

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027273.D
 Acq On : 28 Sep 2018 15:52
 Operator : MD/SY
 Sample : J5041-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0247

Quant Time: Oct 02 07:09:17 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	118964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	198071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	185340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	107447	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
35) Dibromofluoromethane	4.88	113	76842	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
50) Toluene-d8	7.57	98	312152	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	10.31	95	106648	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

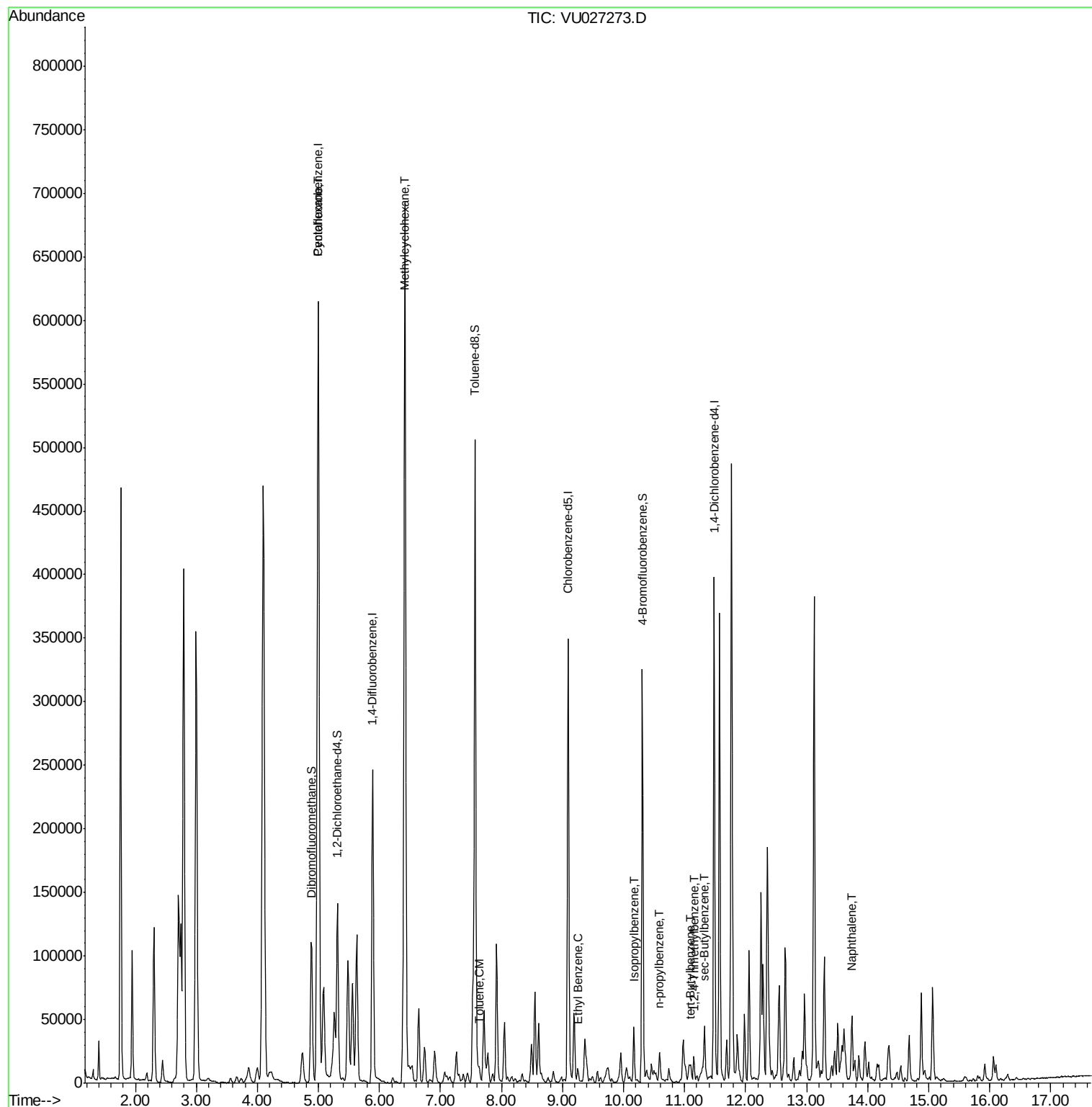
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	288374	81.166	ug/l	100
39) Methylcyclohexane	6.42	83	278165	96.830	ug/l	99
52) Toluene	7.64	92	1157	0.251	ug/l	83
67) Ethyl Benzene	9.25	91	4496	0.556	ug/l	94
73) Isopropylbenzene	10.17	105	26941	3.755	ug/l	99
78) n-propylbenzene	10.59	91	16509	1.945	ug/l	99
83) tert-Butylbenzene	11.10	119	5244	0.896	ug/l	81
84) 1,2,4-Trimethylbenzene	11.15	105	10685	1.773	ug/l	99
85) sec-Butylbenzene	11.32	105	20757	2.904	ug/l	98
95) Naphthalene	13.74	128	36459	6.200	ug/l	98

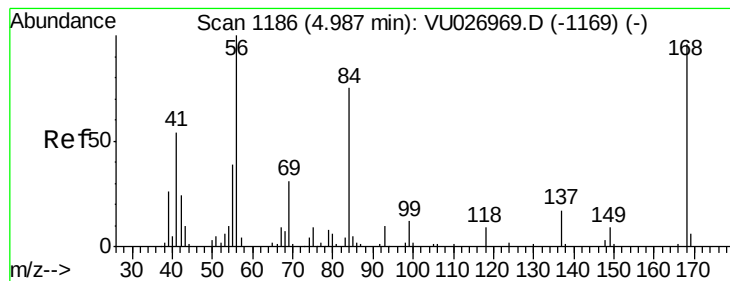
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
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: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

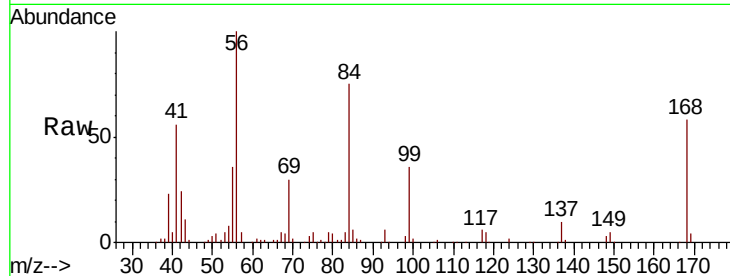
S13-0247

Tot Ion:168 Resp: 118964

Ion Ratio Lower Upper

168 100

99 62.1 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) (-)

4.99

60000

50000

40000

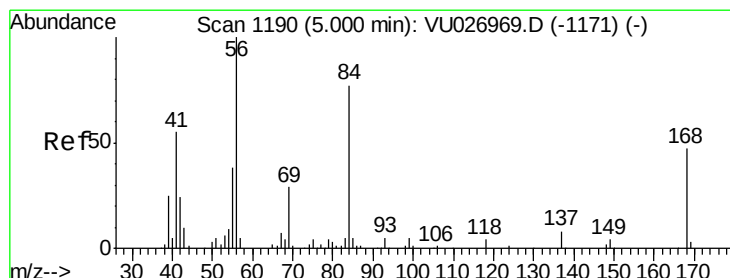
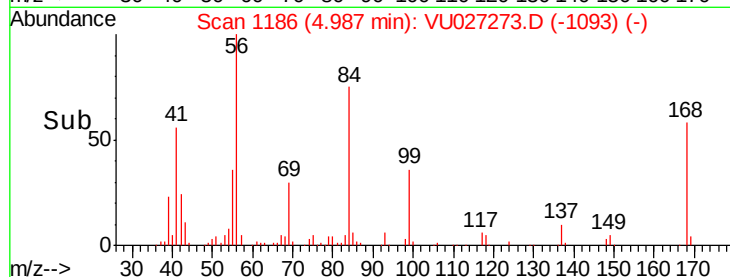
30000

20000

10000

0

Time-->



#31

Cyclohexane

Concen: 81.166 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

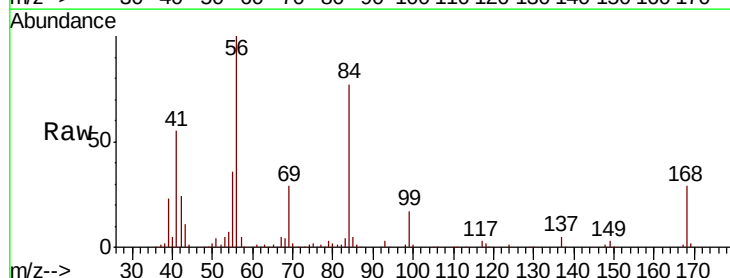
Tgt Ion: 56 Resp: 288374

Ion Ratio Lower Upper

56 100

69 28.9 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) (-)

5.00

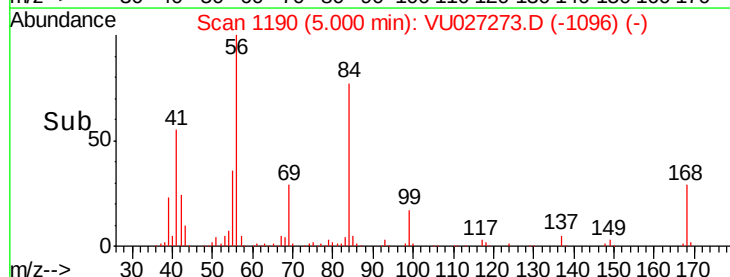
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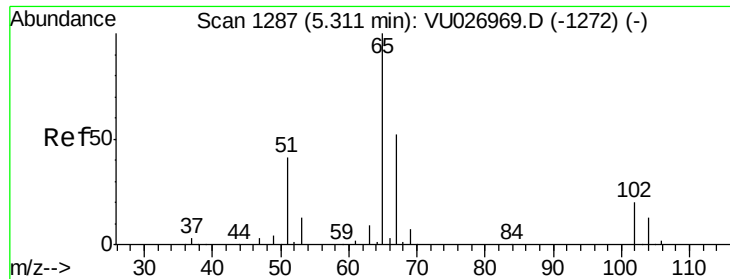
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50000

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Time-->

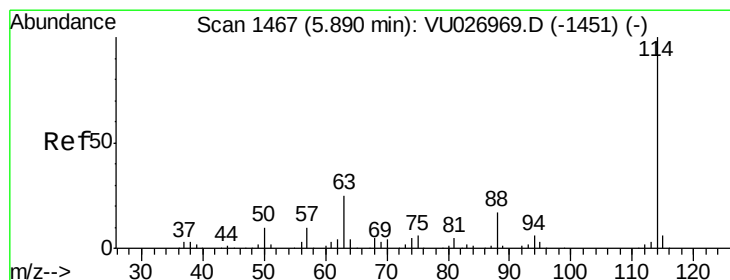
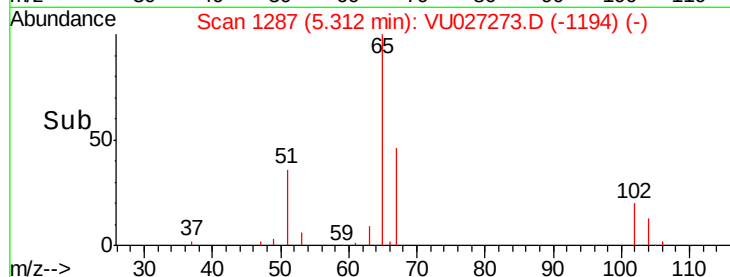
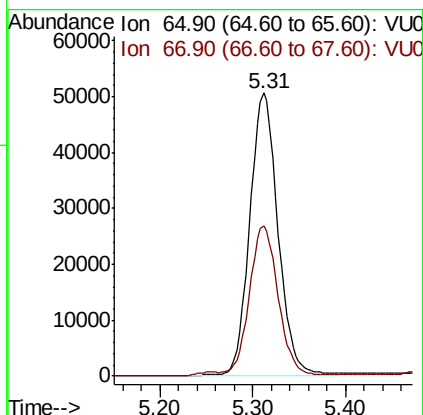
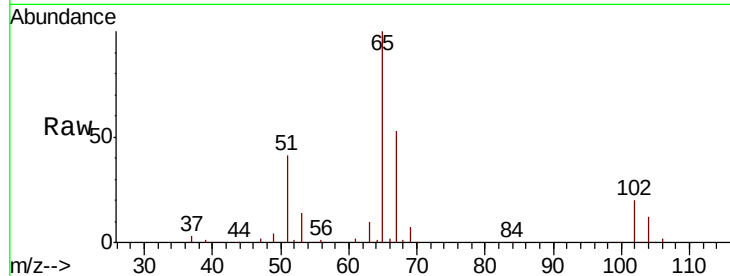




#33
 1,2-Dichloroethane-d4
 Concen: 44.875 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

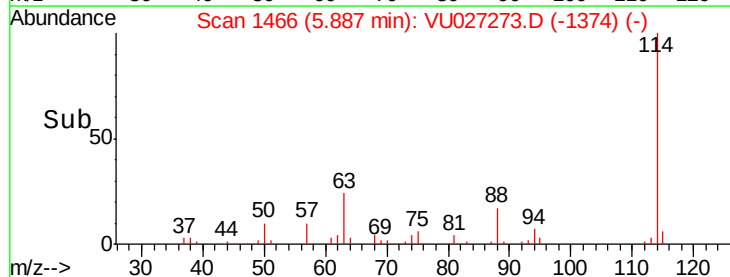
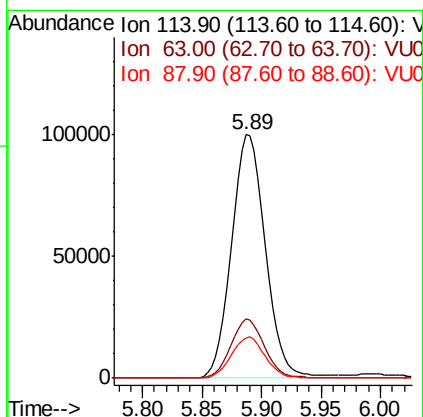
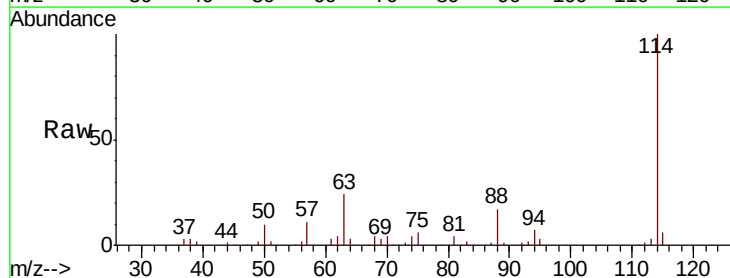
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0247

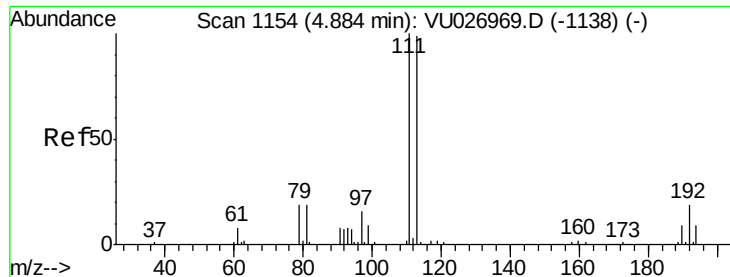
Tot Ion: 65 Resp: 107447
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion: 114 Resp: 198071
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.6 0.0 33.8

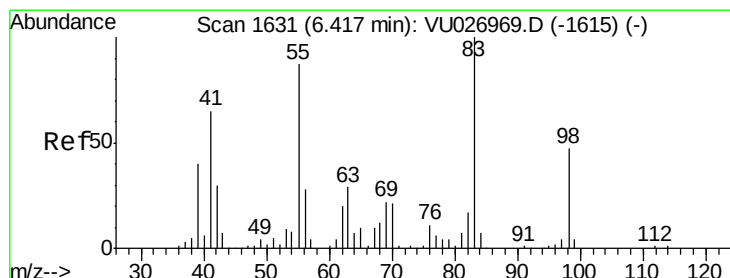
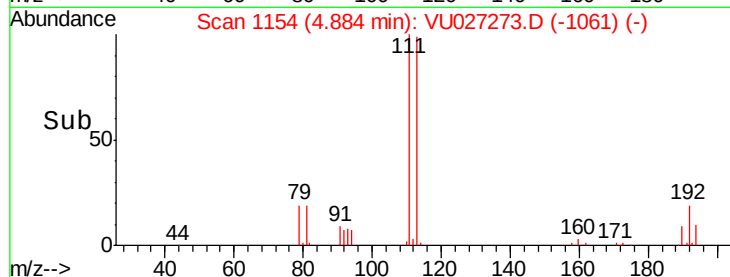
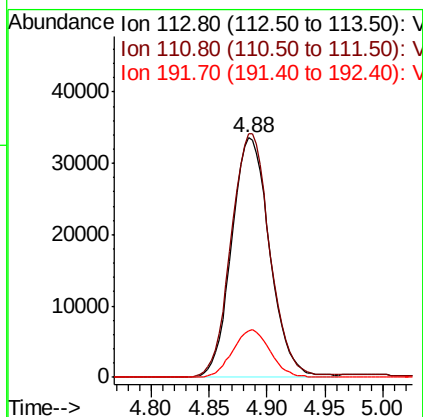
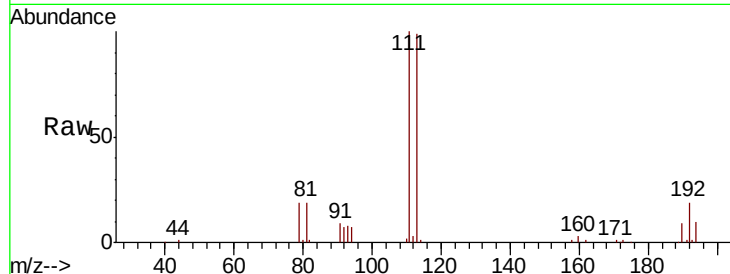




#35
 Dibromofluoromethane
 Concen: 44.757 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

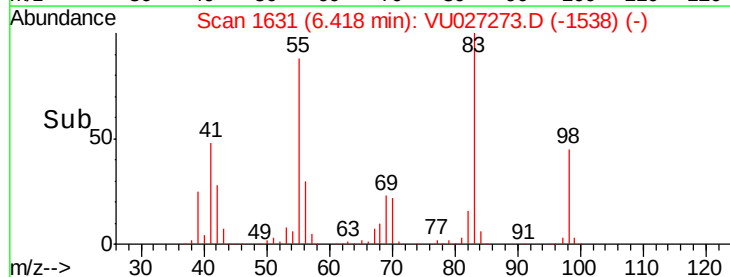
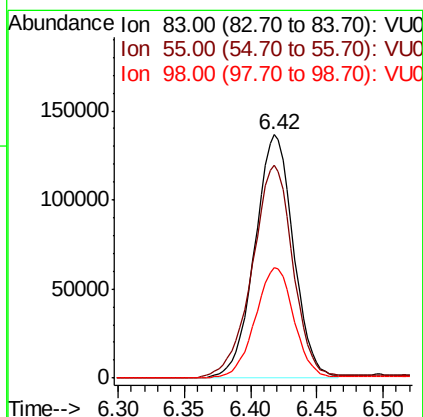
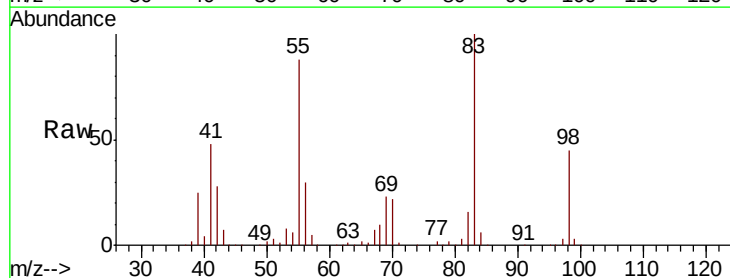
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0247

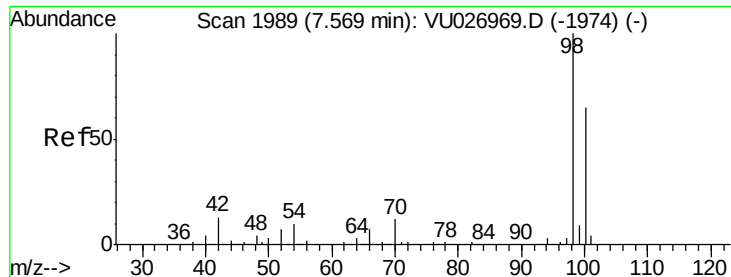
Tot Ion:113 Resp: 76842
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 19.4 15.2 22.8



#39
 Methylcyclohexane
 Concen: 96.830 ug/l
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion: 83 Resp: 278165
 Ion Ratio Lower Upper
 83 100
 55 87.5 69.9 104.9
 98 45.2 37.5 56.3

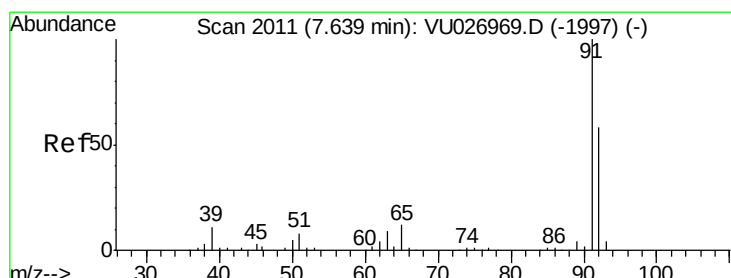
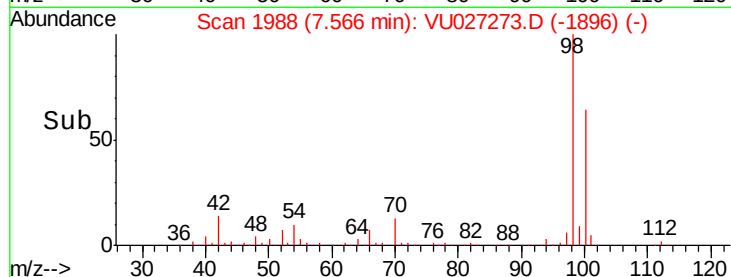
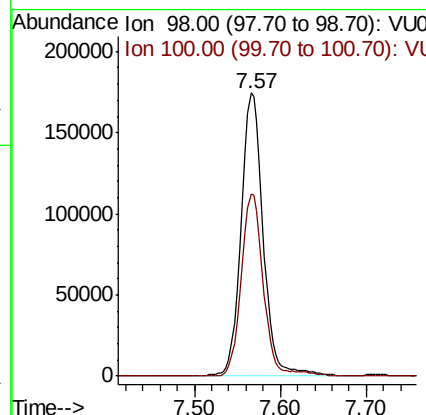
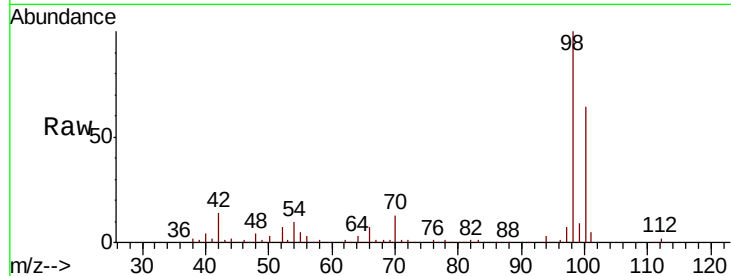




#50
Toluene-d8
Concen: 47.707 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

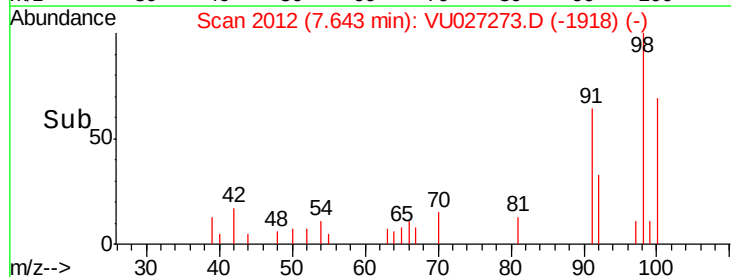
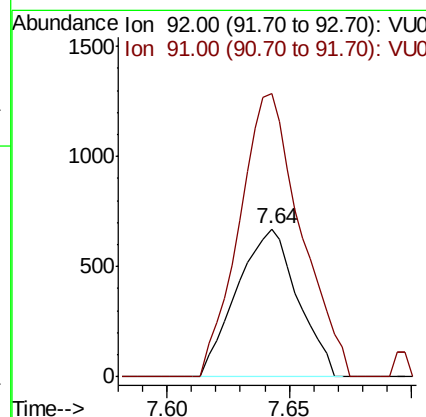
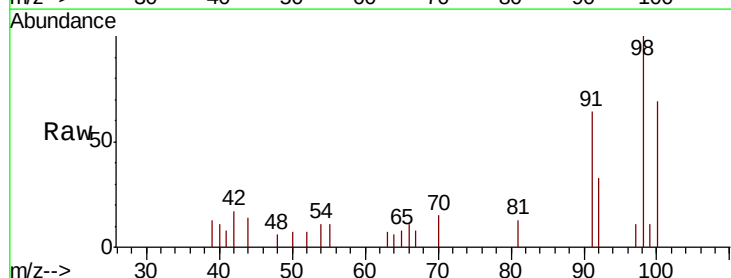
Instrument :
MSVOA_U
ClientSampleId :
S13-0247

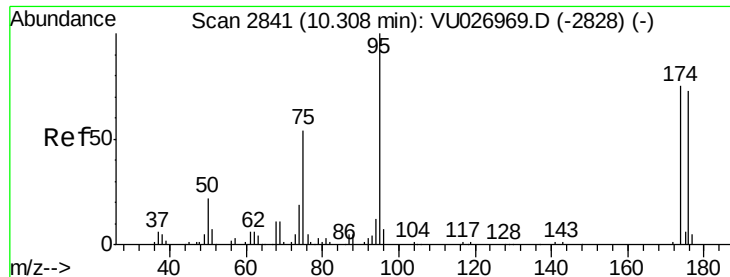
Tot Ion: 98 Resp: 312152
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#52
Toluene
Concen: 0.251 ug/l
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 92 Resp: 1157
Ion Ratio Lower Upper
92 100
91 194.2 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 47.502 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

S13-0247

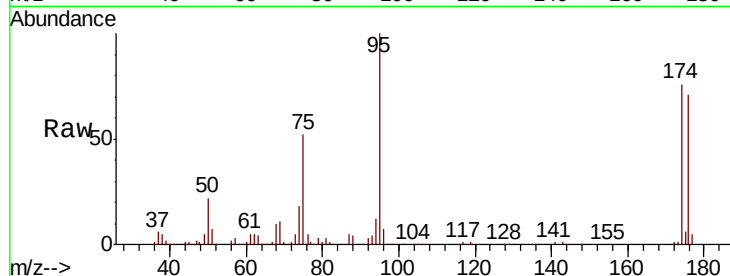
Tot Ion: 95 Resp: 106648

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.2

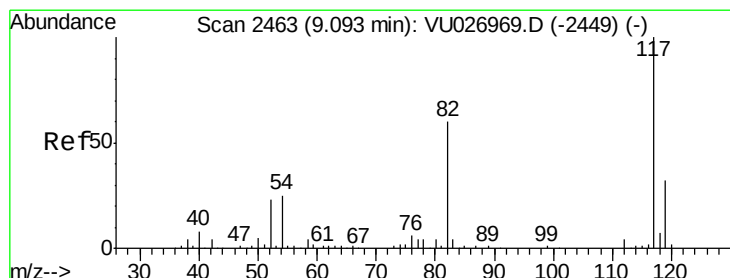
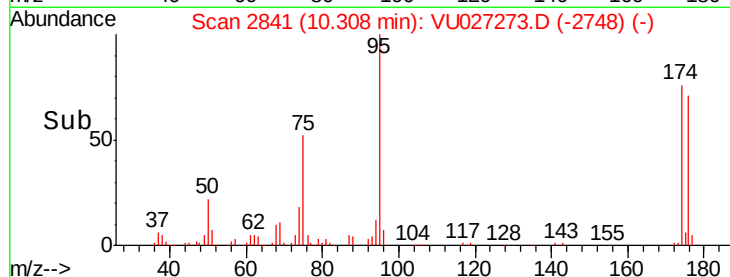
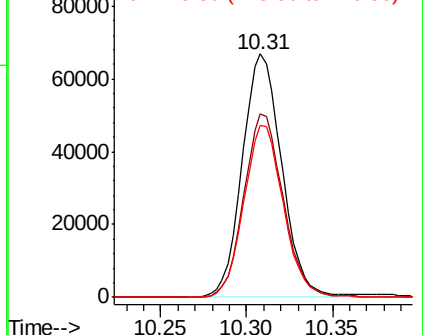
176 70.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

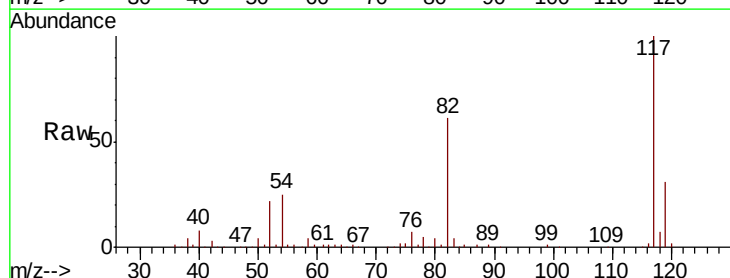
Tgt Ion: 117 Resp: 185340

Ion Ratio Lower Upper

117 100

82 61.3 48.0 72.0

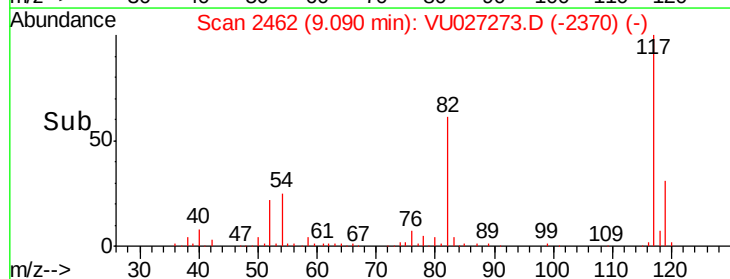
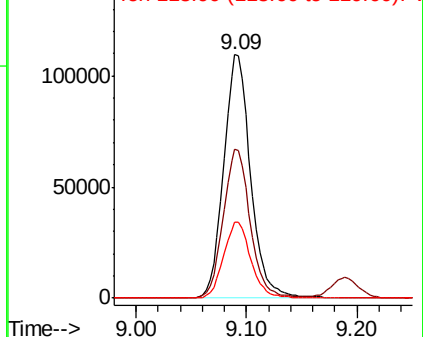
119 30.9 25.8 38.8

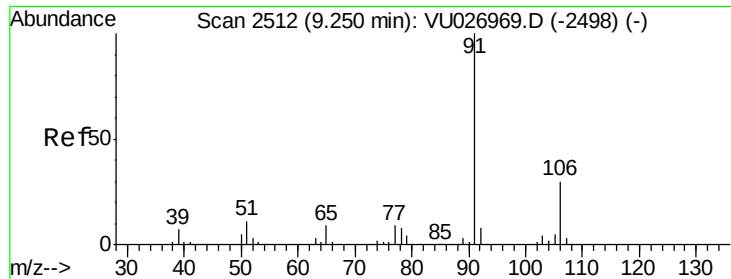


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

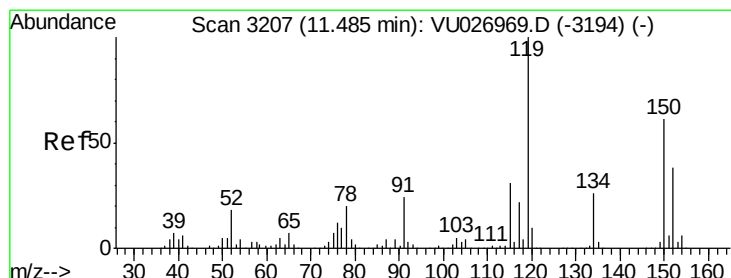
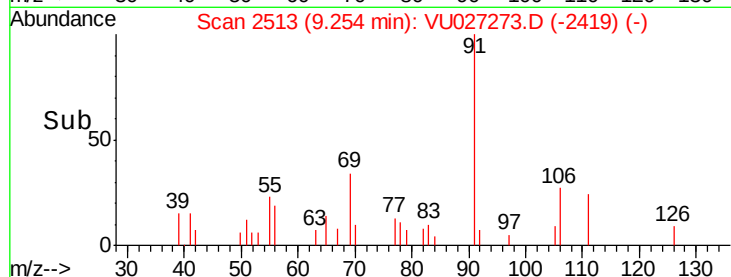
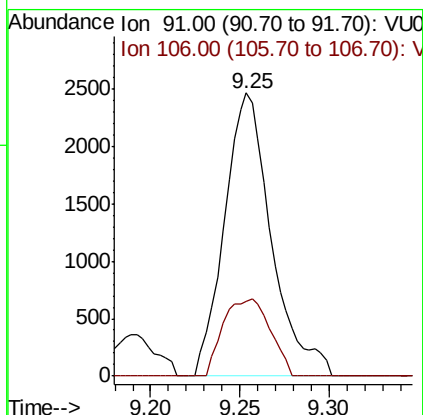
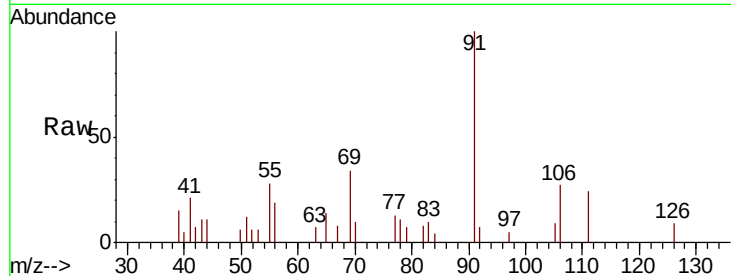




#67
Ethyl Benzene
Concen: 0.556 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

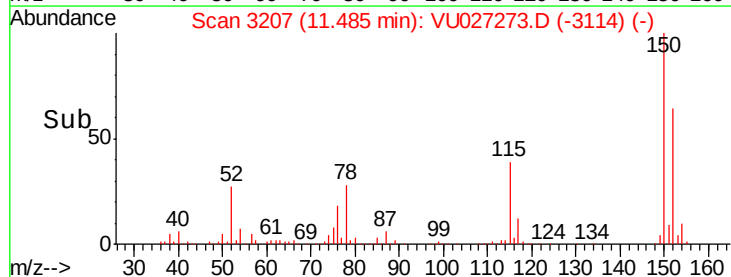
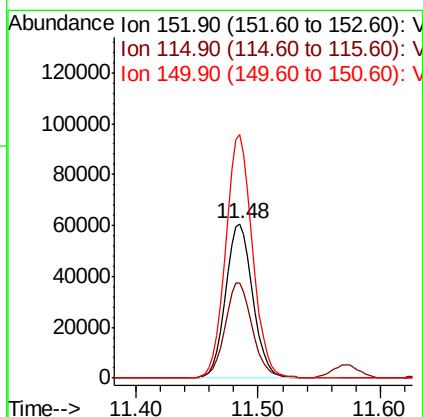
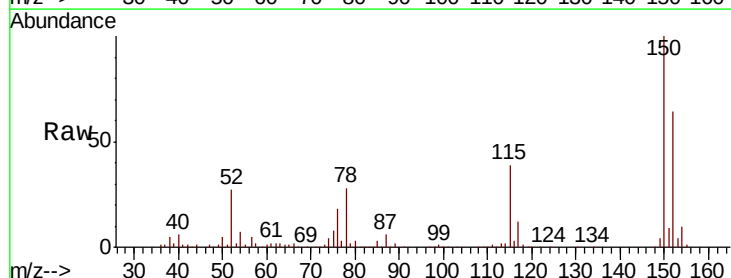
Instrument :
MSVOA_U
ClientSampled :
S13-0247

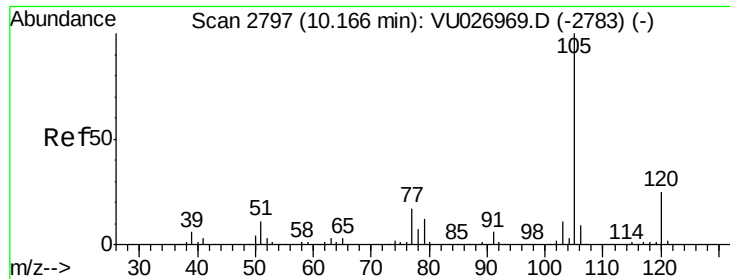
Tot Ion: 91 Resp: 4496
Ion Ratio Lower Upper
91 100
106 26.6 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 152 Resp: 94319
Ion Ratio Lower Upper
152 100
115 61.9 44.9 134.5
150 156.4 0.0 355.8





#73

Isopropylbenzene

Concen: 3.755 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

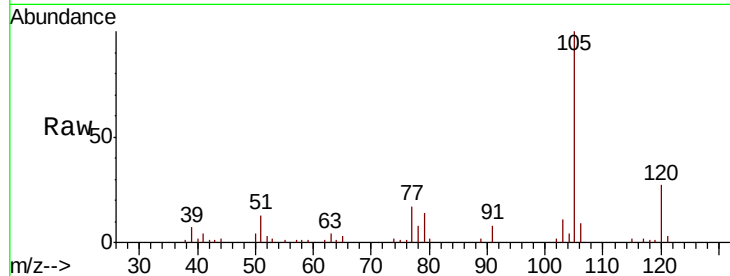
S13-0247

Tot Ion:105 Resp: 26941

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

15000

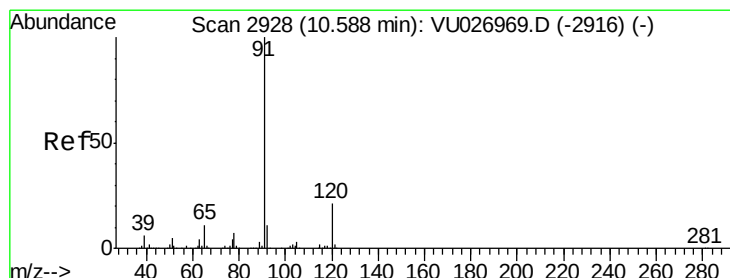
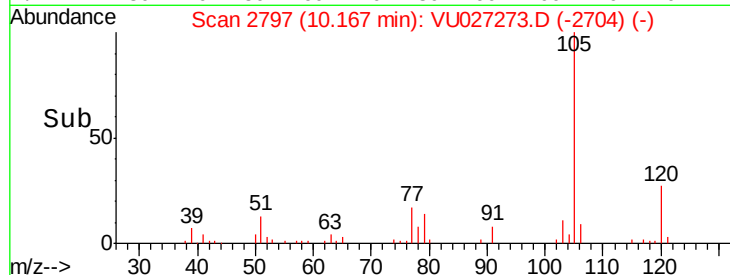
10000

5000

0

Time-->

10.10 10.15 10.20 10.25



#78

n-propylbenzene

Concen: 1.945 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027273.D

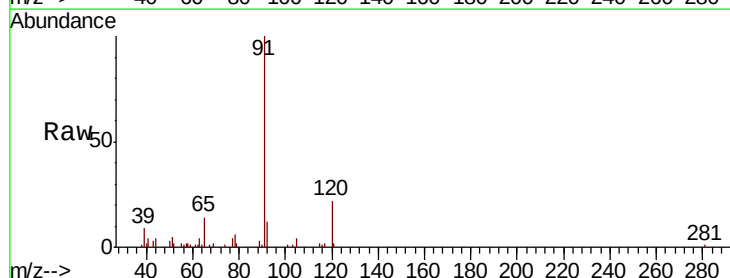
Acq: 28 Sep 2018 15:52

Tgt Ion: 91 Resp: 16509

Ion Ratio Lower Upper

91 100

120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

12000 Ion 120.00 (119.70 to 120.70): V

10.59

10000

8000

6000

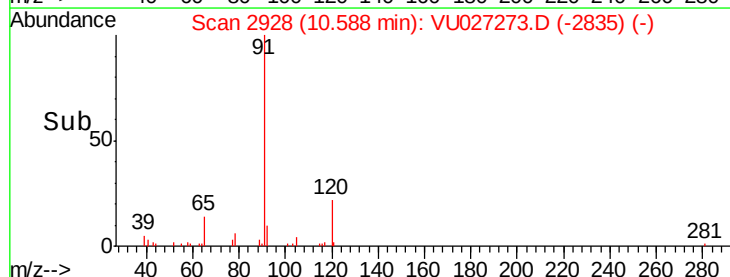
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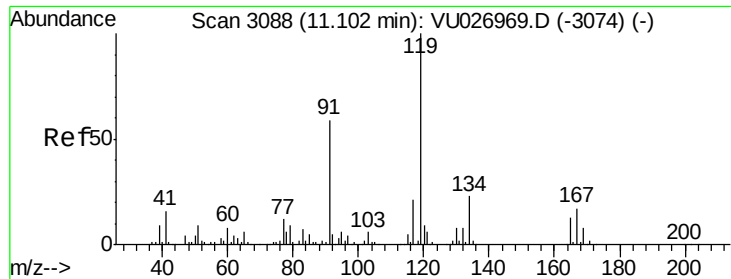
2000

0

Time-->

10.55 10.60 10.65

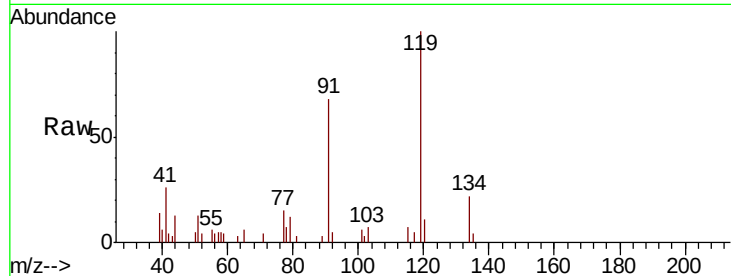




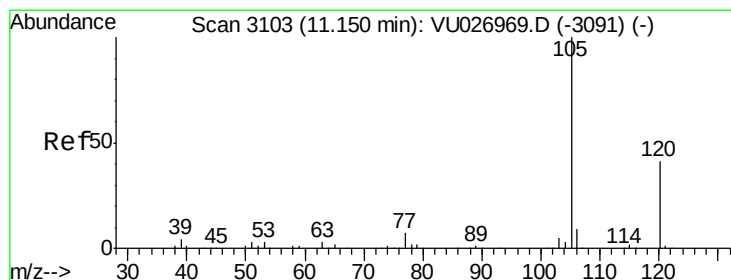
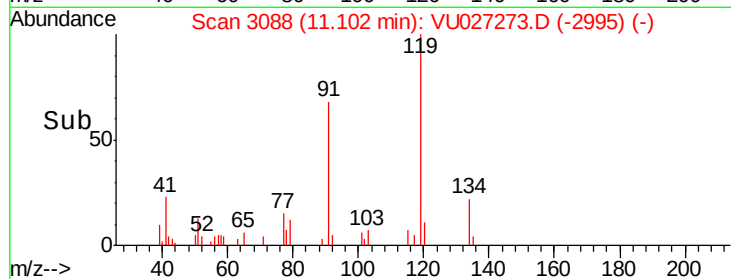
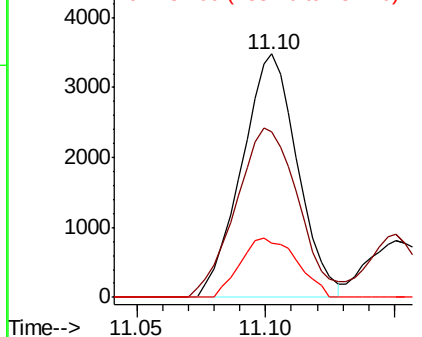
#83
 tert-Butylbenzene
 Concen: 0.896 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0247

Tot Ion:119 Resp: 5244
 Ion Ratio Lower Upper
 119 100
 91 78.6 29.8 89.4
 134 24.8 11.5 34.4

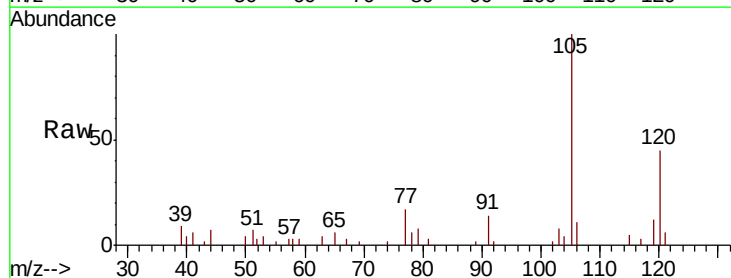


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

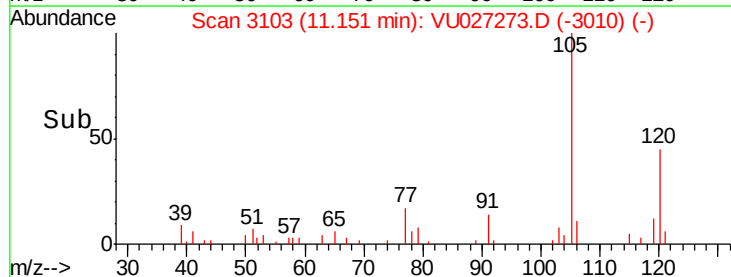
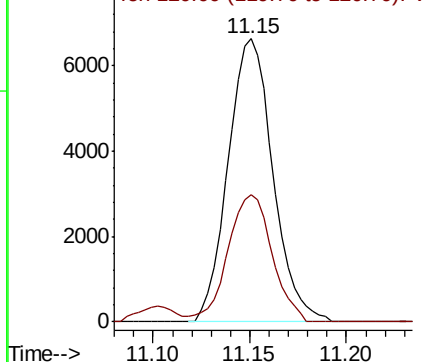


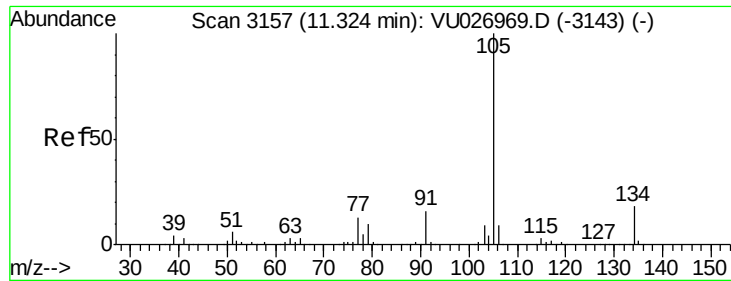
#84
 1,2,4-Trimethylbenzene
 Concen: 1.773 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion:105 Resp: 10685
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2



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

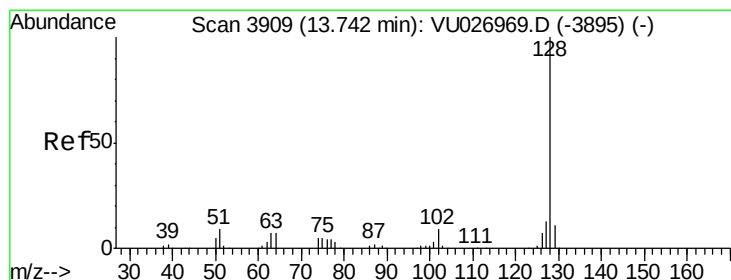
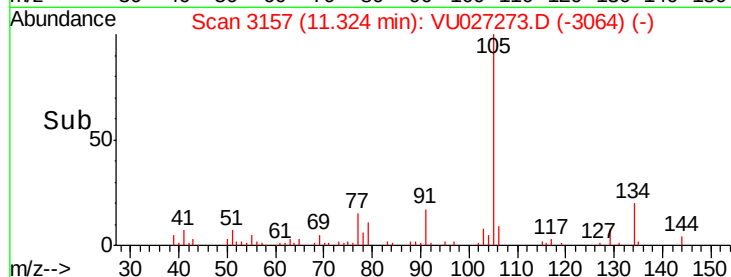
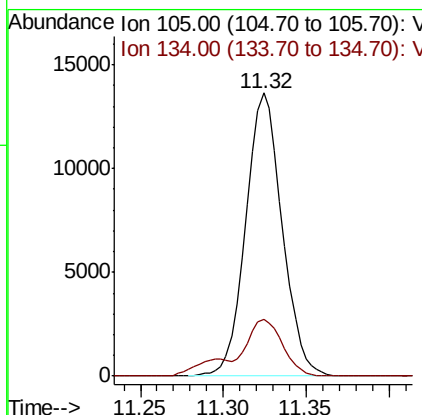
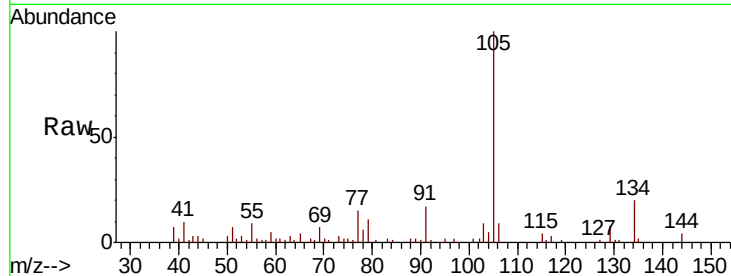




#85
 sec-Butylbenzene
 Concen: 2.904 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0247

Tot Ion:105 Resp: 20757
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.4 28.2



#95
 Naphthalene
 Concen: 6.200 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion:128 Resp: 36459
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.6 15.8
 129 12.2 8.6 12.8

