

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027270.D
 Acq On : 28 Sep 2018 14:42
 Operator : MD/SY
 Sample : J5041-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0258

Quant Time: Sep 28 23:11:41 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	101443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	171789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82093	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	99979	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	4.89	113	69366	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	7.57	98	283214	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	10.31	95	94217	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	

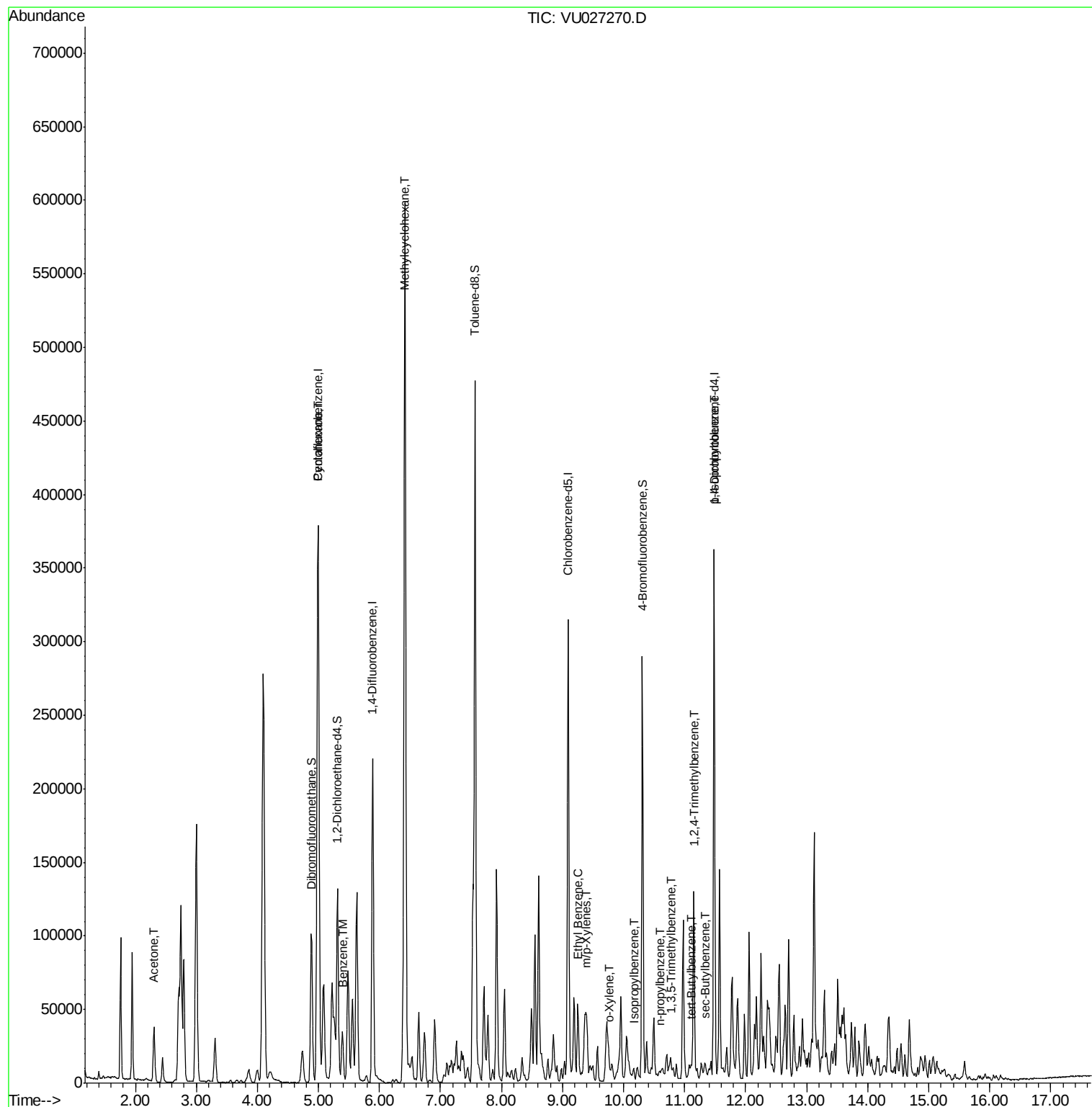
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.31	43	19005	1.000	ug/l #	62
31) Cyclohexane	5.00	56	143605	47.158	ug/l	97
39) Methylcyclohexane	6.42	83	234581	94.151	ug/l	98
40) Benzene	5.40	78	30548	4.383	ug/l	100
67) Ethyl Benzene	9.25	91	20918	2.940	ug/l	97
68) m/p-Xylenes	9.38	106	1953	2.168	ug/l #	73
69) o-Xylene	9.78	106	1308	0.519	ug/l	60
73) Isopropylbenzene	10.17	105	3835	0.614	ug/l	95
78) n-propylbenzene	10.59	91	2730	0.369	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	5522	1.071	ug/l	100
83) tert-Butylbenzene	11.10	119	1890	0.371	ug/l	85
84) 1,2,4-Trimethylbenzene	11.15	105	62187	11.854	ug/l	99
85) sec-Butylbenzene	11.32	105	2474	0.398	ug/l	94
86) p-Isopropyltoluene	11.48	119	8901	2.424	ug/l	94

(#) = 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: VU027270.D

Acq: 28 Sep 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

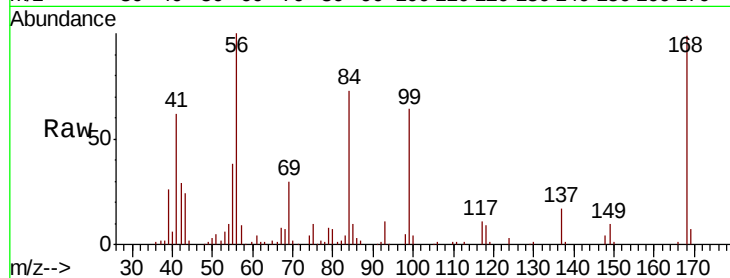
S13-0258

Tot Ion:168 Resp: 101443

Ion Ratio Lower Upper

168 100

99 64.4 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU027270.D (-1093) (-)

4.99

50000

40000

30000

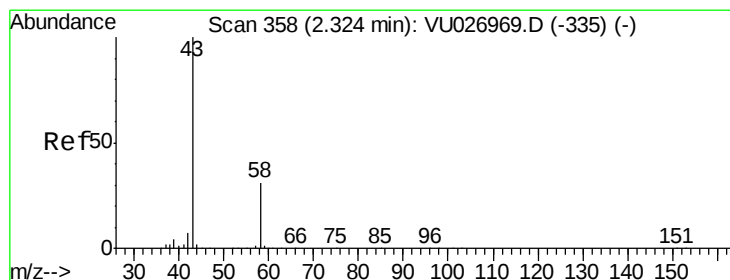
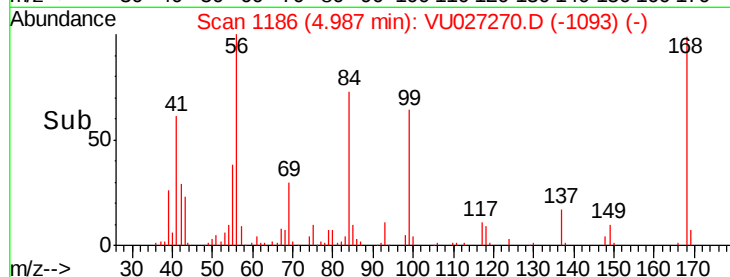
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10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#16

Acetone

Concen: 1.000 ug/l

RT: 2.31 min Scan# 353

Delta R.T. -0.02 min

Lab File: VU027270.D

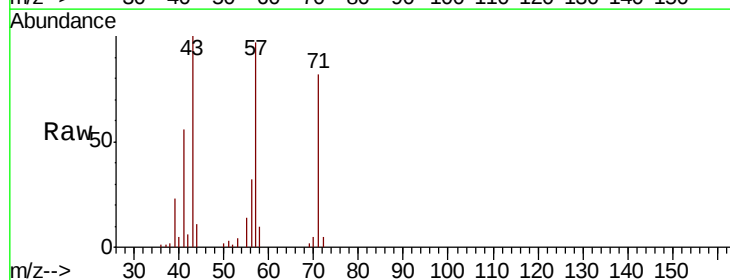
Acq: 28 Sep 2018 14:42

Tgt Ion: 43 Resp: 19005

Ion Ratio Lower Upper

43 100

58 9.8 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027270.D (-265) (-)

2.31

8000

6000

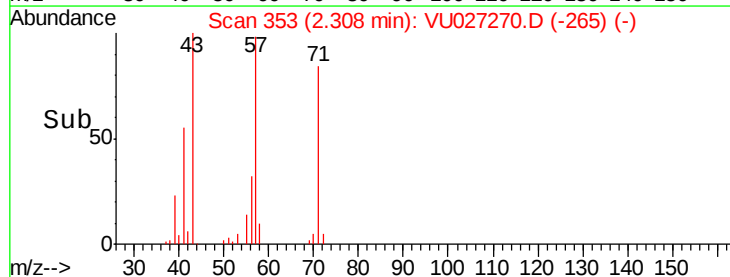
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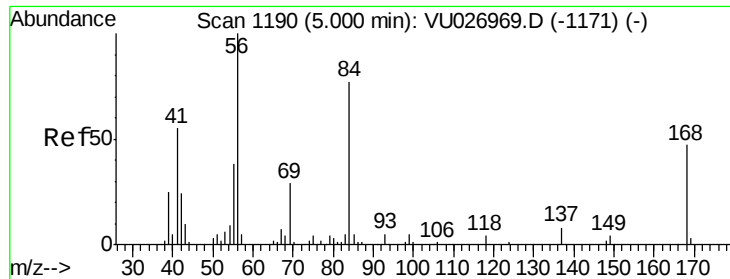
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0

2.20 2.25 2.30 2.35 2.40

Time-->

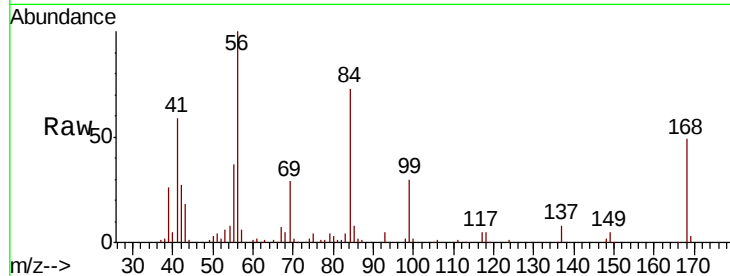




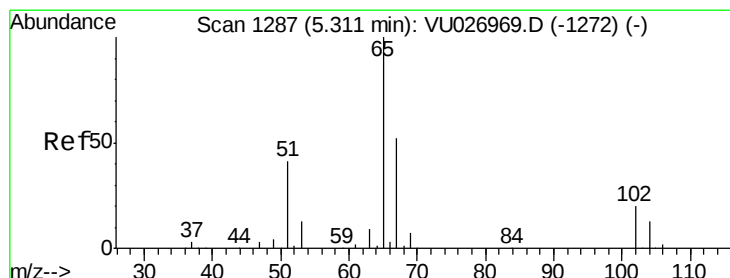
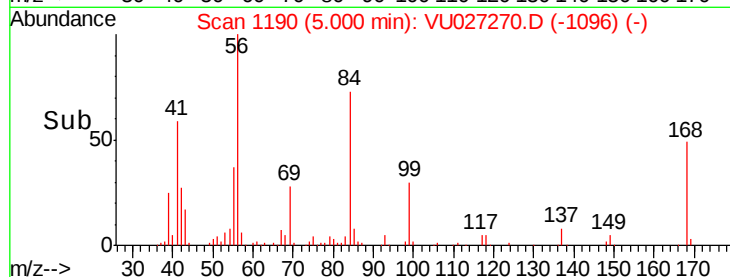
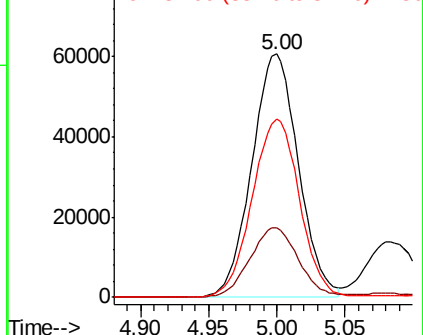
#31
Cyclohexane
Concen: 47.158 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
S13-0258

Tot Ion: 56 Resp: 143605
Ion Ratio Lower Upper
56 100
69 28.7 23.0 34.4
84 73.3 61.4 92.2

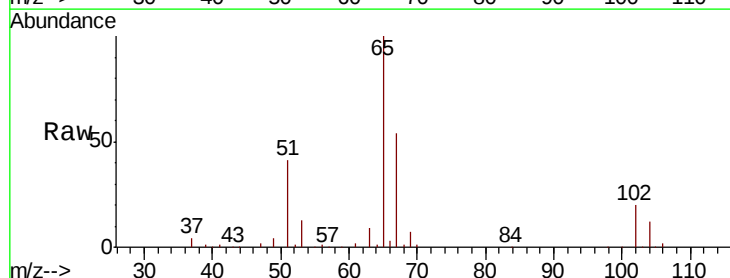


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

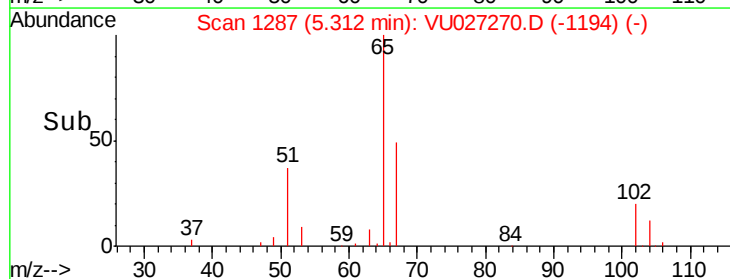
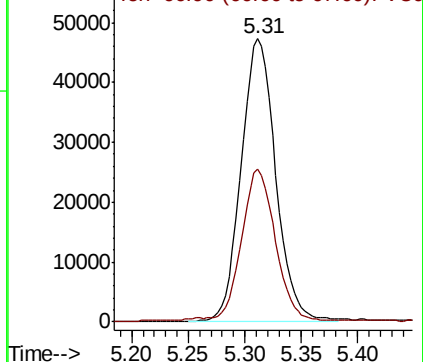


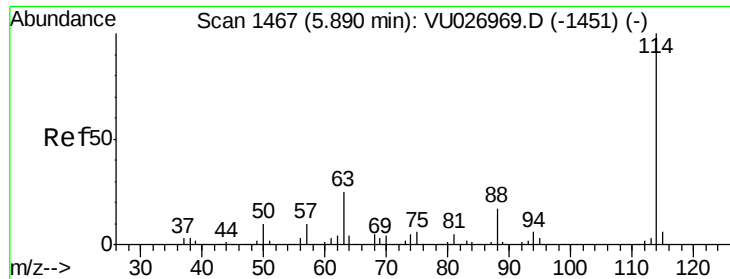
#33
1,2-Dichloroethane-d4
Concen: 48.968 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Tgt Ion: 65 Resp: 99979
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

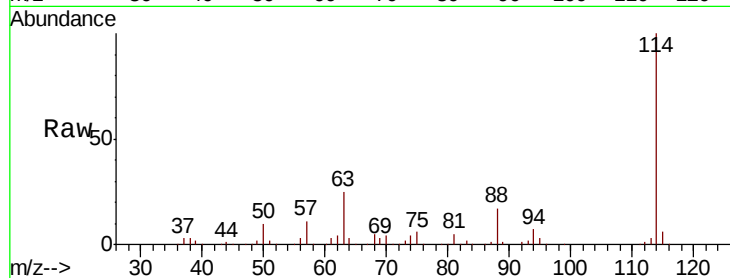




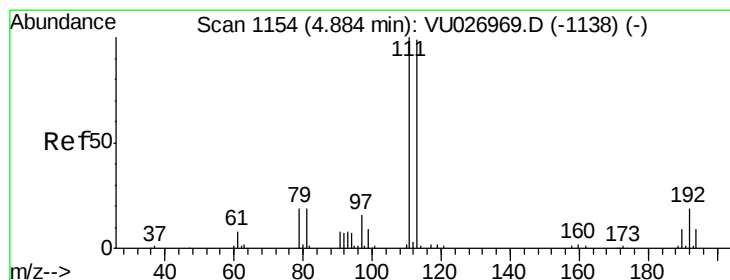
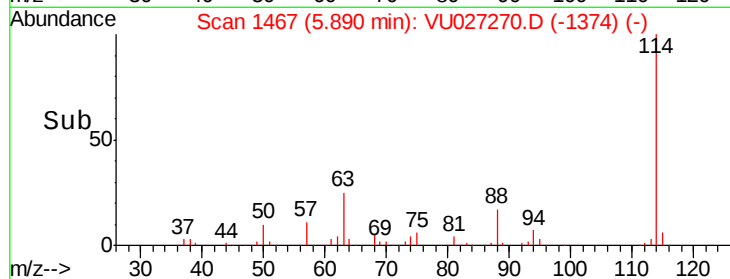
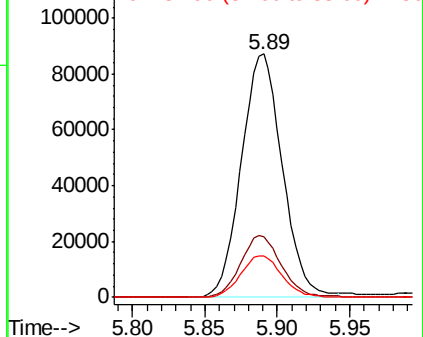
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027270.D
 Acq: 28 Sep 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0258

Tot Ion:114 Resp: 171789
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.0 0.0 33.8

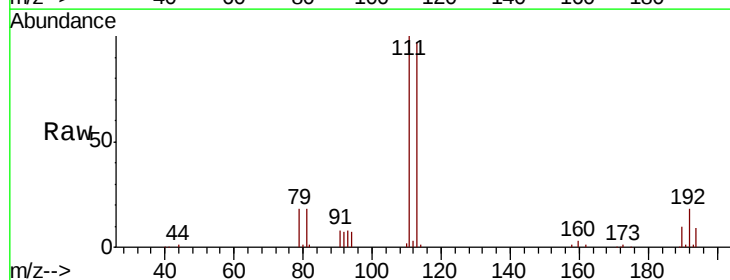


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

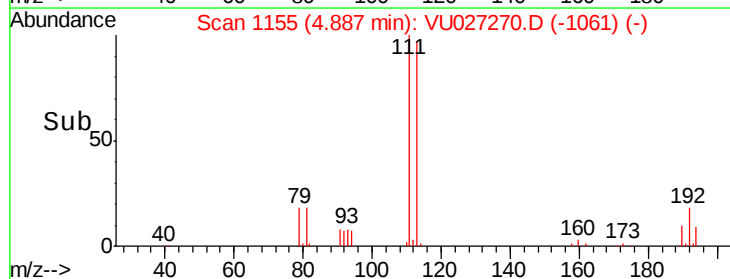
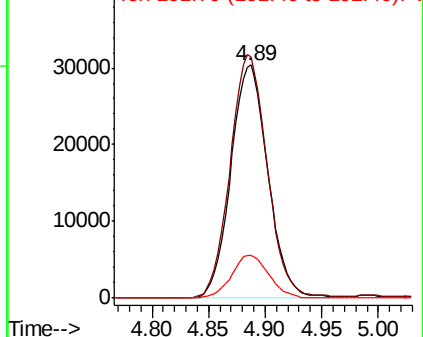


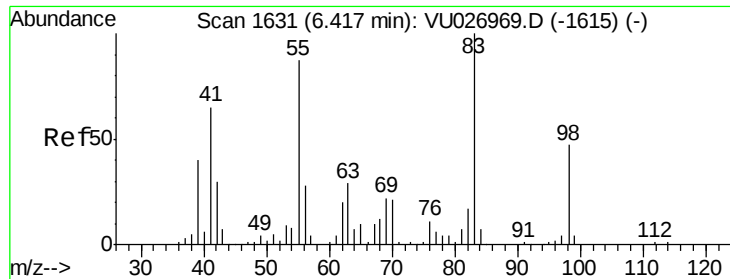
#35
 Dibromofluoromethane
 Concen: 46.583 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027270.D
 Acq: 28 Sep 2018 14:42

Tgt Ion:113 Resp: 69366
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.2 123.4
 192 18.4 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

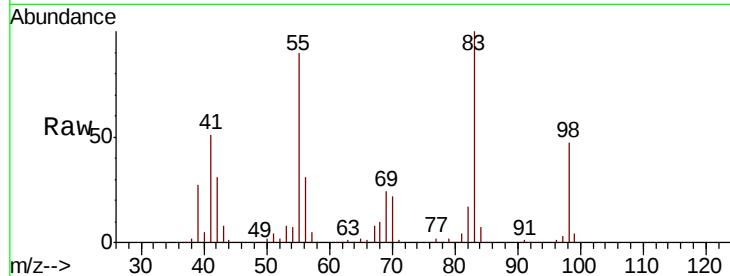




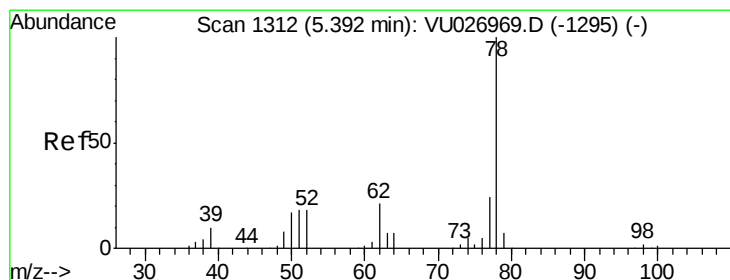
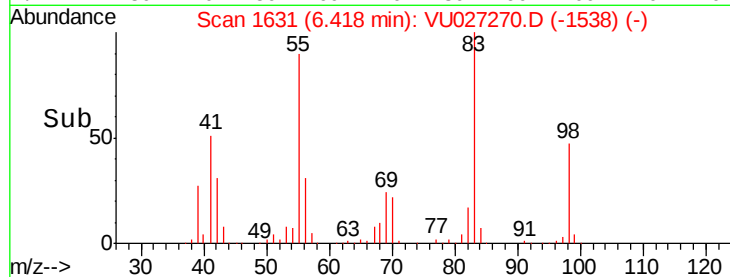
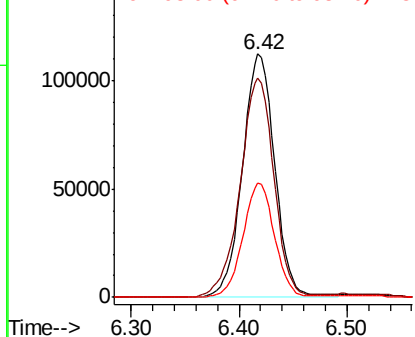
#39
Methvlcvclohexane
Concen: 94.151 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
S13-0258

Tot Ion: 83 Resp: 234581
Ion Ratio Lower Upper
83 100
55 90.1 69.9 104.9
98 47.0 37.5 56.3

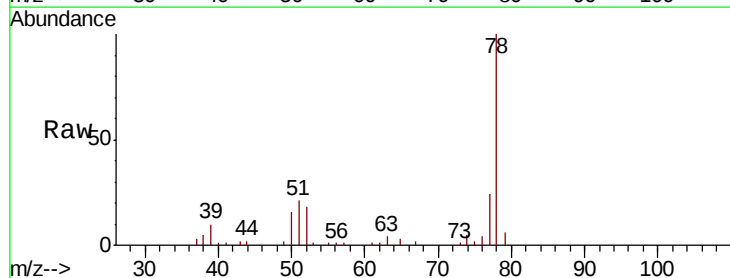


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

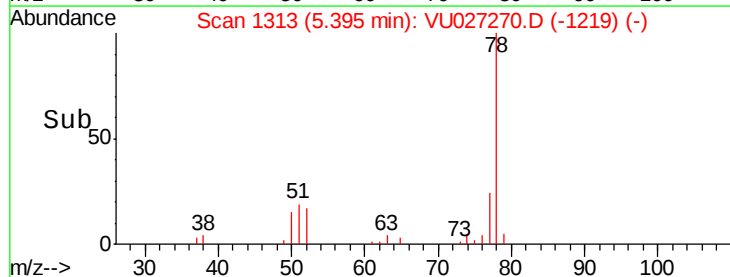
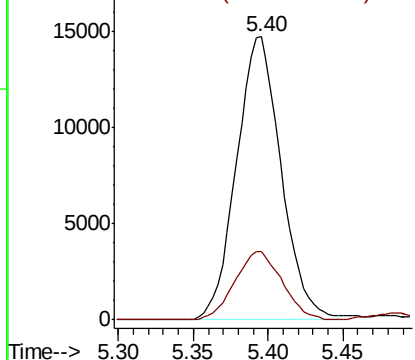


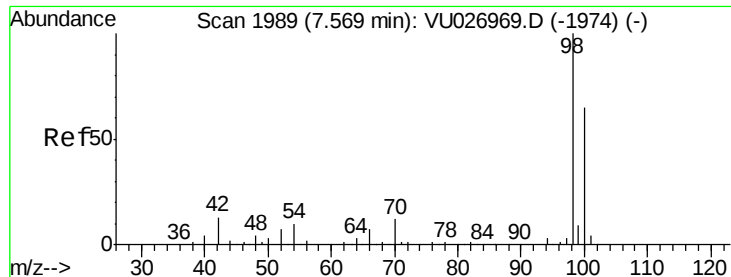
#40
Benzene
Concen: 4.383 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Tgt Ion: 78 Resp: 30548
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#50

Toluene-d8

Concen: 49.906 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027270.D

Acq: 28 Sep 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

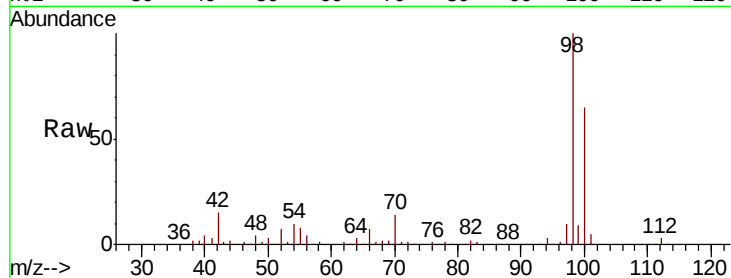
S13-0258

Tot Ion: 98 Resp: 283214

Ion Ratio Lower Upper

98 100

100 64.0 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

150000

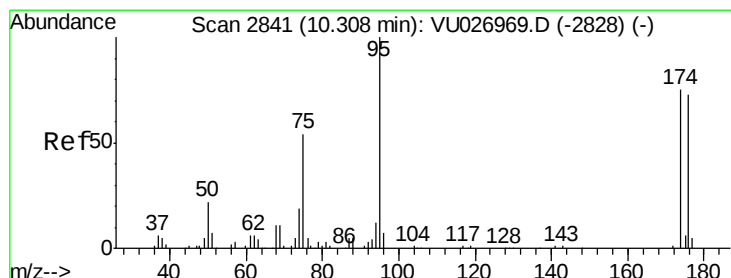
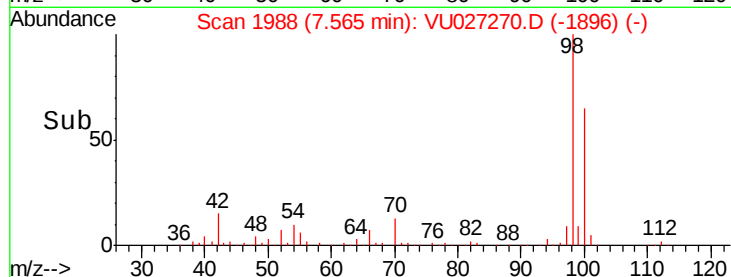
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50000

0

7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 48.385 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027270.D

Acq: 28 Sep 2018 14:42

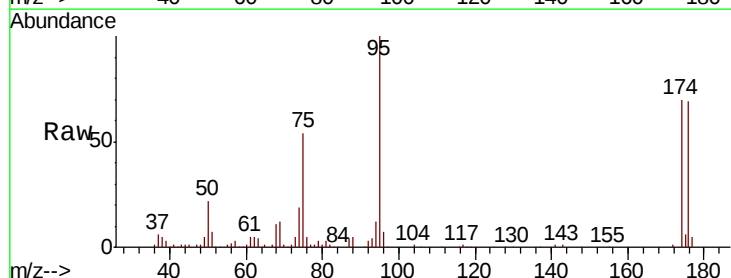
Tgt Ion: 95 Resp: 94217

Ion Ratio Lower Upper

95 100

174 71.8 0.0 150.2

176 70.2 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) (-)

80000

60000

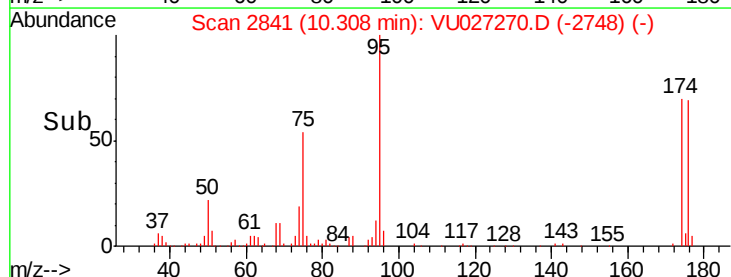
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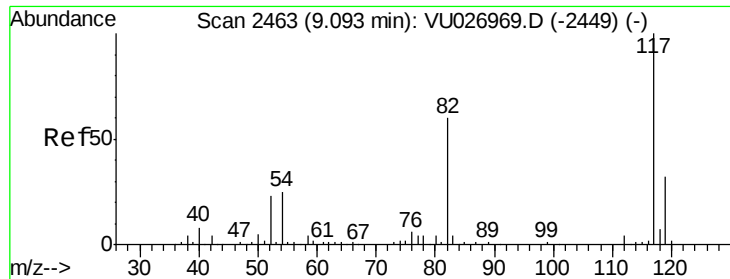
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0

10.25 10.30 10.35

Time-->

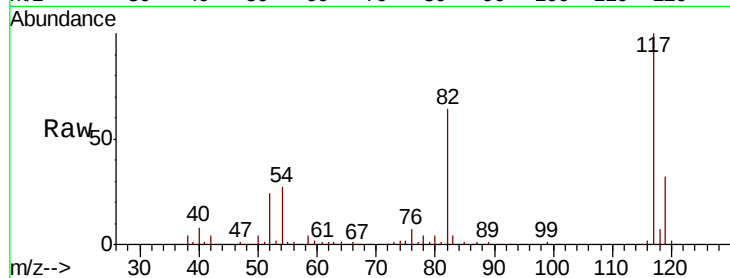




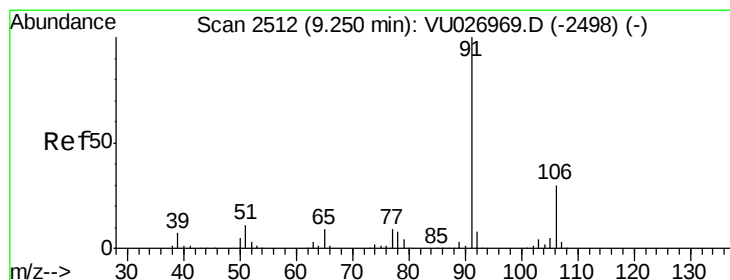
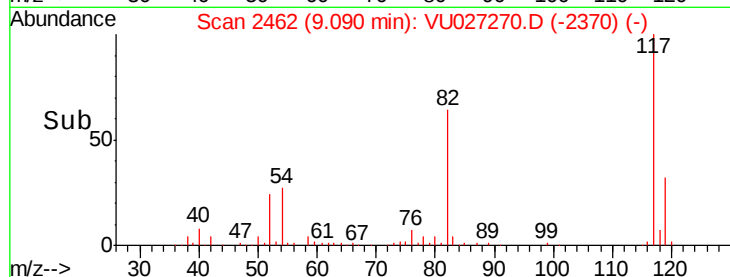
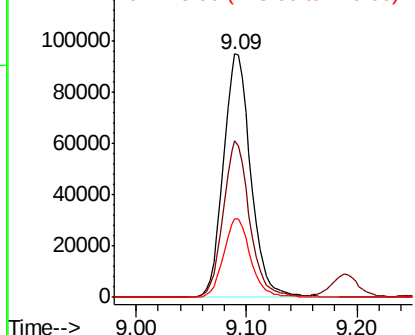
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
S13-0258

Tot Ion:117 Resp: 163175
Ion Ratio Lower Upper
117 100
82 63.9 48.0 72.0
119 32.4 25.8 38.8

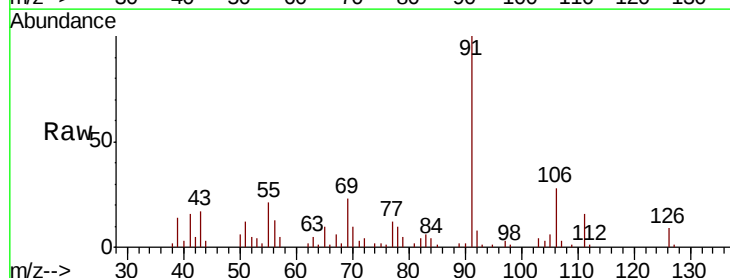


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

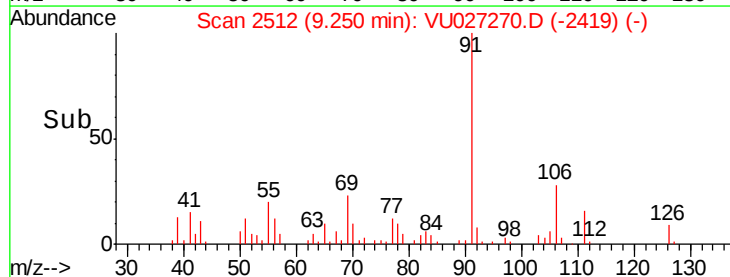
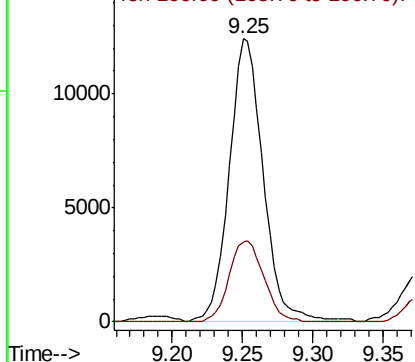


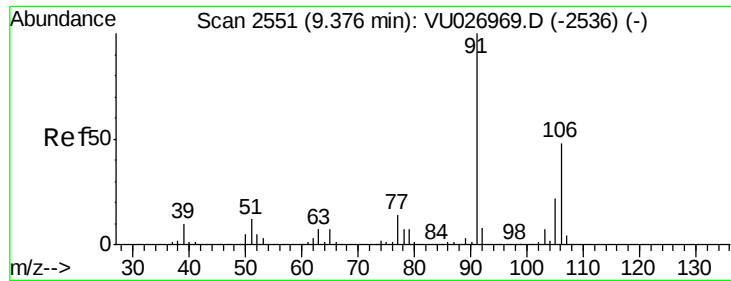
#67
Ethyl Benzene
Concen: 2.940 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Tgt Ion: 91 Resp: 20918
Ion Ratio Lower Upper
91 100
106 28.2 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V

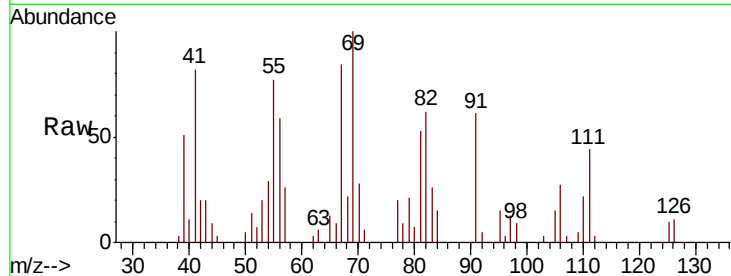




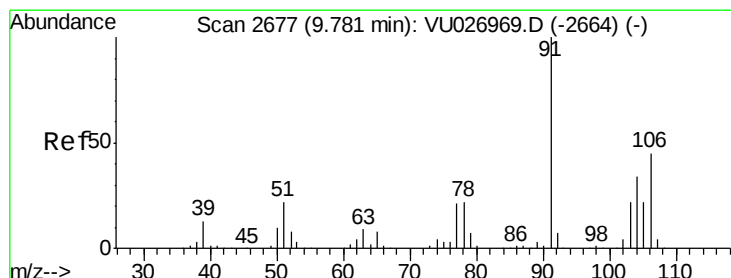
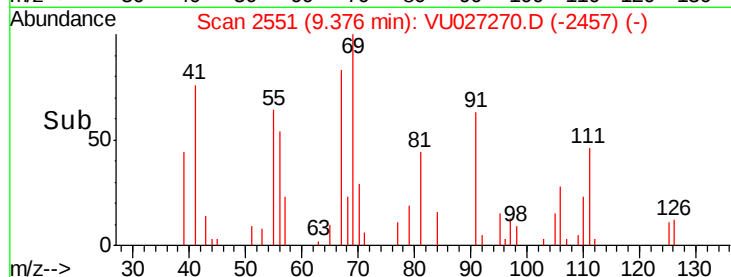
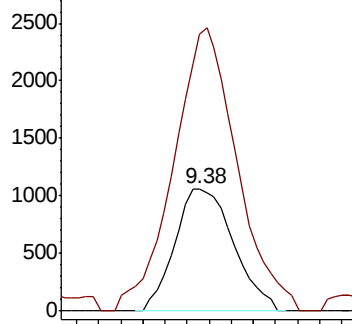
#68
m/p-Xylenes
Concen: 2.168 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
S13-0258

Tot Ion:106 Resp: 1953
Ion Ratio Lower Upper
106 100
91 250.3 166.5 249.7#

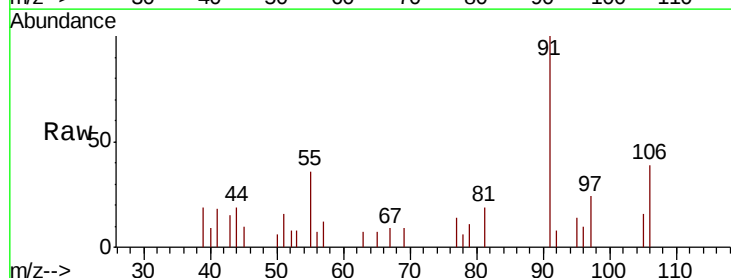


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

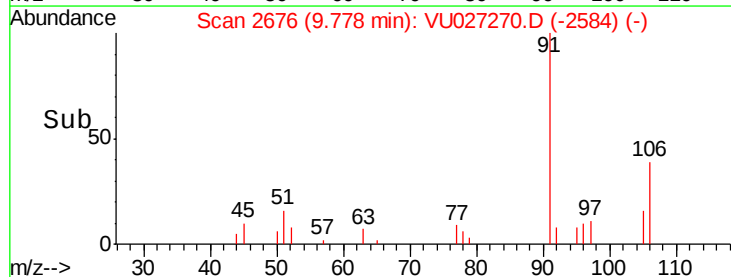
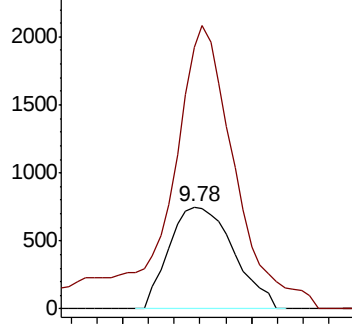


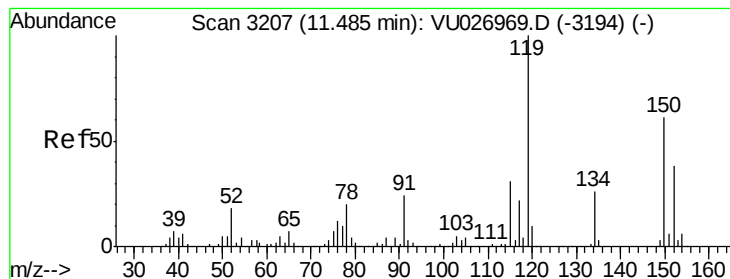
#69
o-Xylene
Concen: 0.519 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Tgt Ion:106 Resp: 1308
Ion Ratio Lower Upper
106 100
91 284.7 110.2 330.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027270.D

Acq: 28 Sep 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

S13-0258

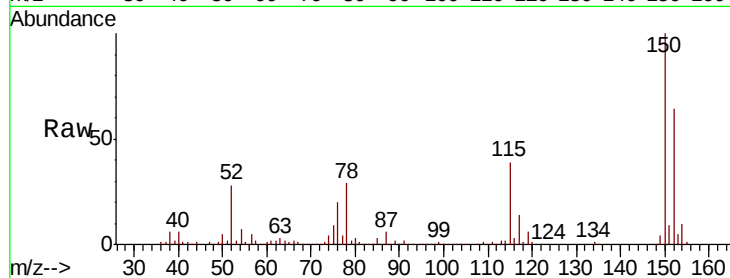
Tot Ion:152 Resp: 82093

Ion Ratio Lower Upper

152 100

115 61.0 44.9 134.5

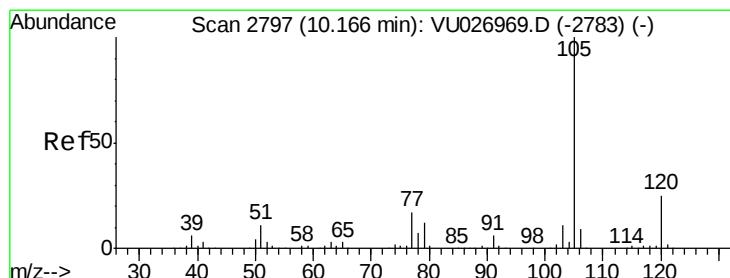
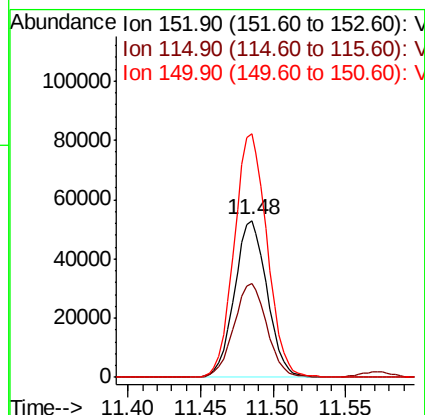
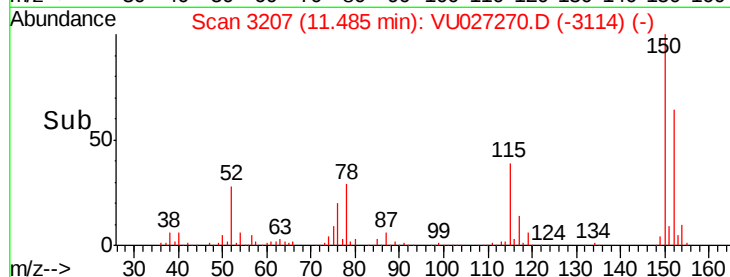
150 157.7 0.0 355.8



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: 0.614 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027270.D

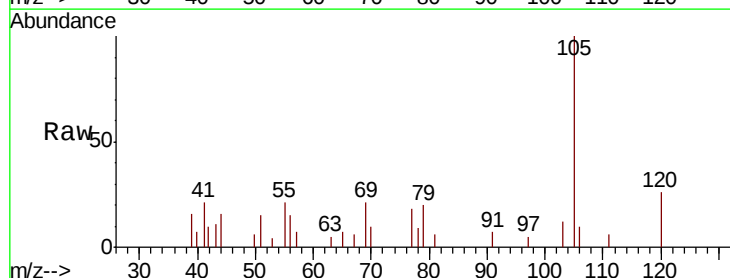
Acq: 28 Sep 2018 14:42

Tgt Ion:105 Resp: 3835

Ion Ratio Lower Upper

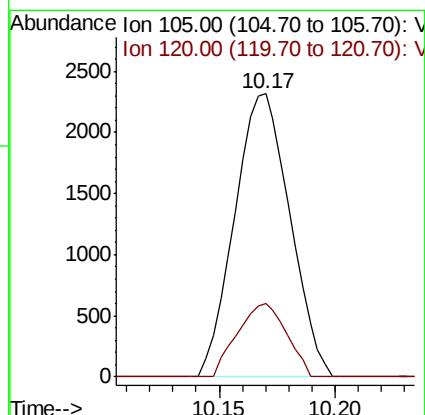
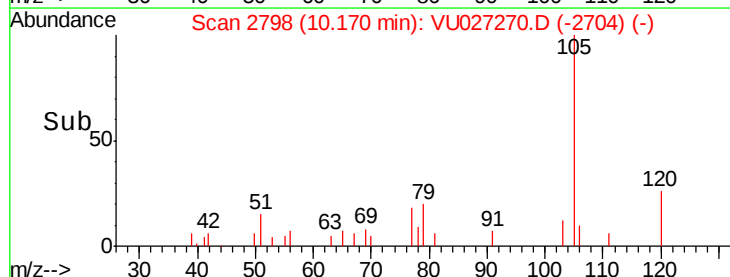
105 100

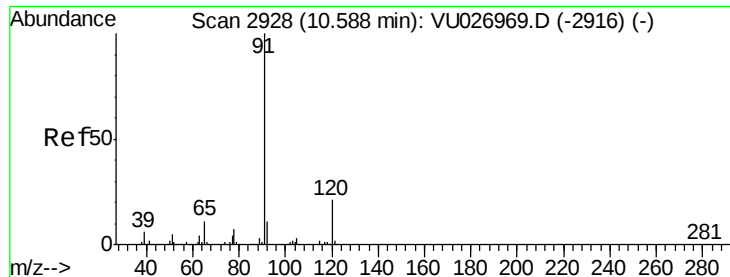
120 23.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.369 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027270.D

Acq: 28 Sep 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

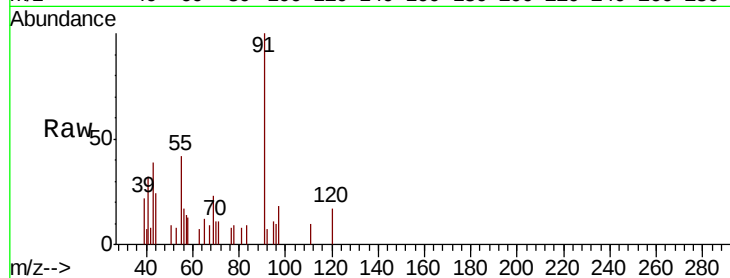
S13-0258

Tot Ion: 91 Resp: 2730

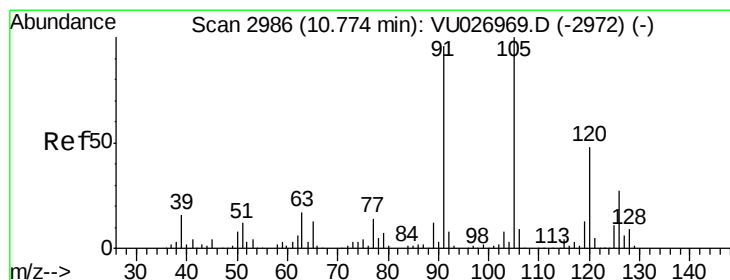
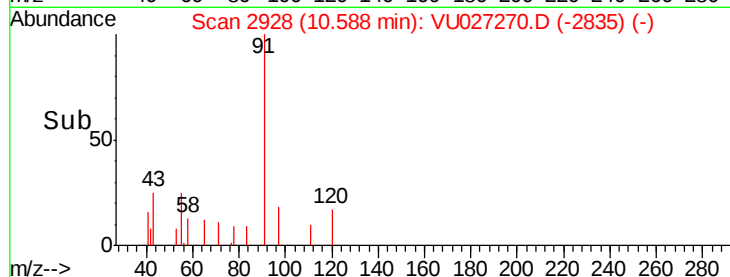
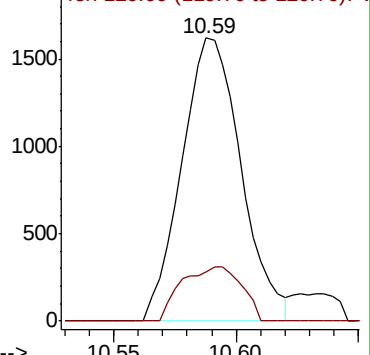
Ion Ratio Lower Upper

91 100

120 19.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2916) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.071 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027270.D

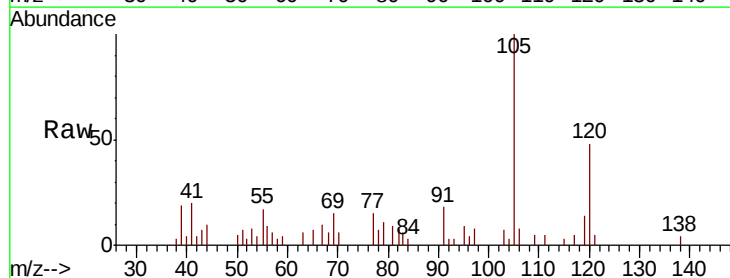
Acq: 28 Sep 2018 14:42

Tgt Ion: 105 Resp: 5522

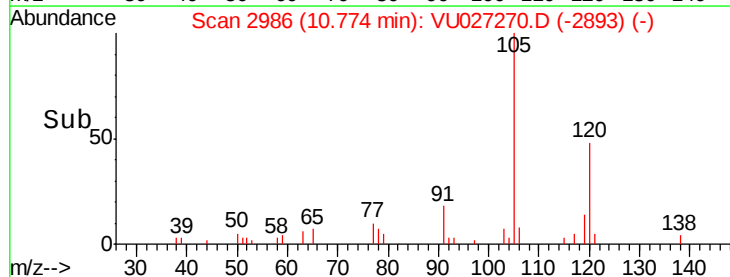
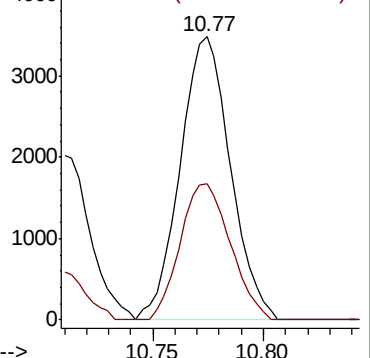
Ion Ratio Lower Upper

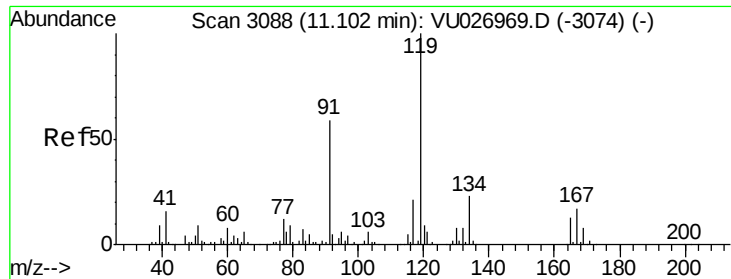
105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

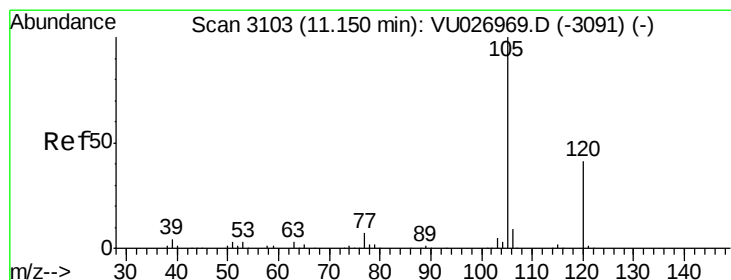
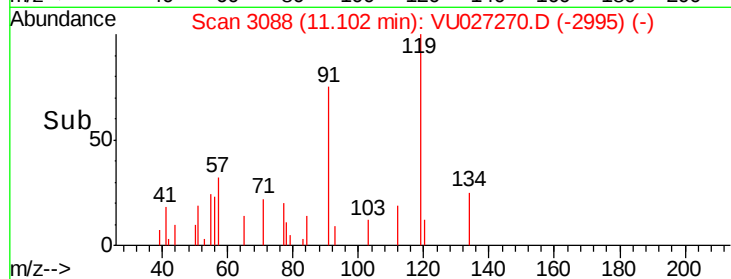
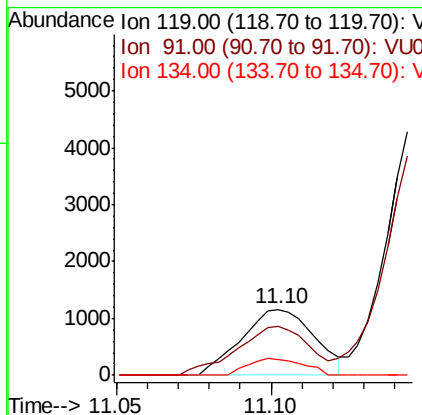
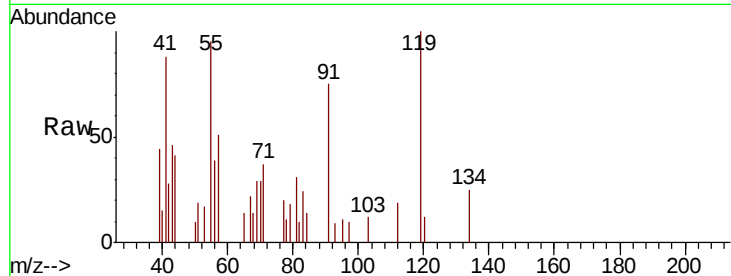




#83
tert-Butylbenzene
Concen: 0.371 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

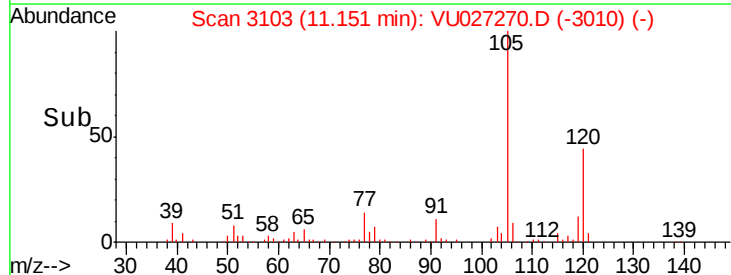
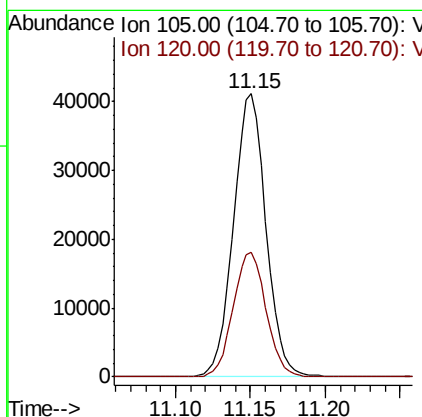
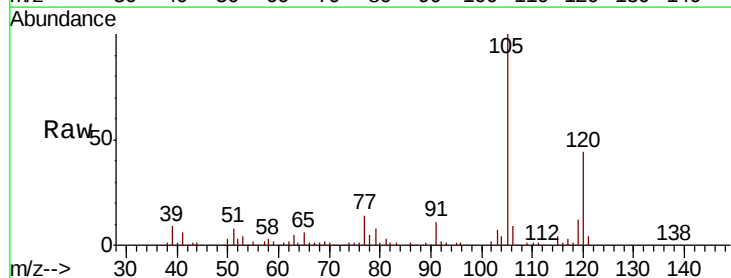
Instrument :
MSVOA_U
ClientSampleId :
S13-0258

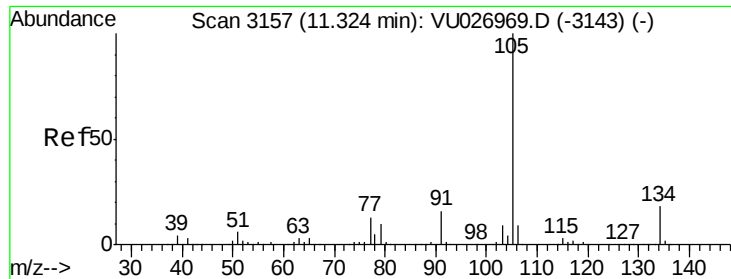
Tot Ion:119 Resp: 1890
Ion Ratio Lower Upper
119 100
91 73.8 29.8 89.4
134 19.8 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 11.854 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027270.D
Acq: 28 Sep 2018 14:42

Tgt Ion:105 Resp: 62187
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.2





#85

sec-Butylbenzene

Concen: 0.398 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027270.D

Acq: 28 Sep 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

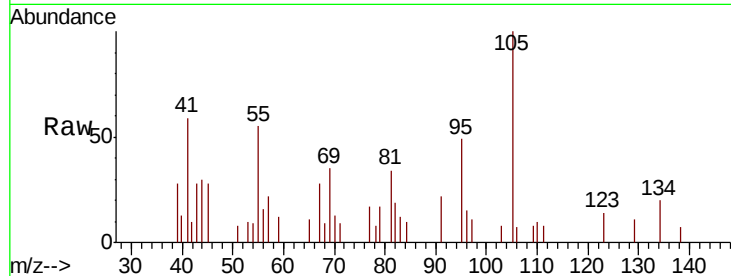
S13-0258

Tot Ion:105 Resp: 2474

Ion Ratio Lower Upper

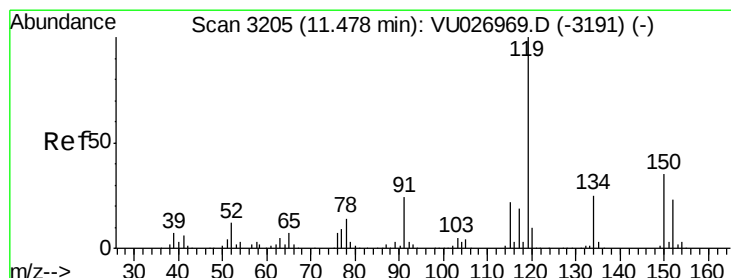
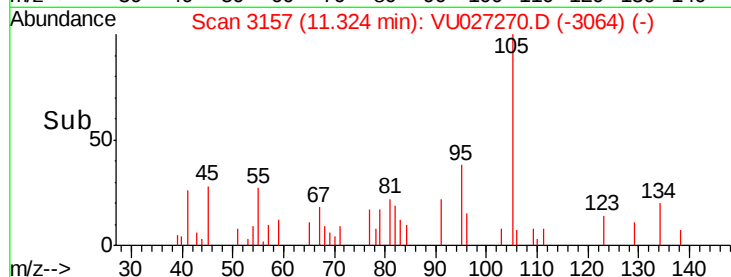
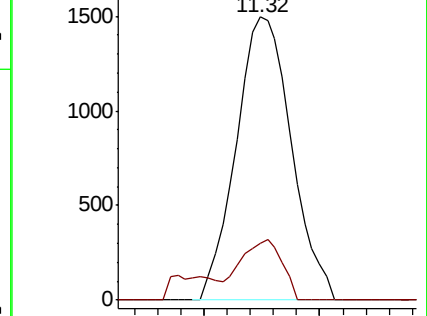
105 100

134 16.0 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.424 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027270.D

Acq: 28 Sep 2018 14:42

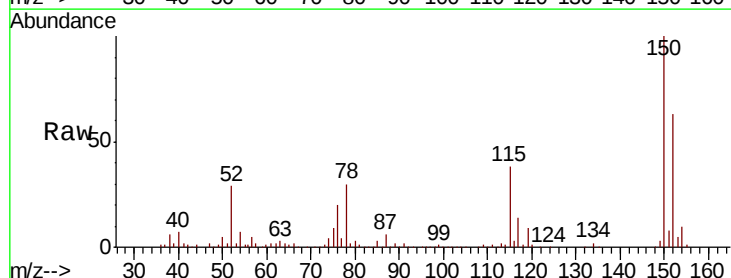
Tgt Ion:119 Resp: 8901

Ion Ratio Lower Upper

119 100

134 27.6 12.8 38.3

91 28.7 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

