

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027278.D
 Acq On : 28 Sep 2018 17:48
 Operator : MD/SY
 Sample : J5104-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

Quant Time: Oct 02 07:14:32 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	130241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	215926	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	203596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103926	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	116735	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	4.88	113	85857	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	7.57	98	341565	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	10.31	95	117456	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

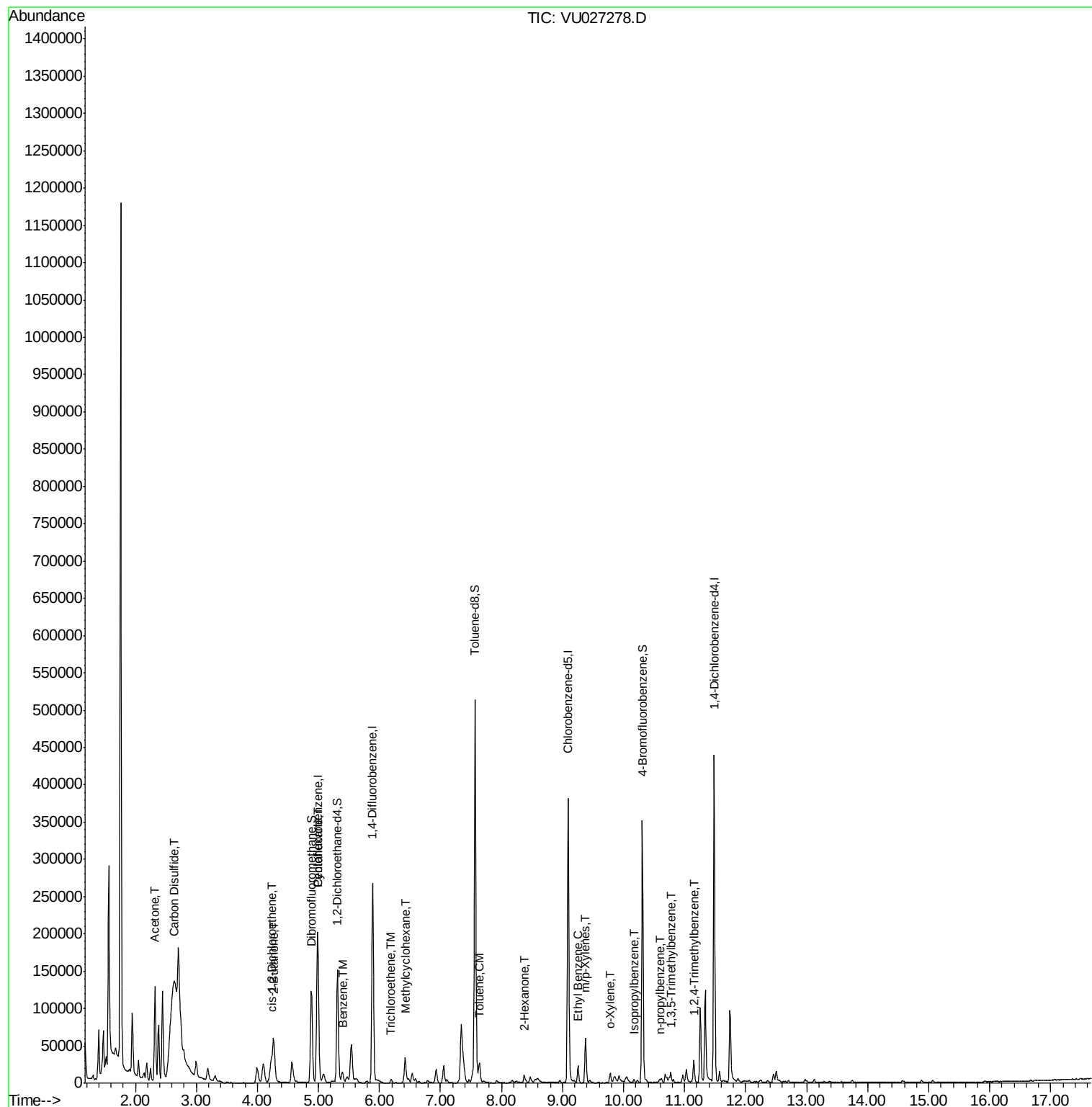
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	133722	85.092	ug/l	98
17) Carbon Disulfide	2.64	76	914797	156.110	ug/l	100
25) 2-Butanone	4.27	43	99334	45.092	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	15610	7.197	ug/l	88
31) Cyclohexane	5.00	56	20114	4.626	ug/l #	86
39) Methylcyclohexane	6.42	83	7525	2.403	ug/l	97
40) Benzene	5.39	78	12933	1.476	ug/l	99
44) Trichloroethene	6.19	130	1864	0.999	ug/l	95
52) Toluene	7.64	92	8464	1.686	ug/l	95
59) 2-Hexanone	8.37	43	6008	2.006	ug/l	99
67) Ethyl Benzene	9.25	91	15225	1.715	ug/l	97
68) m/p-Xylenes	9.38	106	17122	6.192	ug/l	98
69) o-Xylene	9.78	106	3107	0.988	ug/l	98
73) Isopropylbenzene	10.17	105	3626	0.459	ug/l	94
78) n-propylbenzene	10.59	91	4019	0.430	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	7209	1.105	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	14336	2.159	ug/l	91

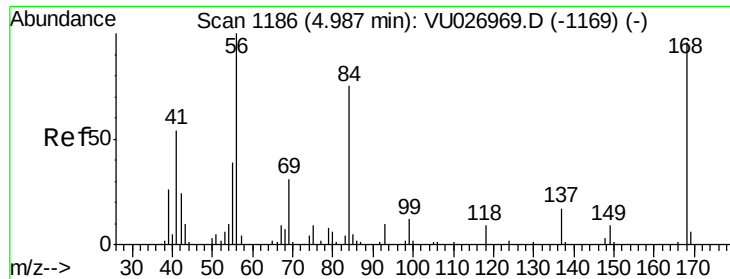
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

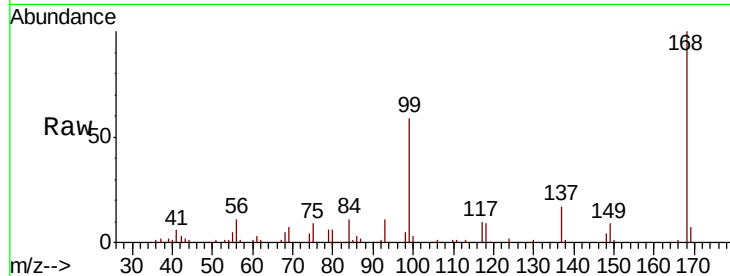
FA18-JEB5-3

Tot Ion:168 Resp: 130241

Ion Ratio Lower Upper

168 100

99 59.3 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

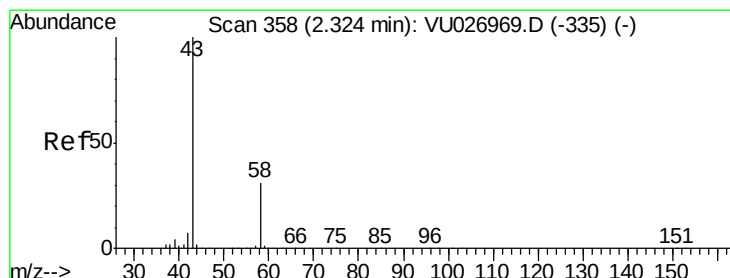
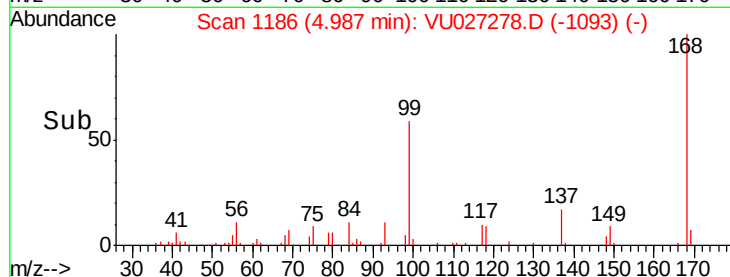
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#16

Acetone

Concen: 85.092 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027278.D

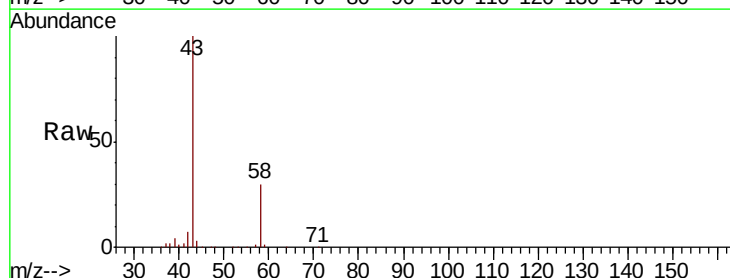
Acq: 28 Sep 2018 17:48

Tgt Ion: 43 Resp: 133722

Ion Ratio Lower Upper

43 100

58 29.9 24.6 36.8



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

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

2.32

80000

60000

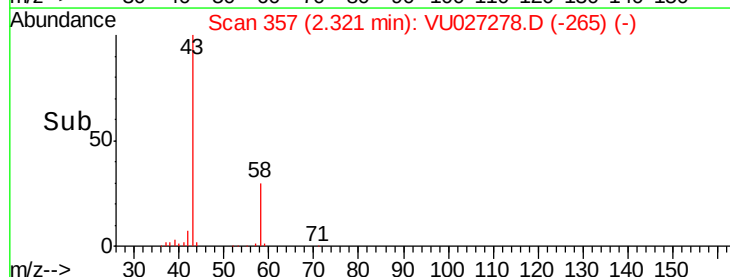
40000

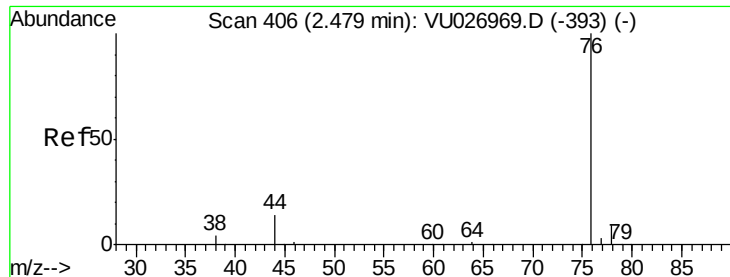
20000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#17

Carbon Disulfide

Concen: 156.110 ug/l

RT: 2.64 min Scan# 455

Delta R.T. 0.16 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

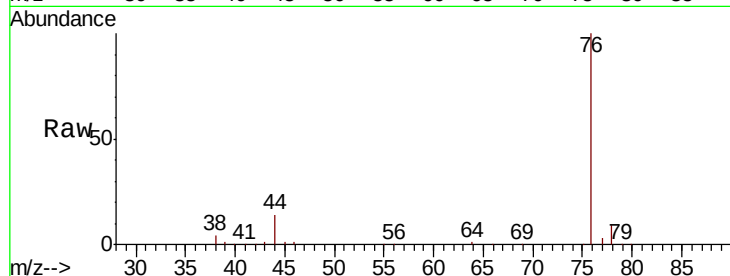
FA18-JEB5-3

Tot Ion: 76 Resp: 914797

Ion Ratio Lower Upper

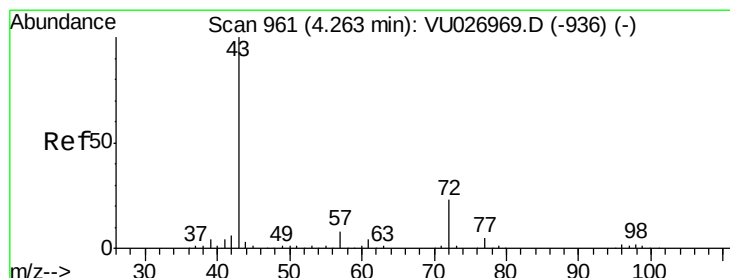
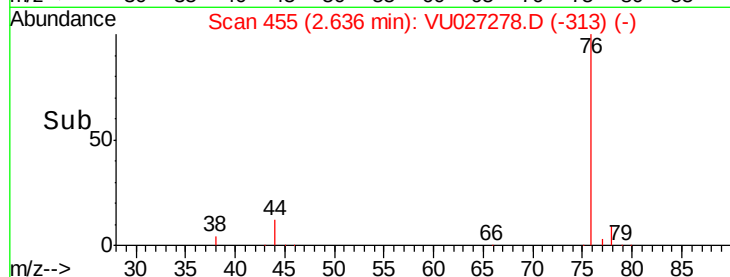
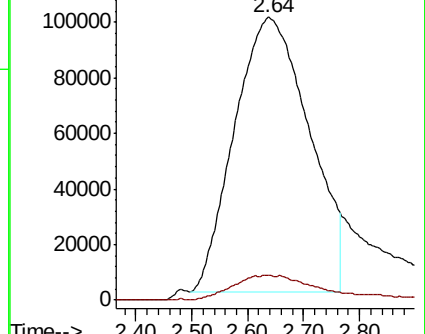
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU027278.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027278.D (-313) (-)



#25

2-Butanone

Concen: 45.092 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027278.D

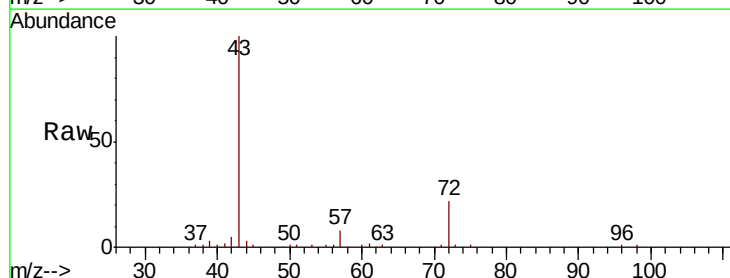
Acq: 28 Sep 2018 17:48

Tgt Ion: 43 Resp: 99334

Ion Ratio Lower Upper

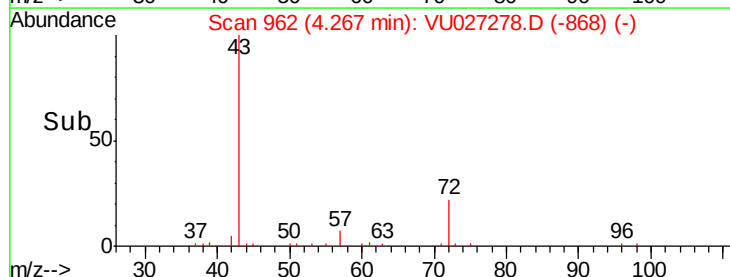
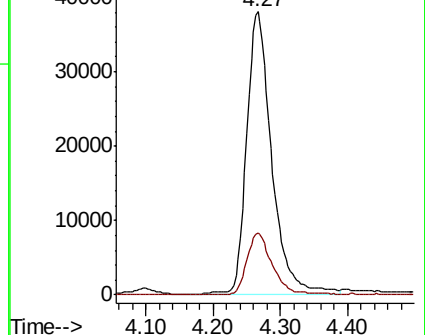
43 100

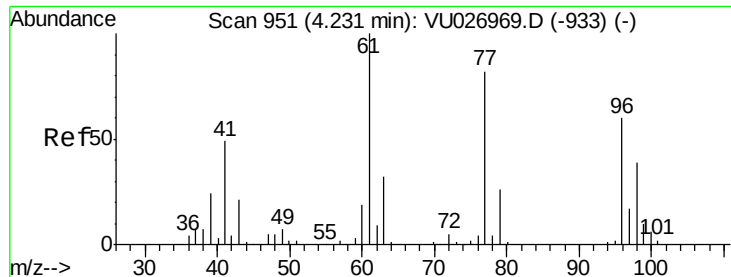
72 22.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU027278.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU027278.D (-868) (-)



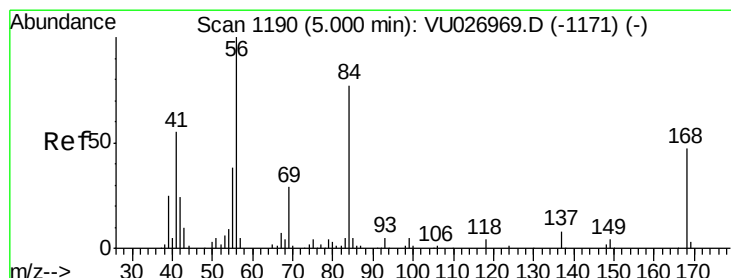
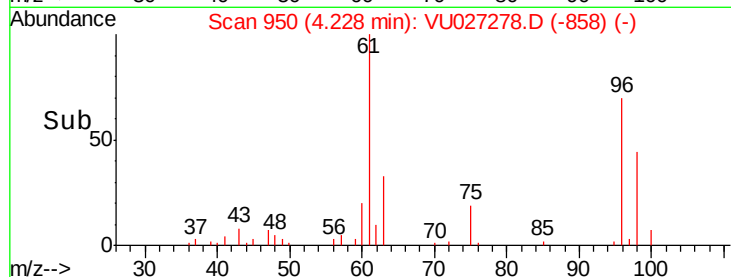
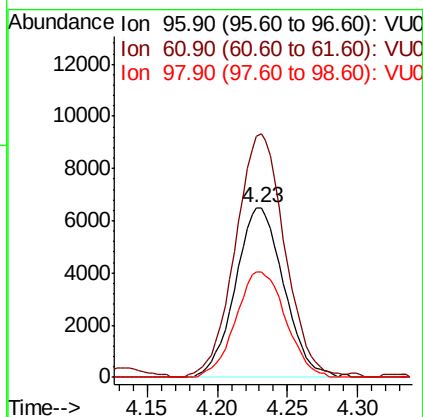
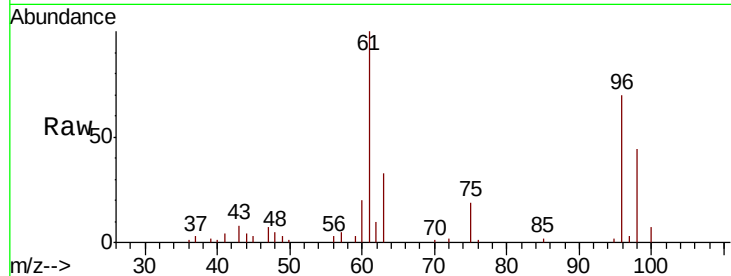


#27

cis-1,2-Dichloroethene
 Concen: 7.197 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

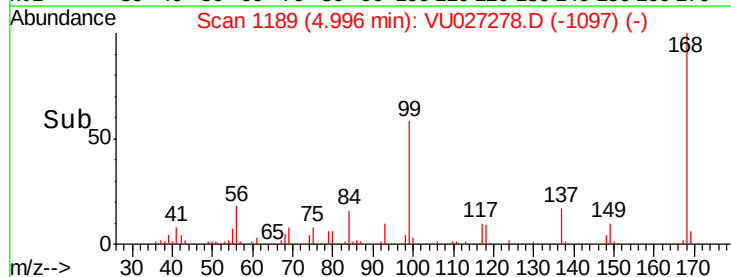
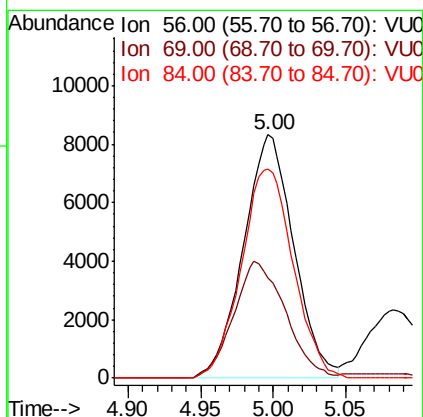
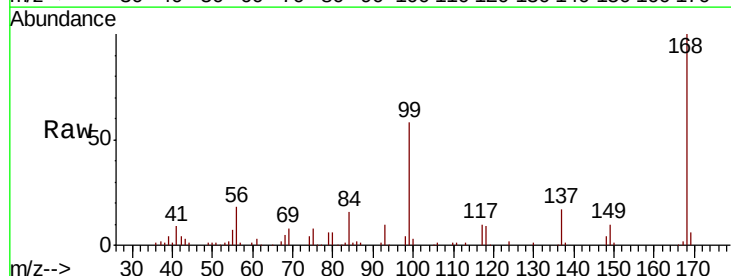
Tot Ion: 96 Resp: 15610
 Ion Ratio Lower Upper
 96 100
 61 146.1 0.0 337.2
 98 63.9 0.0 127.6

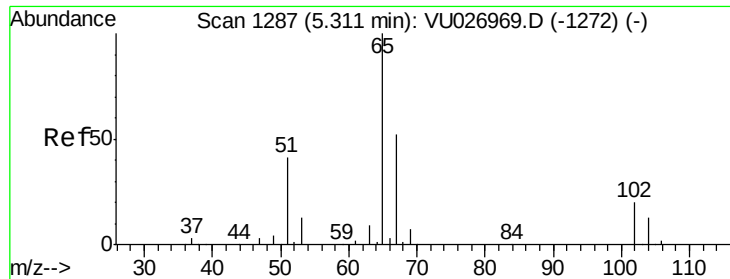


#31

Cyclohexane
 Concen: 4.626 ug/l
 RT: 5.00 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion: 56 Resp: 20114
 Ion Ratio Lower Upper
 56 100
 69 41.0 23.0 34.4#
 84 85.9 61.4 92.2

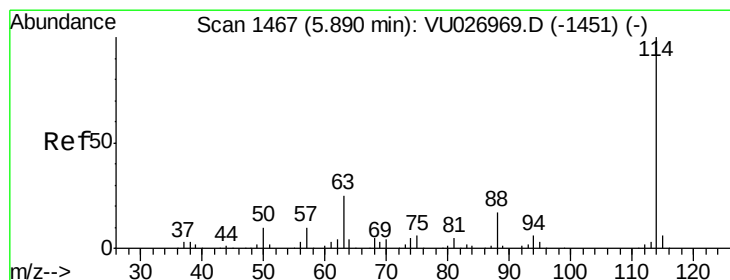
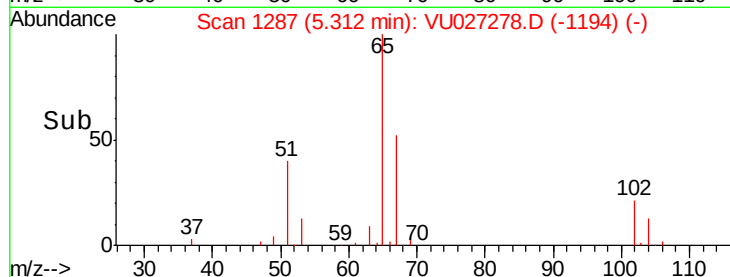
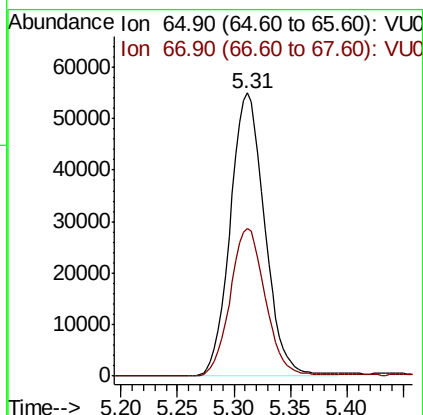
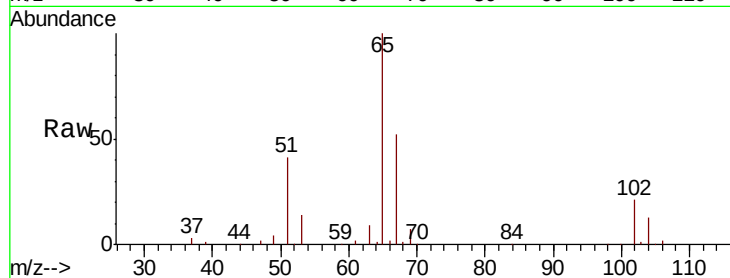




#33
 1,2-Dichloroethane-d4
 Concen: 44.533 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

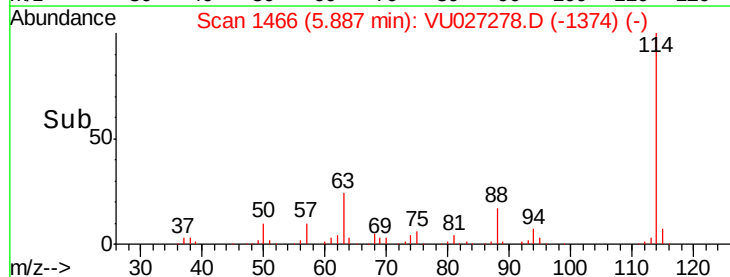
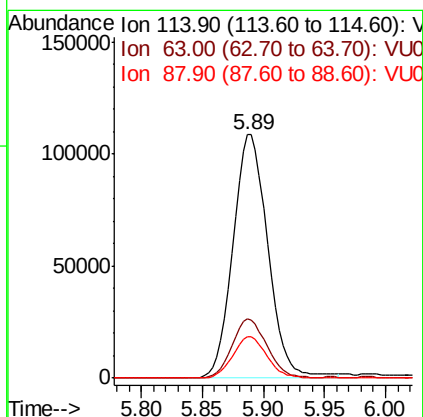
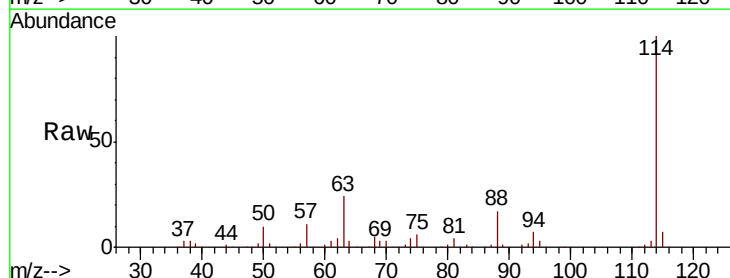
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

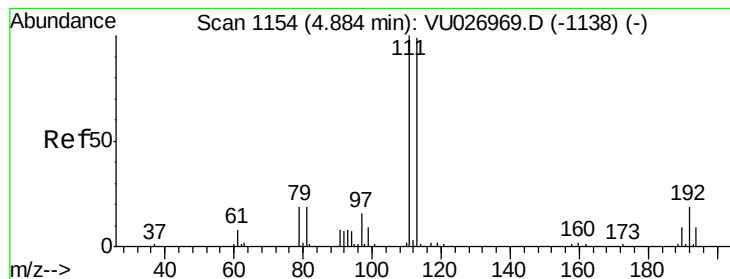
Tot Ion: 65 Resp: 116735
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion: 114 Resp: 215926
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.872 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

FA18-JEB5-3

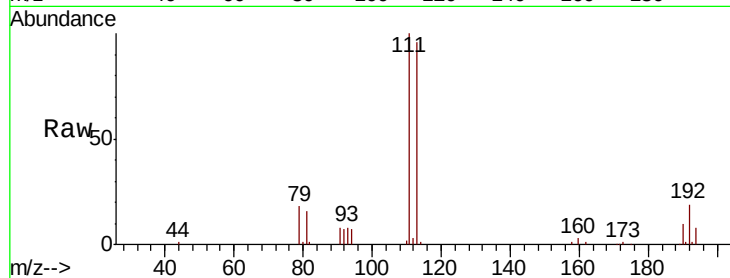
Tot Ion:113 Resp: 85857

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

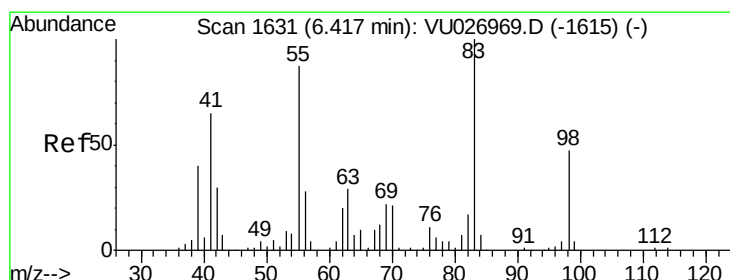
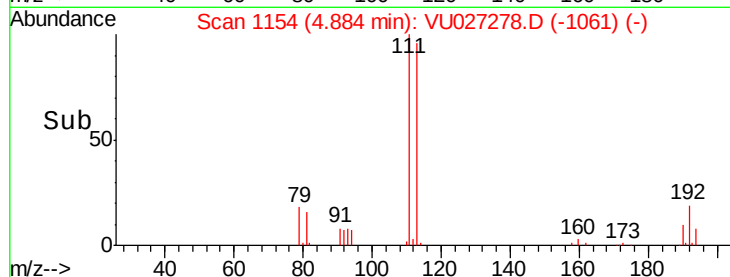
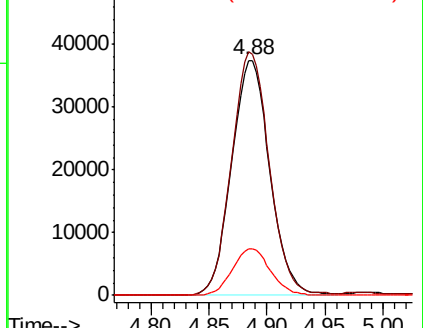
192 19.6 15.2 22.8



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: 2.403 ug/l

RT: 6.42 min Scan# 1632

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

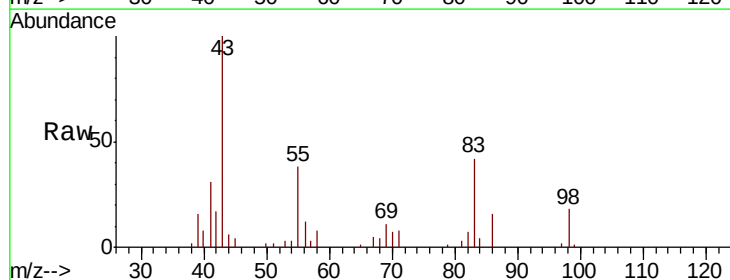
Tgt Ion: 83 Resp: 7525

Ion Ratio Lower Upper

83 100

55 85.7 69.9 104.9

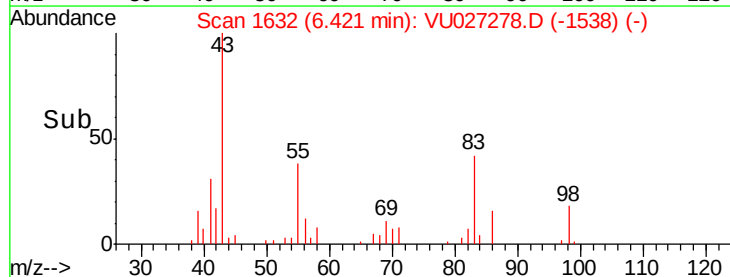
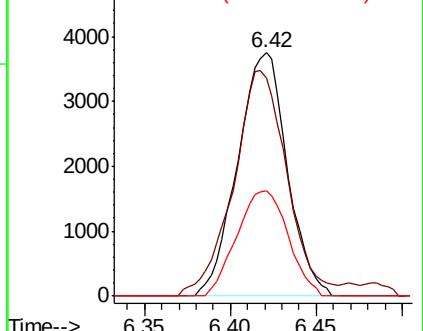
98 43.1 37.5 56.3

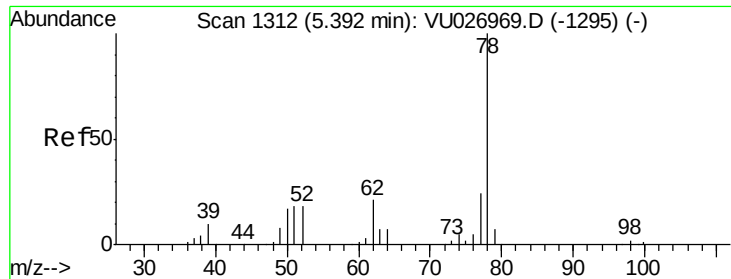


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 1.476 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

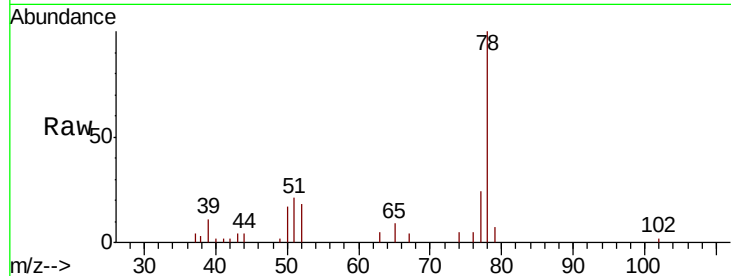
FA18-JEB5-3

Tot Ion: 78 Resp: 12933

Ion Ratio Lower Upper

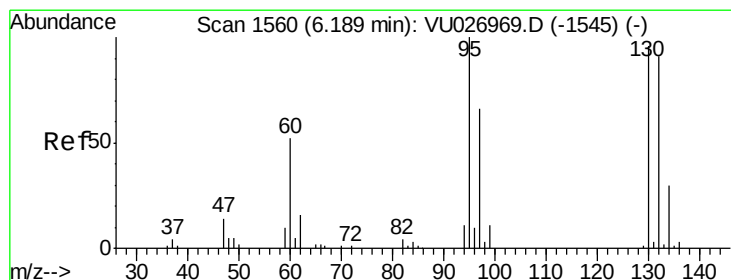
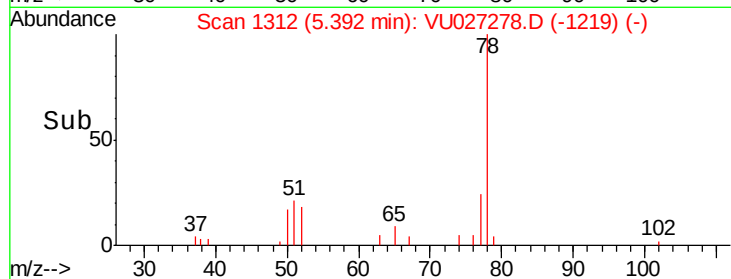
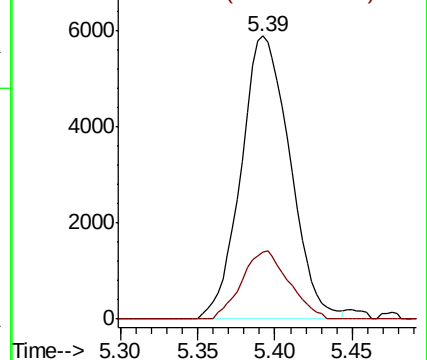
78 100

77 23.8 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

Trichloroethene

Concen: 0.999 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027278.D

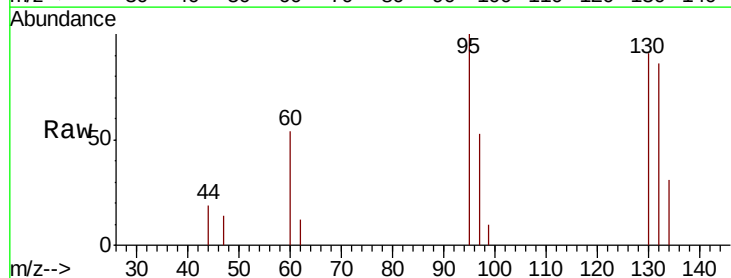
Acq: 28 Sep 2018 17:48

Tgt Ion:130 Resp: 1864

Ion Ratio Lower Upper

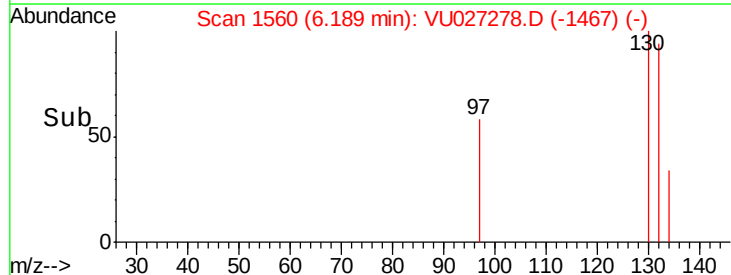
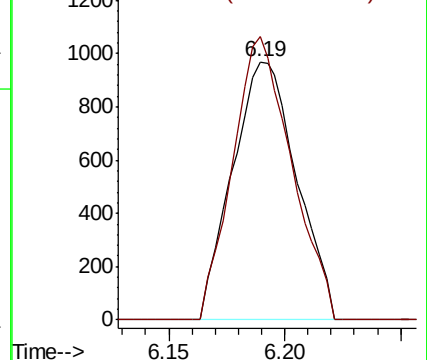
130 100

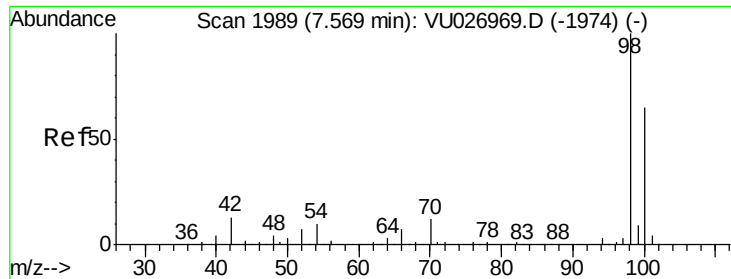
95 109.7 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

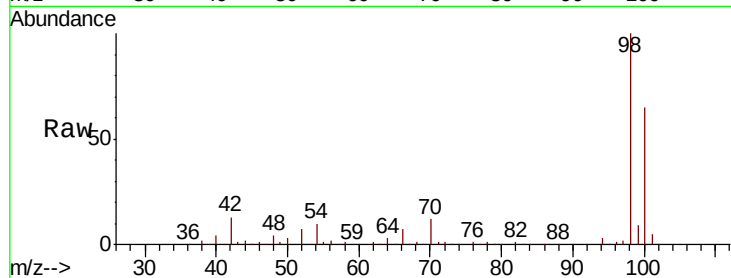




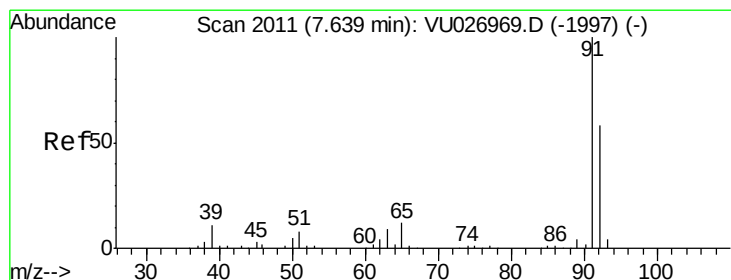
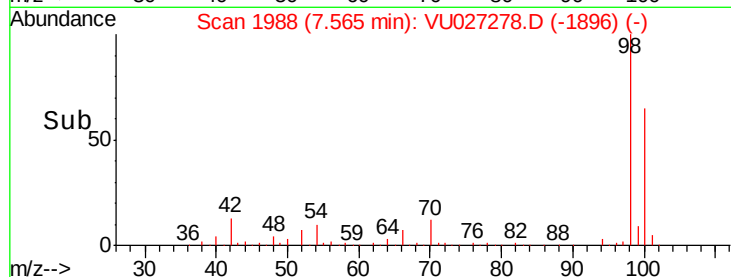
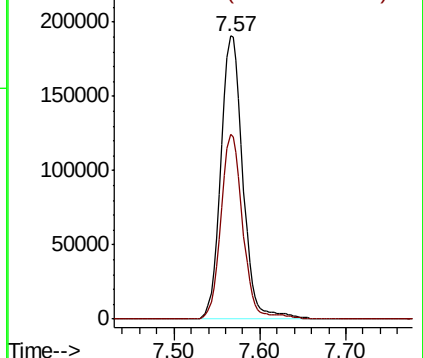
#50
Toluene-d8
Concen: 47.886 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tot Ion: 98 Resp: 341565
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

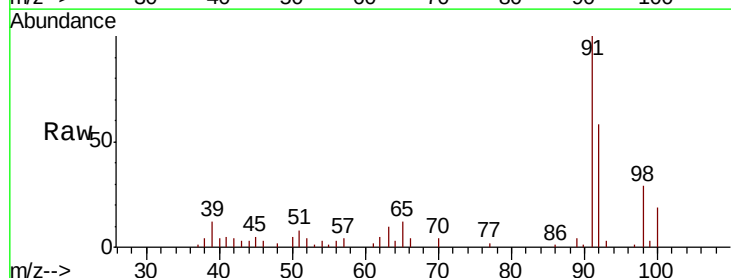


Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)
Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

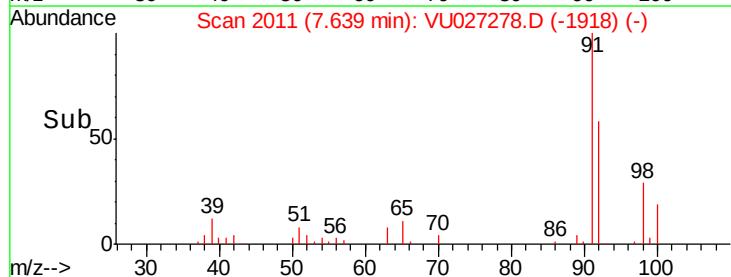
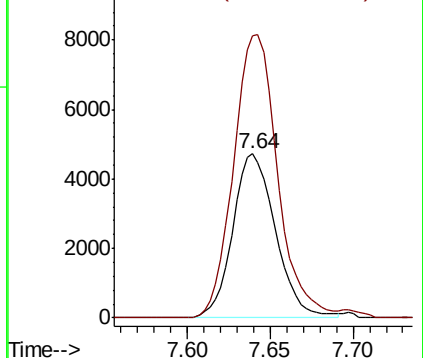


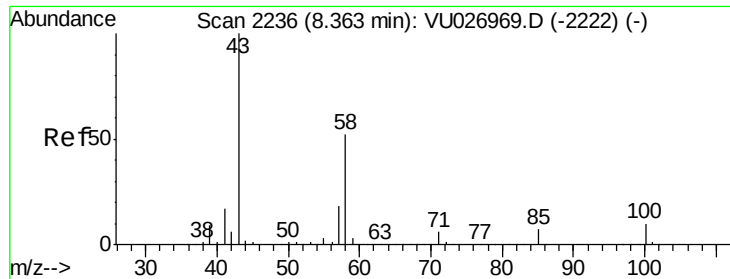
#52
Toluene
Concen: 1.686 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 92 Resp: 8464
Ion Ratio Lower Upper
92 100
91 177.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)
Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

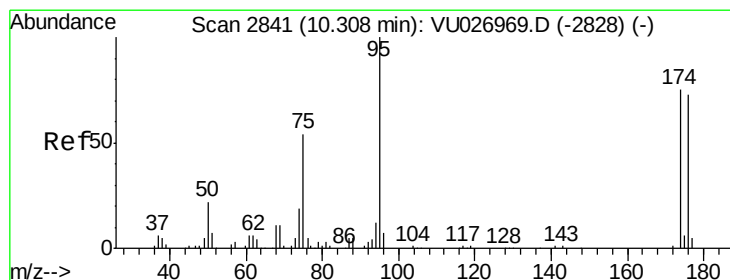
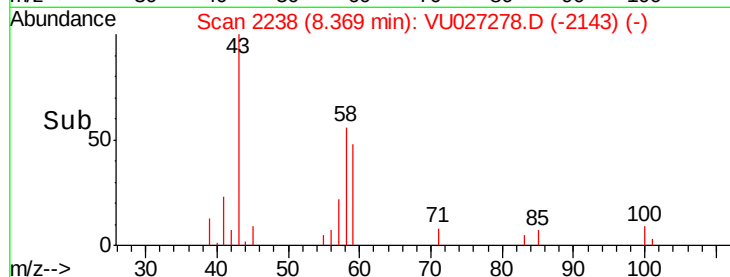
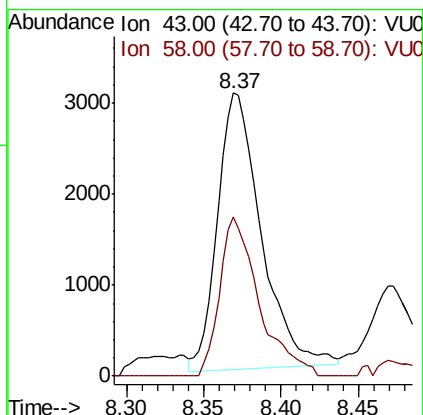
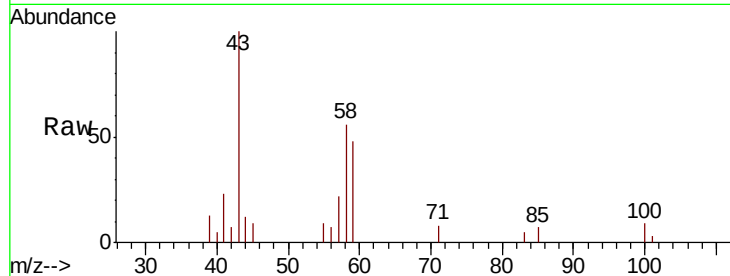




#59
2-Hexanone
Concen: 2.006 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

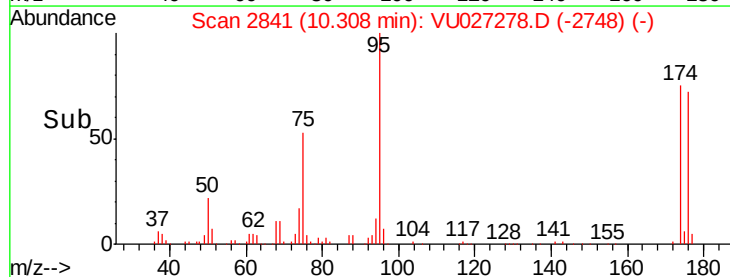
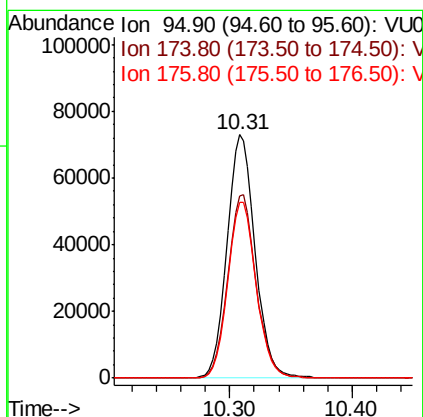
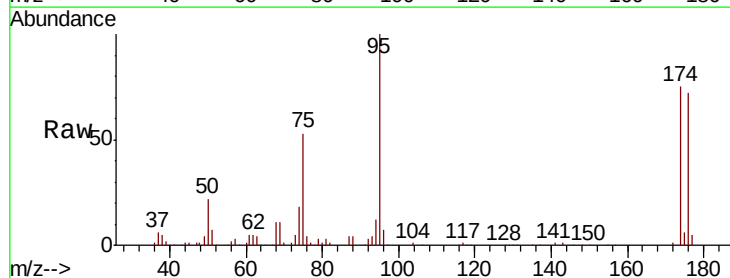
Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

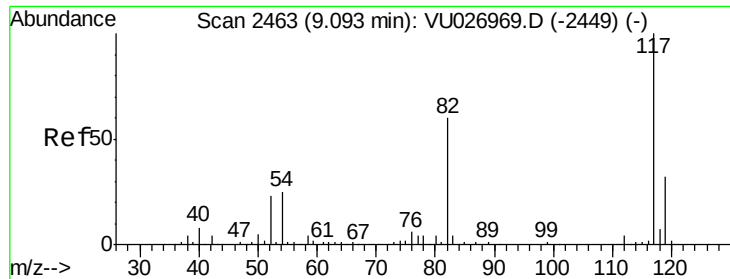
Tot Ion: 43 Resp: 6008
Ion Ratio Lower Upper
43 100
58 51.3 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 47.990 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 95 Resp: 117456
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.2
176 73.2 0.0 145.2

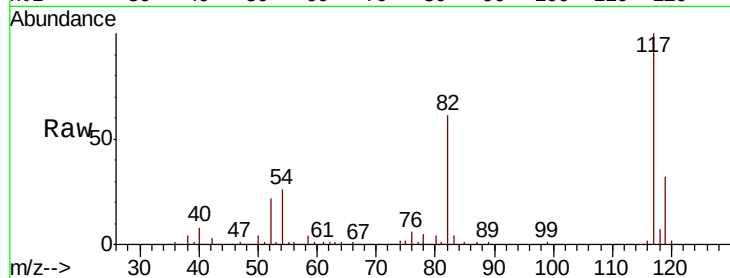




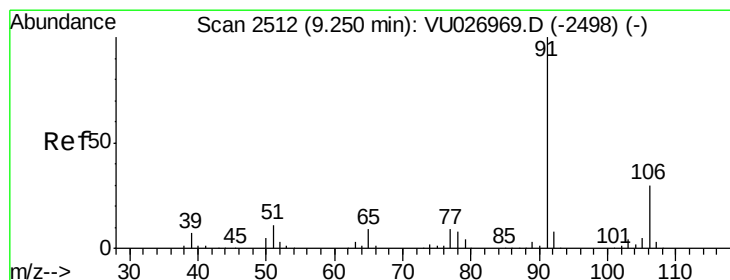
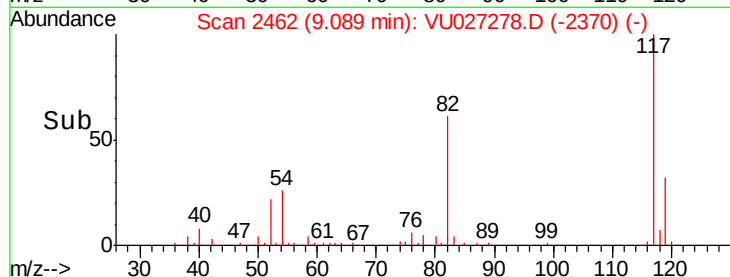
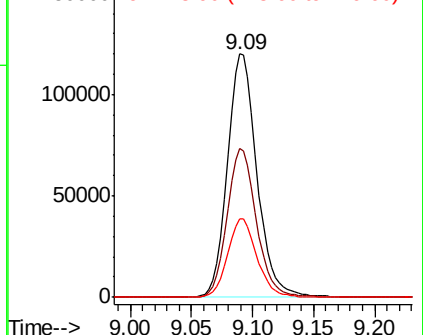
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tot Ion:117 Resp: 203596
Ion Ratio Lower Upper
117 100
82 60.9 48.0 72.0
119 32.2 25.8 38.8

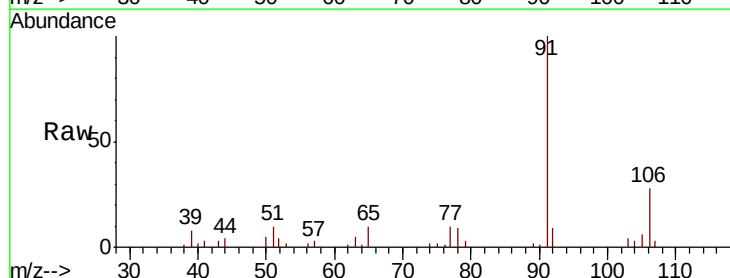


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

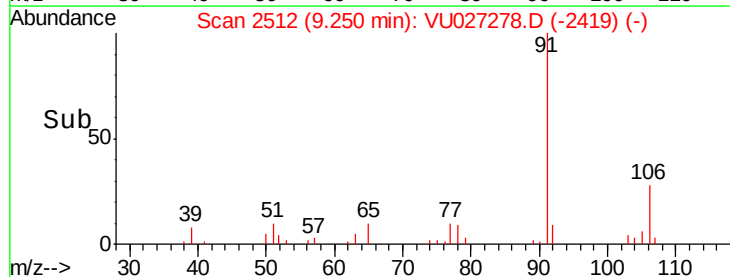
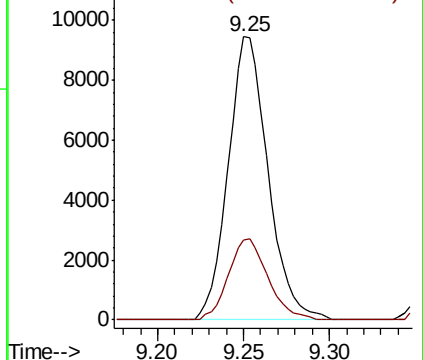


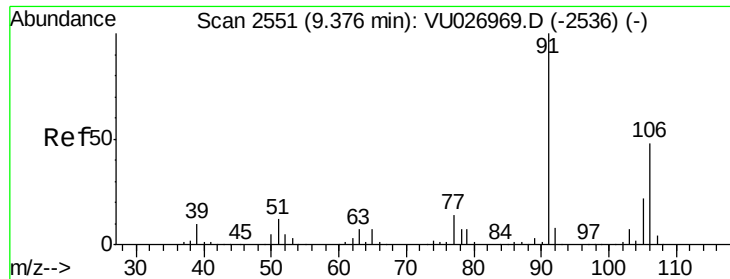
#67
Ethyl Benzene
Concen: 1.715 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 91 Resp: 15225
Ion Ratio Lower Upper
91 100
106 28.4 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: 6.192 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

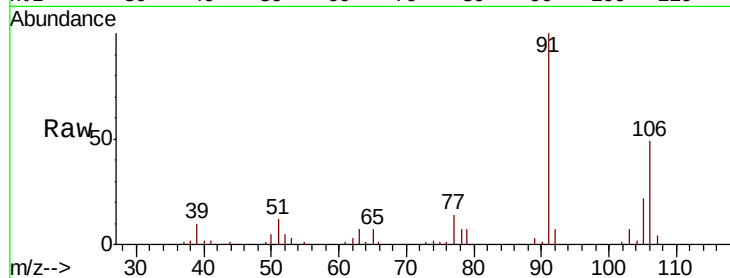
FA18-JEB5-3

Tot Ion:106 Resp: 17122

Ion Ratio Lower Upper

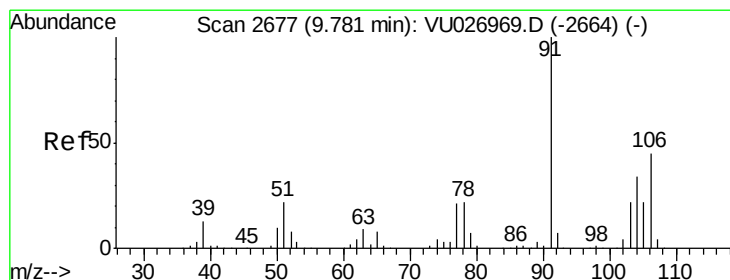
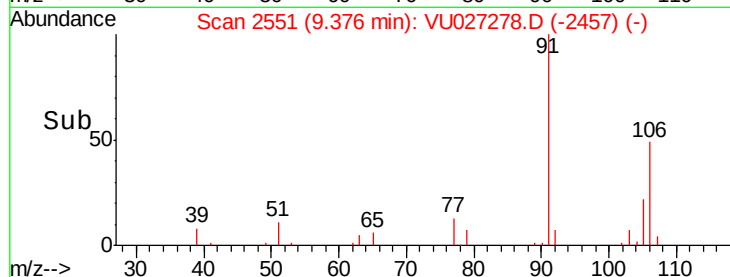
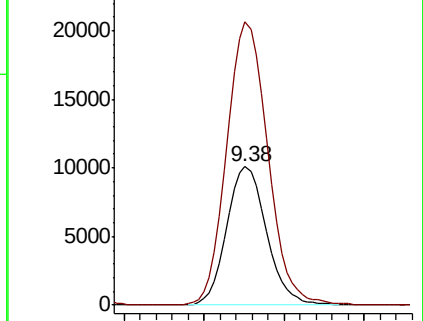
106 100

91 211.3 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 0.988 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027278.D

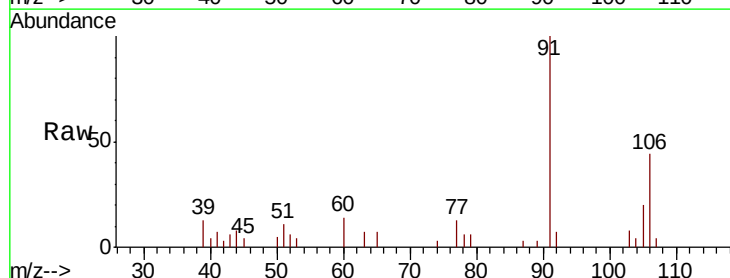
Acq: 28 Sep 2018 17:48

Tgt Ion:106 Resp: 3107

Ion Ratio Lower Upper

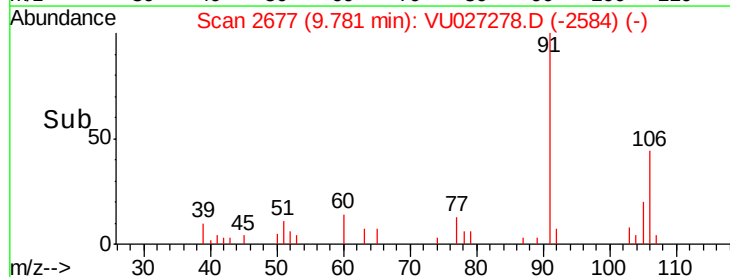
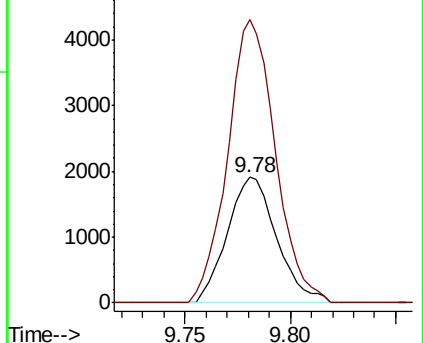
106 100

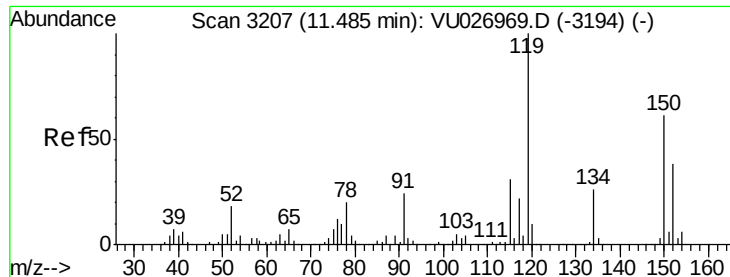
91 217.3 110.2 330.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



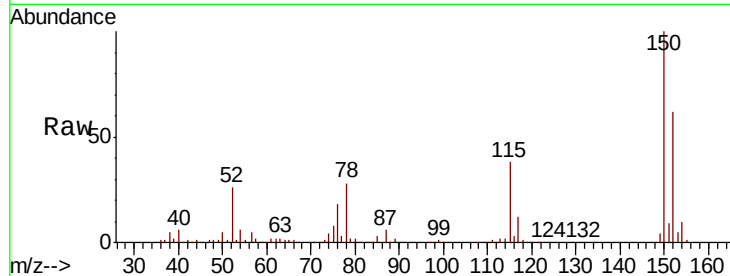


#72

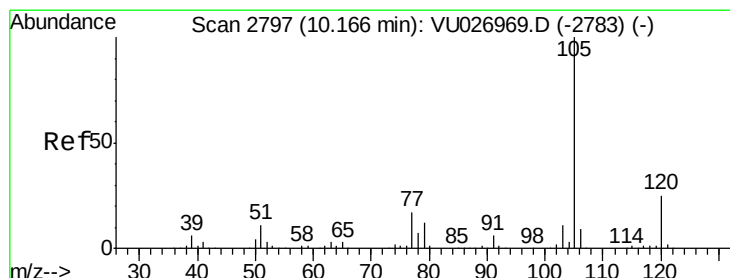
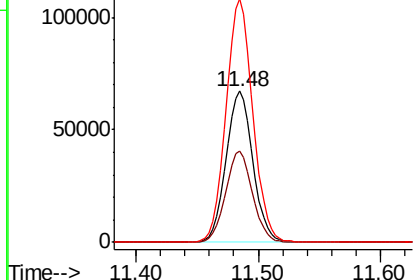
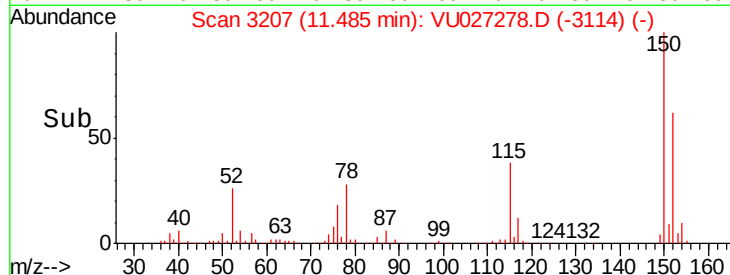
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tot Ion:152 Resp: 103926
Ion Ratio Lower Upper
152 100
115 60.5 44.9 134.5
150 160.2 0.0 355.8



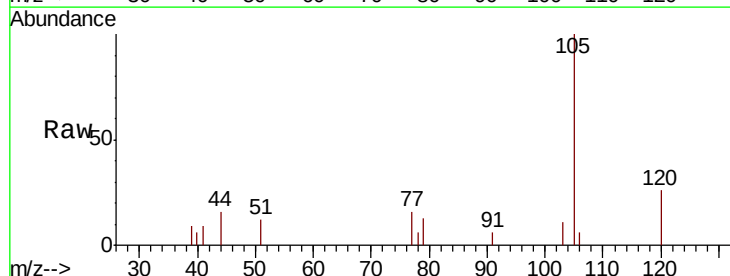
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



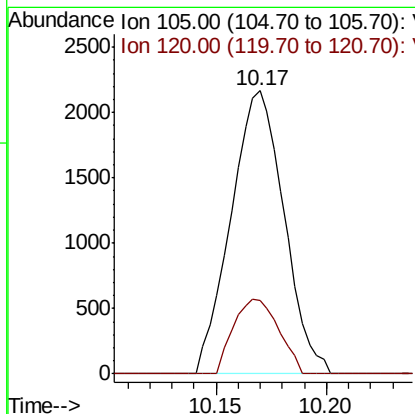
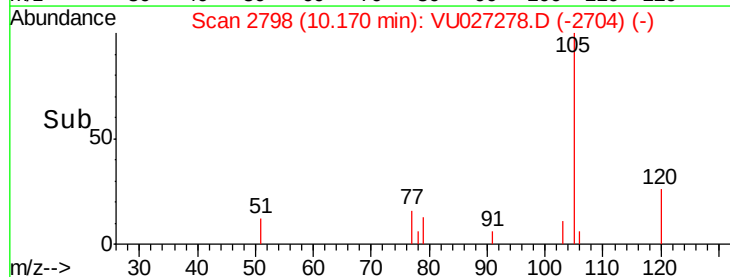
#73

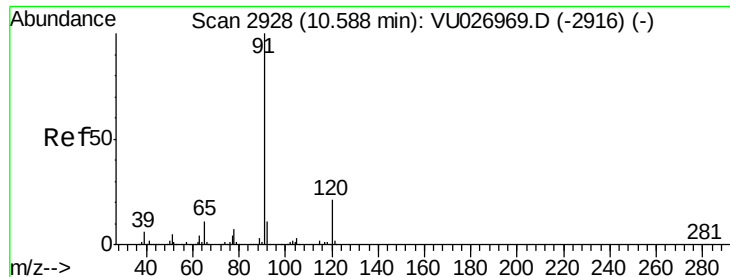
Isopropylbenzene
Concen: 0.459 ug/l
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion:105 Resp: 3626
Ion Ratio Lower Upper
105 100
120 22.5 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: 0.430 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

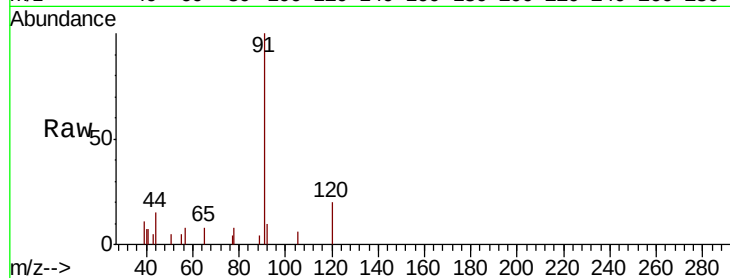
FA18-JEB5-3

Tot Ion: 91 Resp: 4019

Ion Ratio Lower Upper

91 100

120 19.7 10.6 31.8



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

Ion 120.00 (119.70 to 120.70): VU026969.D (-2916) (-)

10.59

2500

2000

1500

1000

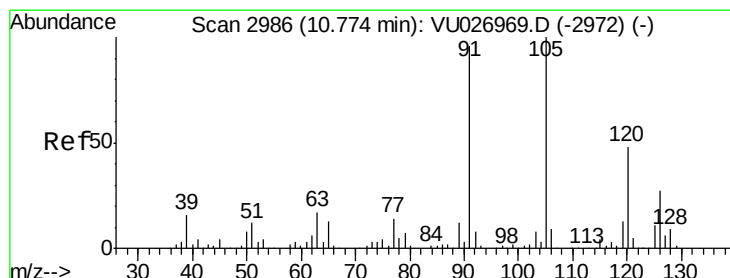
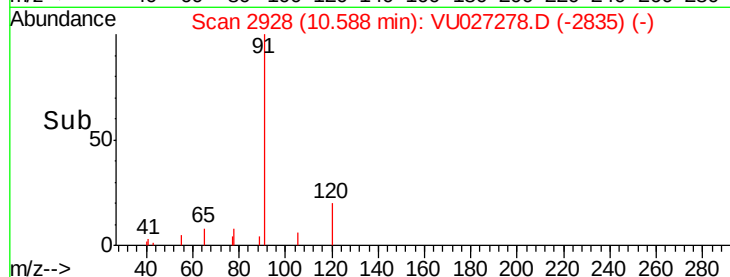
500

0

10.55

10.60

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.105 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027278.D

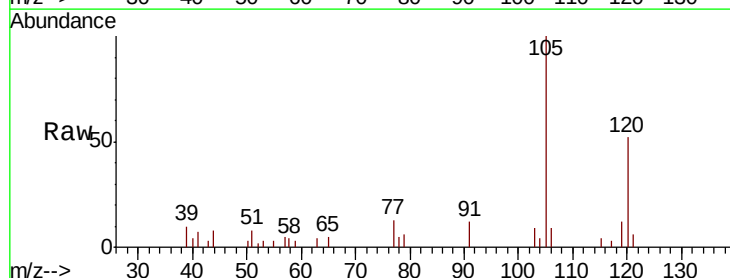
Acq: 28 Sep 2018 17:48

Tgt Ion: 105 Resp: 7209

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7



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

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)

10.77

5000

4000

3000

2000

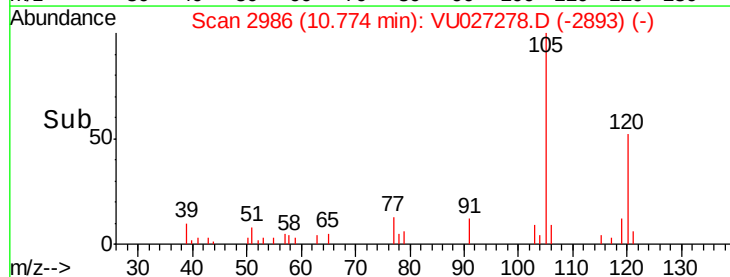
1000

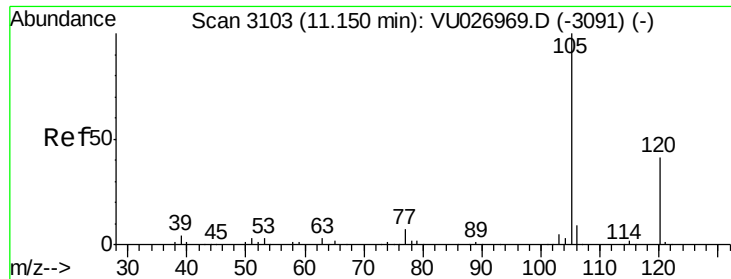
0

10.75

10.80

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 2.159 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

FA18-JEB5-3

Tot Ion:105 Resp: 14336

Ion Ratio Lower Upper

105 100

120 38.6 22.4 67.2

