

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027267.D
 Acq On : 28 Sep 2018 13:32
 Operator : MD/SY
 Sample : J5104-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-2

Quant Time: Sep 28 17:52:57 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	95880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	162081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85255	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	97987	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	4.89	113	68131	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	7.57	98	274442	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.31	95	96670	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	

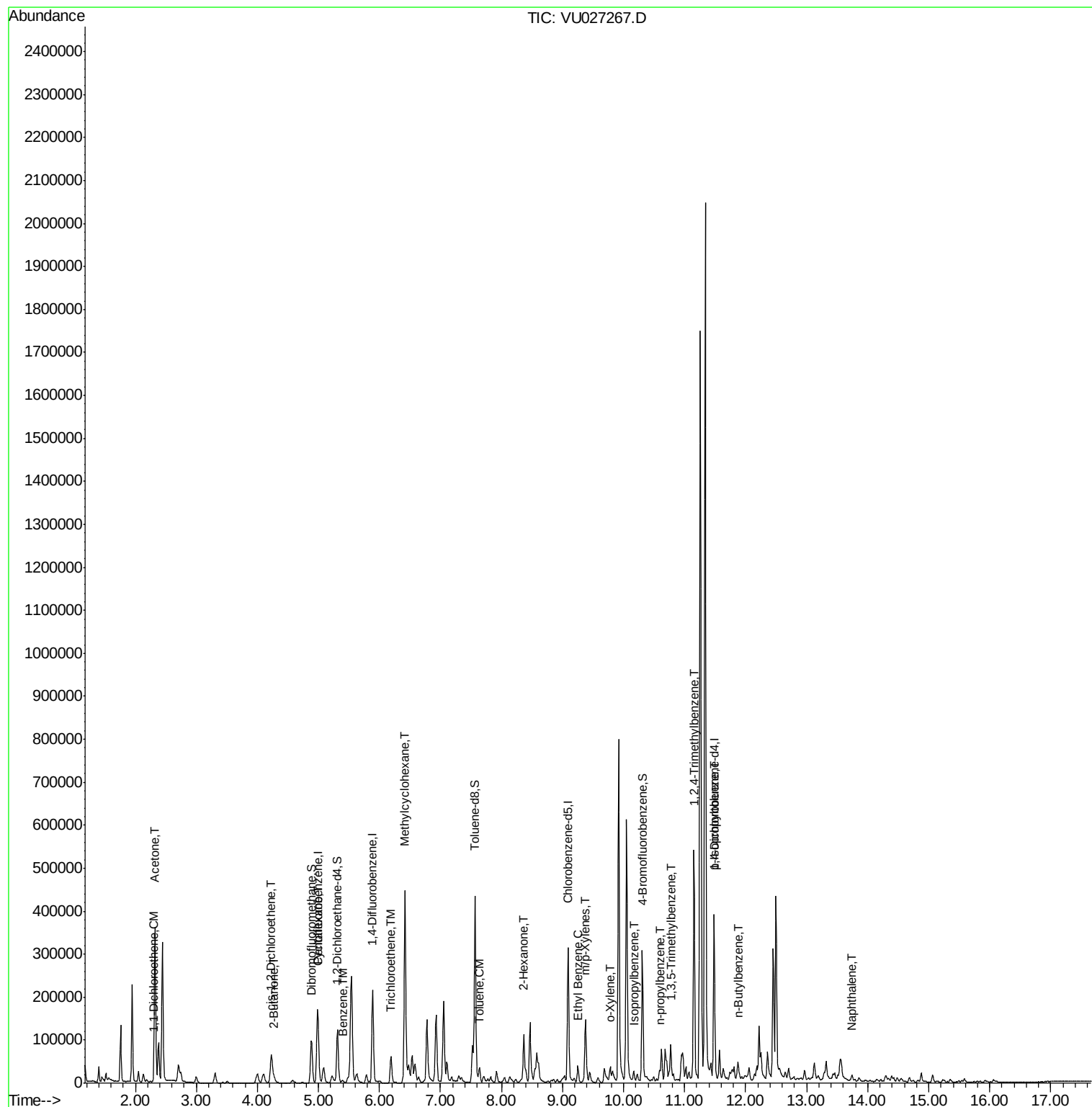
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.29	96	901	0.680	ug/l	96
16) Acetone	2.32	43	378632	377.860	ug/l	98
25) 2-Butanone	4.27	43	27729	17.098	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	31803	19.918	ug/l	93
31) Cyclohexane	5.00	56	20911	6.773	ug/l #	94
39) Methylcyclohexane	6.42	83	39468	16.382	ug/l	89
40) Benzene	5.40	78	5248	0.779	ug/l	99
44) Trichloroethene	6.19	130	17890	12.469	ug/l	97
52) Toluene	7.64	92	12905	3.341	ug/l	97
59) 2-Hexanone	8.36	43	79524	34.512	ug/l	99
67) Ethyl Benzene	9.25	91	23696	3.353	ug/l	97
68) m/p-Xylenes	9.38	106	37819	14.517	ug/l	99
69) o-Xylene	9.78	106	8740	3.491	ug/l	95
73) Isopropylbenzene	10.17	105	12733	1.963	ug/l	99
78) n-propylbenzene	10.59	91	19023	2.479	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	42770	7.989	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	75806	13.914	ug/l	98
86) p-Isopropyltoluene	11.48	119	7301	2.109	ug/l	97
89) n-Butylbenzene	11.88	91	7777	3.652	ug/l #	36
95) Naphthalene	13.75	128	7613	2.731	ug/l	99

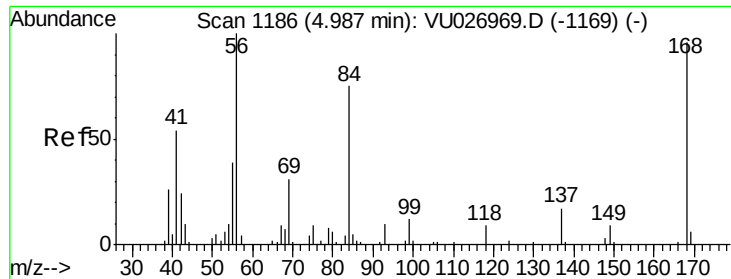
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027267.D

Acq: 28 Sep 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

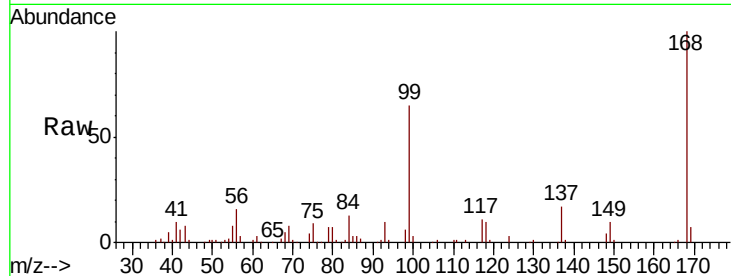
FA18-JEB5-2

Tot Ion:168 Resp: 95880

Ion Ratio Lower Upper

168 100

99 65.0 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

50000

40000

30000

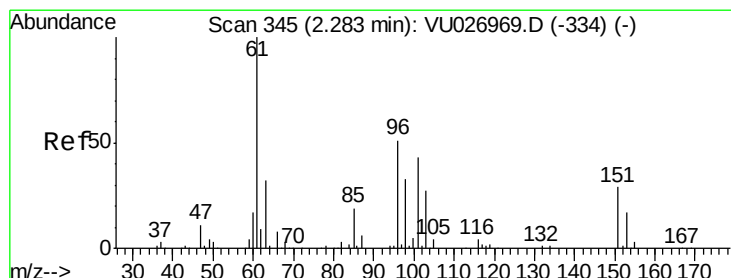
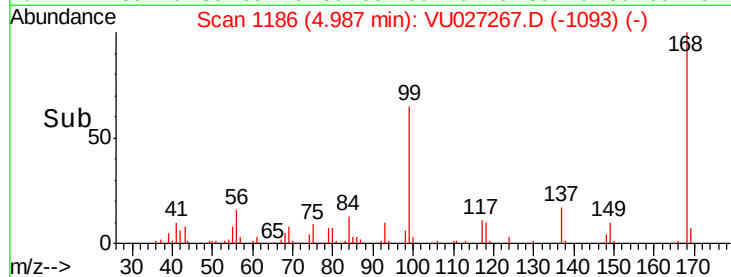
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#12

1,1-Dichloroethene

Concen: 0.680 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027267.D

Acq: 28 Sep 2018 13:32

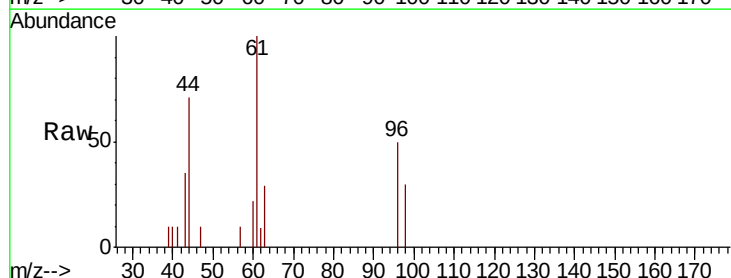
Tgt Ion: 96 Resp: 901

Ion Ratio Lower Upper

96 100

61 200.2 156.1 234.1

98 59.6 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-334) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-334) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-334) (-)

1500

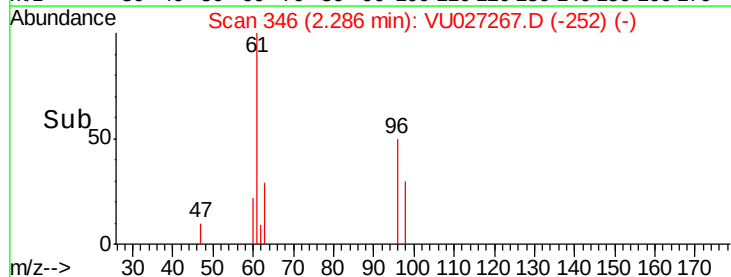
1000

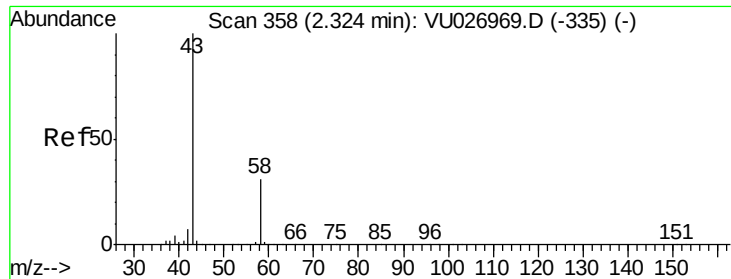
500

0

Time-->

2.24 2.26 2.28 2.30 2.32





#16

Acetone

Concen: 377.860 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027267.D

Acq: 28 Sep 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

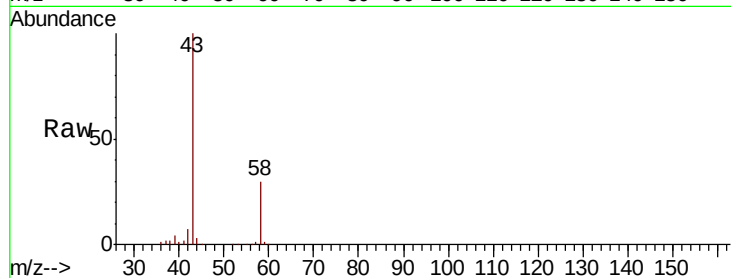
FA18-JEB5-2

Tot Ion: 43 Resp: 378632

Ion Ratio Lower Upper

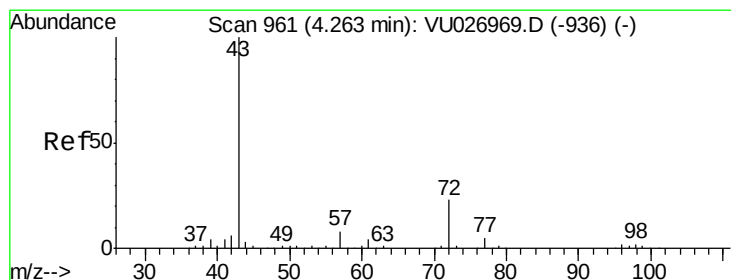
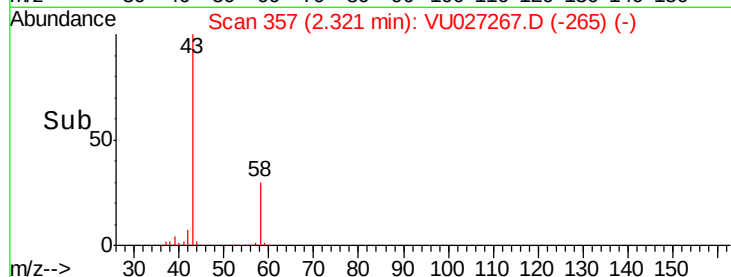
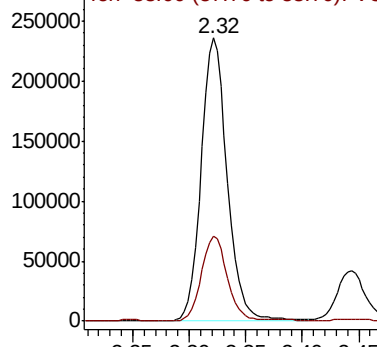
43 100

58 29.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

2-Butanone

Concen: 17.098 ug/l

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU027267.D

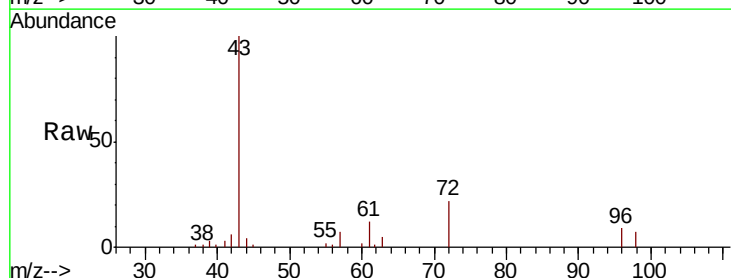
Acq: 28 Sep 2018 13:32

Tgt Ion: 43 Resp: 27729

Ion Ratio Lower Upper

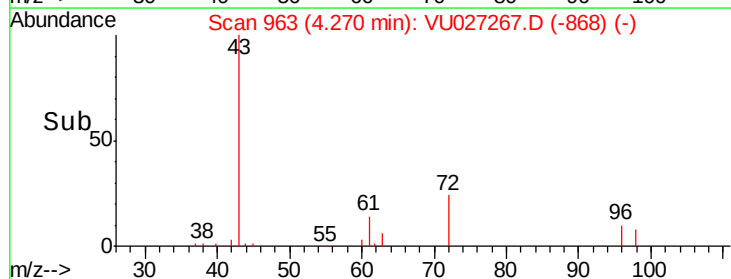
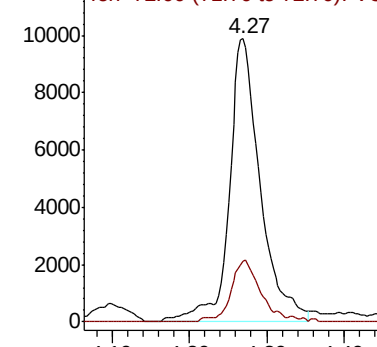
43 100

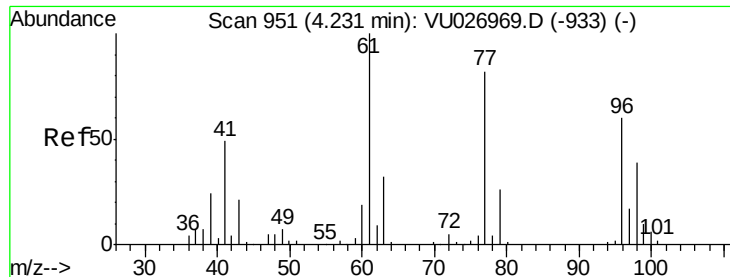
72 21.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



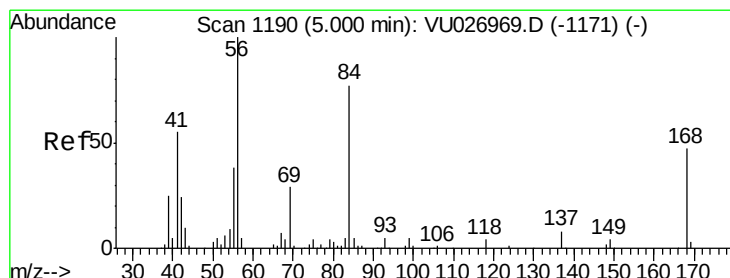
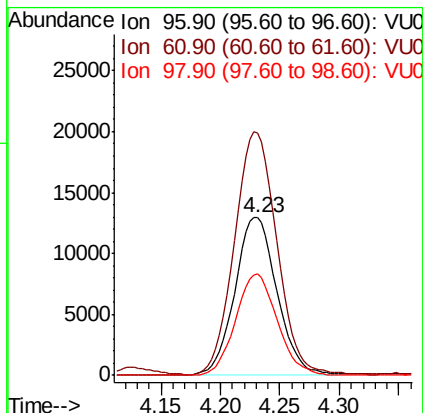
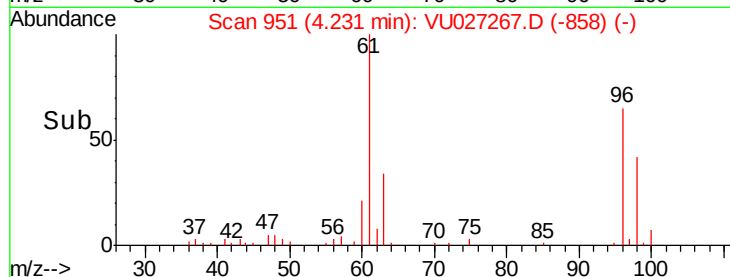
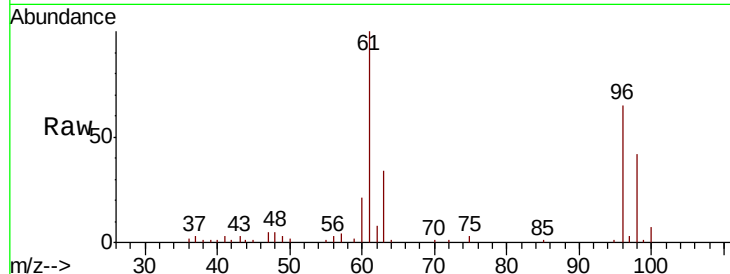


#27

cis-1,2-Dichloroethene
 Concen: 19.918 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027267.D
 Acq: 28 Sep 2018 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-2

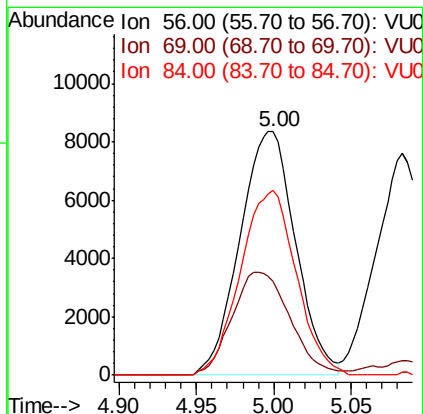
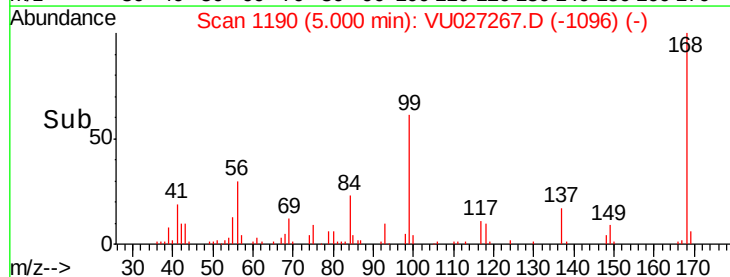
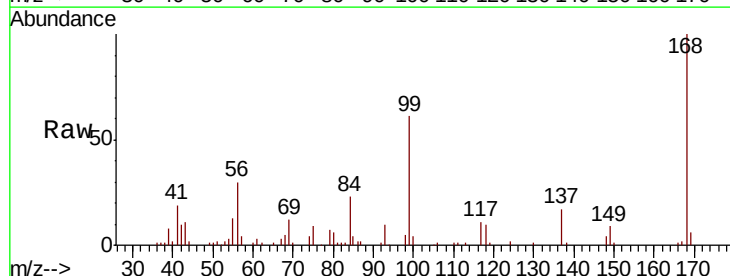
Tot Ion: 96 Resp: 31803
 Ion Ratio Lower Upper
 96 100
 61 155.3 0.0 337.2
 98 63.2 0.0 127.6

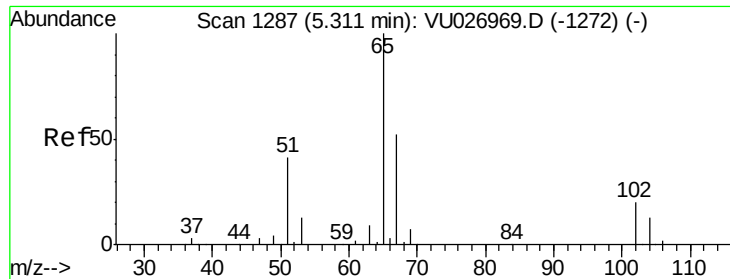


#31

Cyclohexane
 Concen: 6.773 ug/l
 RT: 5.00 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VU027267.D
 Acq: 28 Sep 2018 13:32

Tgt Ion: 56 Resp: 20911
 Ion Ratio Lower Upper
 56 100
 69 38.4 23.0 34.4#
 84 75.8 61.4 92.2

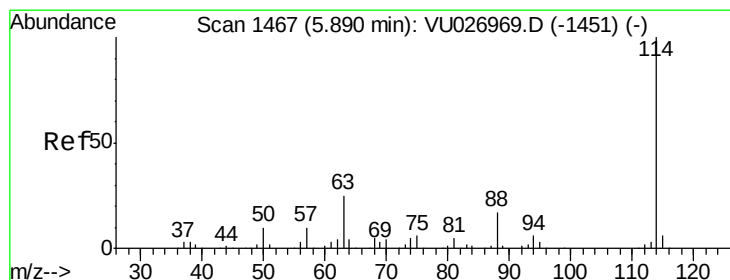
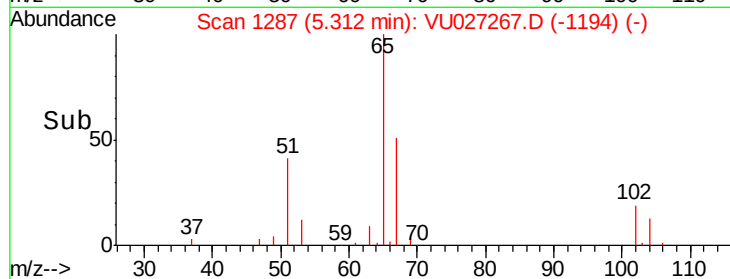
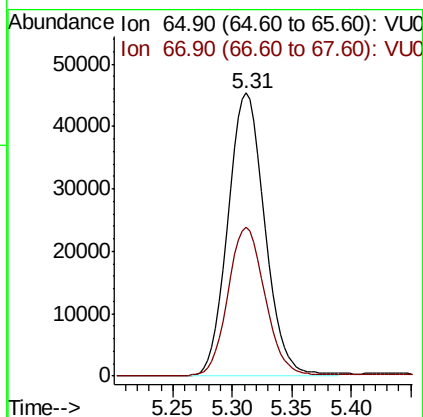
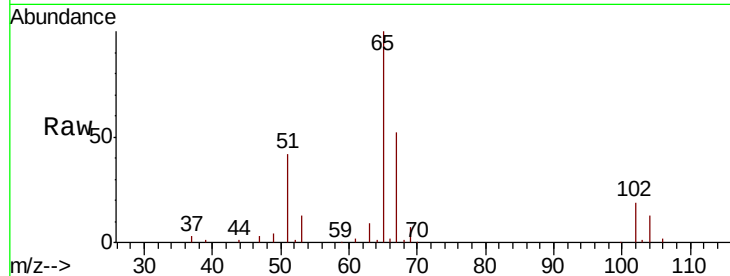




#33
 1,2-Dichloroethane-d4
 Concen: 50.777 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027267.D
 Acq: 28 Sep 2018 13:32

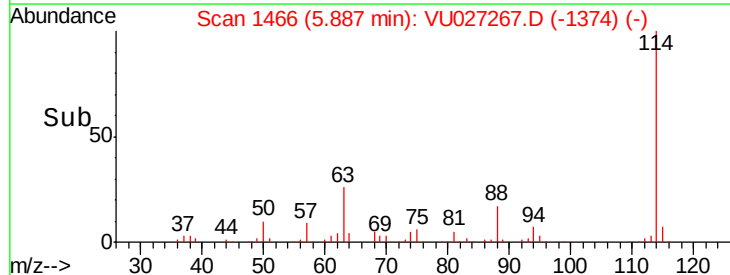
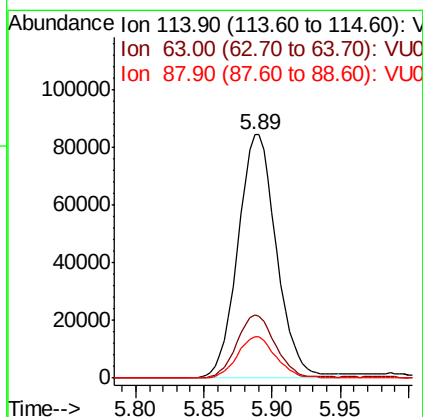
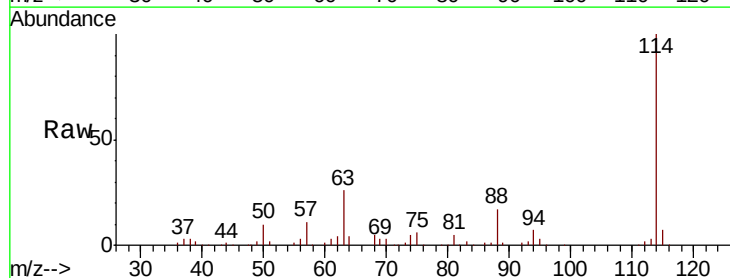
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-2

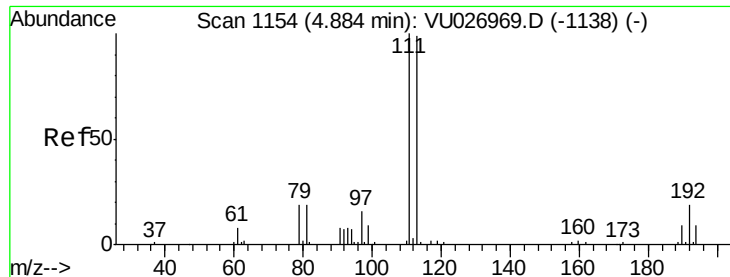
Tot Ion: 65 Resp: 97987
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027267.D
 Acq: 28 Sep 2018 13:32

Tgt Ion: 114 Resp: 166109
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 49.2
 88 17.1 0.0 33.8

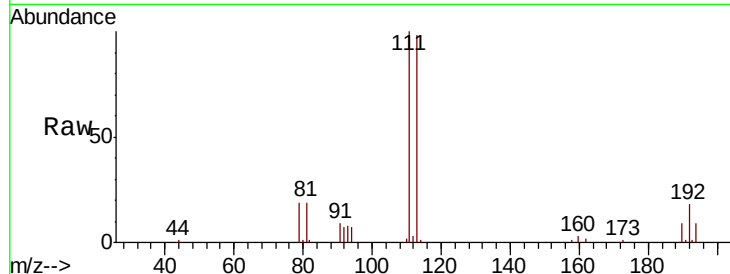




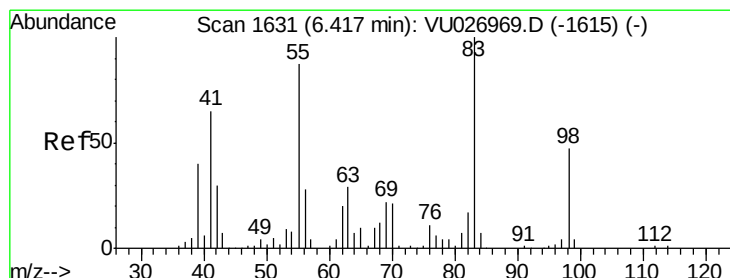
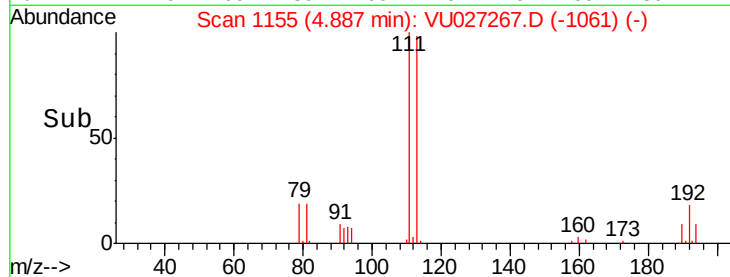
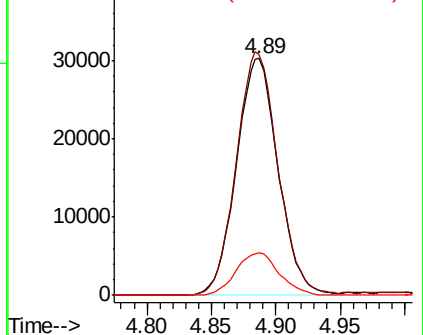
#35
Dibromofluoromethane
Concen: 47.319 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-2

Tot Ion:113 Resp: 68131
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 18.5 15.2 22.8

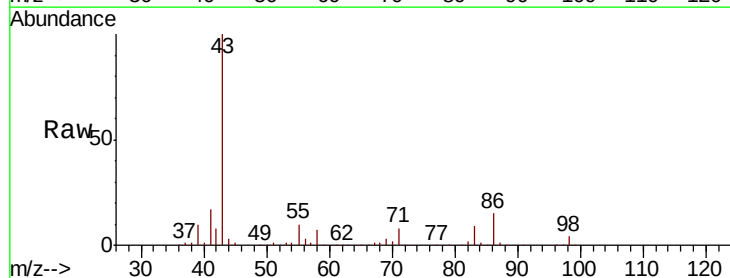


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

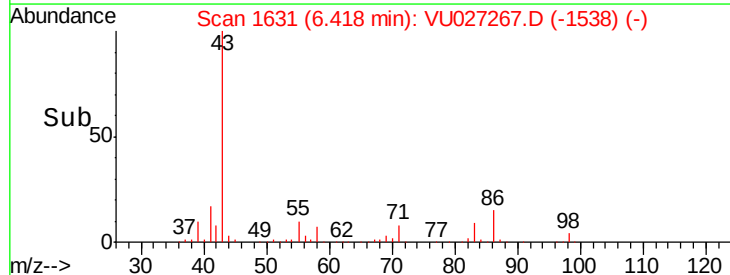
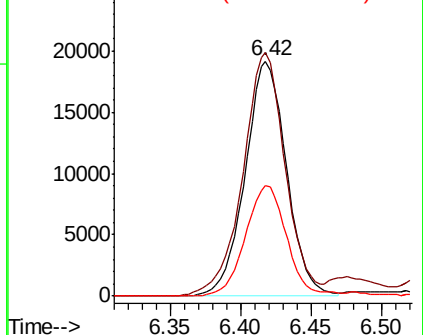


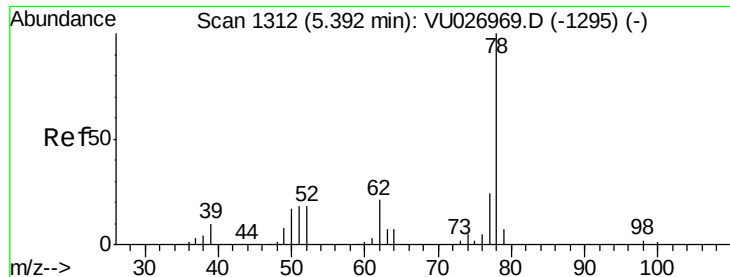
#39
Methylcyclohexane
Concen: 16.382 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Tgt Ion: 83 Resp: 39468
Ion Ratio Lower Upper
83 100
55 102.6 69.9 104.9
98 46.9 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: 0.779 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027267.D

Acq: 28 Sep 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

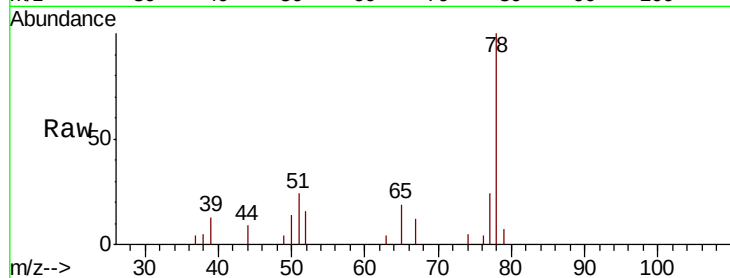
FA18-JEB5-2

Tot Ion: 78 Resp: 5248

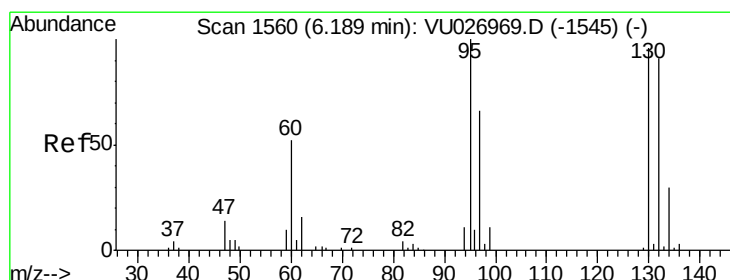
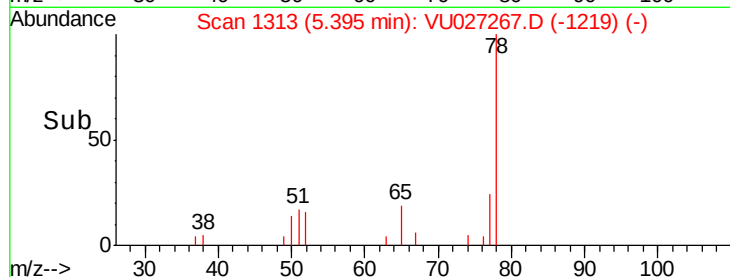
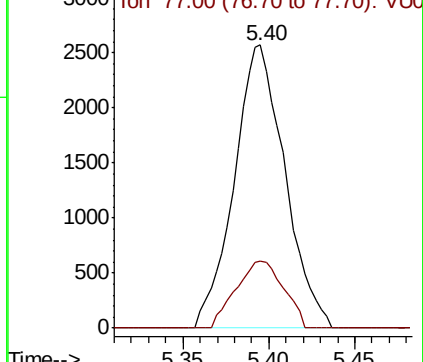
Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU027267.D (-1219) (-)



#44

Trichloroethene

Concen: 12.469 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027267.D

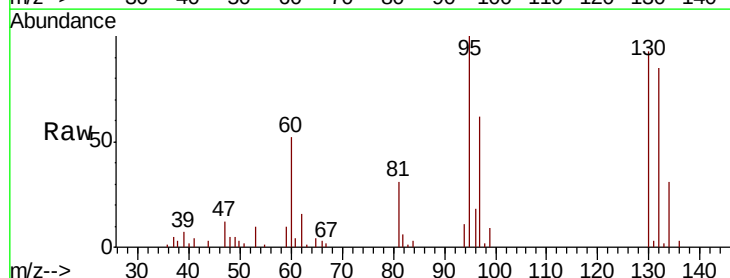
Acq: 28 Sep 2018 13:32

Tgt Ion: 130 Resp: 17890

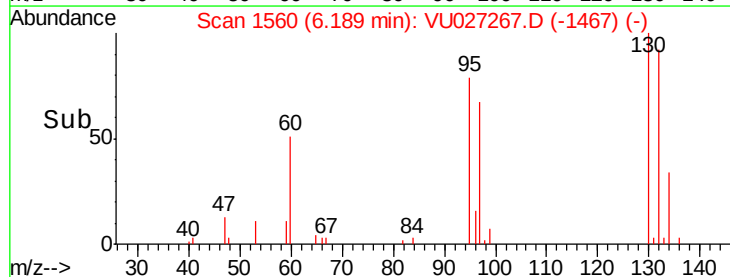
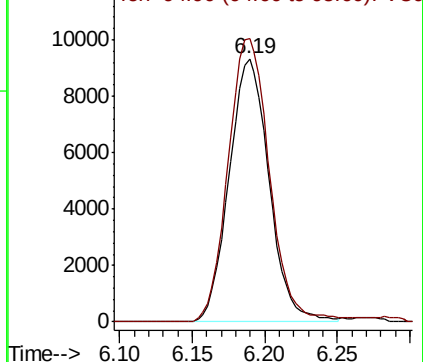
Ion Ratio Lower Upper

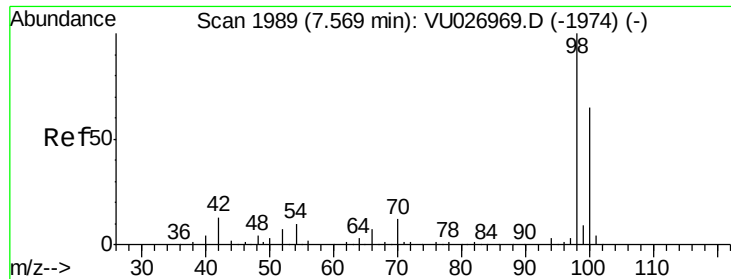
130 100

95 107.5 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU027267.D (-1467) (-)

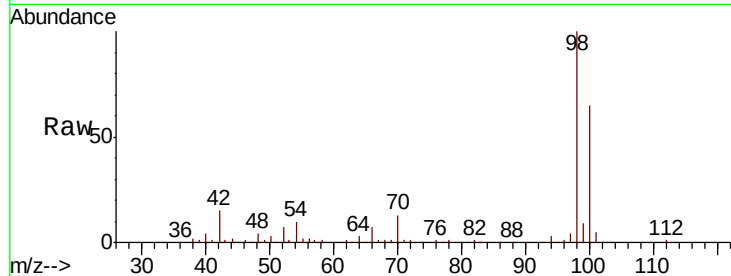




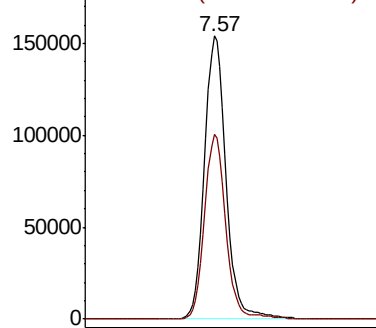
#50
Toluene-d8
Concen: 50.014 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-2

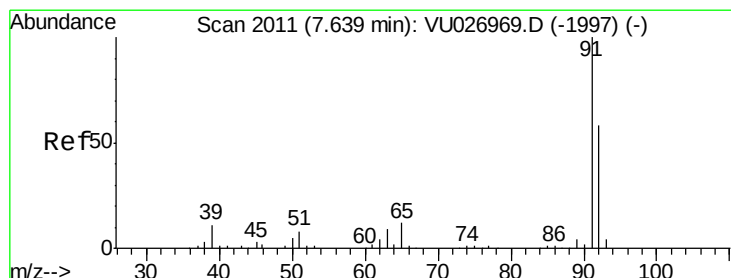
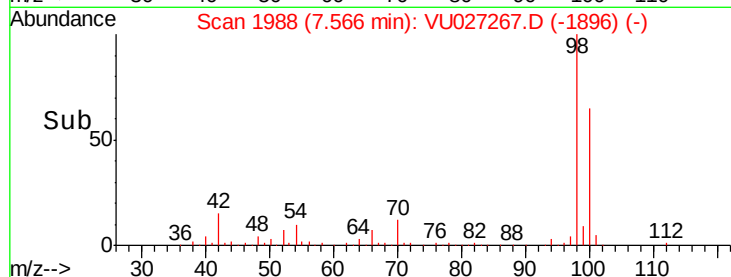
Tot Ion: 98 Resp: 274442
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

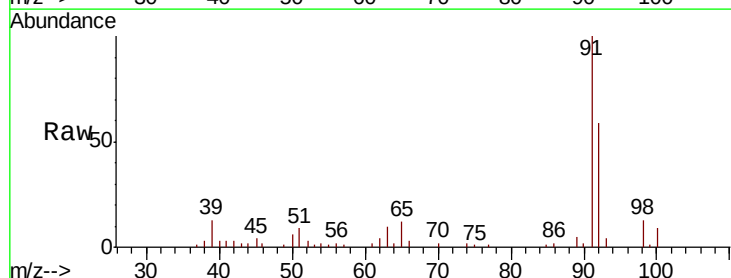


Time-->

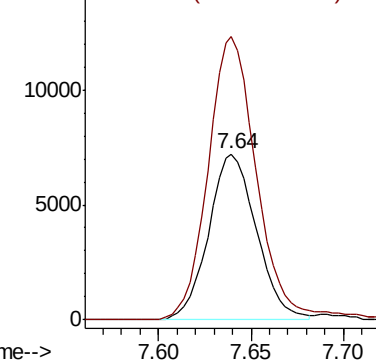


#52
Toluene
Concen: 3.341 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

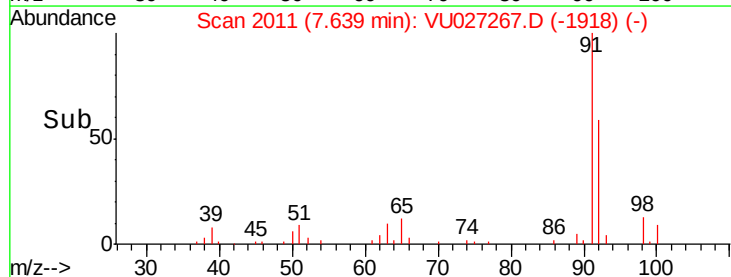
Tgt Ion: 92 Resp: 12905
Ion Ratio Lower Upper
92 100
91 175.3 136.4 204.6

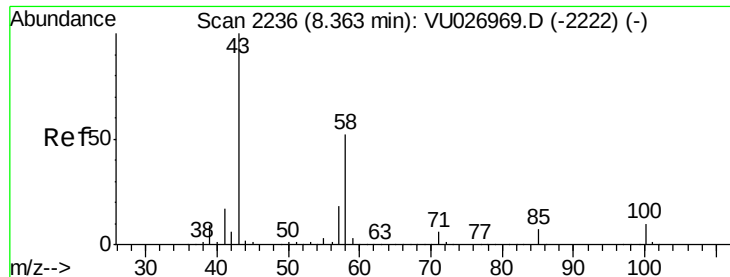


Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0



Time-->

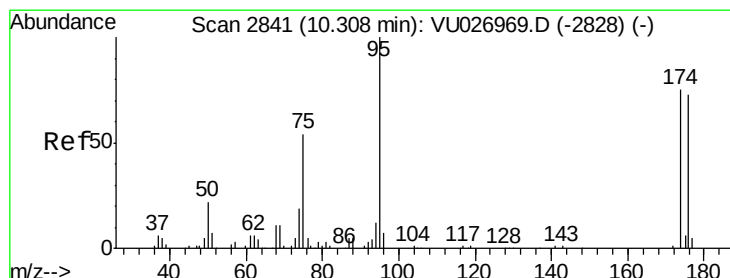
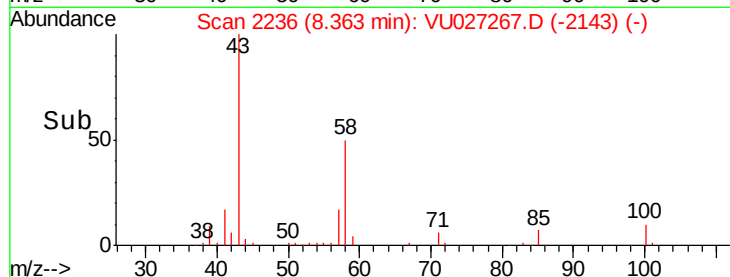
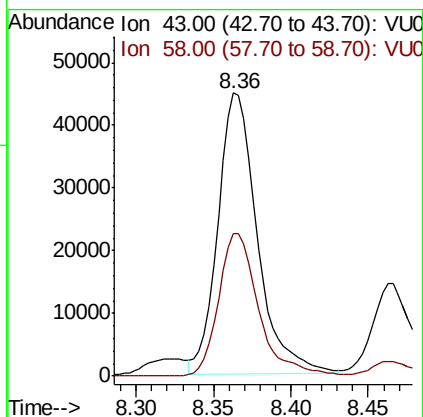
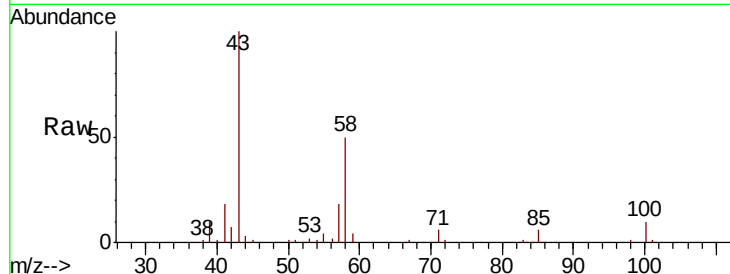




#59
2-Hexanone
Concen: 34.512 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

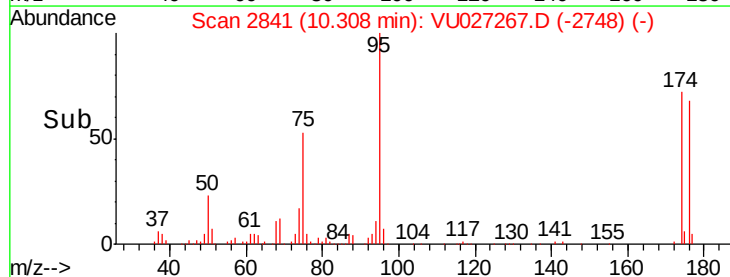
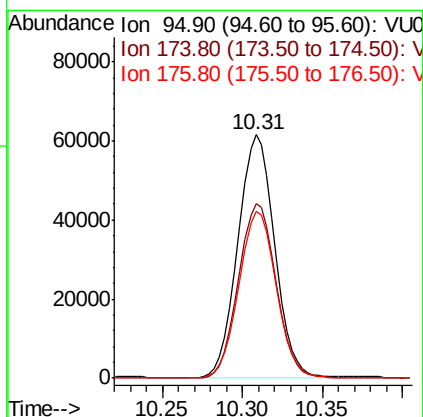
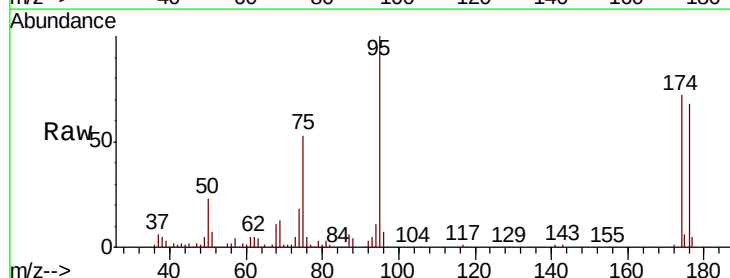
Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-2

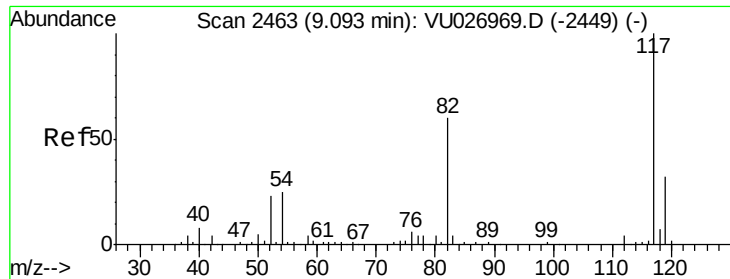
Tot Ion: 43 Resp: 79524
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 51.342 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Tgt Ion: 95 Resp: 96670
Ion Ratio Lower Upper
95 100
174 73.2 0.0 150.2
176 69.7 0.0 145.2

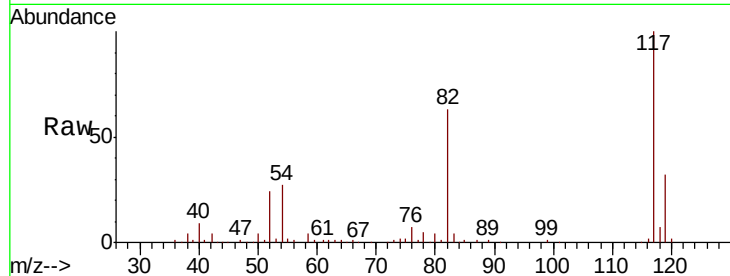




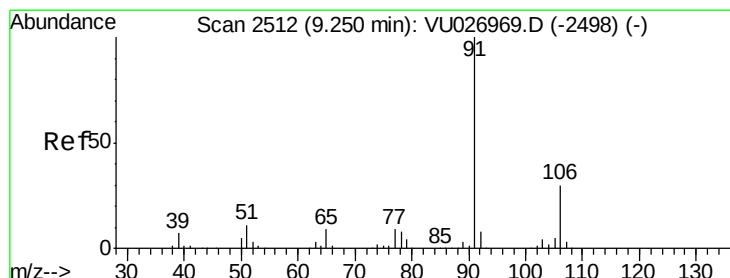
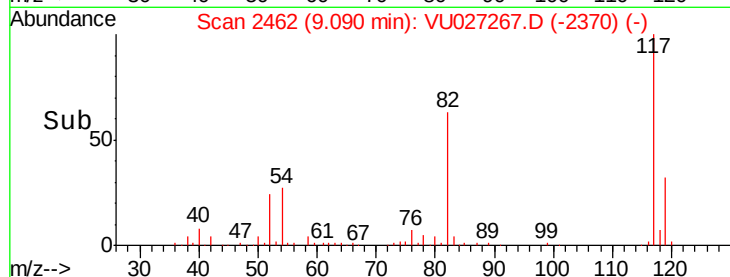
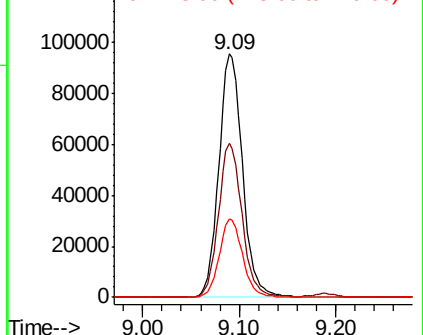
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-2

Tot Ion:117 Resp: 162081
Ion Ratio Lower Upper
117 100
82 63.3 48.0 72.0
119 32.0 25.8 38.8

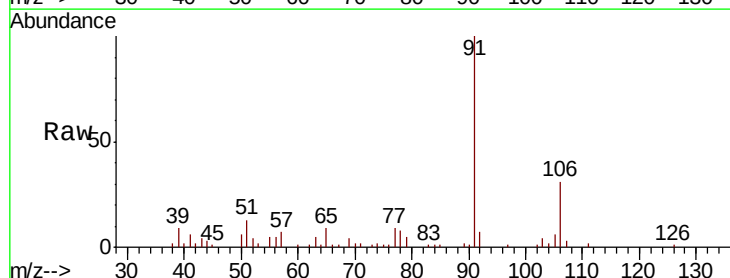


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

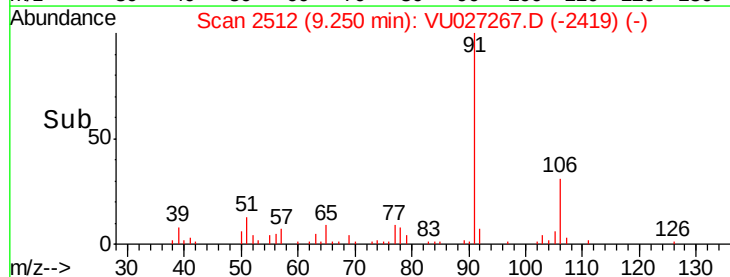
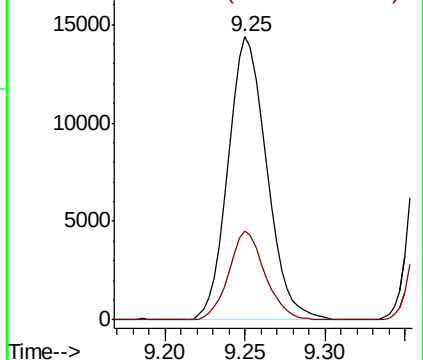


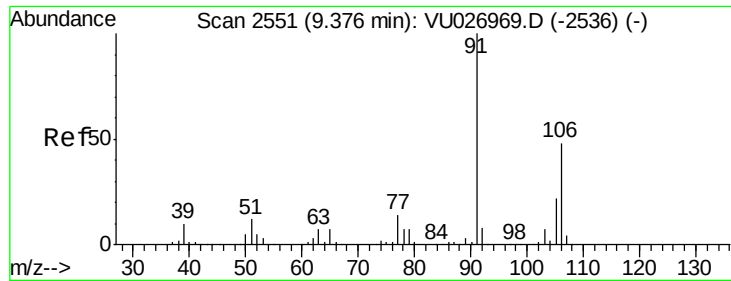
#67
Ethyl Benzene
Concen: 3.353 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Tgt Ion: 91 Resp: 23696
Ion Ratio Lower Upper
91 100
106 31.5 23.8 35.8



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

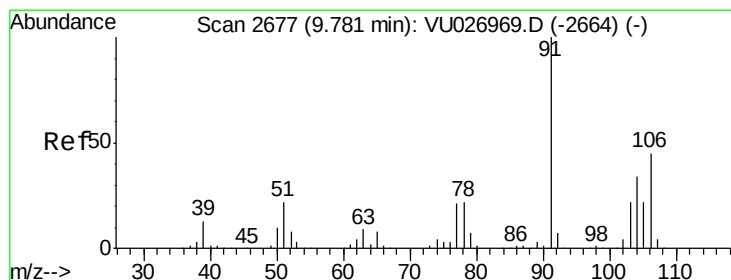
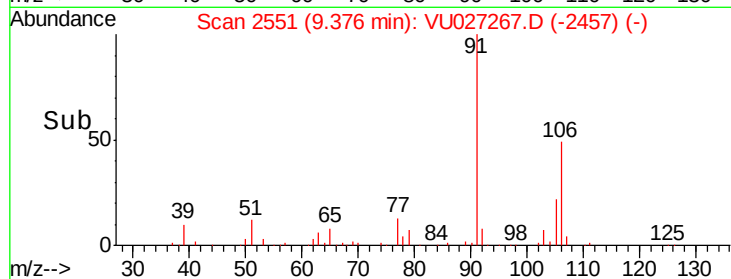
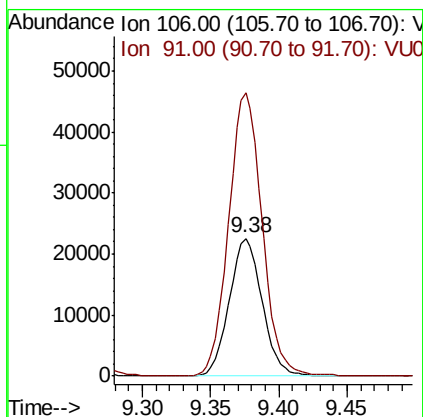
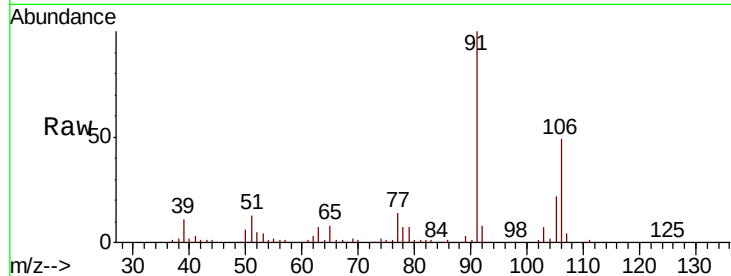




#68
m/p-Xylenes
Concen: 14.517 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

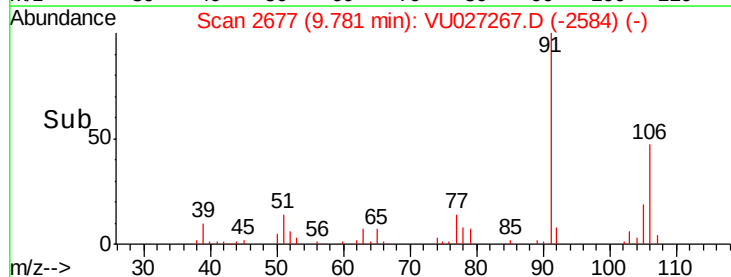
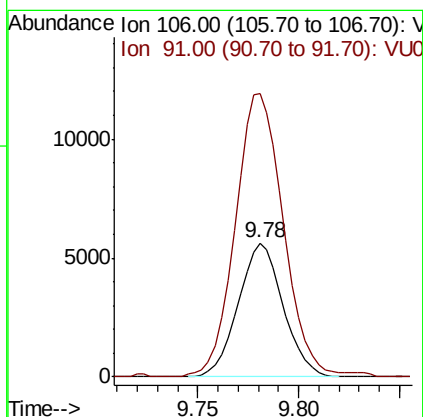
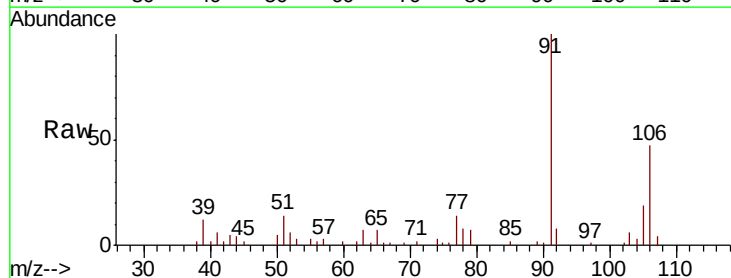
Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-2

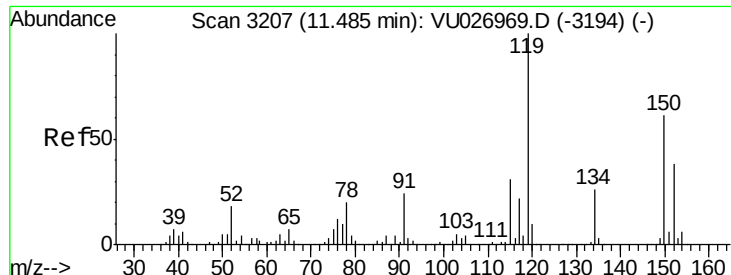
Tot Ion:106 Resp: 37819
Ion Ratio Lower Upper
106 100
91 209.5 166.5 249.7



#69
o-Xylene
Concen: 3.491 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Tgt Ion:106 Resp: 8740
Ion Ratio Lower Upper
106 100
91 228.1 110.2 330.6



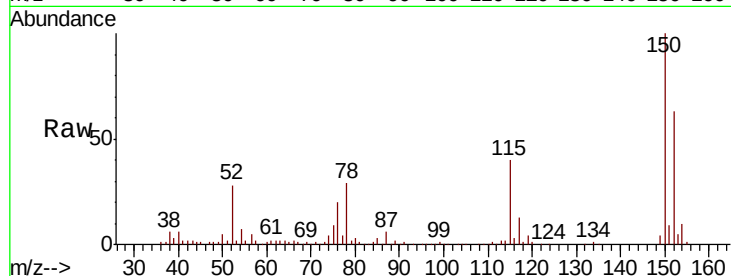


#72

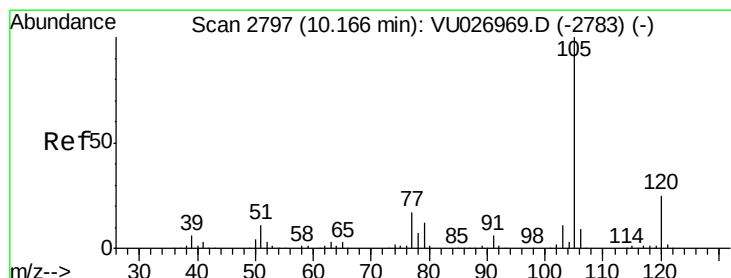
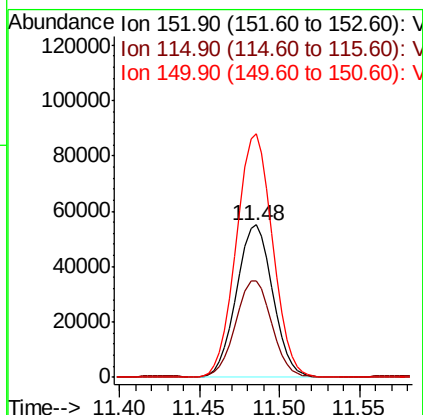
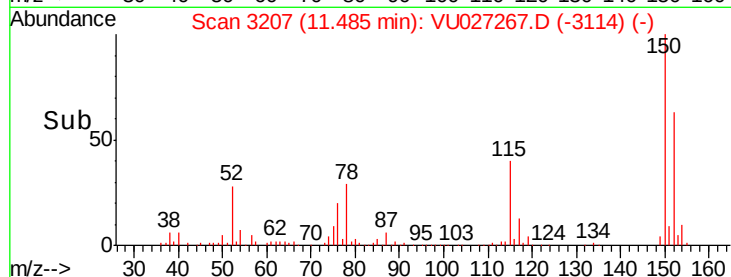
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-2

Tot Ion:152 Resp: 85255
Ion Ratio Lower Upper
152 100
115 63.2 44.9 134.5
150 159.5 0.0 355.8



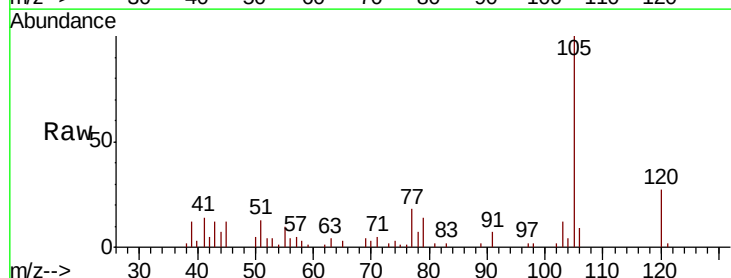
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



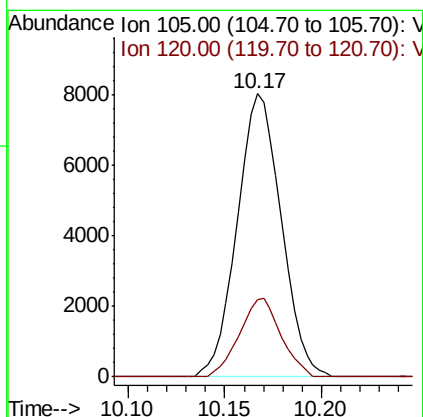
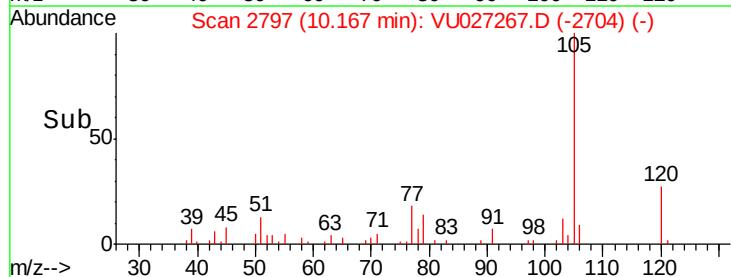
#73

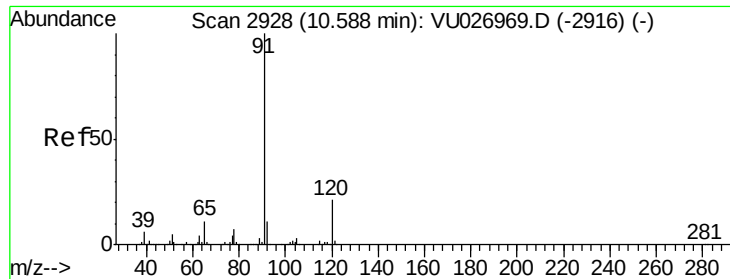
Isopropylbenzene
Concen: 1.963 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Tgt Ion:105 Resp: 12733
Ion Ratio Lower Upper
105 100
120 26.2 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: 2.479 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027267.D

Acq: 28 Sep 2018 13:32

Instrument :

MSVOA_U

ClientSampleId :

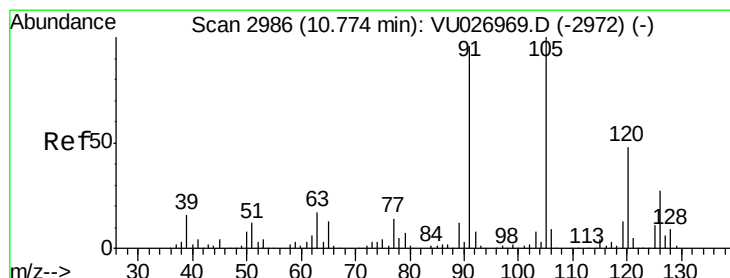
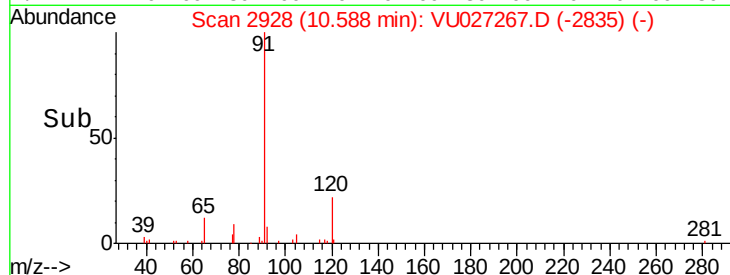
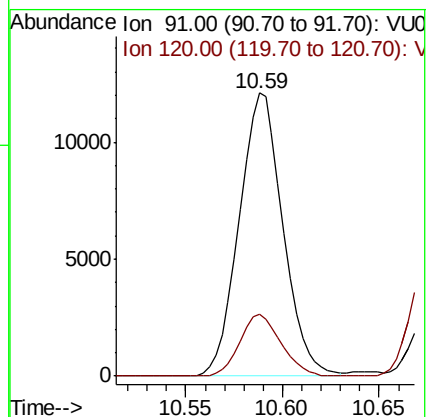
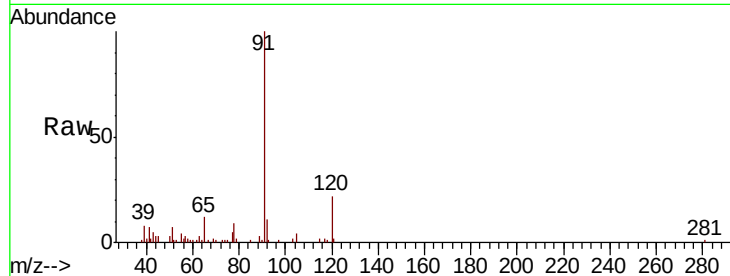
FA18-JEB5-2

Tot Ion: 91 Resp: 19023

Ion Ratio Lower Upper

91 100

120 20.5 10.6 31.8



#80

1,3,5-Trimethylbenzene

Concen: 7.989 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027267.D

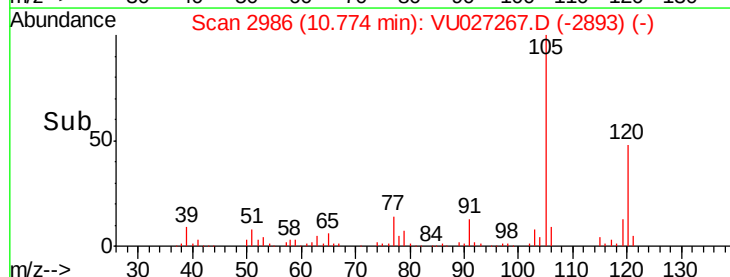
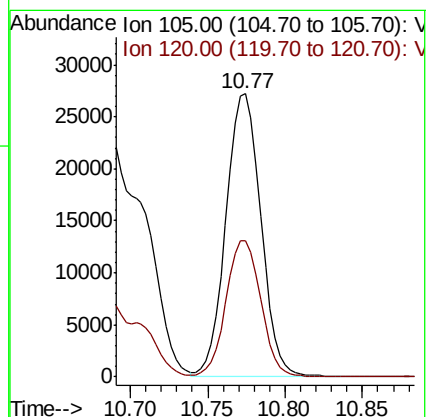
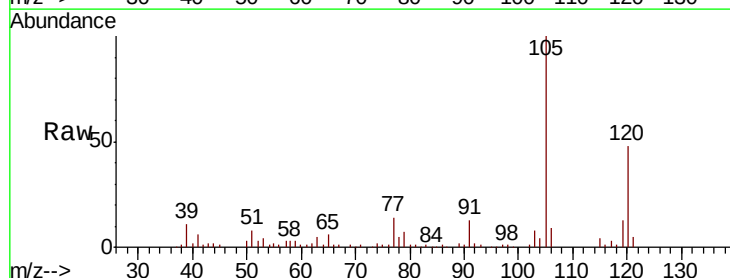
Acq: 28 Sep 2018 13:32

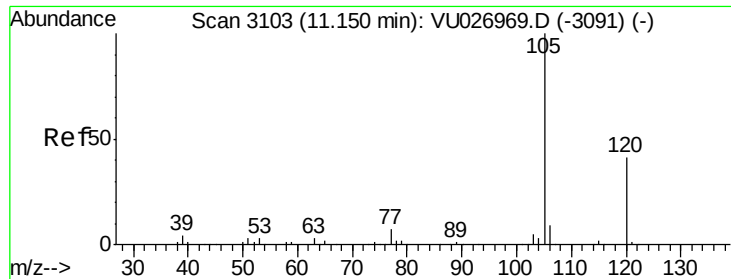
Tgt Ion: 105 Resp: 42770

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7

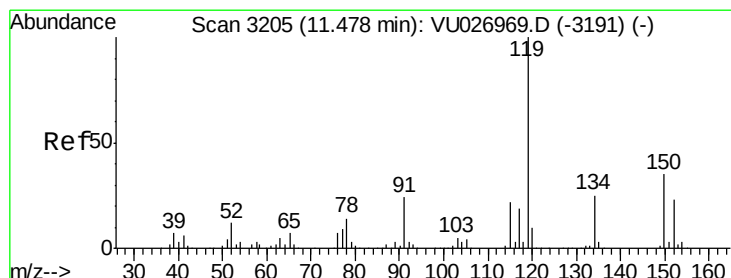
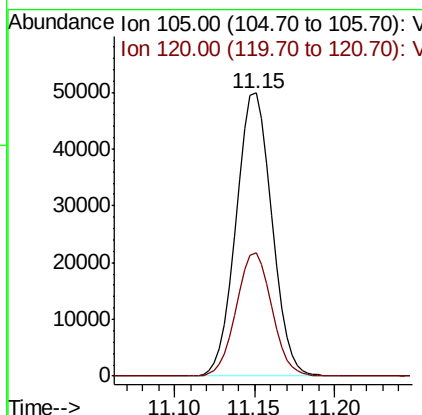
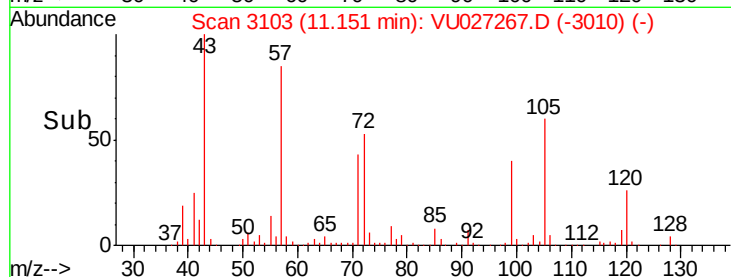
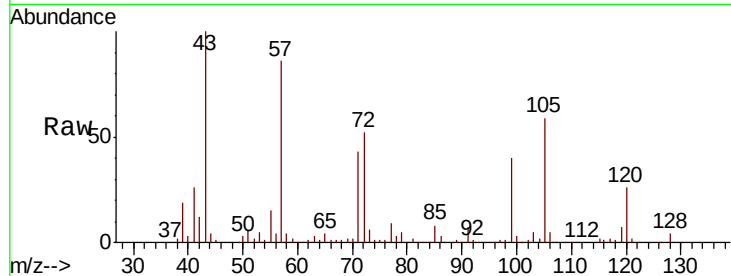




#84
 1,2,4-Trimethylbenzene
 Concen: 13.914 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027267.D
 Acq: 28 Sep 2018 13:32

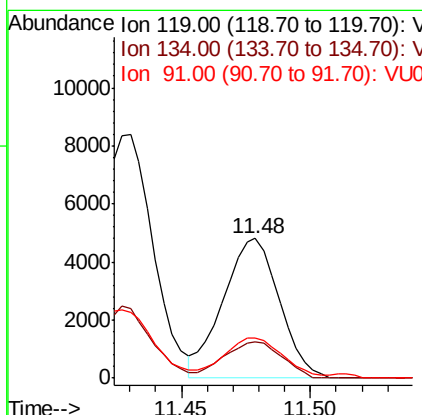
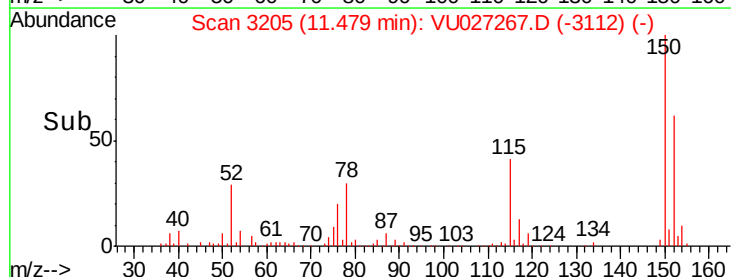
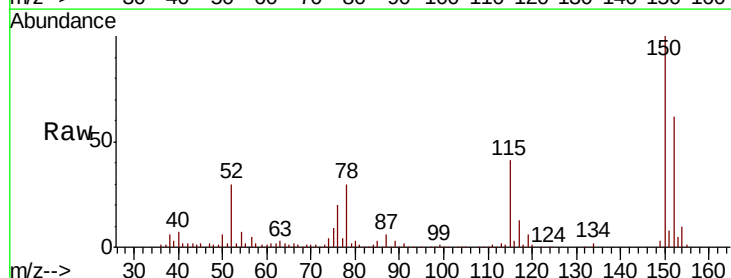
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-2

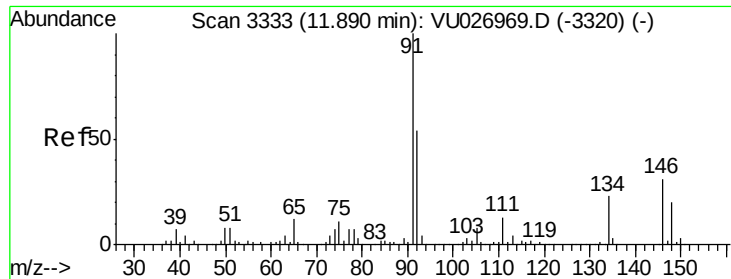
Tot Ion:105 Resp: 75806
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.4 67.2



#86
 p-Isopropyltoluene
 Concen: 2.109 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027267.D
 Acq: 28 Sep 2018 13:32

Tgt Ion:119 Resp: 7301
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.8 38.3
 91 26.3 12.3 36.8

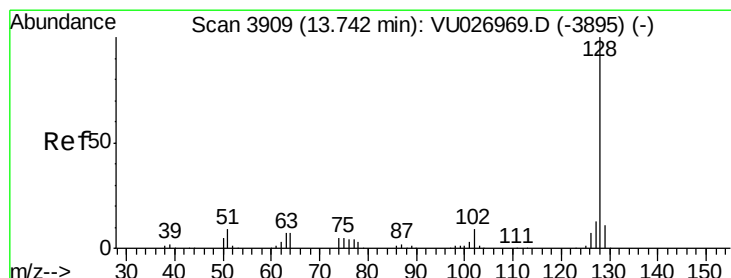
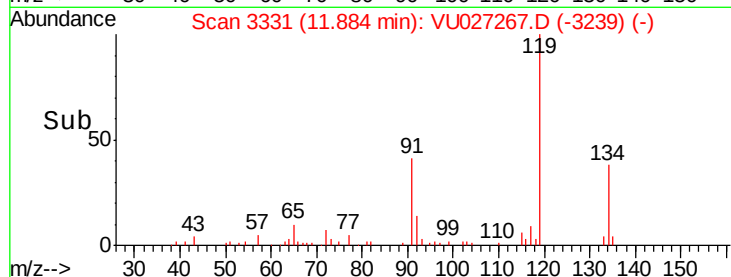
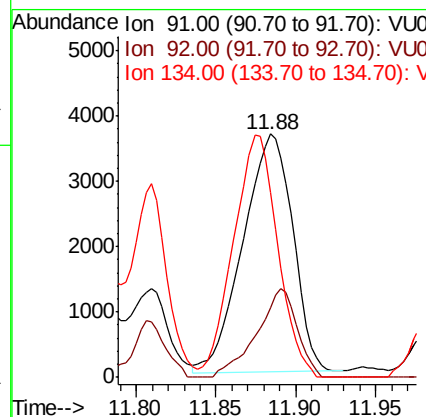
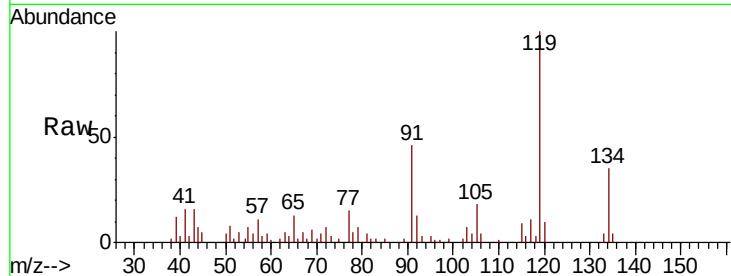




#89
n-Butylbenzene
Concen: 3.652 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Instrument :
MSVOA_U
ClientSampled :
FA18-JEB5-2

Tot Ion: 91 Resp: 7777
Ion Ratio Lower Upper
91 100
92 30.5 27.1 81.2
134 90.1 11.7 35.0#



#95
Naphthalene
Concen: 2.731 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027267.D
Acq: 28 Sep 2018 13:32

Tgt Ion: 128 Resp: 7613
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 10.9 8.6 12.8

