

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028760.D
 Acq On : 18 Dec 2018 08:00
 Operator : MD/SY
 Sample : J6390-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 30080

Quant Time: Dec 18 09:13:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	149443	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61088	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	68185	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.54%		
35) Dibromofluoromethane	4.88	113	50333	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.04%		
50) Toluene-d8	7.57	98	193698	52.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.14%		
62) 4-Bromofluorobenzene	10.30	95	68795	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.94%		

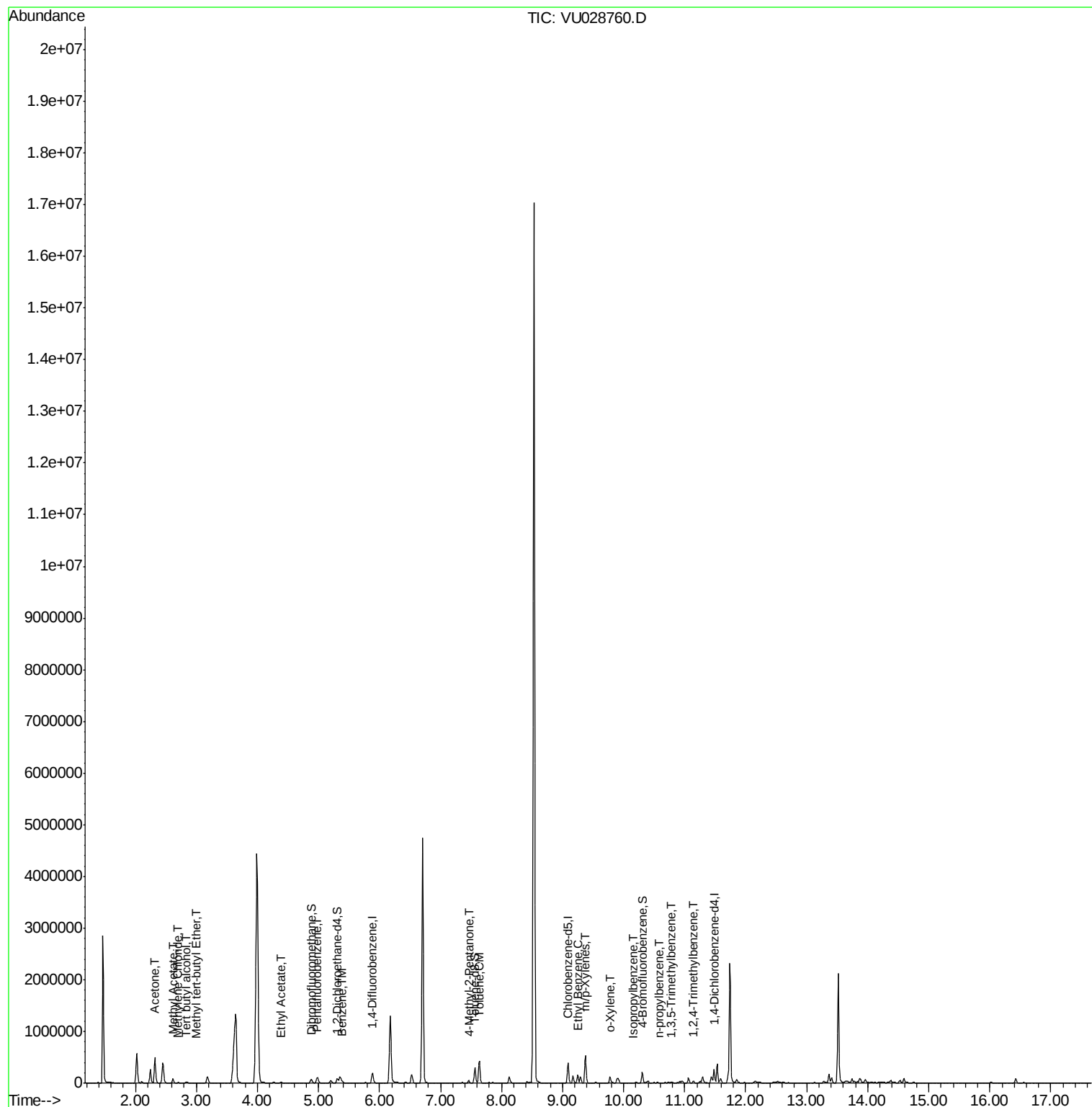
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	32021	112.281	ug/l	98
16) Acetone	2.32	43	509763	610.290	ug/l	98
18) Methyl Acetate	2.61	43	97068	44.830	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	1922	0.543	ug/l	95
20) Methylene Chloride	2.70	84	4779	3.881	ug/l	91
37) Ethyl Acetate	4.39	43	16008	7.572	ug/l	99
40) Benzene	5.39	78	24164	5.017	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	37744	17.897	ug/l	100
52) Toluene	7.64	92	158212	55.815	ug/l	100
67) Ethyl Benzene	9.25	91	107048	20.015	ug/l	99
68) m/p-Xylenes	9.37	106	65552	33.684	ug/l	100
69) o-Xylene	9.78	106	30458	16.105	ug/l	95
73) Isopropylbenzene	10.17	105	1048	0.224	ug/l	89
78) n-propylbenzene	10.59	91	2387	0.410	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	2441	0.629	ug/l	97
84) 1,2,4-Trimethylbenzene	11.14	105	16535	4.135	ug/l	75

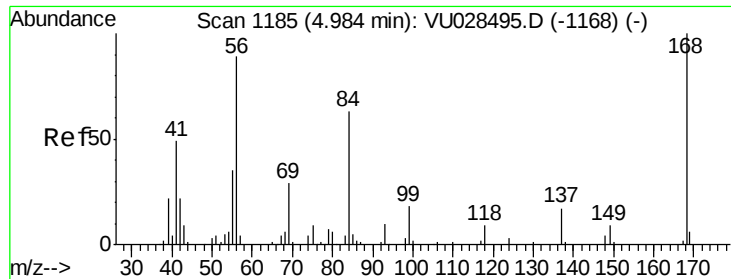
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

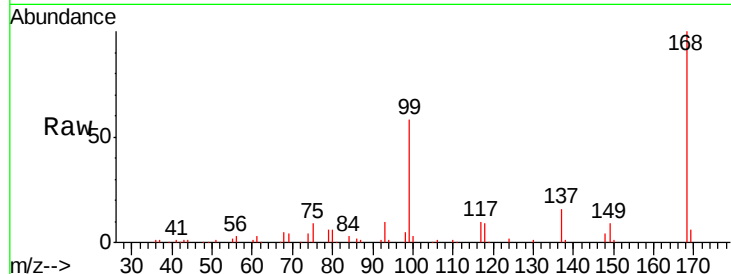
Instrument :
MSVOA_U
ClientSampleId :
30080

Tgt Ion: 168 Resp: 83878

Ion Ratio Lower Upper

168 100

99 58.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

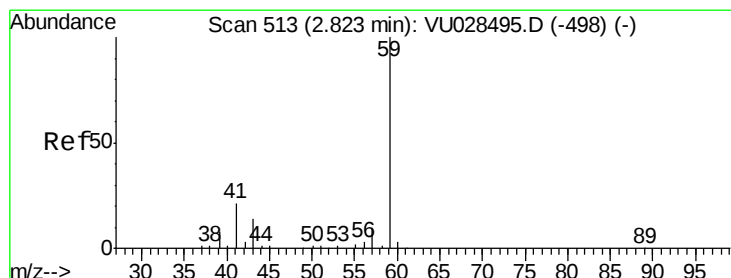
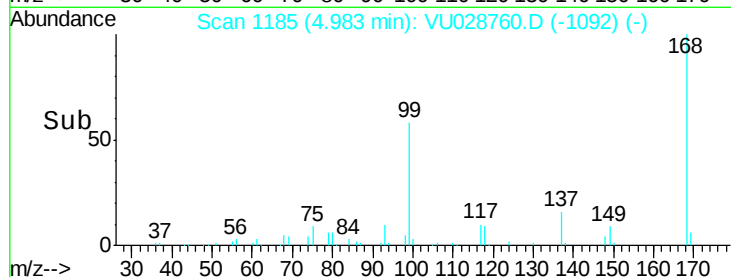
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 112.281 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU028760.D

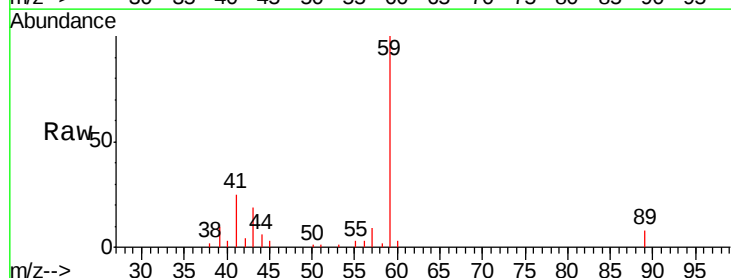
Acq: 18 Dec 2018 08:00

Tgt Ion: 59 Resp: 32021

Ion Ratio Lower Upper

59 100

57 9.4 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.83

15000

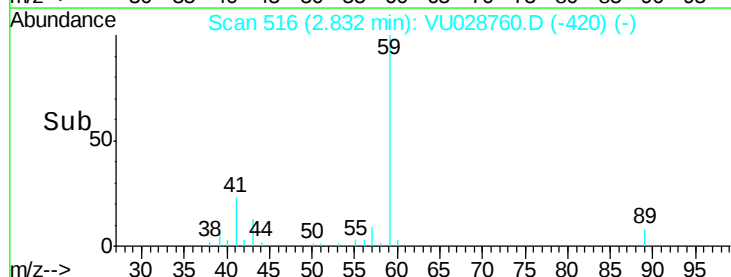
10000

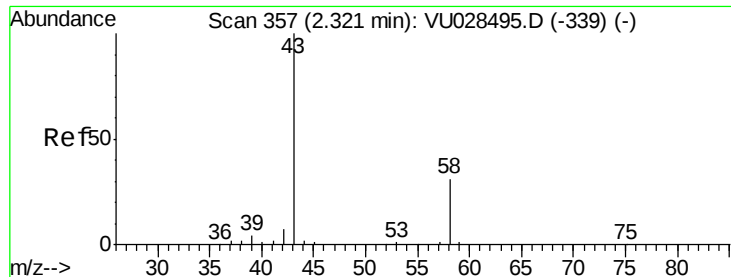
5000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#16

Acetone

Concen: 610.290 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

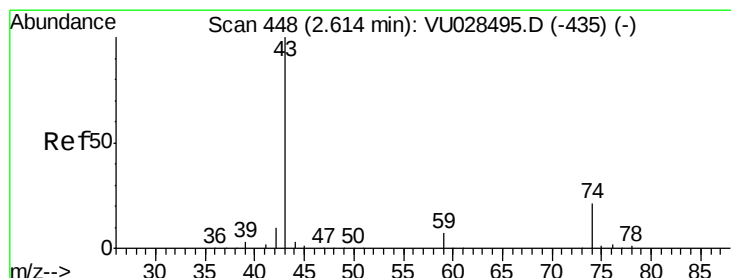
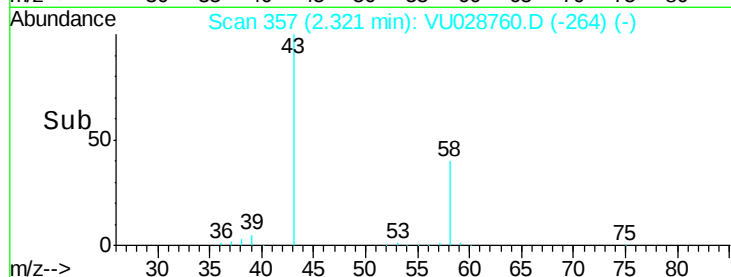
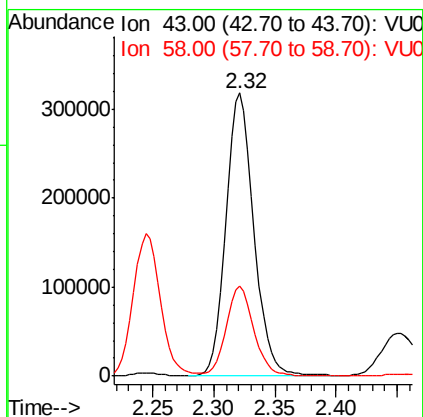
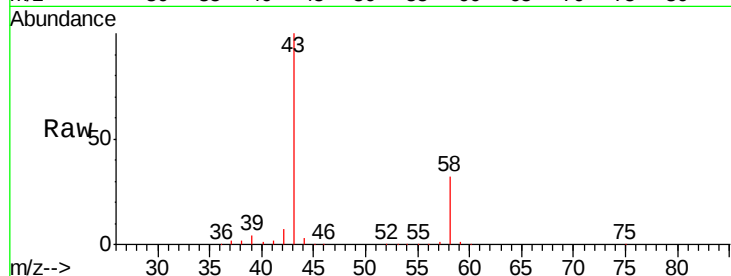
30080

Tgt Ion: 43 Resp: 509763

Ion Ratio Lower Upper

43 100

58 31.8 24.6 37.0



#18

Methyl Acetate

Concen: 44.830 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028760.D

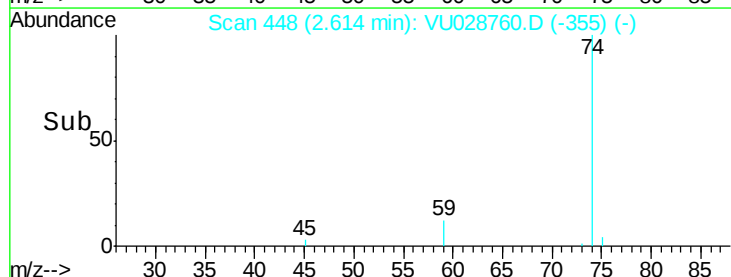
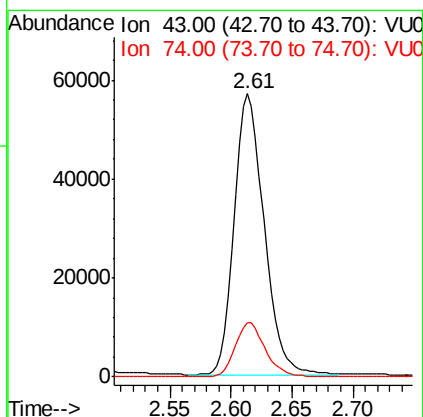
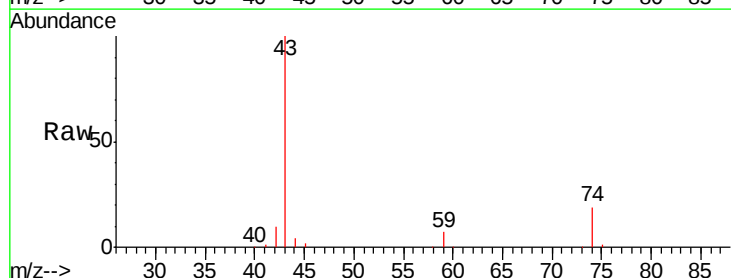
Acq: 18 Dec 2018 08:00

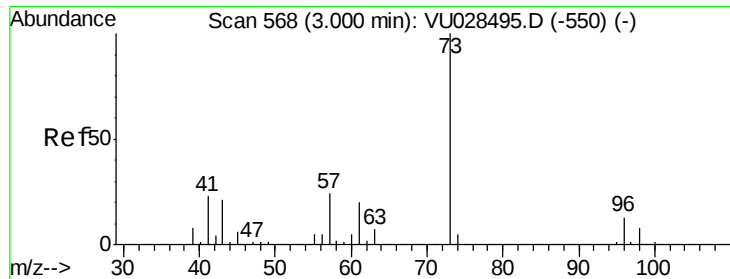
Tgt Ion: 43 Resp: 97068

Ion Ratio Lower Upper

43 100

74 19.3 16.4 24.6

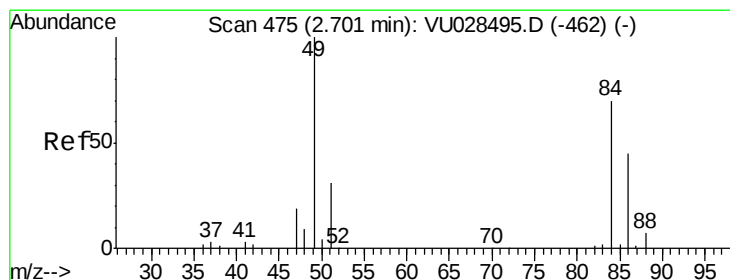
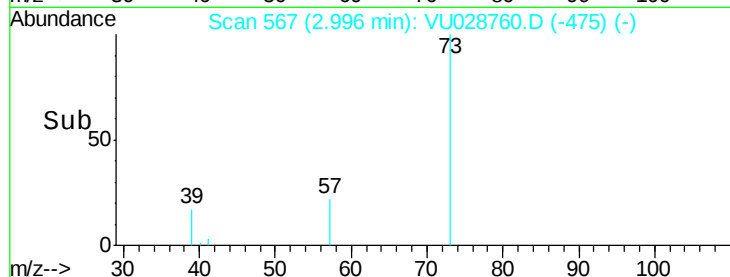
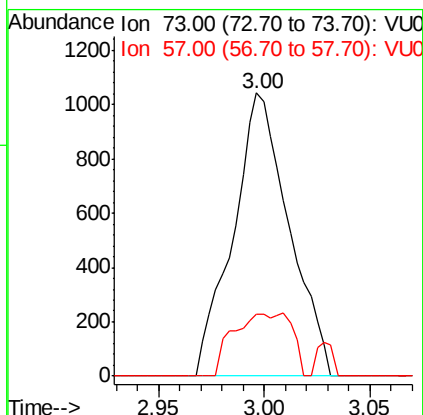
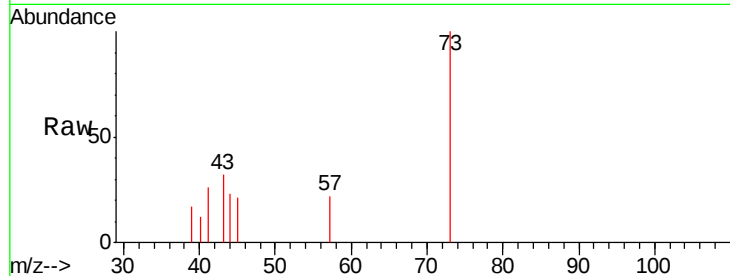




#19
Methyl tert-butyl Ether
Concen: 0.543 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

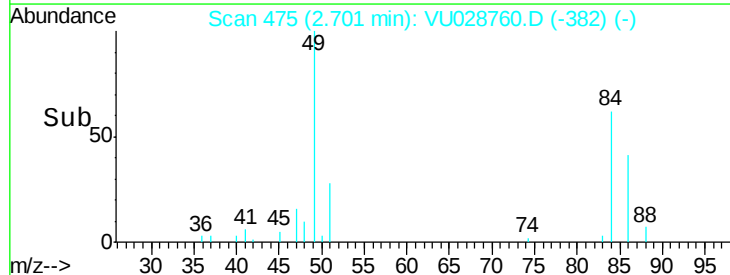
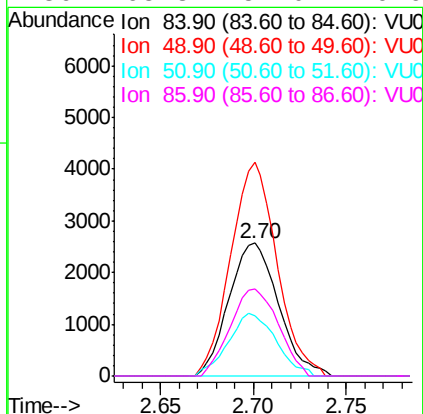
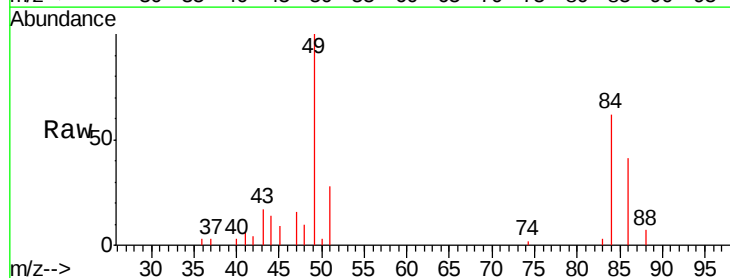
Instrument :
MSVOA_U
ClientSampleId :
30080

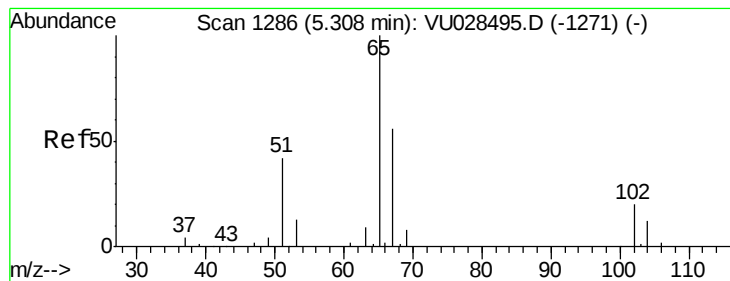
Tgt Ion: 73 Resp: 1922
Ion Ratio Lower Upper
73 100
57 21.8 19.4 29.2



#20
Methylene Chloride
Concen: 3.881 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion: 84 Resp: 4779
Ion Ratio Lower Upper
84 100
49 160.8 114.0 171.0
51 45.5 35.1 52.7
86 65.3 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 53.268 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

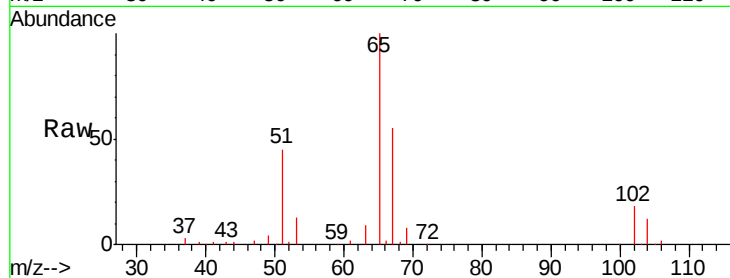
30080

Tgt Ion: 65 Resp: 68185

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028760.D (-1193) (-)

Ion 66.90 (66.60 to 67.60): VU028760.D (-1193) (-)

5.31

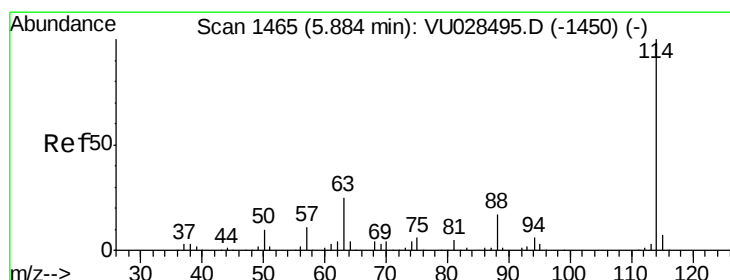
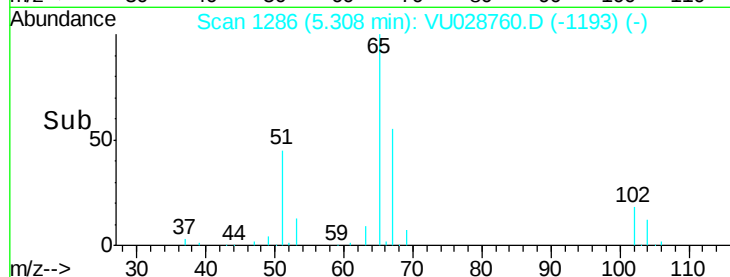
30000

20000

10000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

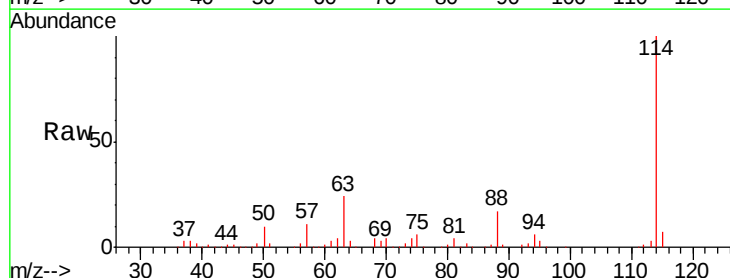
Tgt Ion: 114 Resp: 149443

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 16.9 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028760.D (-1372) (-)

Ion 63.00 (62.70 to 63.70): VU028760.D (-1372) (-)

Ion 87.90 (87.60 to 88.60): VU028760.D (-1372) (-)

5.88

100000

80000

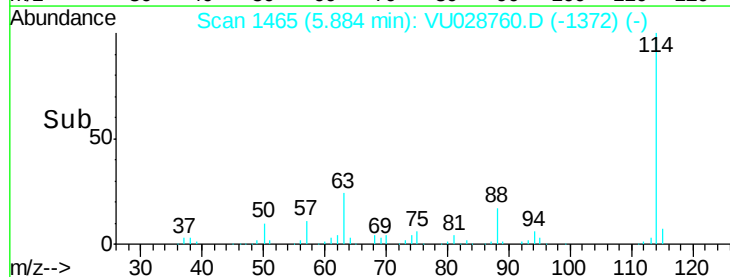
60000

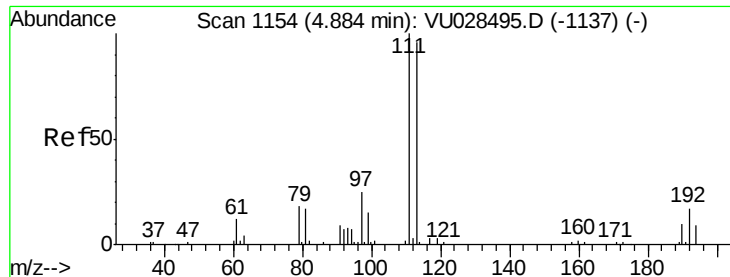
40000

20000

0

Time--> 5.80 5.85 5.90 5.95





#35

Dibromofluoromethane

Concen: 53.520 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

30080

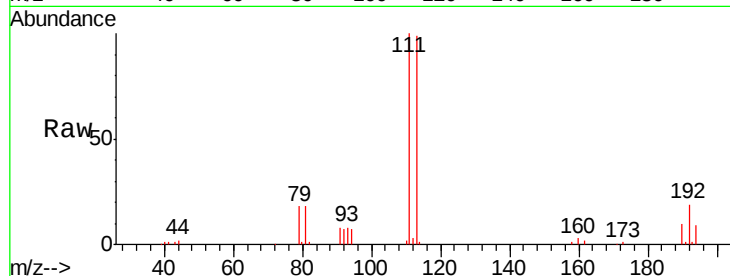
Tgt Ion:113 Resp: 50333

Ion Ratio Lower Upper

113 100

111 100.4 83.4 125.0

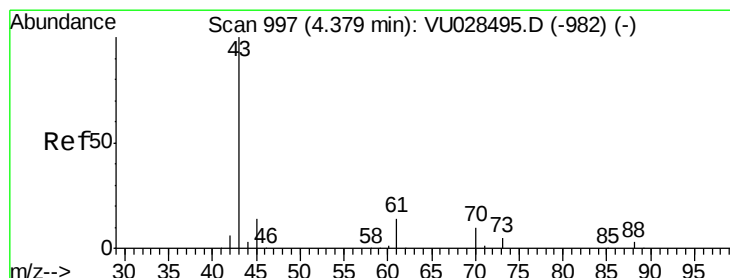
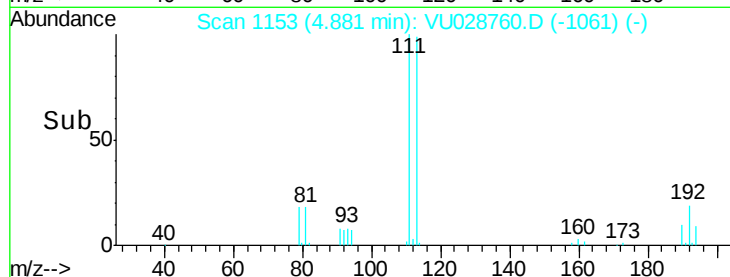
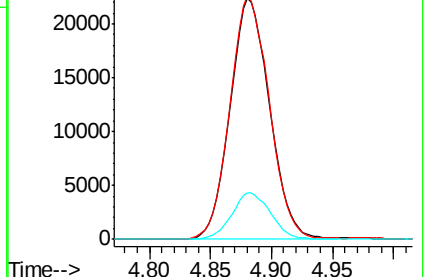
192 18.7 14.8 22.2



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



#37

Ethyl Acetate

Concen: 7.572 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.01 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

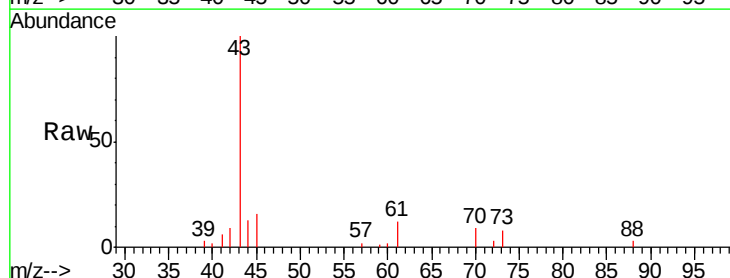
Tgt Ion: 43 Resp: 16008

Ion Ratio Lower Upper

43 100

61 14.0 11.0 16.4

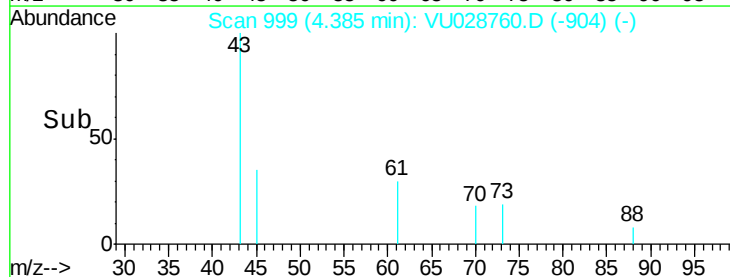
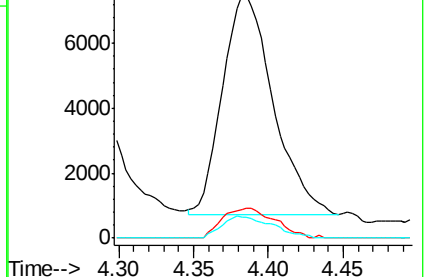
70 9.9 7.4 11.0

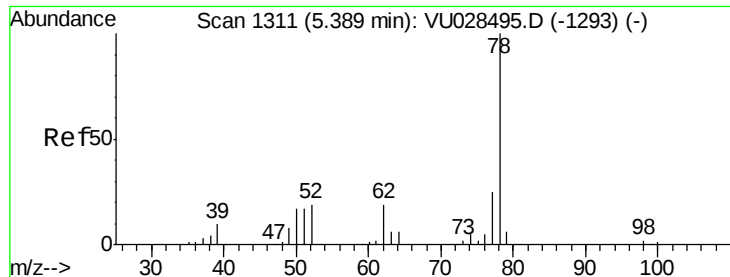


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0





#40

Benzene

Concen: 5.017 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

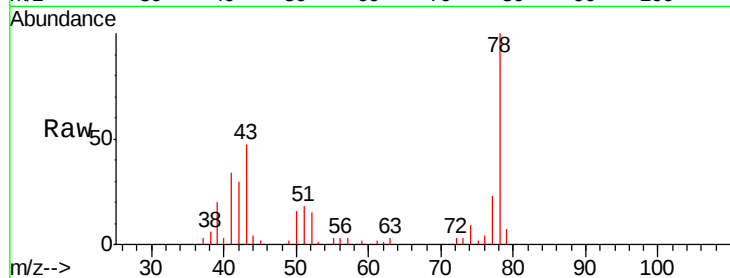
30080

Tgt Ion: 78 Resp: 24164

Ion Ratio Lower Upper

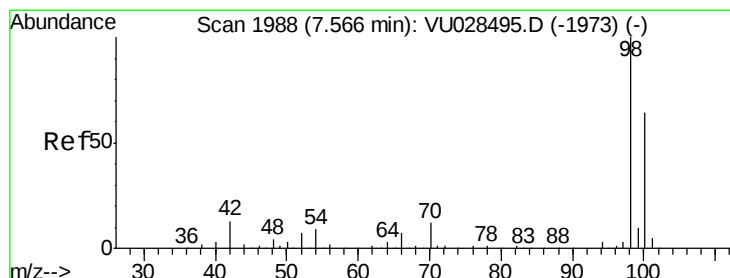
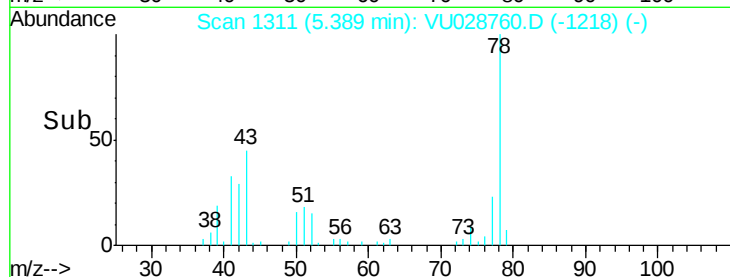
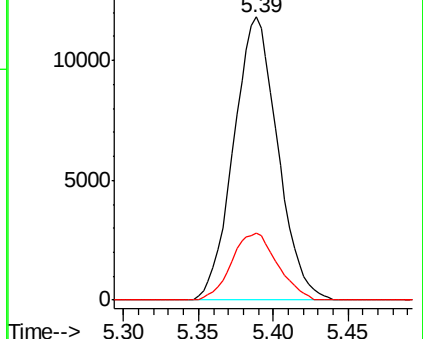
78 100

77 23.5 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 52.066 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028760.D

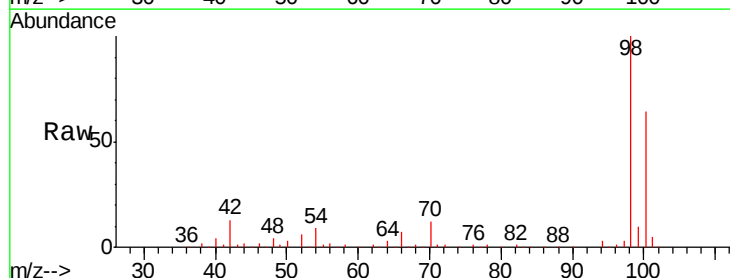
Acq: 18 Dec 2018 08:00

Tgt Ion: 98 Resp: 193698

Ion Ratio Lower Upper

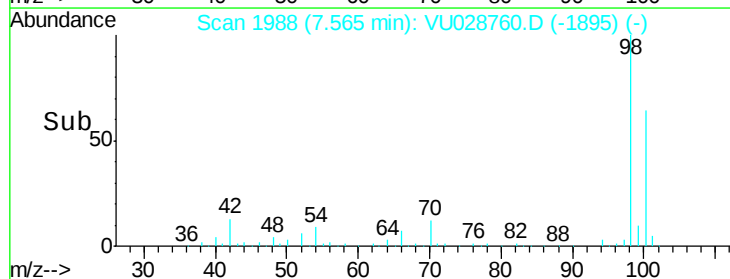
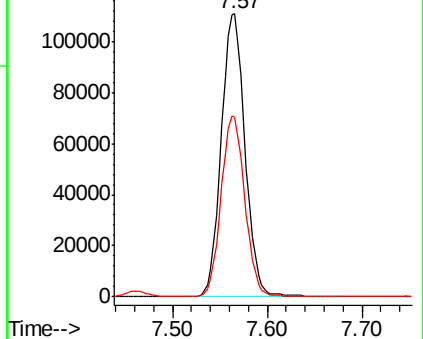
98 100

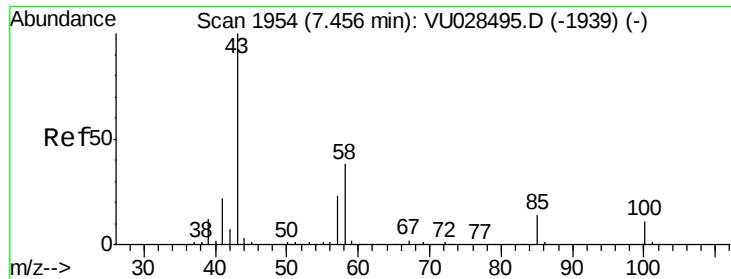
100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 17.897 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

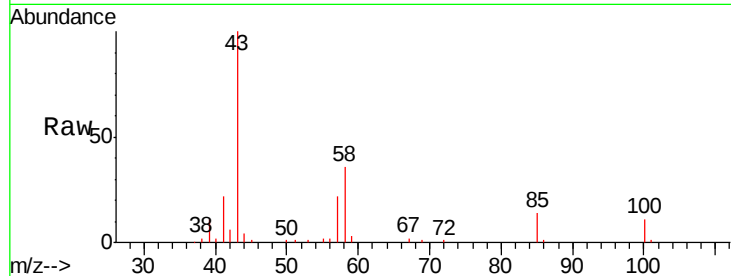
30080

Tgt Ion: 43 Resp: 37744

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

25000

20000

15000

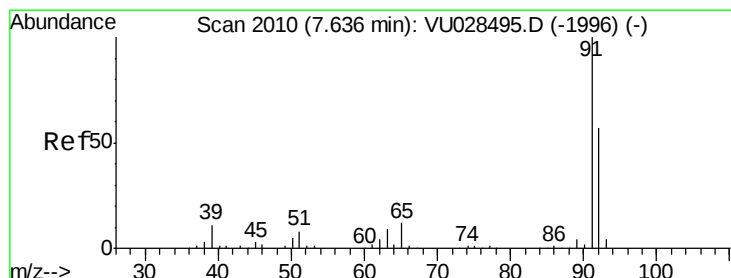
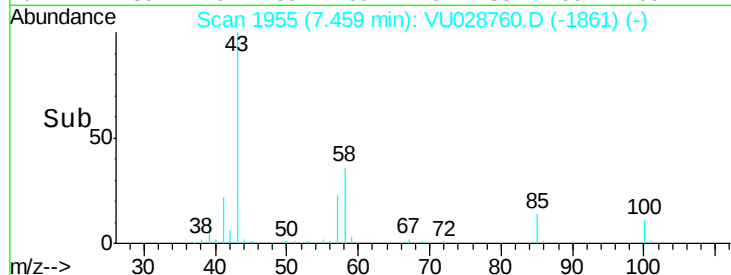
10000

5000

0

7.40 7.45 7.50

Time-->



#52

Toluene

Concen: 55.815 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028760.D

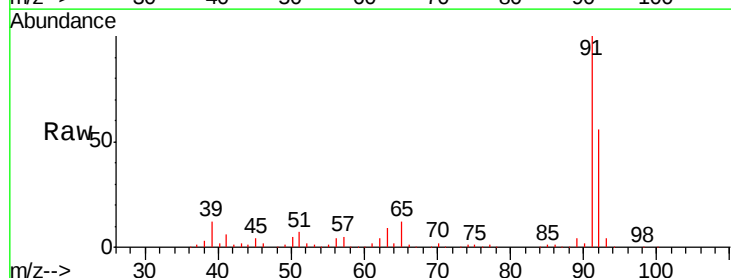
Acq: 18 Dec 2018 08:00

Tgt Ion: 92 Resp: 158212

Ion Ratio Lower Upper

92 100

91 175.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

150000

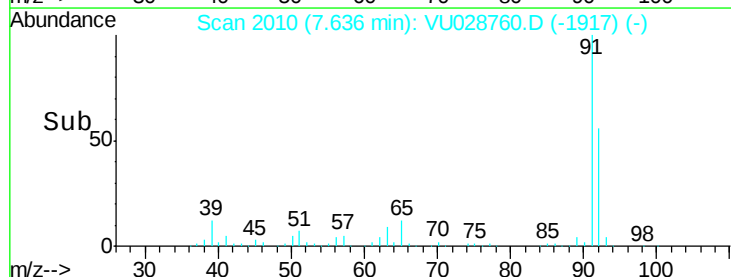
100000

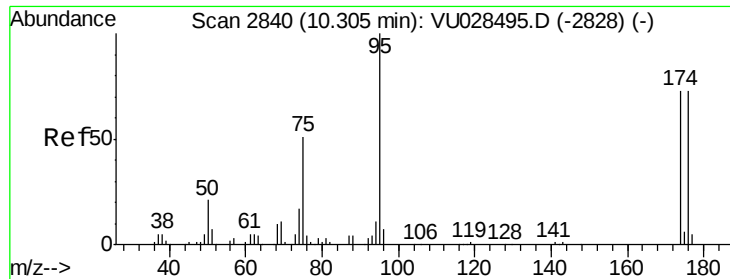
50000

0

7.60 7.70

Time-->

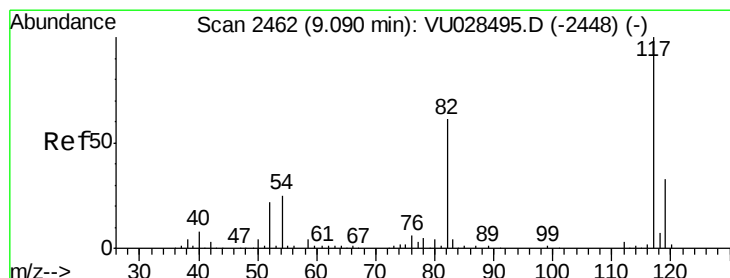
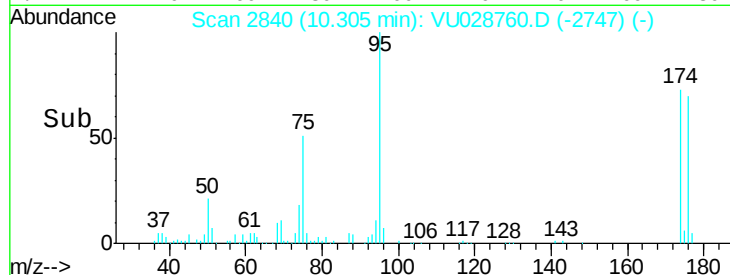
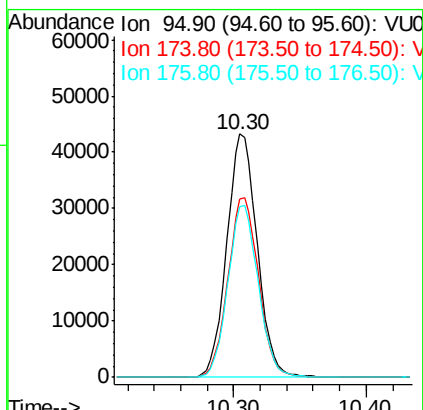
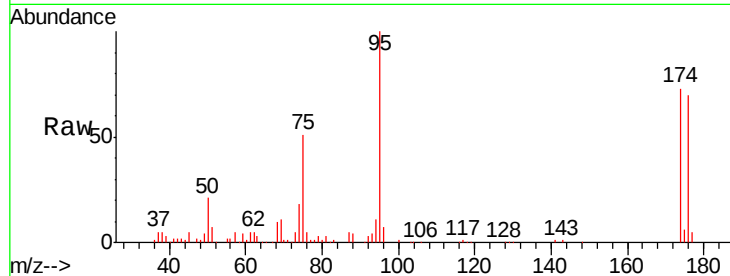




#62
 4-Bromofluorobenzene
 Concen: 49.475 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

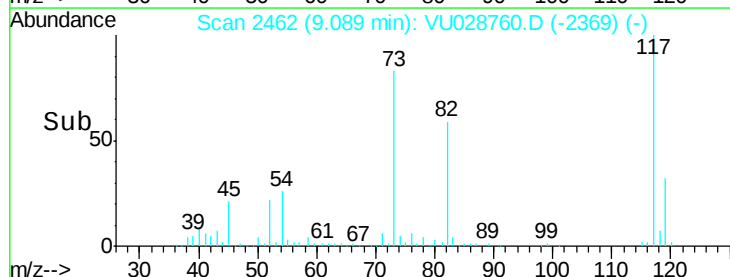
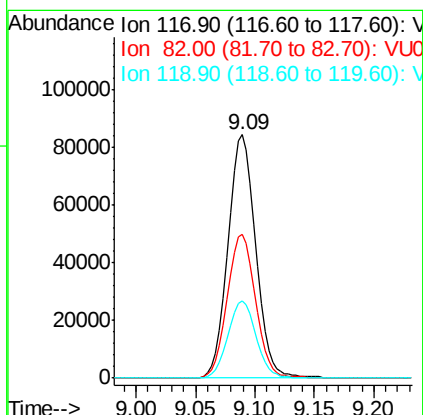
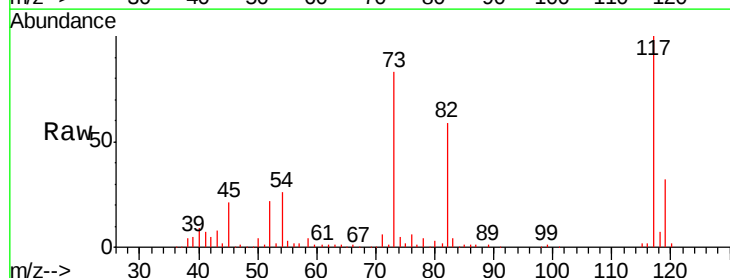
Instrument :
 MSVOA_U
 ClientSampleId :
 30080

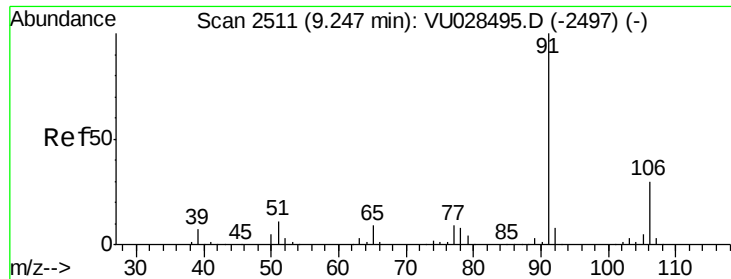
Tgt Ion: 95 Resp: 68795
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 150.4
 176 70.6 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion: 117 Resp: 136530
 Ion Ratio Lower Upper
 117 100
 82 59.3 48.9 73.3
 119 31.6 26.2 39.4

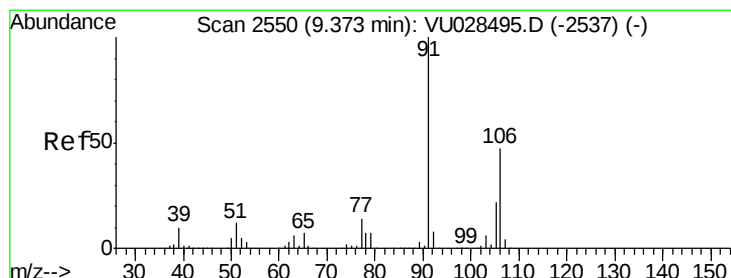
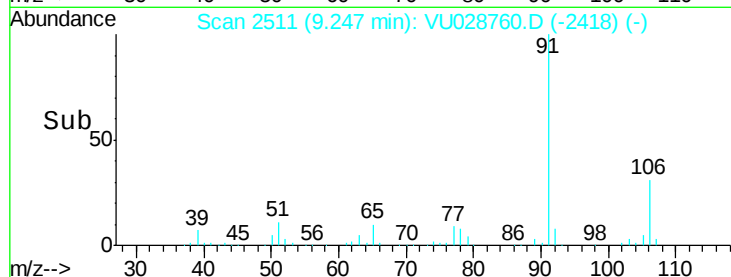
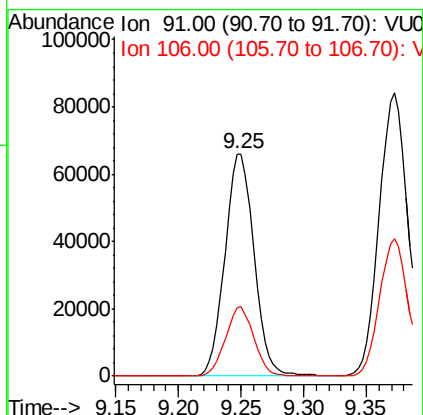
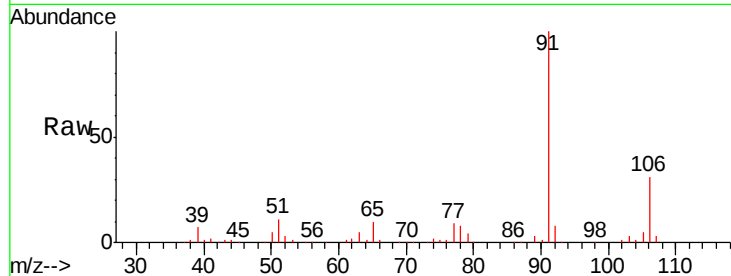




#67
 Ethyl Benzene
 Concen: 20.015 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

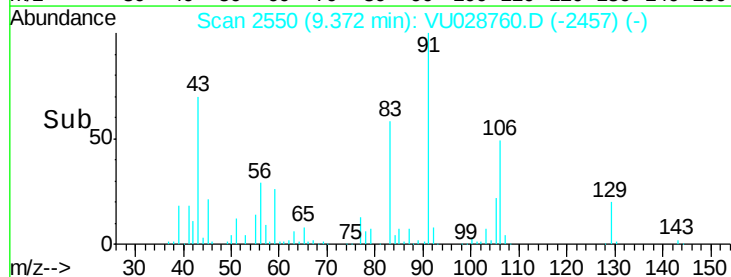
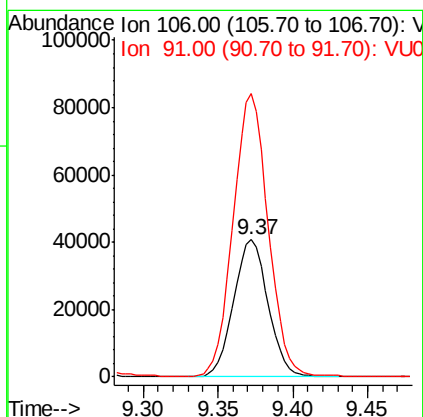
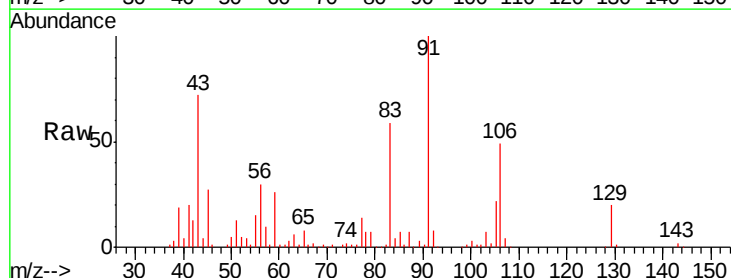
Instrument :
 MSVOA_U
 ClientSampleId :
 30080

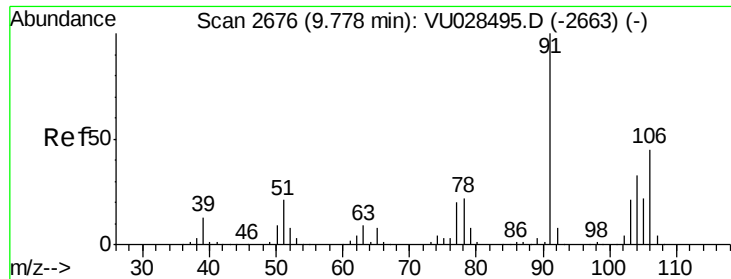
Tgt Ion: 91 Resp: 107048
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.1 36.1



#68
 m/p-Xylenes
 Concen: 33.684 ug/l
 RT: 9.37 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion: 106 Resp: 65552
 Ion Ratio Lower Upper
 106 100
 91 209.2 167.4 251.0

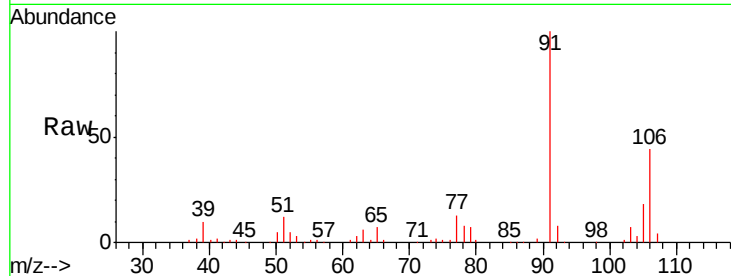




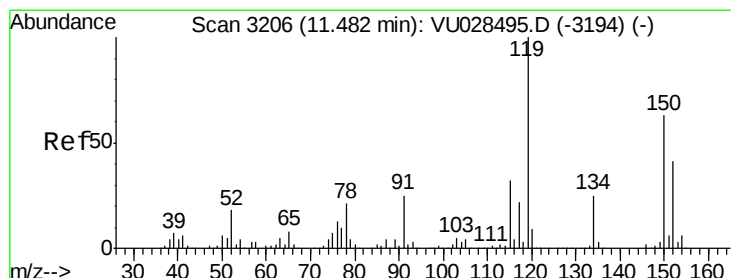
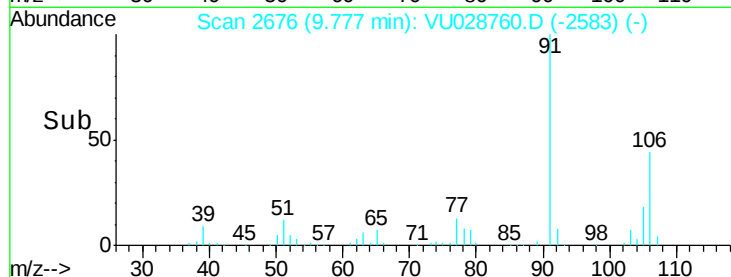
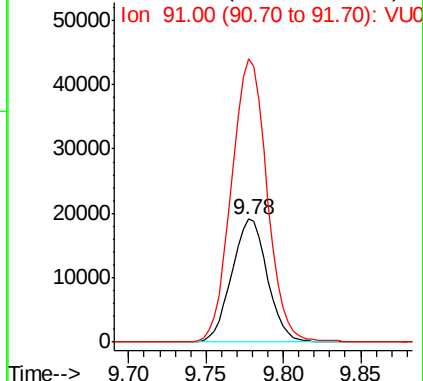
#69
o-Xylene
Concen: 16.105 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Instrument :
MSVOA_U
ClientSampled :
30080

Tgt Ion:106 Resp: 30458
Ion Ratio Lower Upper
106 100
91 230.6 111.3 334.0

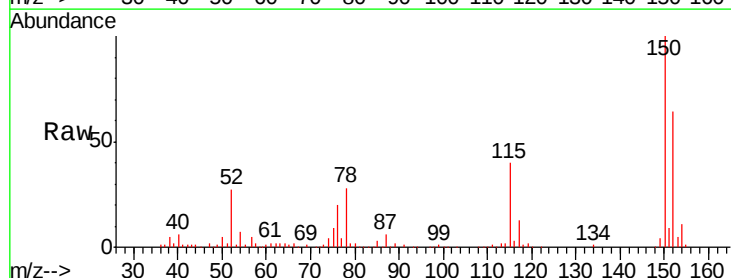


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

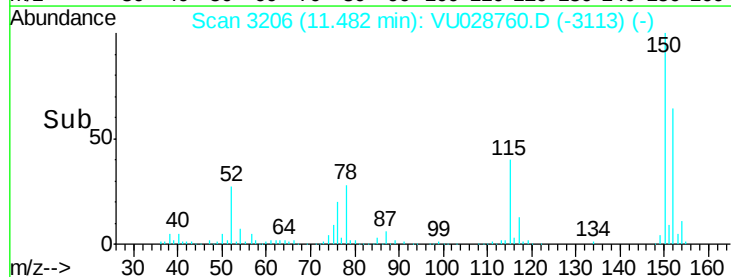
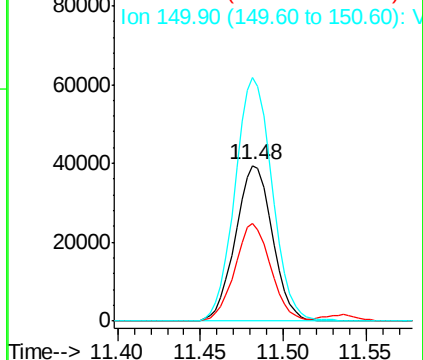


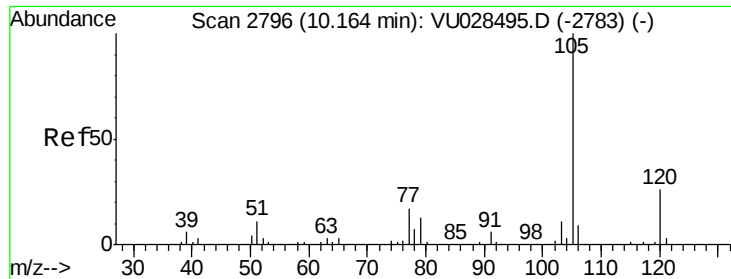
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion:152 Resp: 61088
Ion Ratio Lower Upper
152 100
115 61.2 42.7 128.1
150 157.8 0.0 346.0



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: 0.224 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampled :

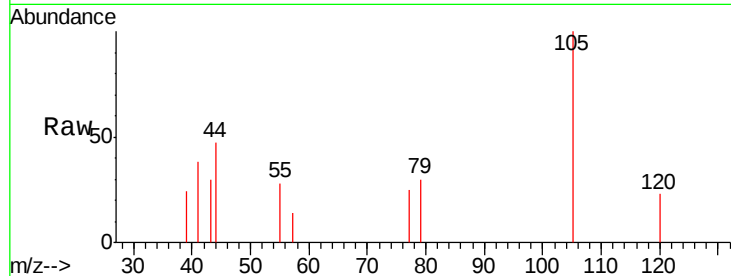
30080

Tgt Ion: 105 Resp: 1048

Ion Ratio Lower Upper

105 100

120 20.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

800

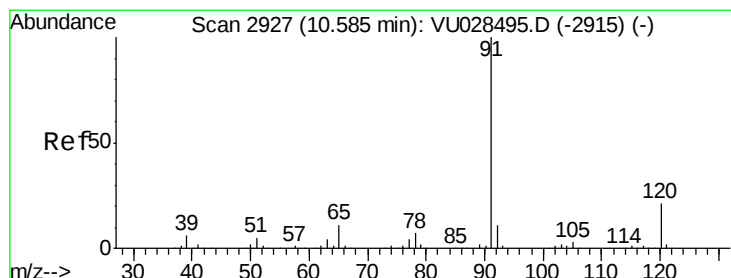
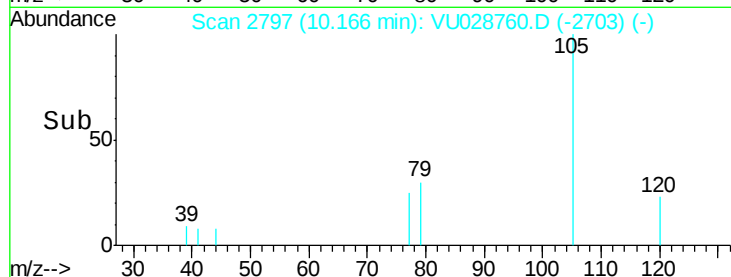
600

400

200

0

Time-->



#78

n-propylbenzene

Concen: 0.410 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028760.D

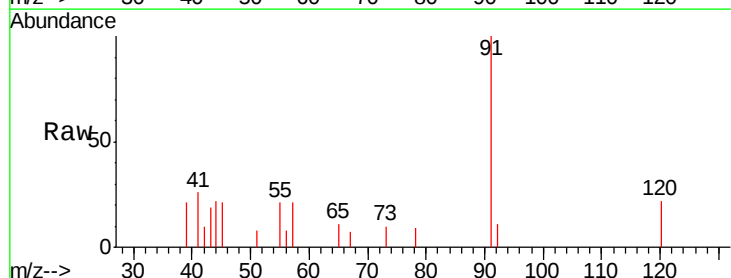
Acq: 18 Dec 2018 08:00

Tgt Ion: 91 Resp: 2387

Ion Ratio Lower Upper

91 100

120 20.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

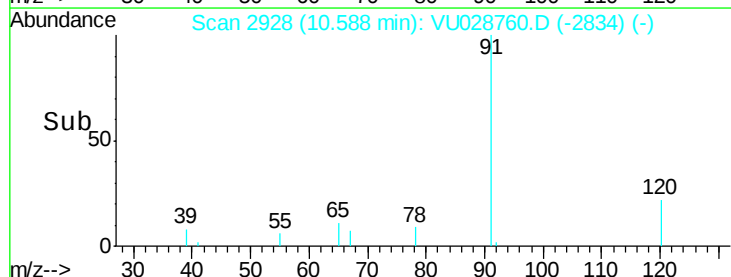
1500

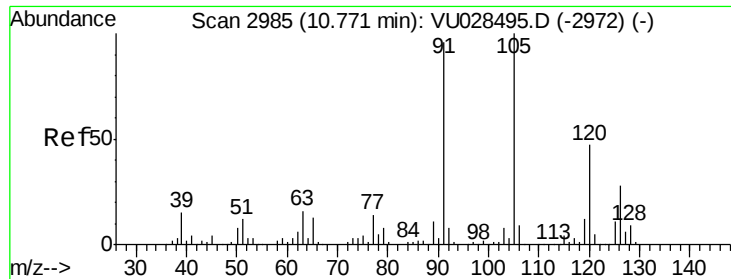
1000

500

0

Time-->

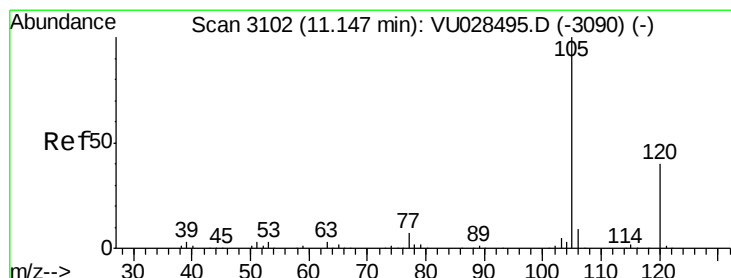
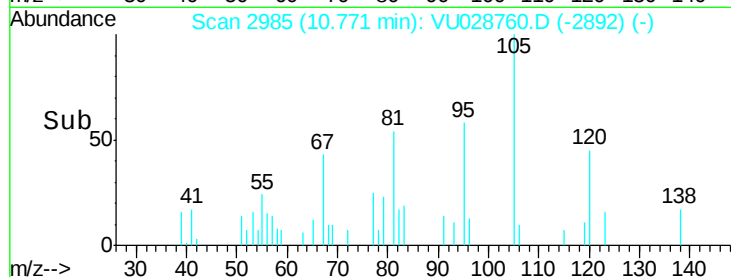
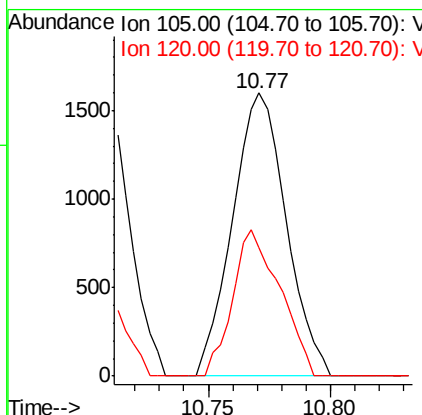
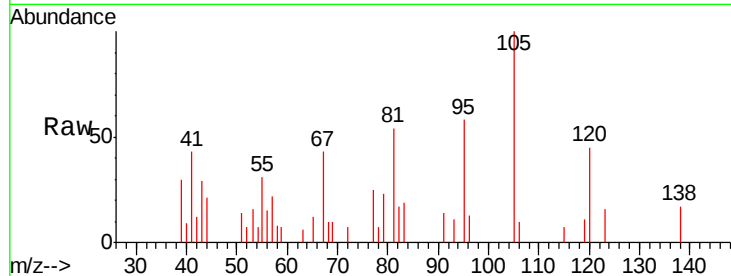




#80
 1,3,5-Trimethylbenzene
 Concen: 0.629 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Instrument :
 MSVOA_U
 ClientSampleId :
 30080

Tgt Ion:105 Resp: 2441
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.135 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion:105 Resp: 16535
 Ion Ratio Lower Upper
 105 100
 120 27.5 21.8 65.4

