

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027275.D
 Acq On : 28 Sep 2018 16:38
 Operator : MD/SY
 Sample : J5041-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0246

Quant Time: Oct 02 07:10:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

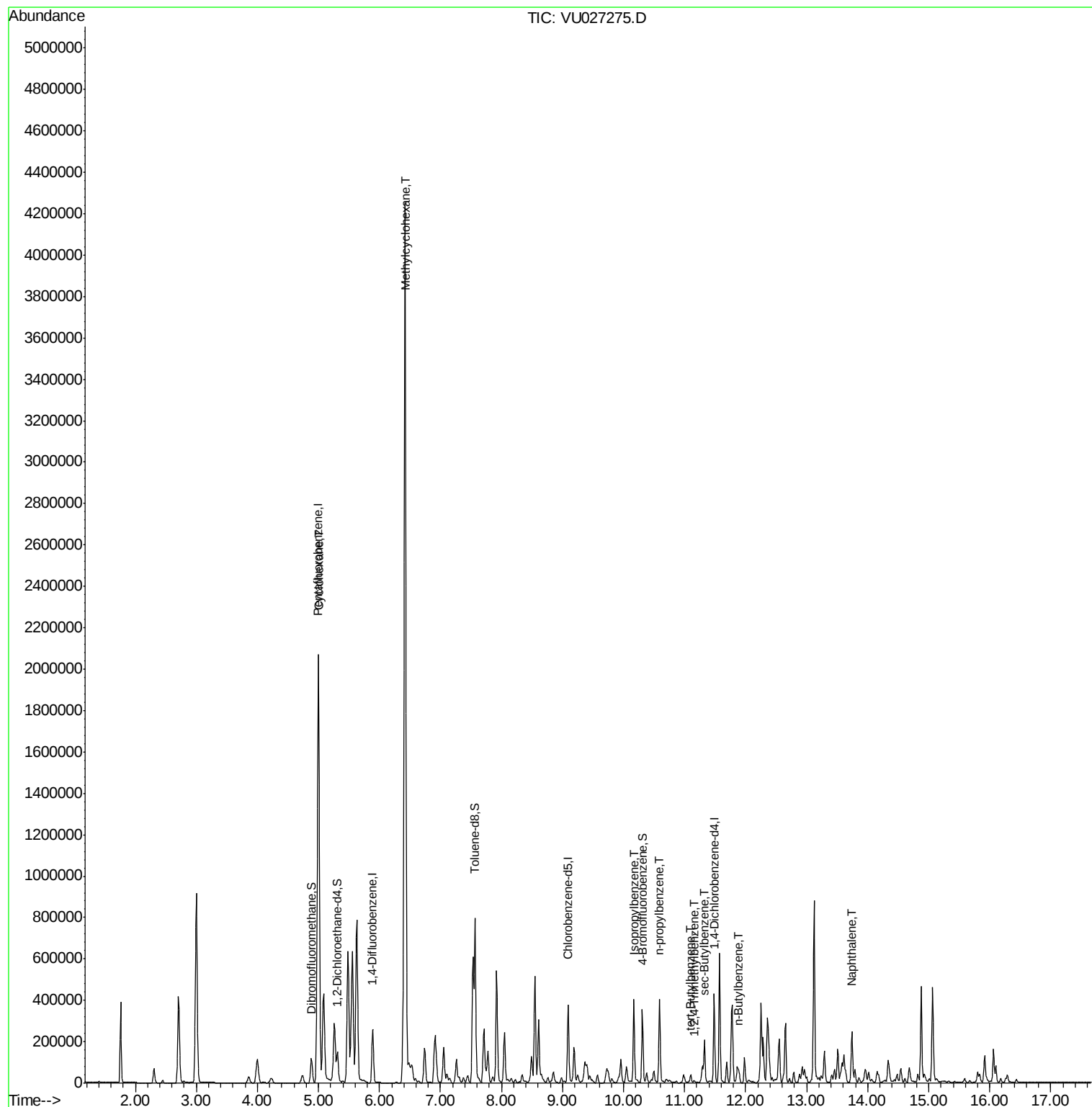
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	128329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	208137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	200351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	115427	44.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.38%	
35) Dibromofluoromethane	4.88	113	83670	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
50) Toluene-d8	7.57	98	361615	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	10.31	95	118304	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.00	56	1132996	297.160	ug/l	100
39) Methylcyclohexane	6.42	83	1739044	576.088	ug/l	99
73) Isopropylbenzene	10.17	105	255883	32.408	ug/l	99
78) n-propylbenzene	10.59	91	304501	32.593	ug/l	100
83) tert-Butylbenzene	11.10	119	15898	2.467	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	2563m	0.386	ug/l	
85) sec-Butylbenzene	11.32	105	130024	16.530	ug/l	99
89) n-Butylbenzene	11.89	91	33131	6.801	ug/l #	76
95) Naphthalene	13.74	128	173640	21.213	ug/l	97

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

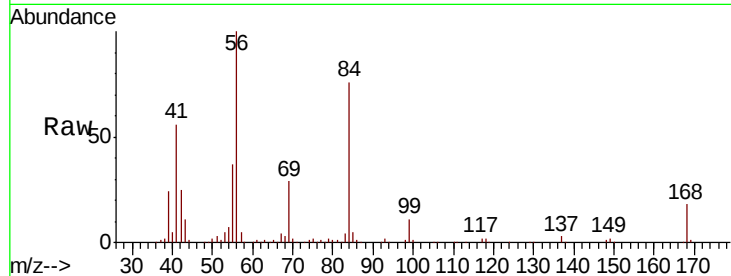
S13-0246

Tot Ion:168 Resp: 128329

Ion Ratio Lower Upper

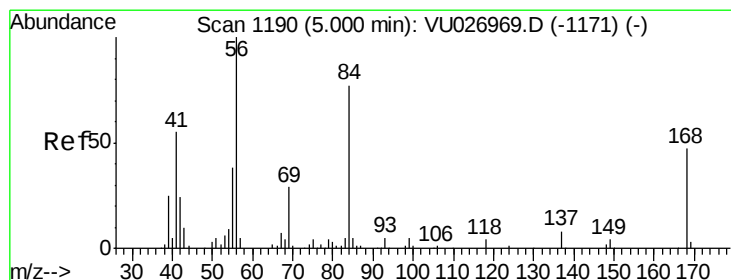
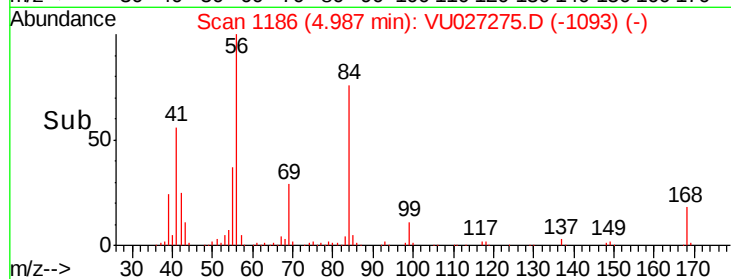
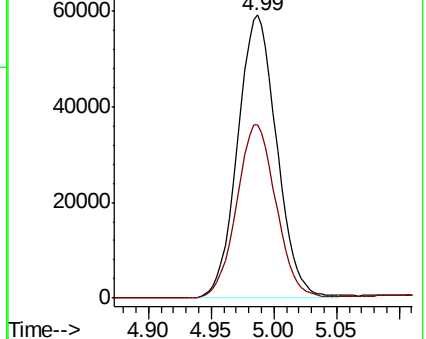
168 100

99 61.2 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#31

Cyclohexane

Concen: 297.160 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

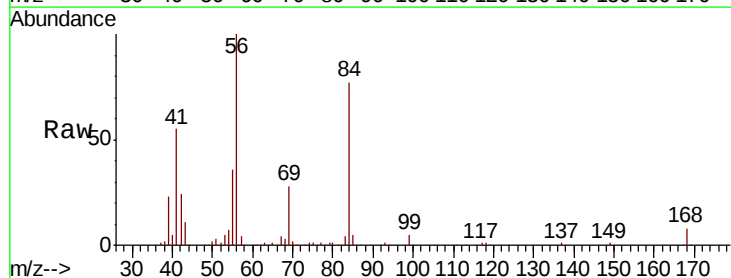
Tgt Ion: 56 Resp: 1132996

Ion Ratio Lower Upper

56 100

69 28.2 23.0 34.4

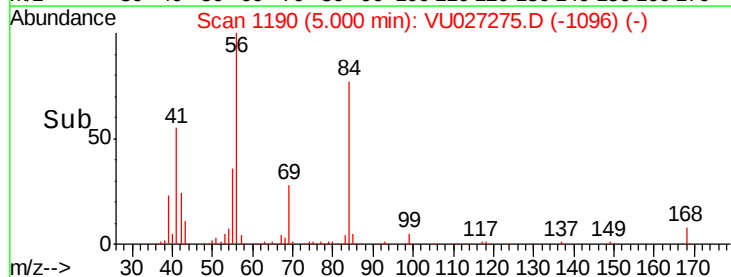
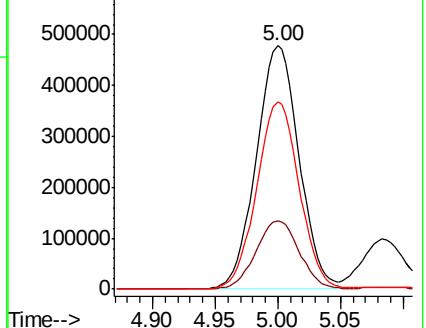
84 76.9 61.4 92.2

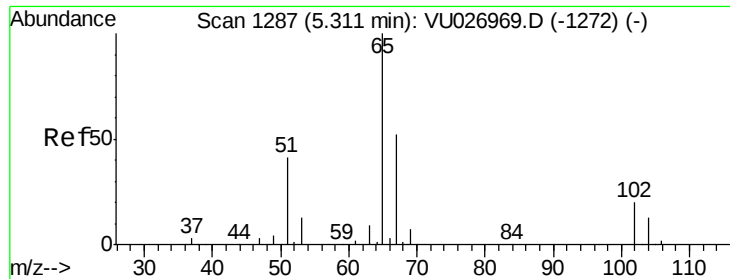


Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

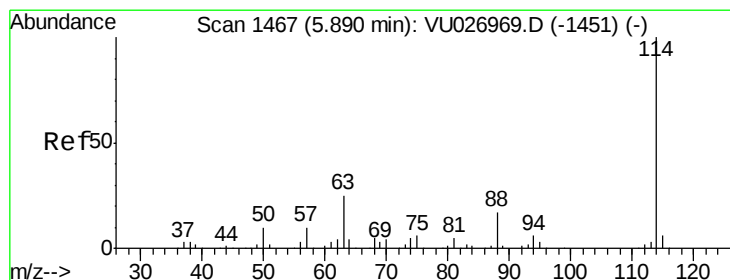
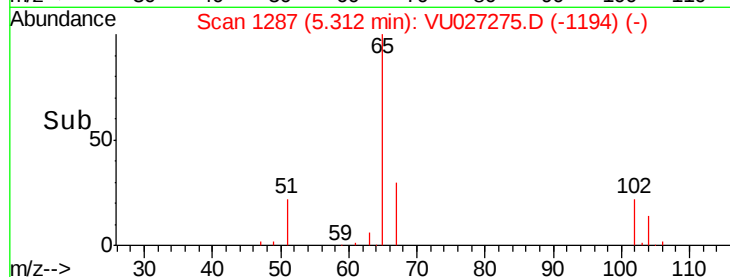
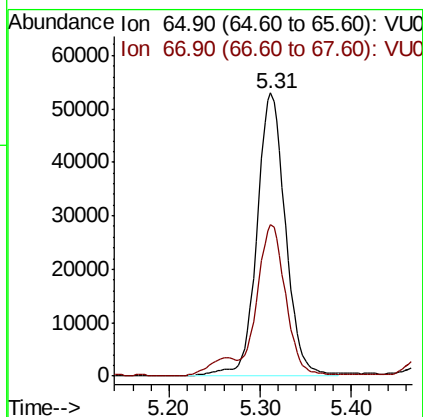
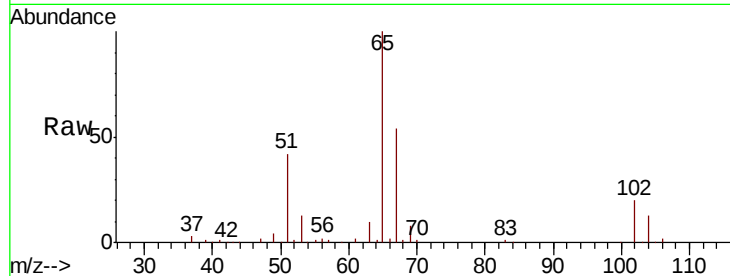




#33
 1,2-Dichloroethane-d4
 Concen: 44.690 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

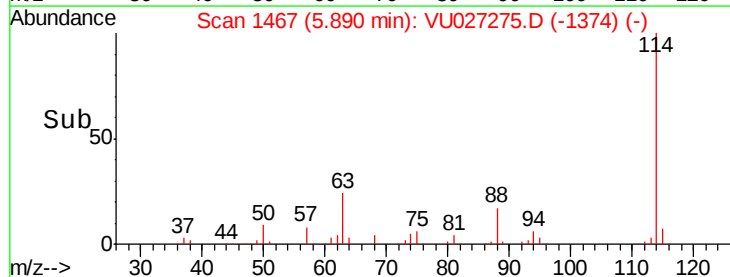
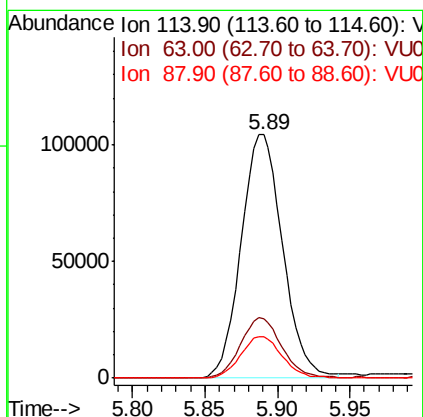
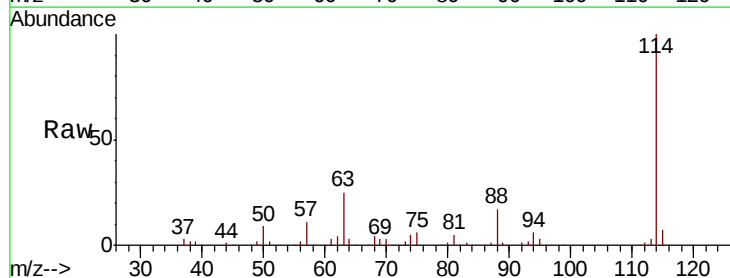
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0246

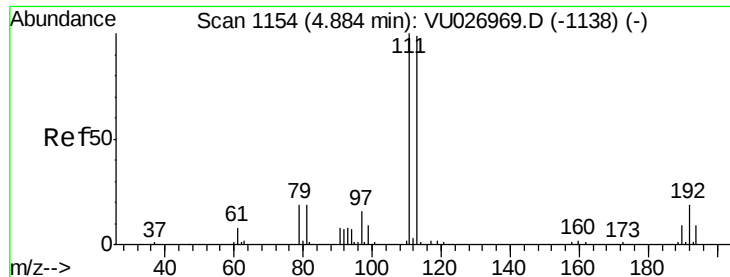
Tot Ion: 65 Resp: 115427
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Tgt Ion: 114 Resp: 208137
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.1 0.0 33.8

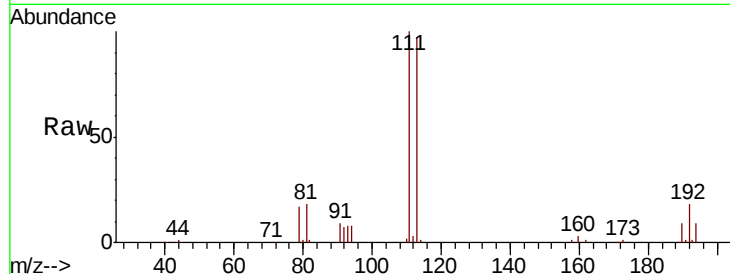




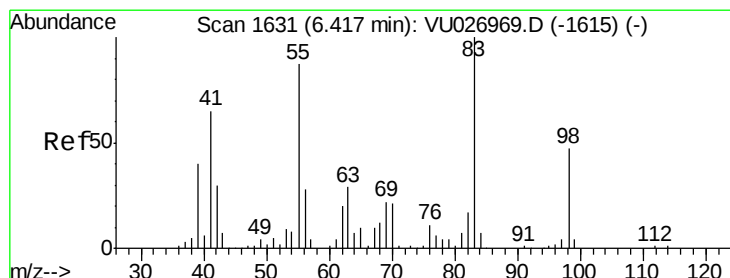
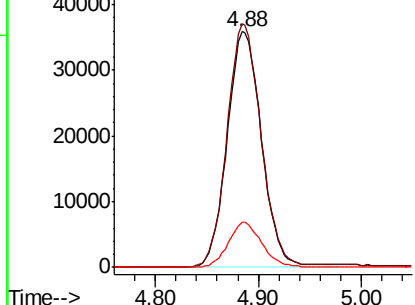
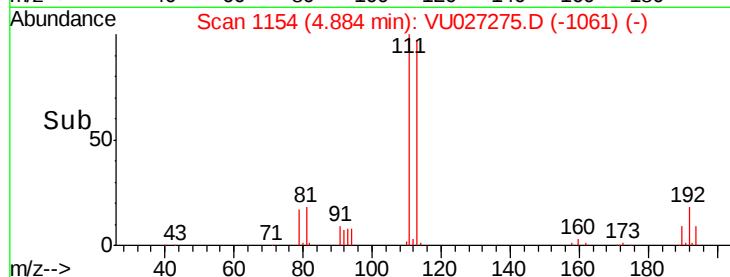
#35
 Dibromofluoromethane
 Concen: 46.377 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0246

Tot Ion:113 Resp: 83670
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.4
 192 18.5 15.2 22.8

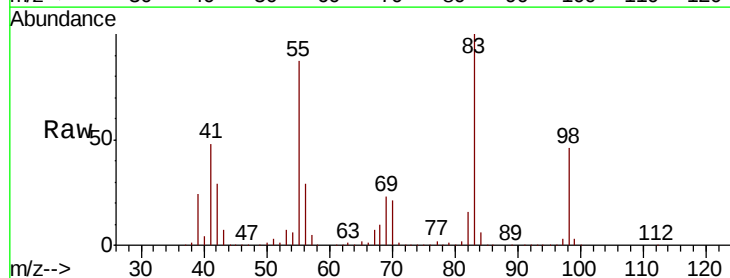


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

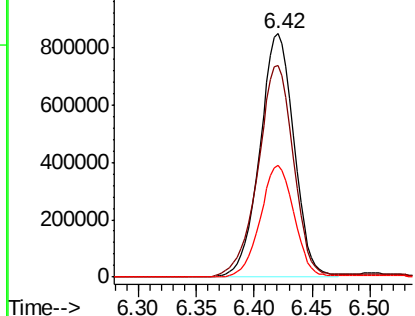
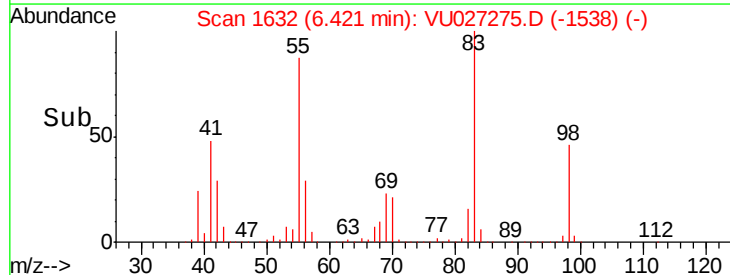


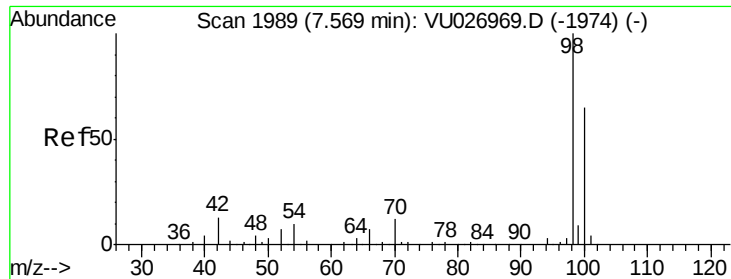
#39
 Methylcyclohexane
 Concen: 576.088 ug/l
 RT: 6.42 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Tgt Ion: 83 Resp: 1739044
 Ion Ratio Lower Upper
 83 100
 55 87.1 69.9 104.9
 98 45.8 37.5 56.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#50

Toluene-d8

Concen: 52.594 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

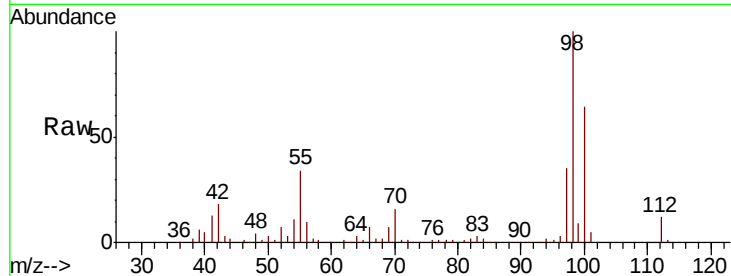
S13-0246

Tot Ion: 98 Resp: 361615

Ion Ratio Lower Upper

98 100

100 60.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

200000

150000

100000

50000

0

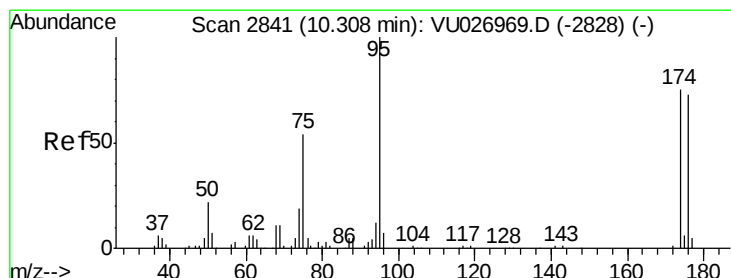
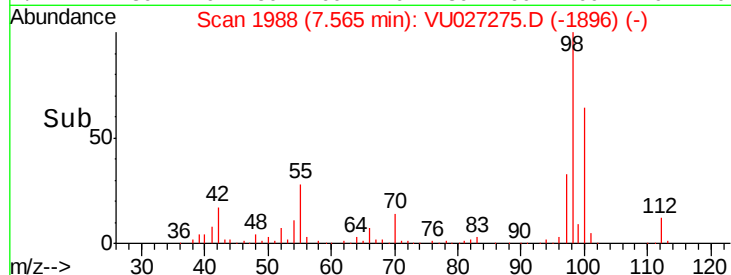
Time-->

7.40

7.50

7.60

7.70



#62

4-Bromofluorobenzene

Concen: 50.145 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

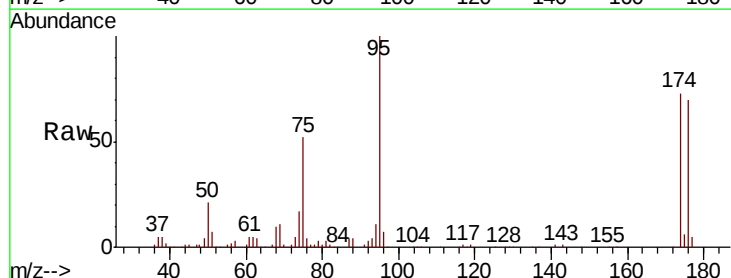
Tgt Ion: 95 Resp: 118304

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.2

176 70.9 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

100000

80000

60000

40000

20000

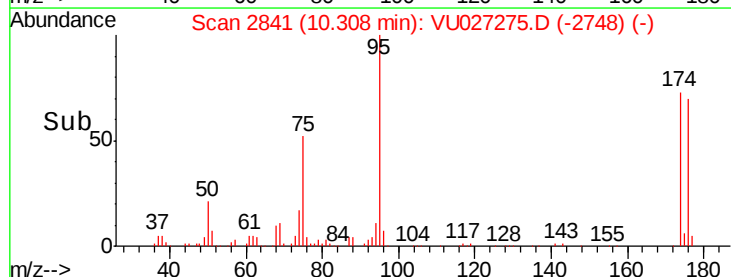
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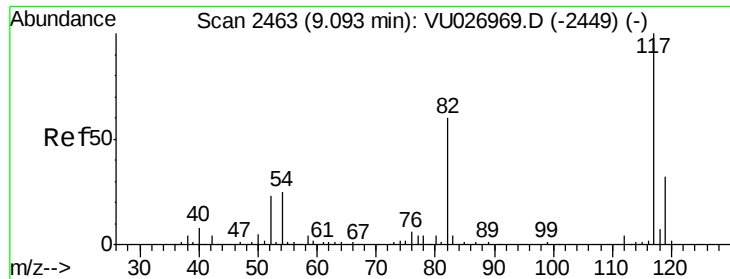
Time-->

10.25

10.30

10.35





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

S13-0246

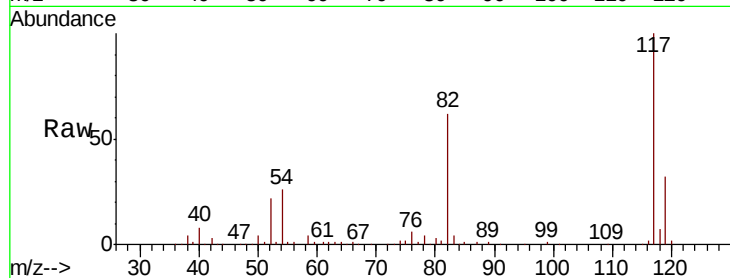
Tot Ion:117 Resp: 200351

Ion Ratio Lower Upper

117 100

82 61.3 48.0 72.0

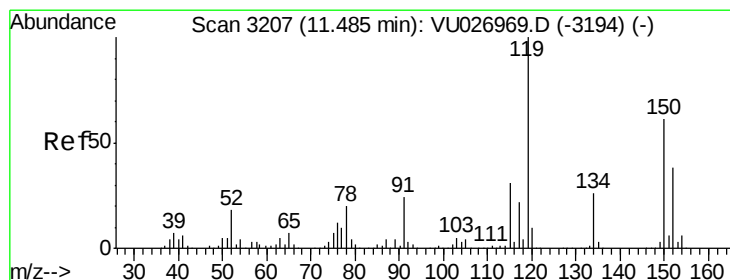
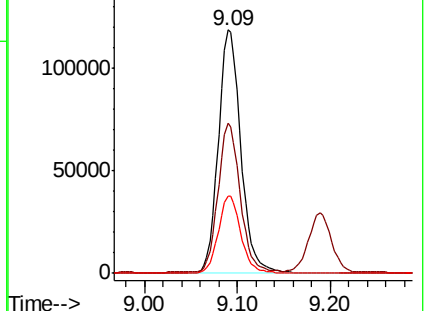
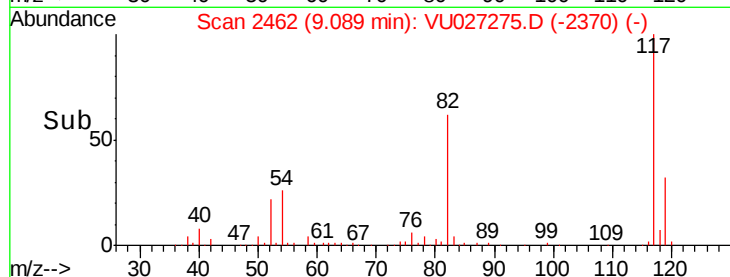
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

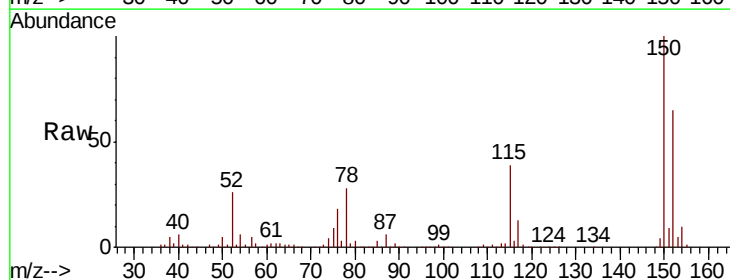
Tgt Ion:152 Resp: 103797

Ion Ratio Lower Upper

152 100

115 61.4 44.9 134.5

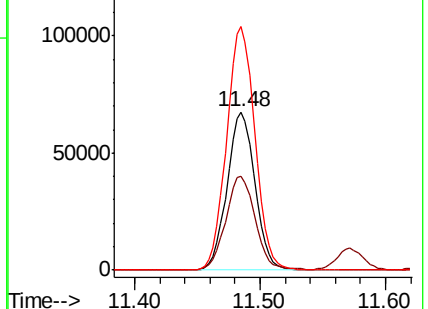
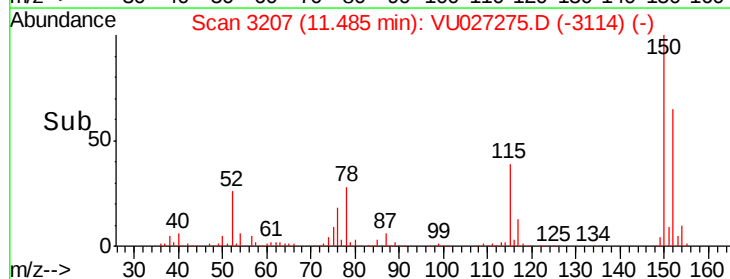
150 156.7 0.0 355.8

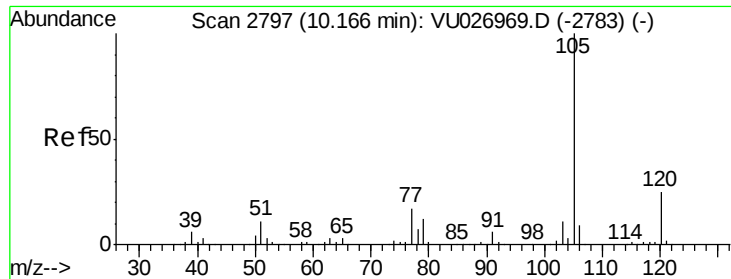


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 32.408 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

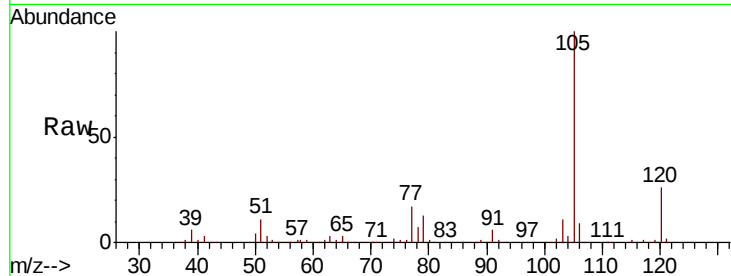
S13-0246

Tot Ion:105 Resp: 255883

Ion Ratio Lower Upper

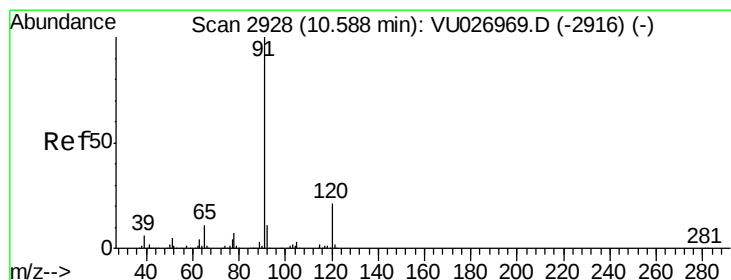
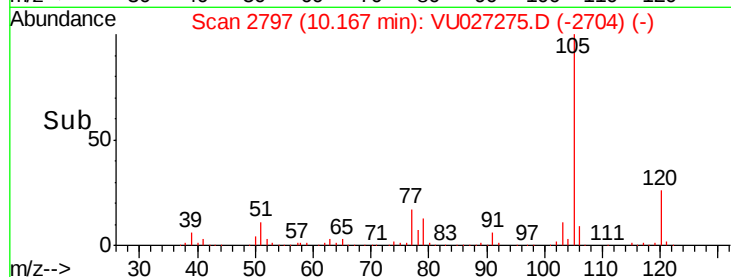
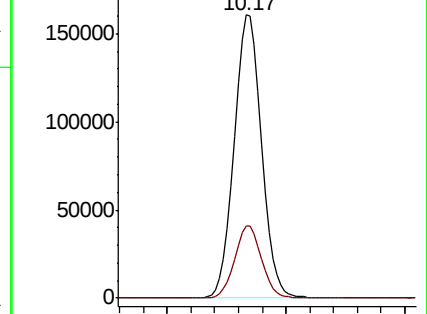
105 100

120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 32.593 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027275.D

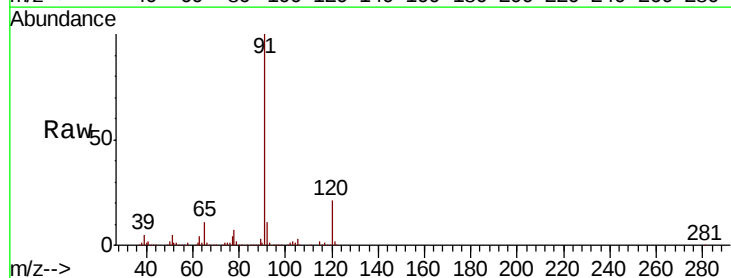
Acq: 28 Sep 2018 16:38

Tgt Ion: 91 Resp: 304501

Ion Ratio Lower Upper

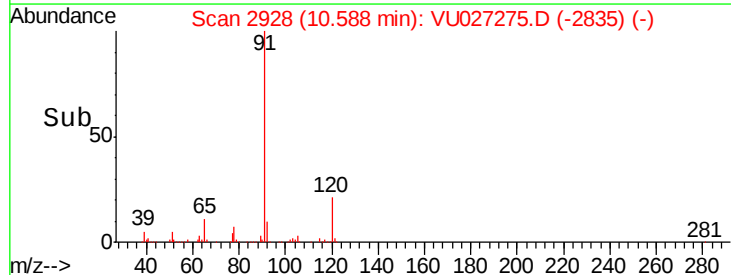
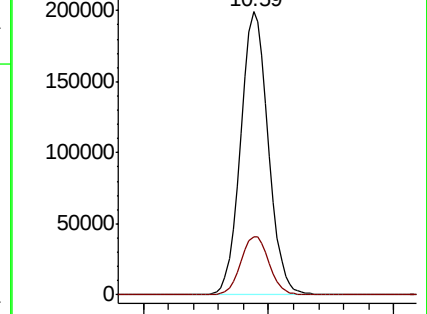
91 100

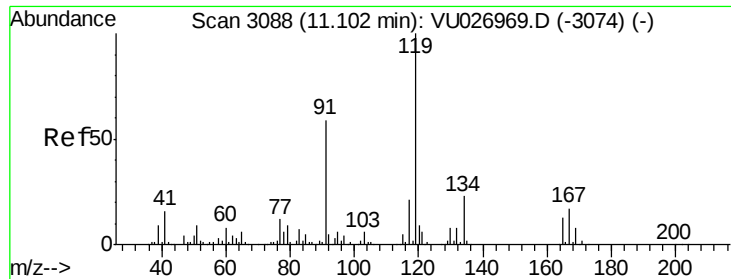
120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

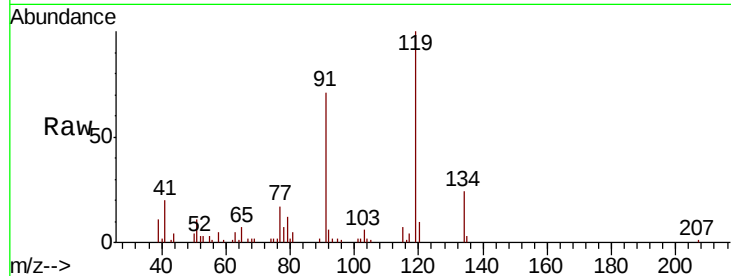




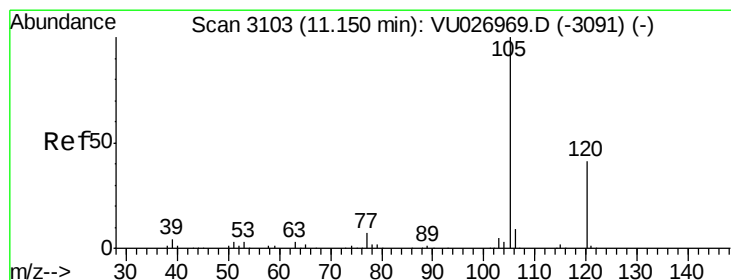
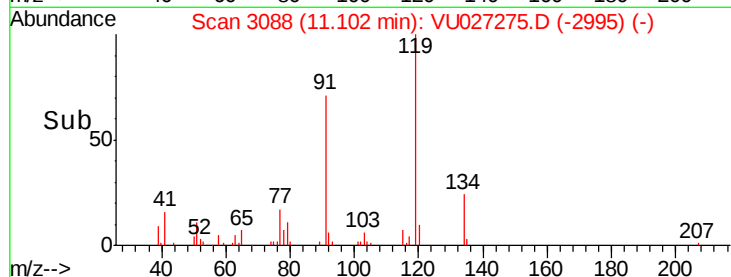
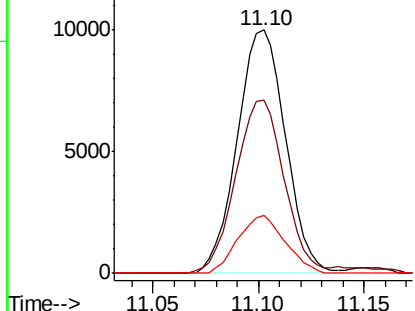
#83
tert-Butylbenzene
Concen: 2.467 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampleId :
S13-0246

Tot Ion:119 Resp: 15898
Ion Ratio Lower Upper
119 100
91 71.6 29.8 89.4
134 23.1 11.5 34.4

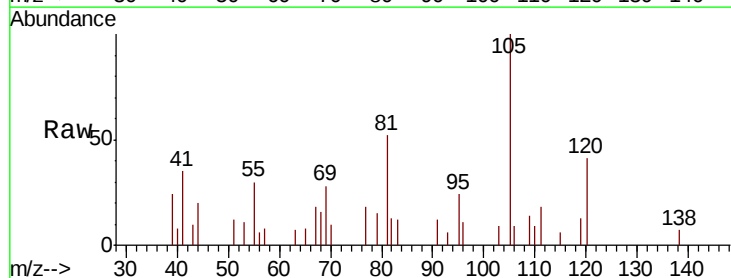


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

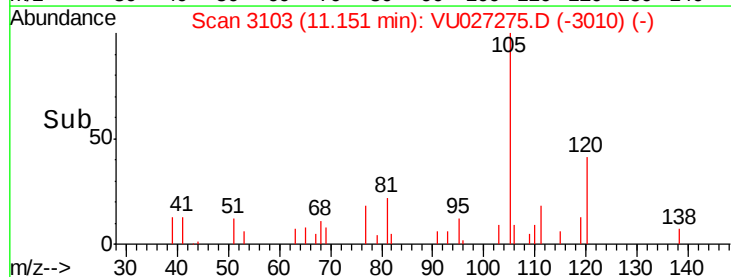
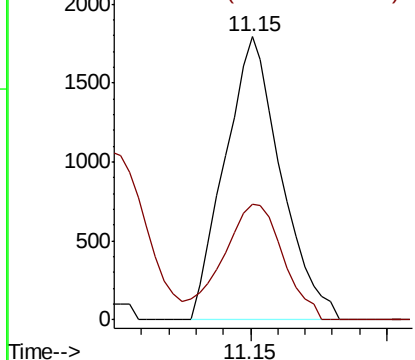


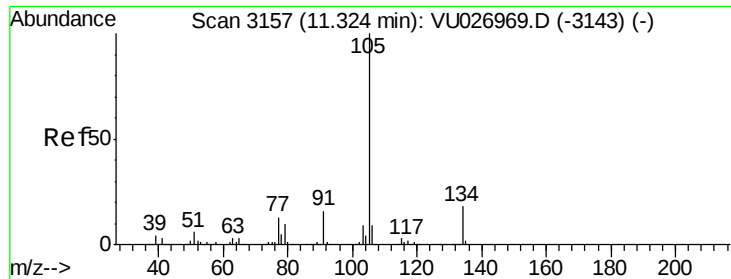
#84
1,2,4-Trimethylbenzene
Concen: 0.386 ug/l m
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion:105 Resp: 2563
Ion Ratio Lower Upper
105 100
120 2.5 22.4 67.2#



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





#85

sec-Butylbenzene

Concen: 16.530 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

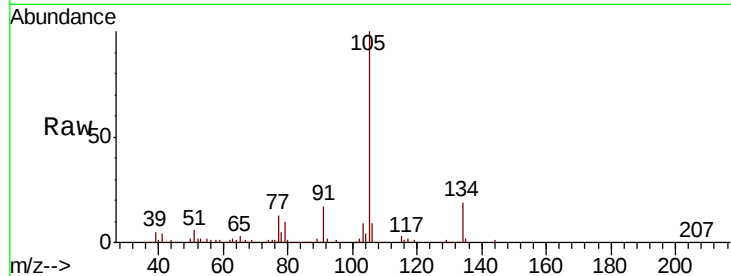
S13-0246

Tot Ion:105 Resp: 130024

Ion Ratio Lower Upper

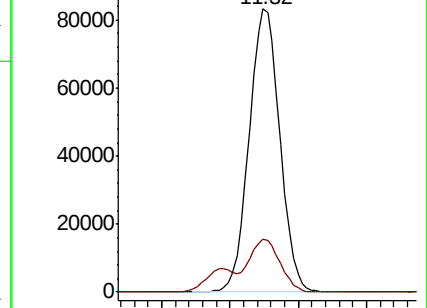
105 100

134 19.1 9.4 28.2

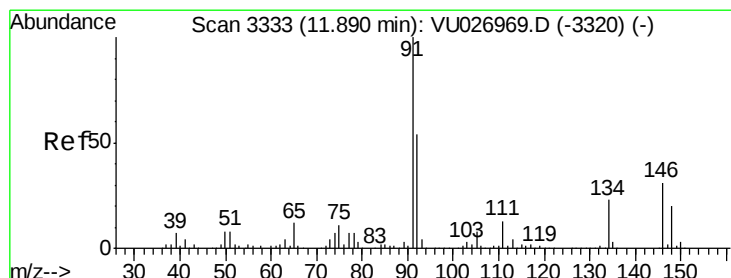
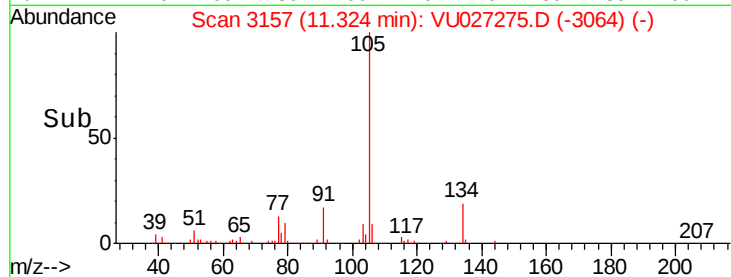


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#89

n-Butylbenzene

Concen: 6.801 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

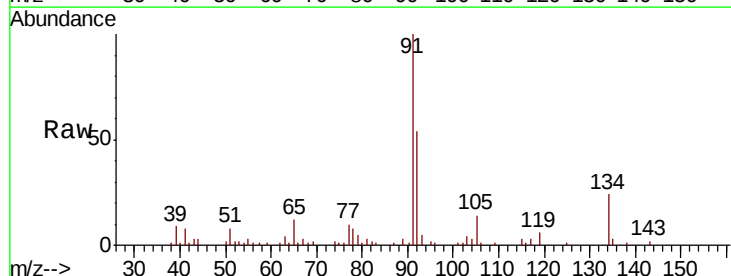
Tgt Ion: 91 Resp: 33131

Ion Ratio Lower Upper

91 100

92 44.5 27.1 81.2

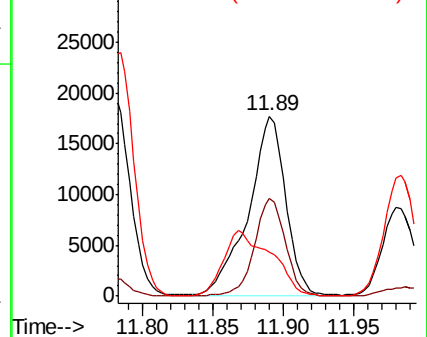
134 0.0 11.7 35.0#



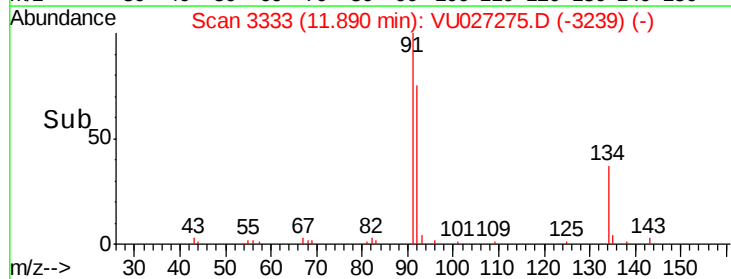
Abundance Ion 91.00 (90.70 to 91.70): VU0

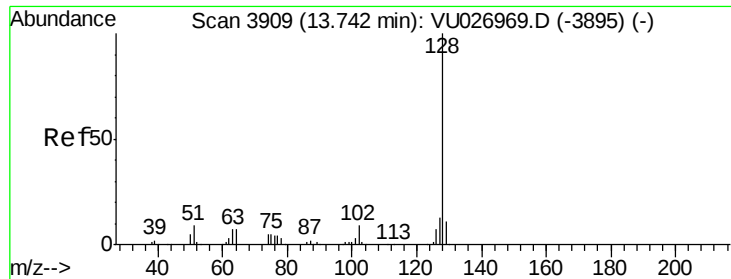
Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V



Time-->





#95

Naphthalene

Concen: 21.213 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

S13-0246

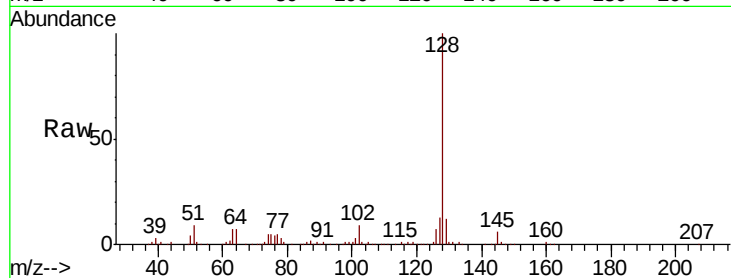
Tot Ion:128 Resp: 173640

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 12.2 8.6 12.8



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

