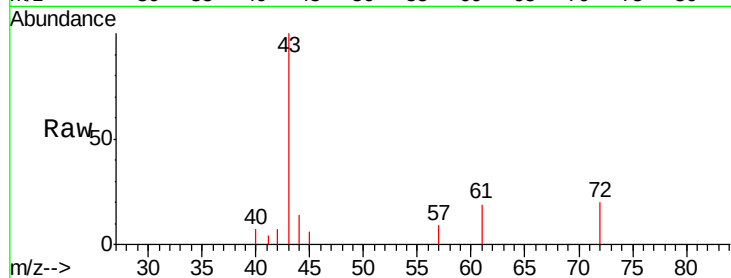
EP2-SB-105(0-4)ME

Tgt Ion: 43 Resp: 6673

Ion Ratio Lower Upper

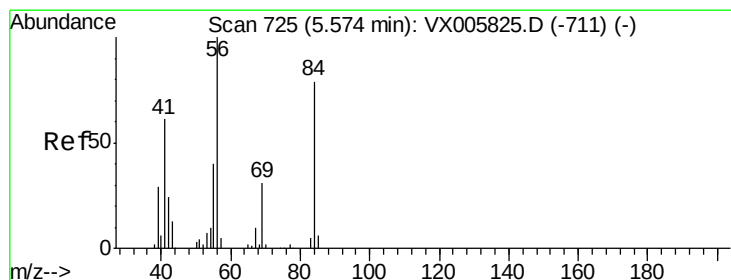
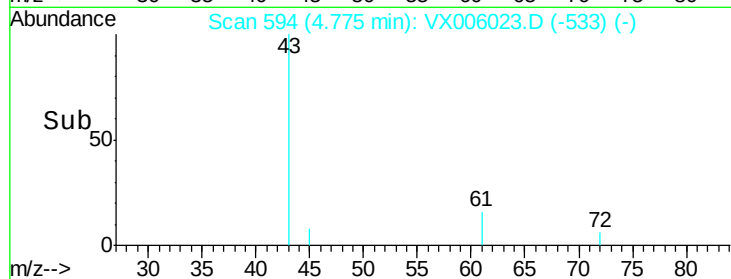
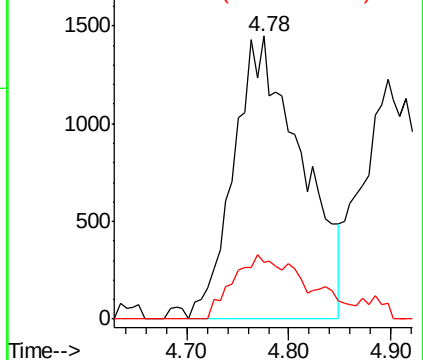
43 100

72 20.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 14.22 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

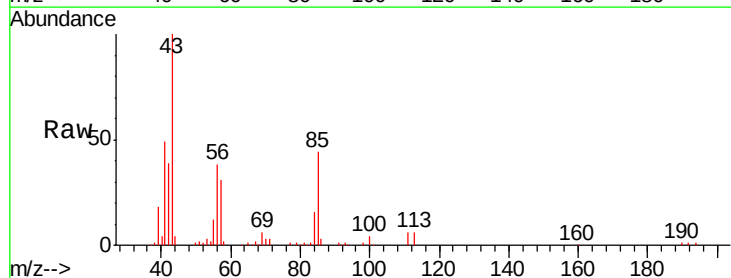
Tgt Ion: 56 Resp: 32247

Ion Ratio Lower Upper

56 100

69 11.9 22.6 34.0#

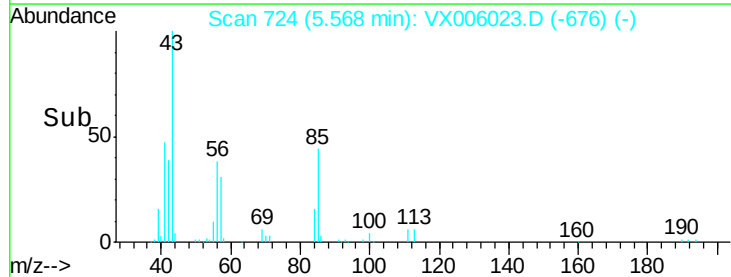
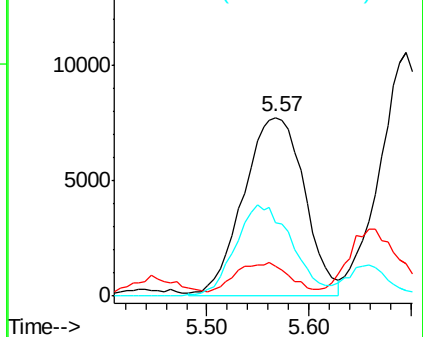
84 41.1 62.7 94.1#

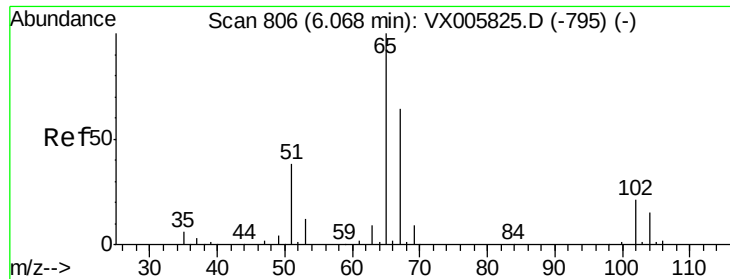


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

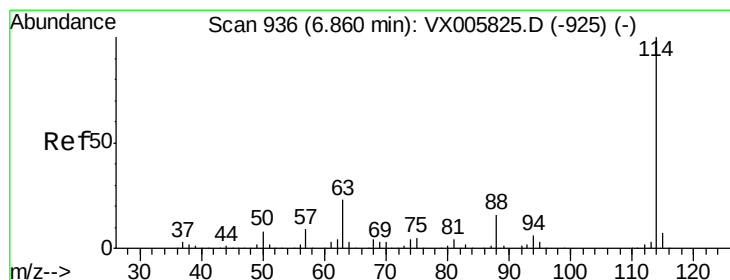
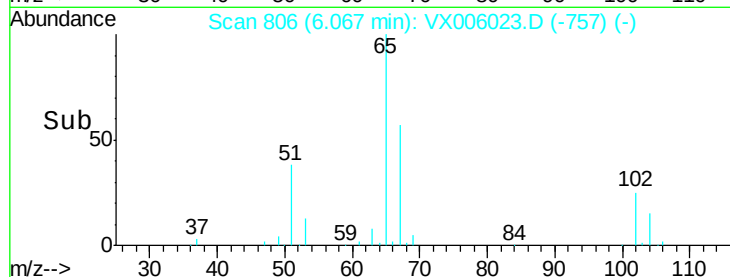
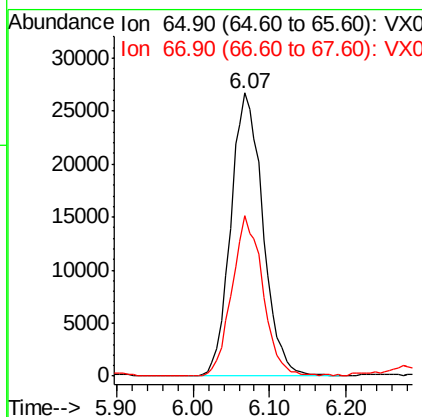
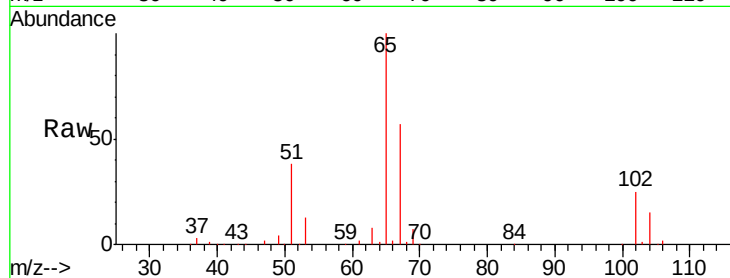




#33
 1,2-Dichloroethane-d4
 Concen: 47.71 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

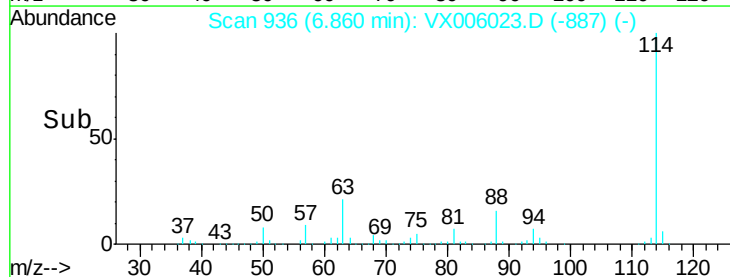
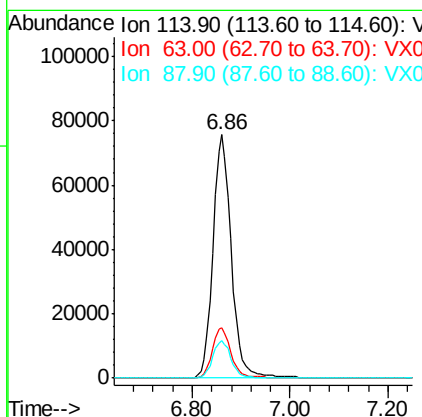
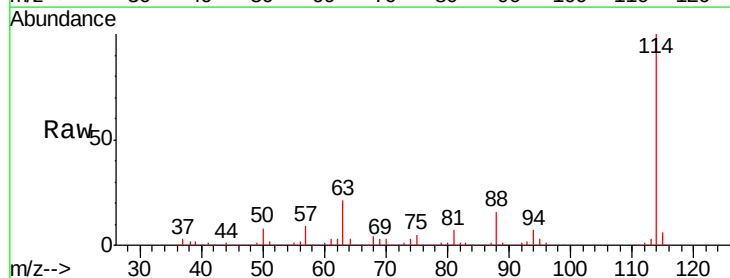
Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-105(0-4)ME

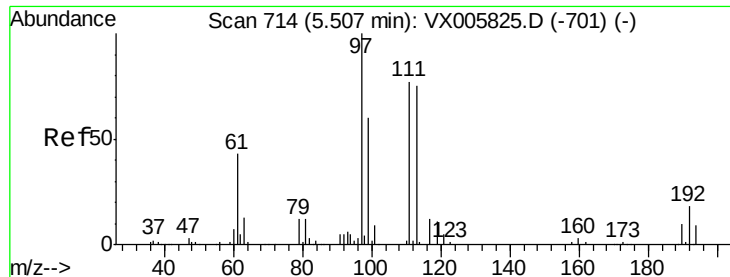
Tgt Ion: 65 Resp: 77664
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Tgt Ion: 114 Resp: 197253
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 15.6 0.0 31.2

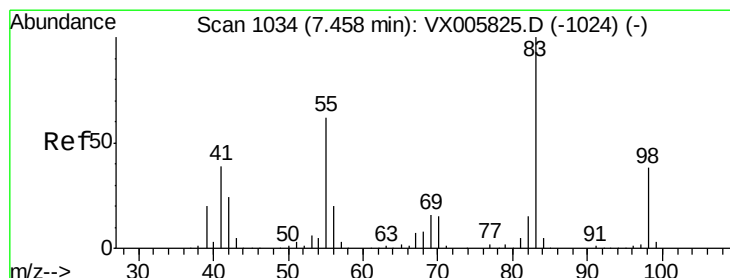
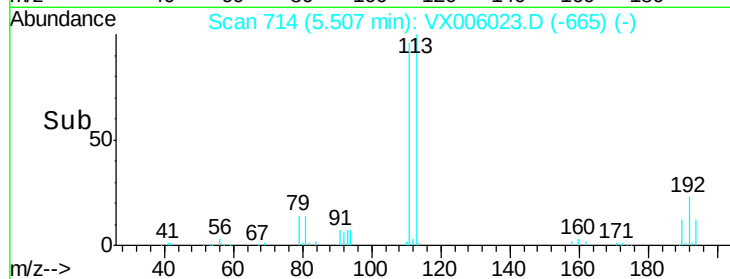
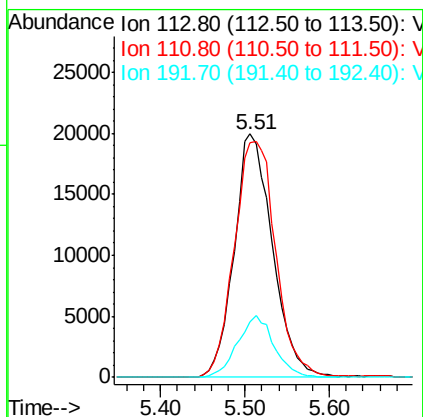
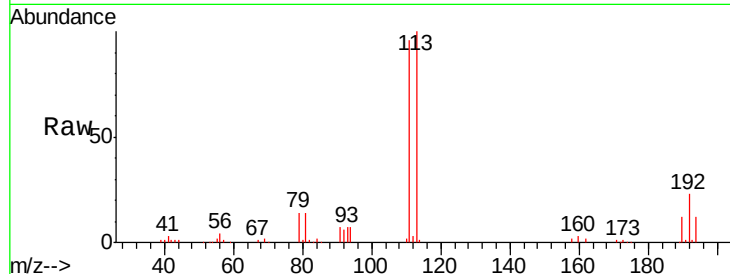




#35
 Dibromofluoromethane
 Concen: 45.83 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

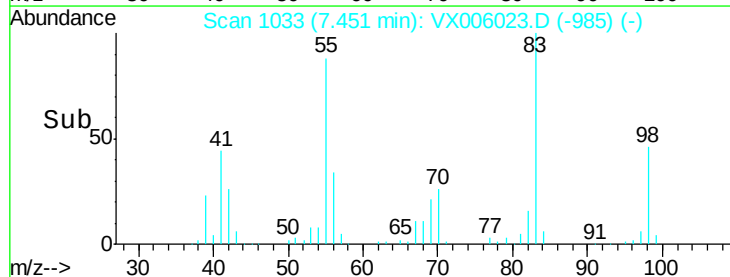
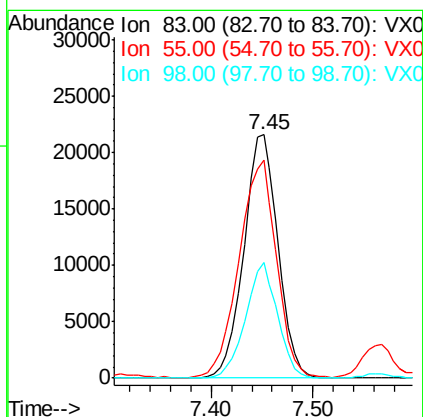
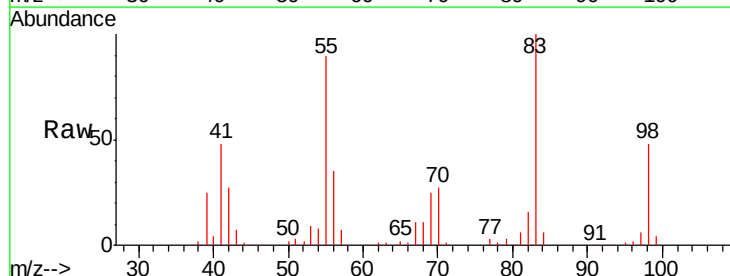
Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-105(0-4)ME

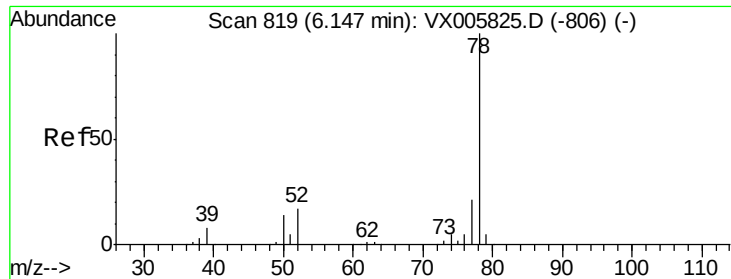
Tgt Ion: 113 Resp: 61484
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.3 123.5
 192 24.1 17.9 26.9



#39
 Methylcyclohexane
 Concen: 26.07 ug/l
 RT: 7.45 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Tgt Ion: 83 Resp: 50238
 Ion Ratio Lower Upper
 83 100
 55 89.3 63.7 95.5
 98 47.6 36.2 54.2





#40

Benzene

Concen: 3.86 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

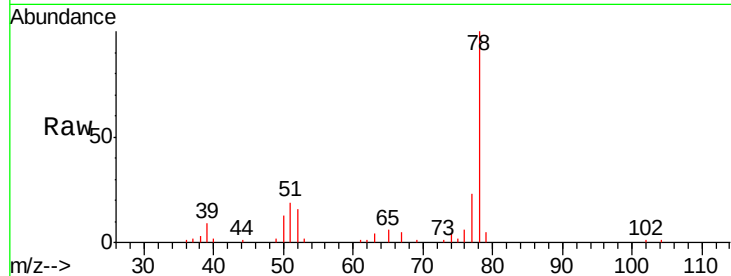
EP2-SB-105(0-4)ME

Tgt Ion: 78 Resp: 21372

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.13

8000

6000

4000

2000

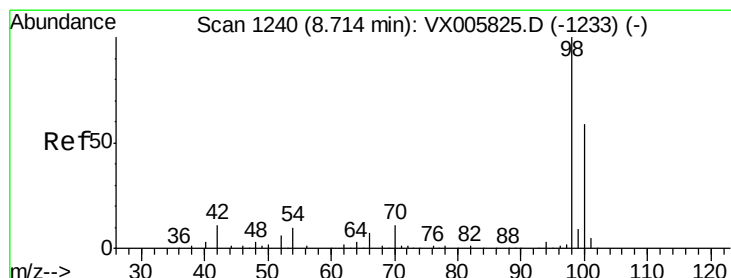
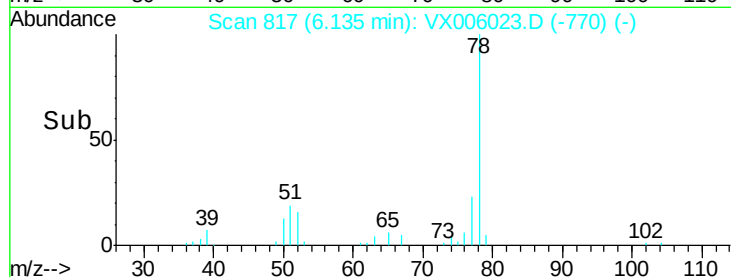
0

Time-->

6.00

6.10

6.20



#50

Toluene-d8

Concen: 53.09 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006023.D

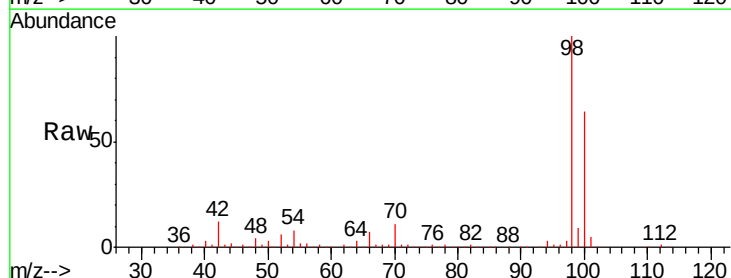
Acq: 15 Nov 2018 16:40

Tgt Ion: 98 Resp: 236804

Ion Ratio Lower Upper

98 100

100 63.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

150000

100000

50000

0

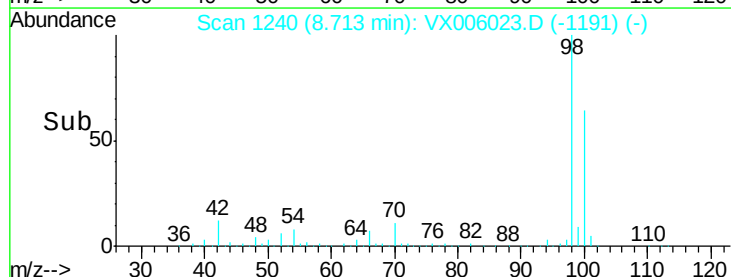
Time-->

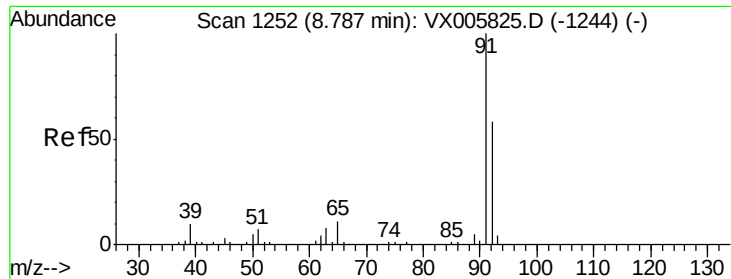
8.60

8.70

8.80

8.90





#52

Toluene

Concen: 4.85 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

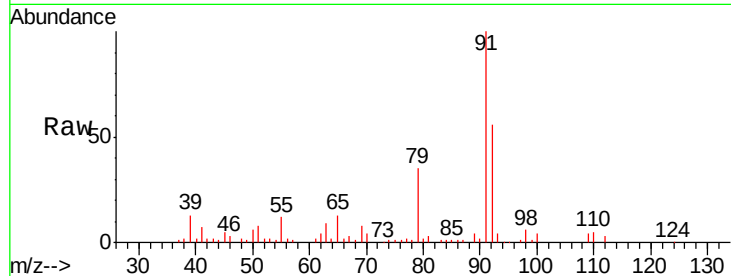
EP2-SB-105(0-4)ME

Tgt Ion: 92 Resp: 15029

Ion Ratio Lower Upper

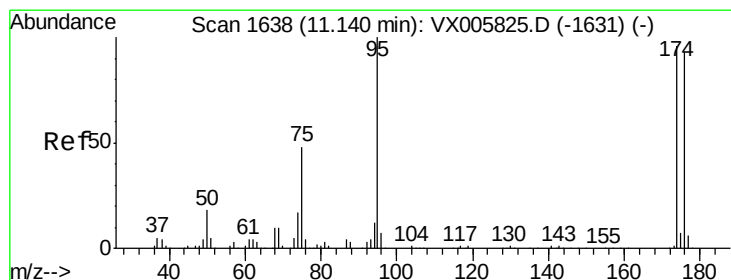
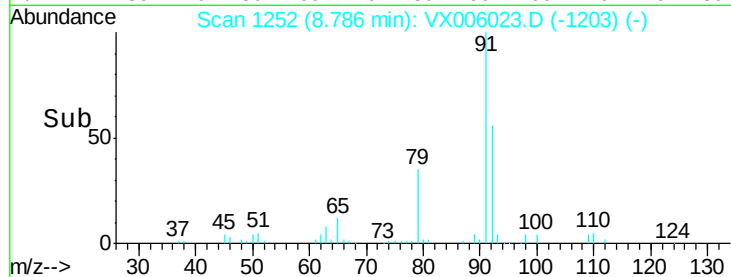
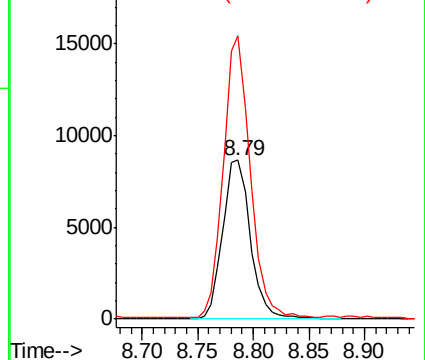
92 100

91 170.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.57 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

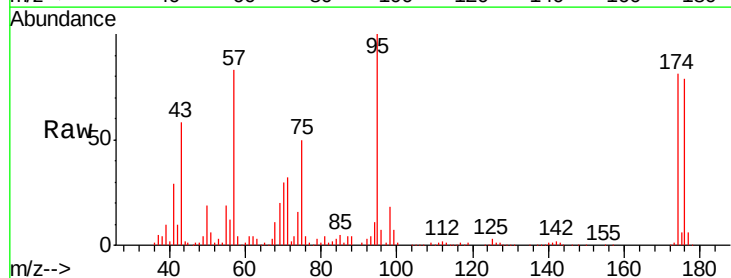
Tgt Ion: 95 Resp: 84299

Ion Ratio Lower Upper

95 100

174 87.7 0.0 184.4

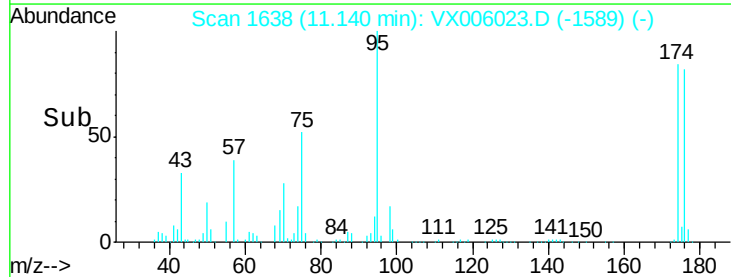
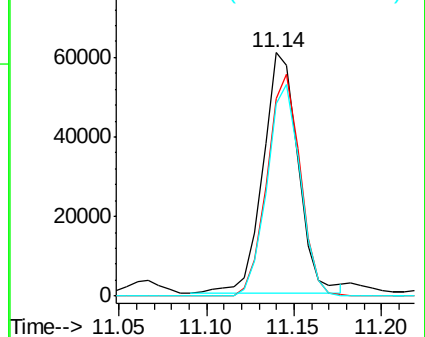
176 83.9 0.0 177.4

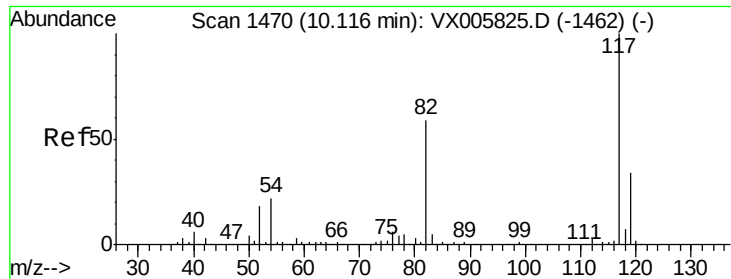


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-105(0-4)ME

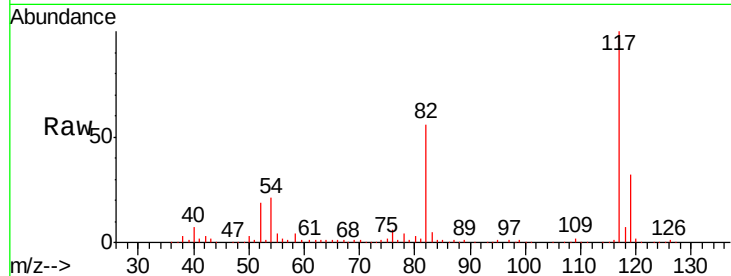
Tgt Ion: 117 Resp: 169467

Ion Ratio Lower Upper

117 100

82 55.7 44.1 66.1

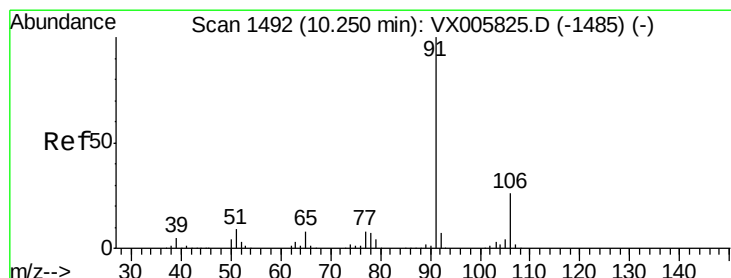
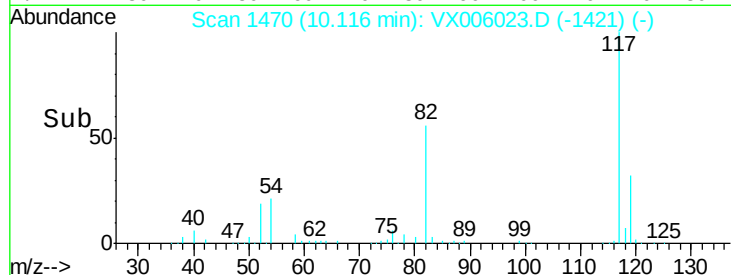
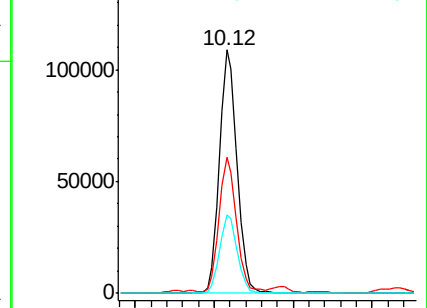
119 32.3 26.2 39.2



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: 66.38 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006023.D

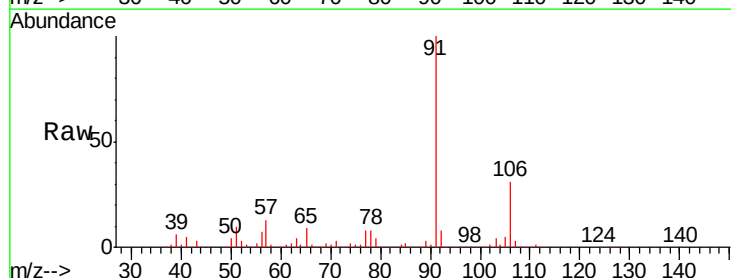
Acq: 15 Nov 2018 16:40

Tgt Ion: 91 Resp: 361342

Ion Ratio Lower Upper

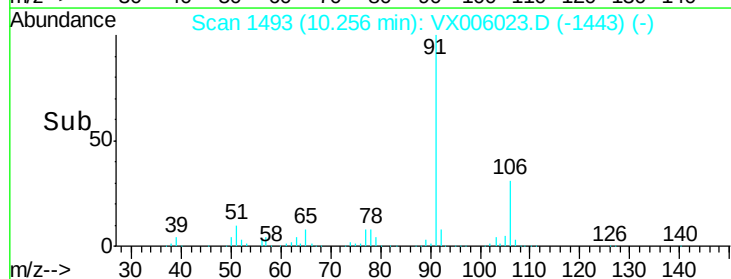
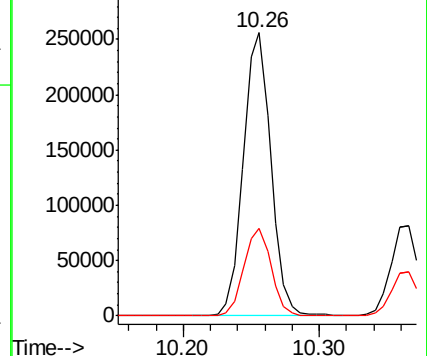
91 100

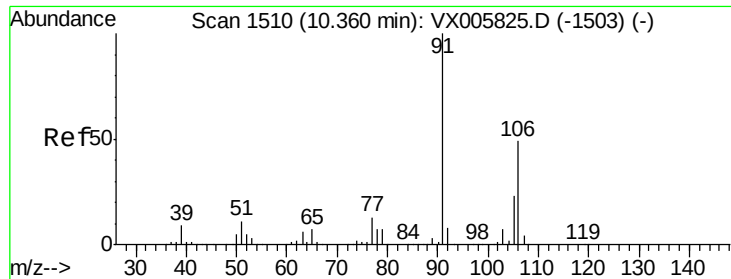
106 31.1 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

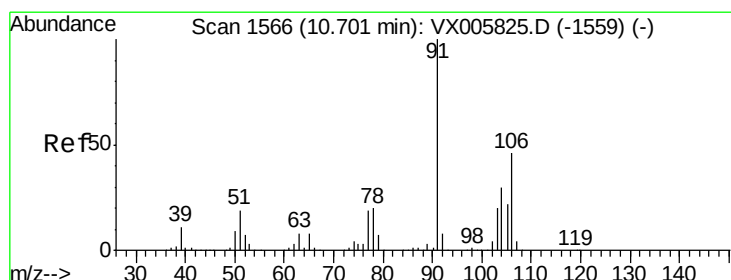
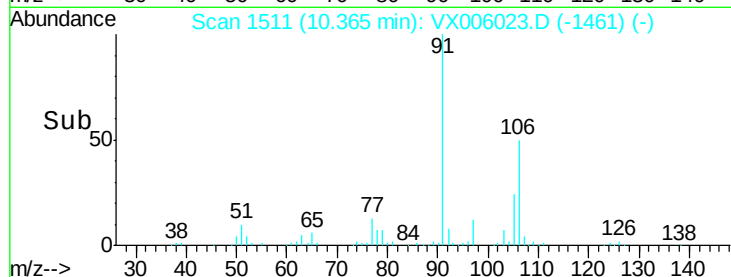
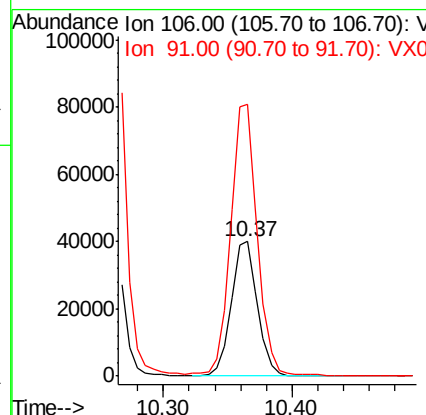
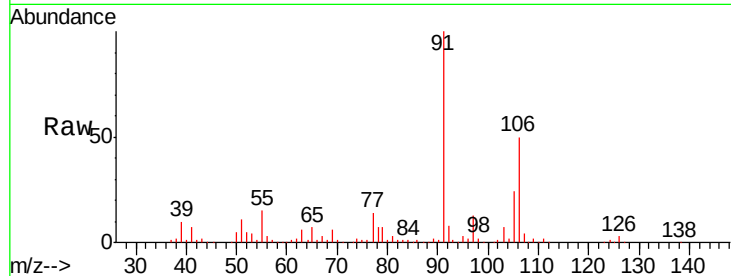




#68
m/p-Xylenes
Concen: 27.53 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

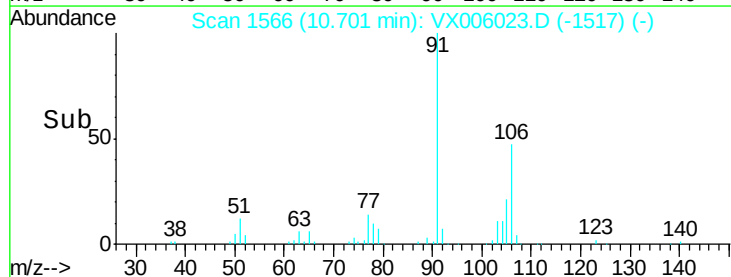
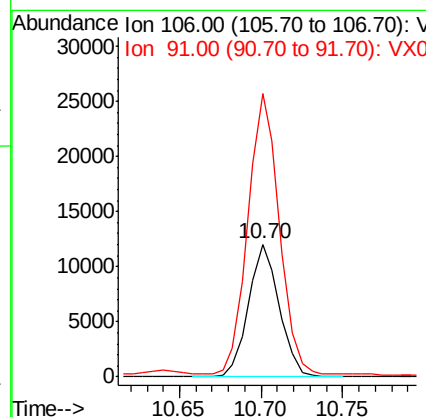
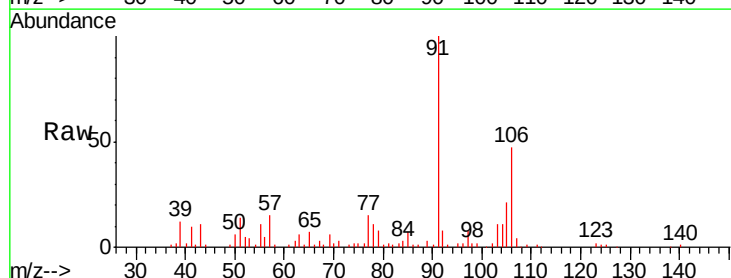
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-105(0-4)ME

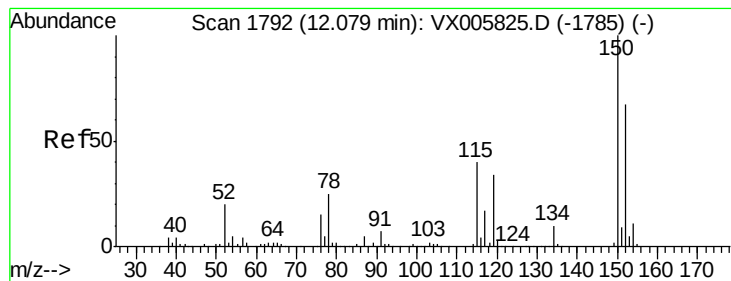
Tgt Ion:106 Resp: 57176
Ion Ratio Lower Upper
106 100
91 203.9 164.2 246.4



#69
o-Xylene
Concen: 8.51 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:106 Resp: 15845
Ion Ratio Lower Upper
106 100
91 214.4 108.5 325.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

EP2-SB-105(0-4)ME

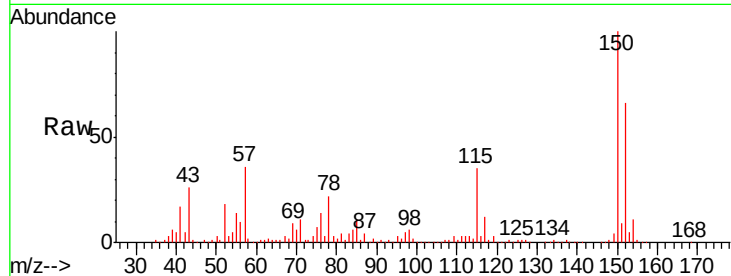
Tgt Ion:152 Resp: 86799

Ion Ratio Lower Upper

152 100

115 60.2 39.4 118.1

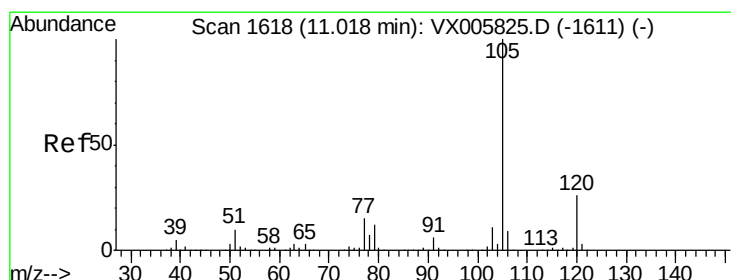
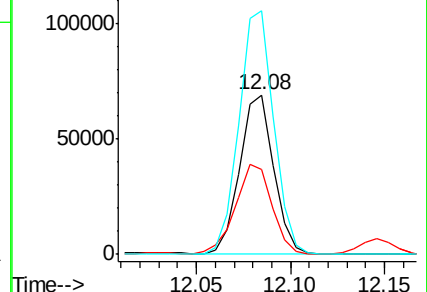
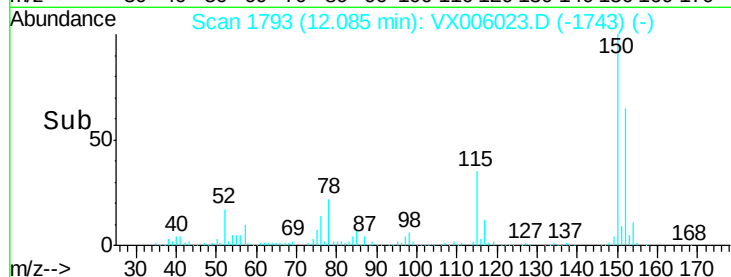
150 156.6 0.0 346.4



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



#73

Isopropylbenzene

Concen: 12.88 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX006023.D

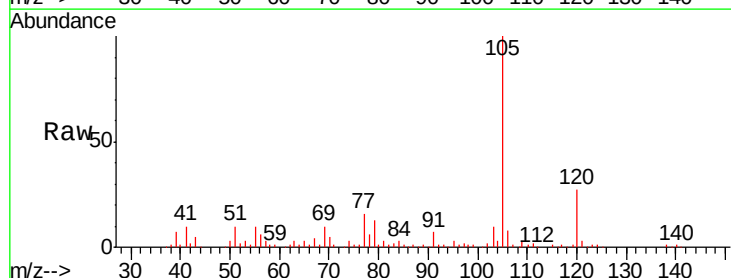
Acq: 15 Nov 2018 16:40

Tgt Ion:105 Resp: 64635

Ion Ratio Lower Upper

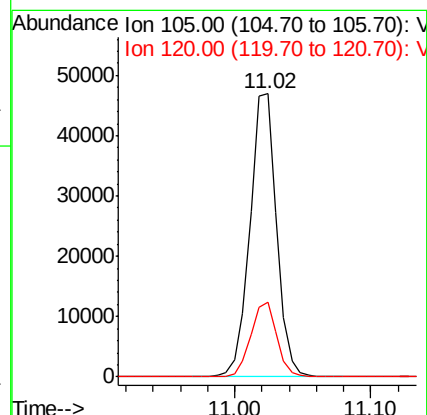
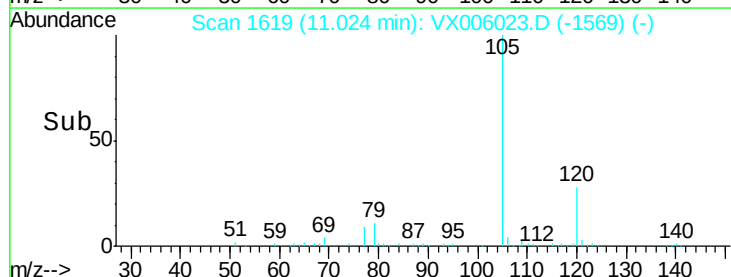
105 100

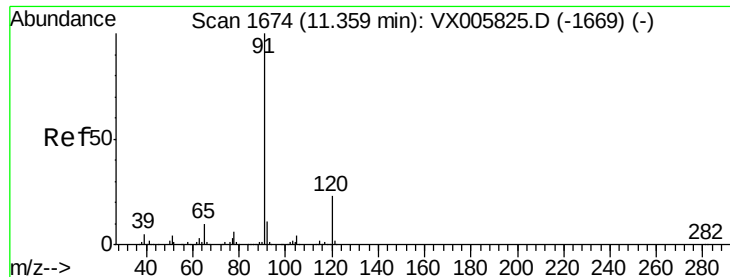
120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 45.47 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

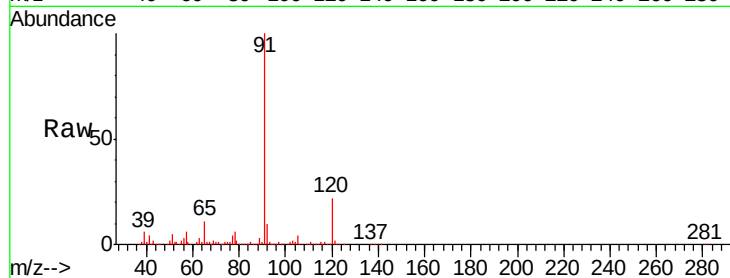
EP2-SB-105(0-4)ME

Tgt Ion: 91 Resp: 268989

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

200000

150000

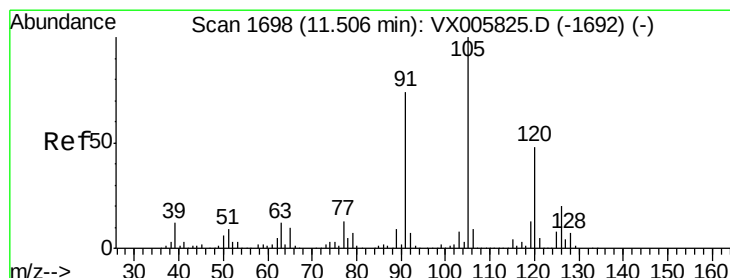
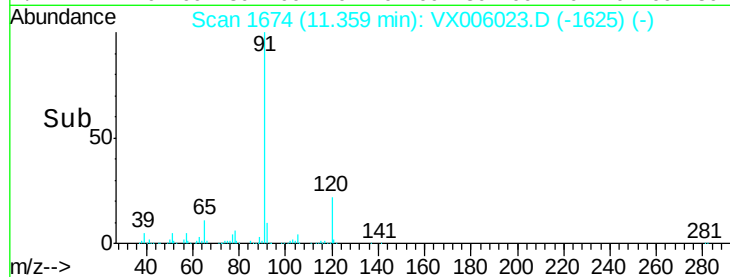
100000

50000

0

11.30 11.35 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 8.06 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX006023.D

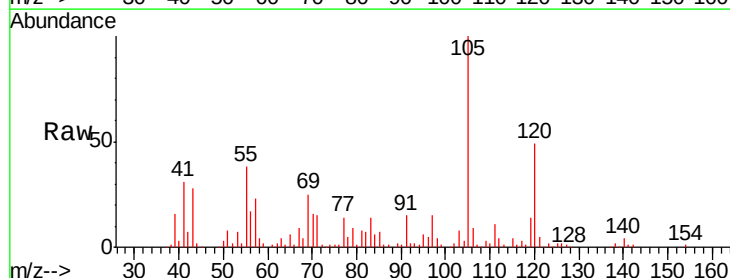
Acq: 15 Nov 2018 16:40

Tgt Ion: 105 Resp: 34390

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

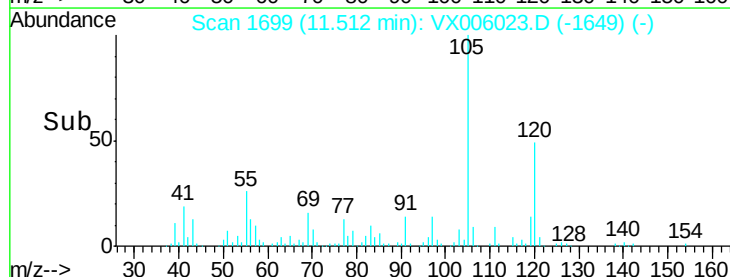
100000

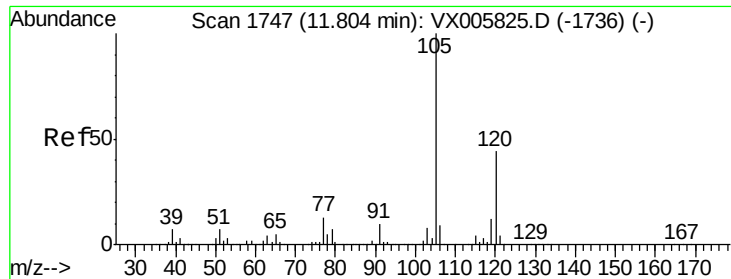
50000

0

11.45 11.50 11.55 11.60

Time-->

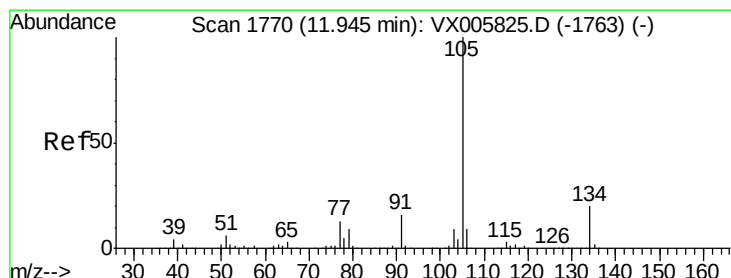
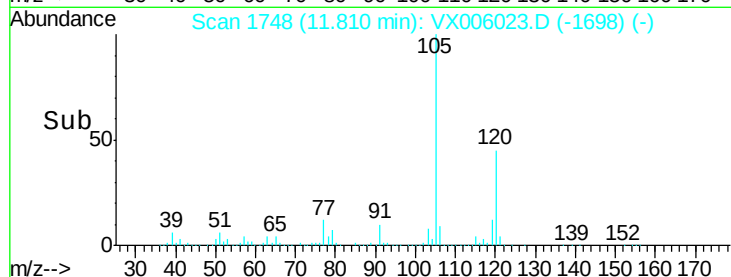
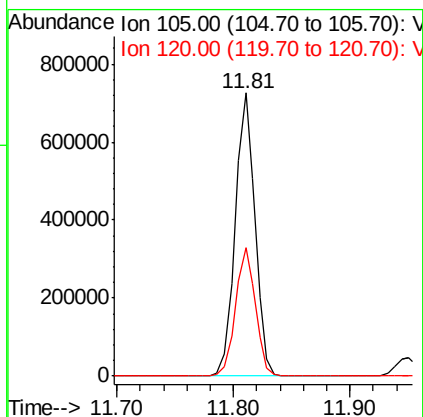
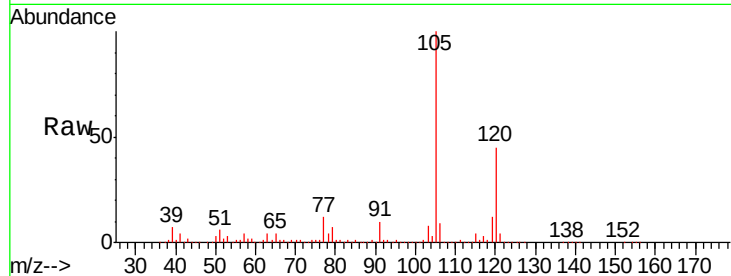




#84
 1,2,4-Trimethylbenzene
 Concen: 182.59 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

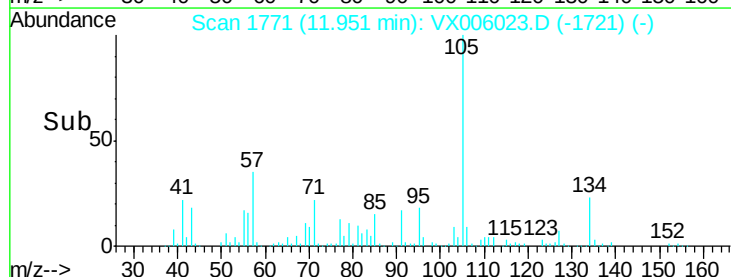
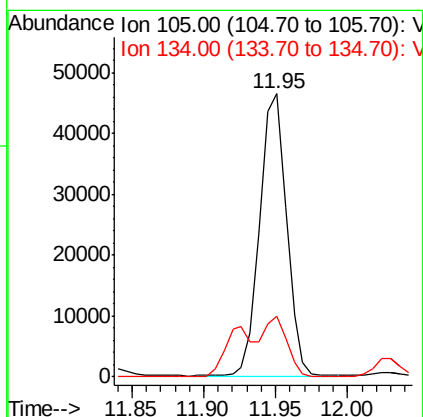
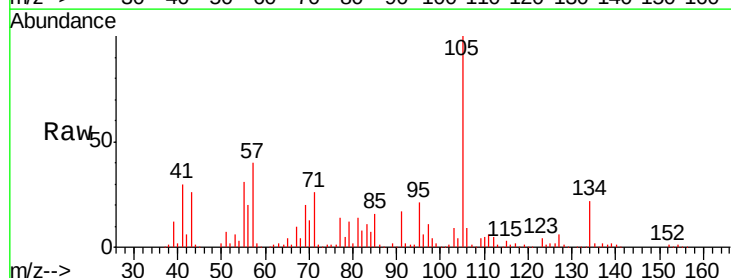
Instrument :
 MSVOA_X
 ClientSampleId :
 EP2-SB-105(0-4)ME

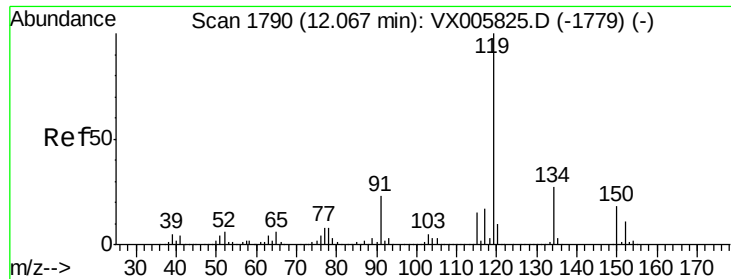
Tgt Ion:105 Resp: 858006
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 11.25 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Tgt Ion:105 Resp: 59371
 Ion Ratio Lower Upper
 105 100
 134 17.4 10.2 30.4

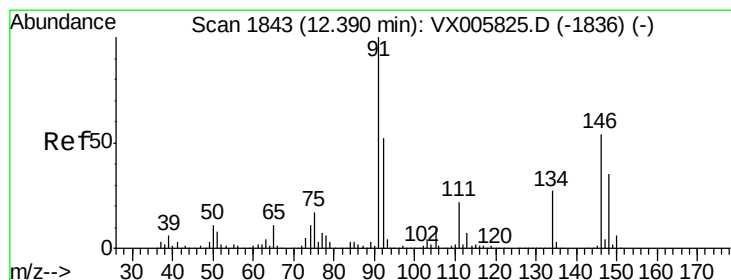
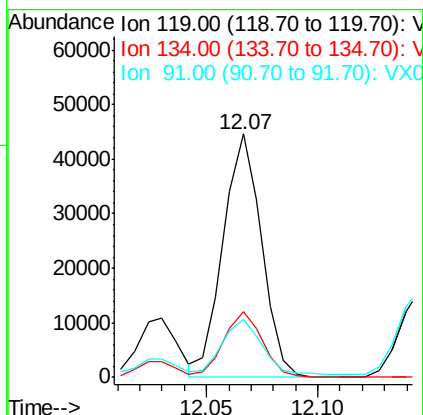
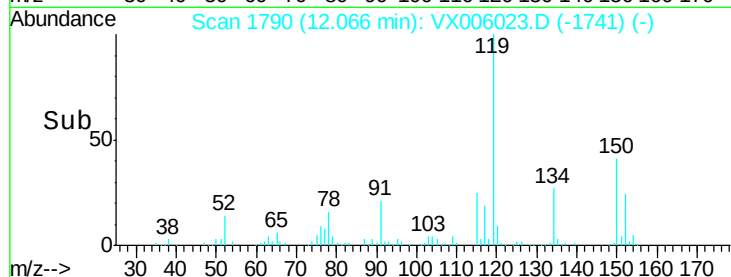
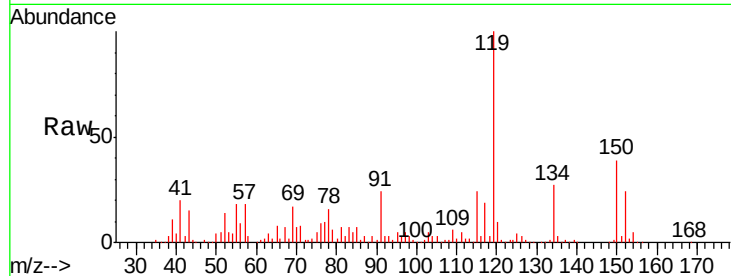




#86
p-Isopropyltoluene
Concen: 11.40 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

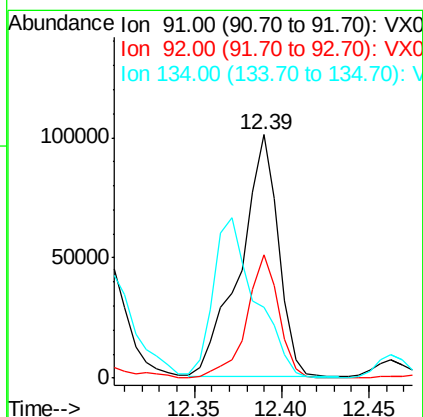
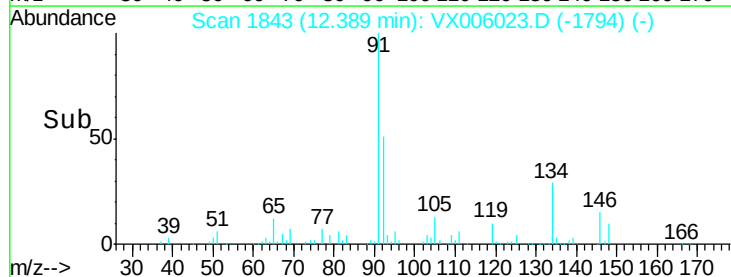
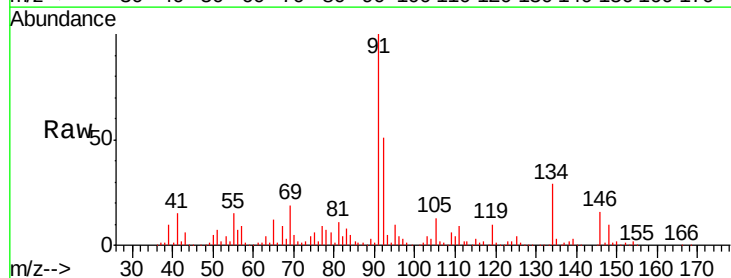
Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-105(0-4)ME

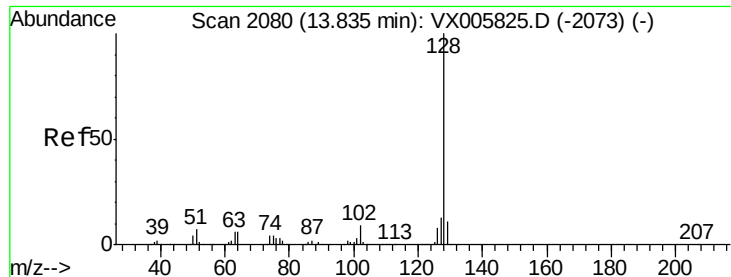
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.0	39.0
91	23.8	11.4	34.2



#89
n-Butylbenzene
Concen: 34.99 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	43.2	26.1	78.2
134	74.4	13.1	39.3





#95
Naphthalene
Concen: 93.73 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
EP2-SB-105(0-4)ME

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	13.7	8.7	13.1

