

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028650.D
 Acq On : 12 Dec 2018 14:22
 Operator : MD/SY
 Sample : J6305-01DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

Quant Time: Dec 13 03:32:46 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	102525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	182582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	162885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79761	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	4.88	113	59558	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	7.56	98	234006	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	78592	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

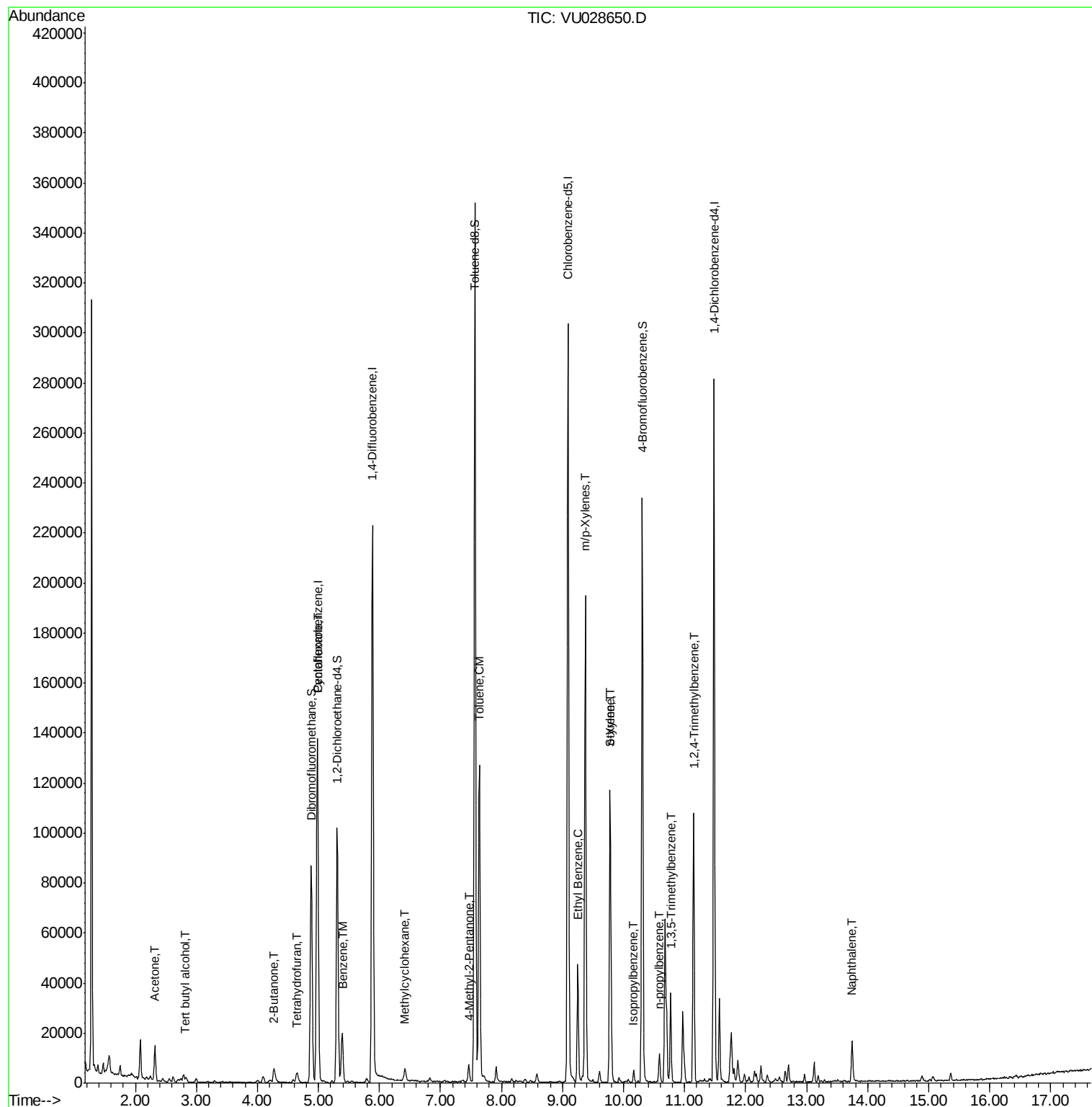
						Qvalue
11) Tert butyl alcohol	2.83	59	2139	6.136	ug/l #	73
16) Acetone	2.32	43	14838	14.533	ug/l	98
25) 2-Butanone	4.27	43	11459	8.213	ug/l	98
29) Tetrahydrofuran	4.64	42	3398	3.792	ug/l	94
31) Cyclohexane	4.98	56	4008	0.304	ug/l #	11
39) Methylcyclohexane	6.41	83	1334	0.547	ug/l #	79
40) Benzene	5.39	78	19213	3.265	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	5409	2.099	ug/l	95
52) Toluene	7.64	92	53613	15.481	ug/l	99
67) Ethyl Benzene	9.25	91	33649	5.274	ug/l	100
68) m/p-Xylenes	9.37	106	53686	23.123	ug/l	100
69) o-Xylene	9.78	106	27154	12.035	ug/l	97
70) Styrene	9.79	104	14775	3.957	ug/l #	78
73) Isopropylbenzene	10.16	105	3436	0.652	ug/l	99
78) n-propylbenzene	10.59	91	9130	1.395	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	18650	4.278	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	58534	13.028	ug/l	99
95) Naphthalene	13.75	128	15331	2.746	ug/l #	96

(#) = 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: VU028650.D

Acq: 12 Dec 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

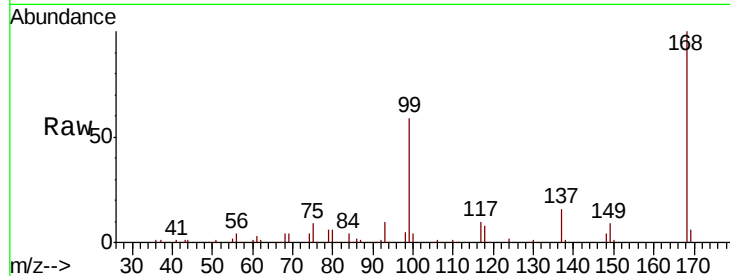
P001-SW001-01DL

Tot Ion:168 Resp: 102525

Ion Ratio Lower Upper

168 100

99 58.6 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

50000

40000

30000

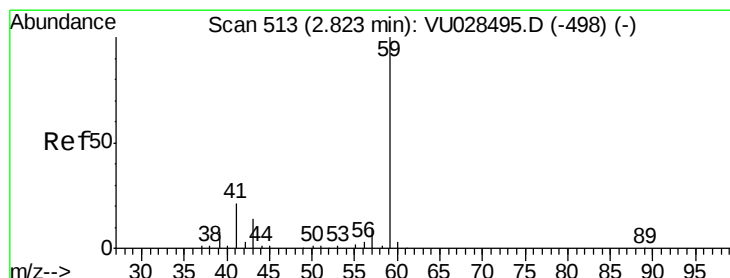
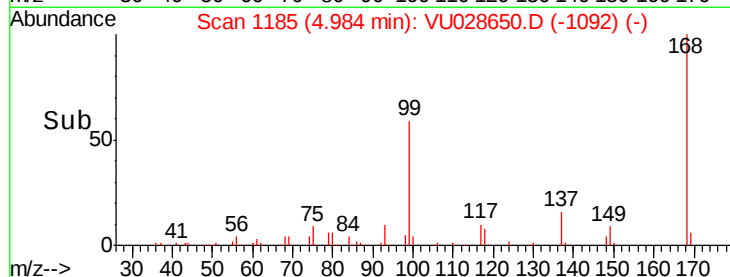
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 6.136 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU028650.D

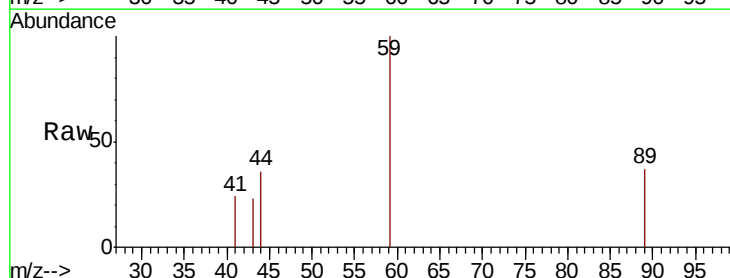
Acq: 12 Dec 2018 14:22

Tgt Ion: 59 Resp: 2139

Ion Ratio Lower Upper

59 100

57 0.0 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

1000

800

600

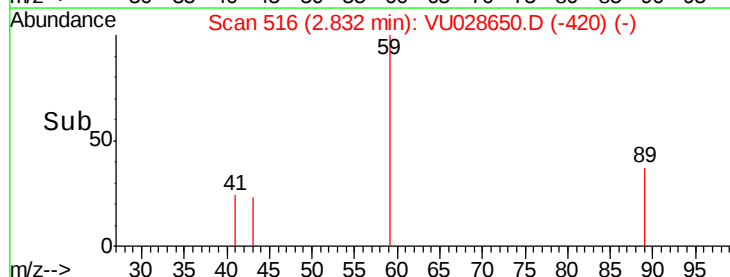
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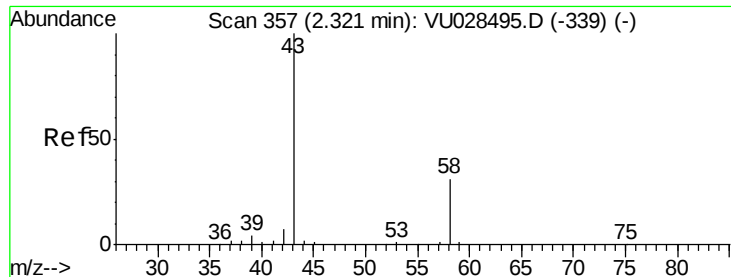
200

0

2.80 2.85

Time-->





#16

Acetone

Concen: 14.533 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028650.D

Acq: 12 Dec 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

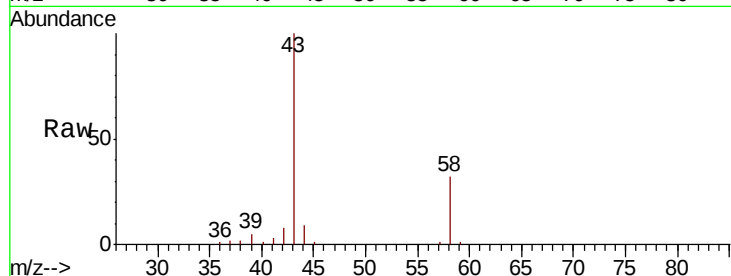
P001-SW001-01DL

Tot Ion: 43 Resp: 14838

Ion Ratio Lower Upper

43 100

58 32.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-339) (-)

2.32

10000

8000

6000

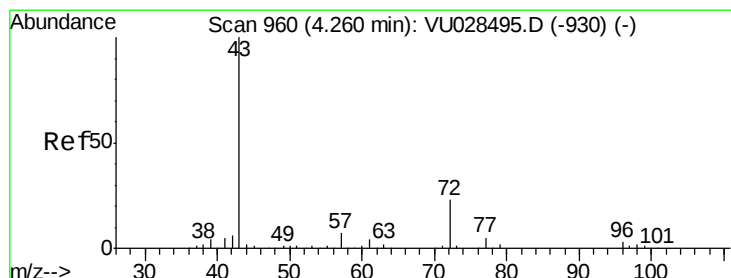
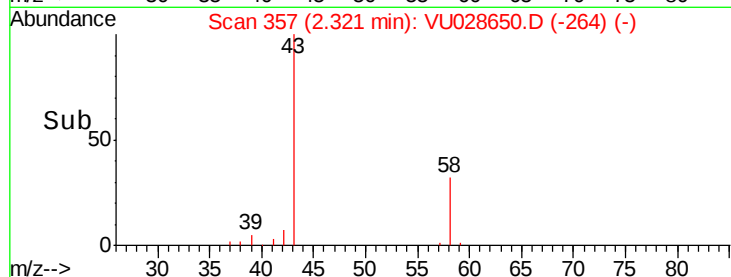
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#25

2-Butanone

Concen: 8.213 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU028650.D

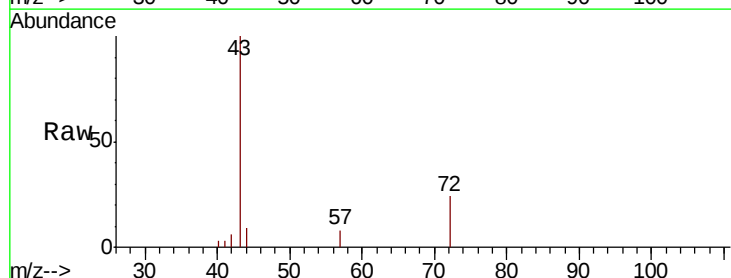
Acq: 12 Dec 2018 14:22

Tgt Ion: 43 Resp: 11459

Ion Ratio Lower Upper

43 100

72 24.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

4.27

4000

3000

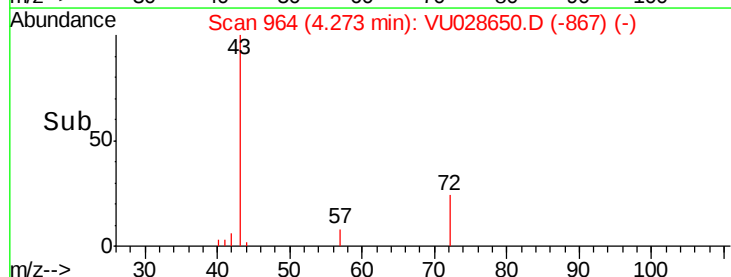
2000

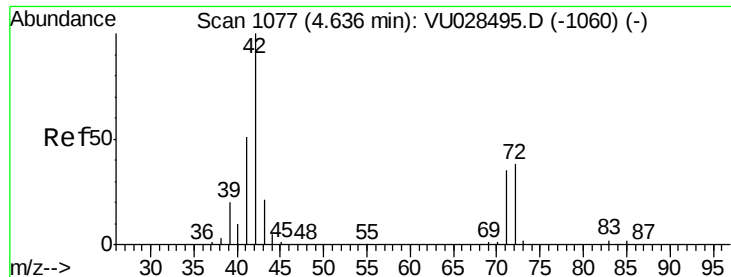
1000

0

Time-->

4.20 4.30 4.40

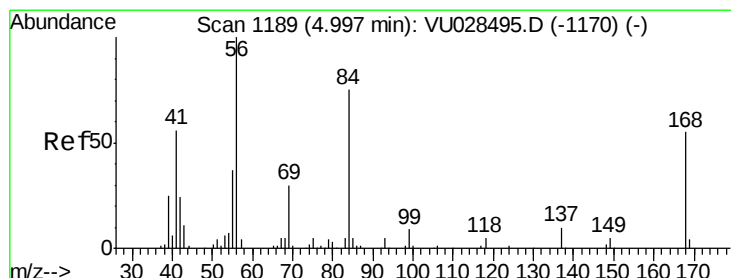
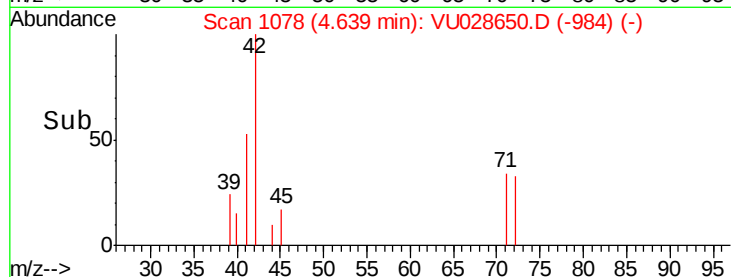
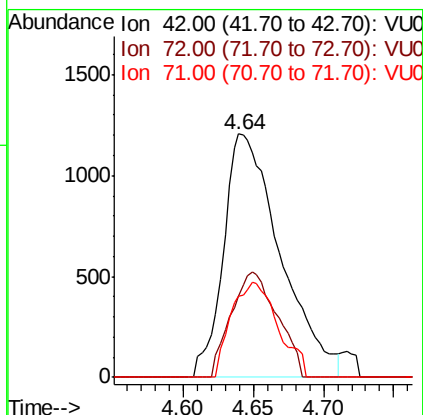
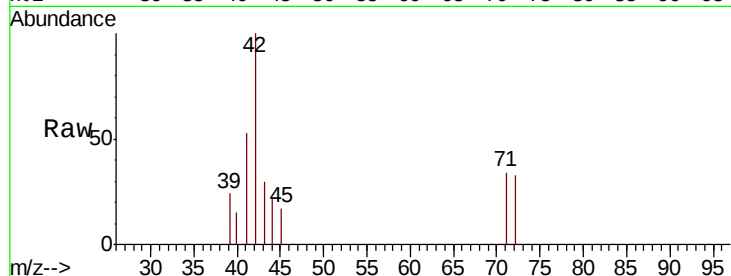




#29
Tetrahydrofuran
Concen: 3.792 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU028650.D
Acq: 12 Dec 2018 14:22

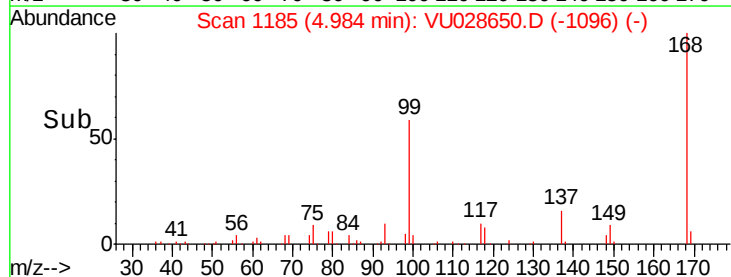
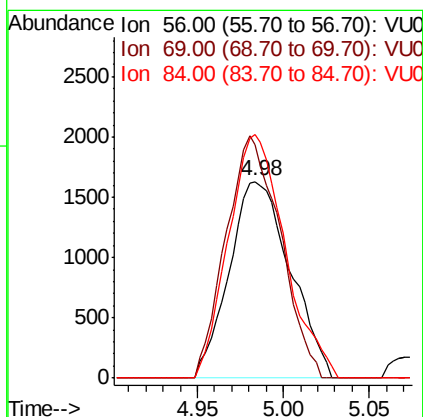
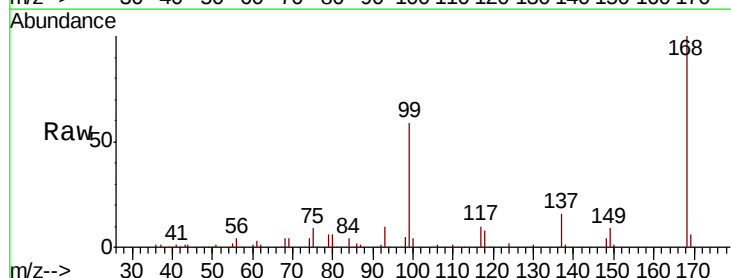
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

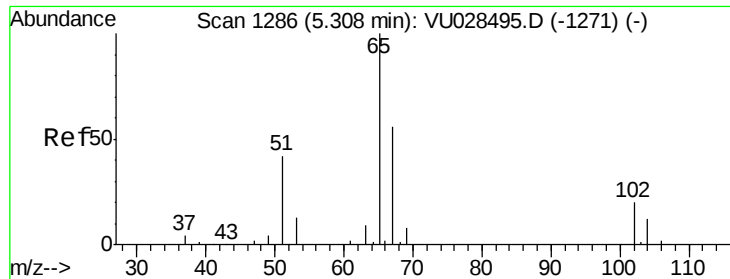
Tot Ion: 42 Resp: 3398
Ion Ratio Lower Upper
42 100
72 35.2 31.4 47.0
71 32.1 28.6 43.0



#31
Cyclohexane
Concen: 0.304 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028650.D
Acq: 12 Dec 2018 14:22

Tgt Ion: 56 Resp: 4008
Ion Ratio Lower Upper
56 100
69 119.0 24.0 36.0#
84 123.9 59.7 89.5#

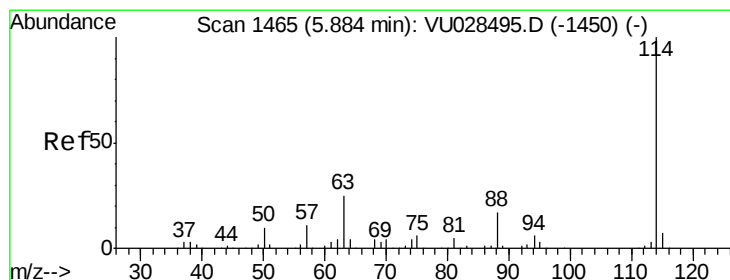
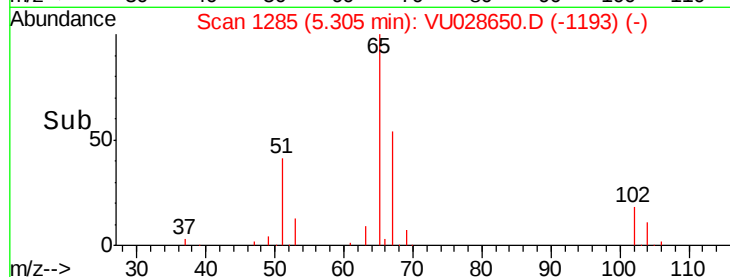
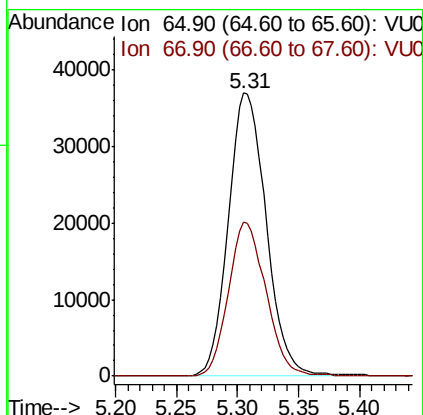
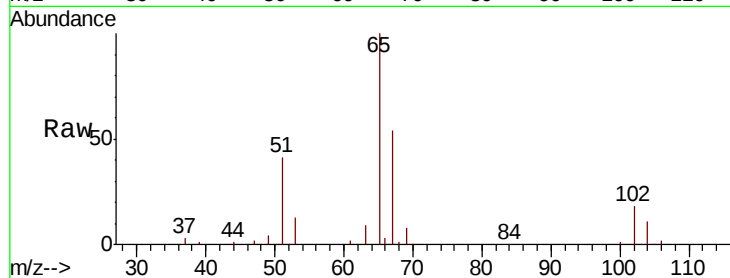




#33
 1,2-Dichloroethane-d4
 Concen: 50.979 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

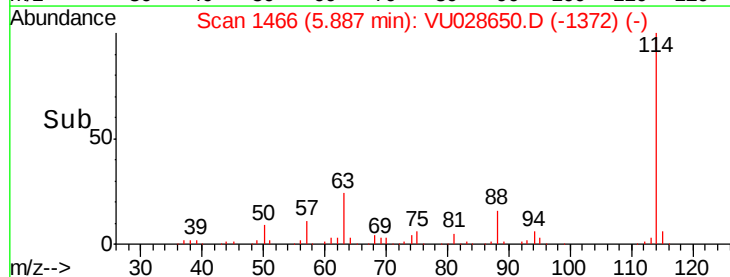
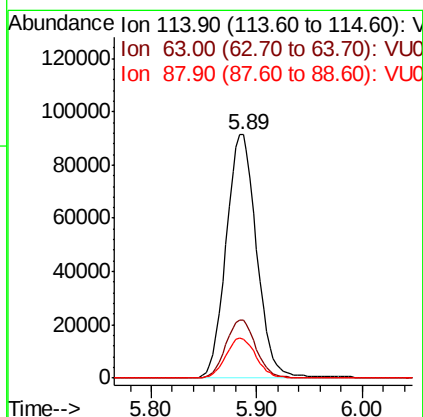
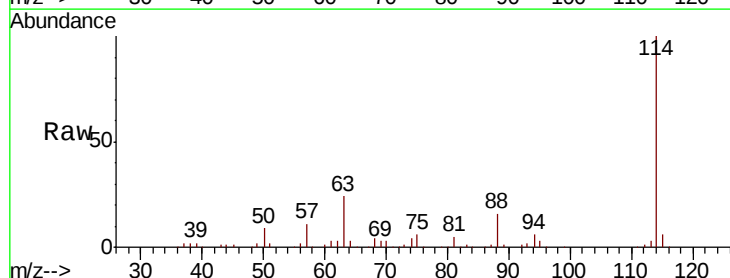
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

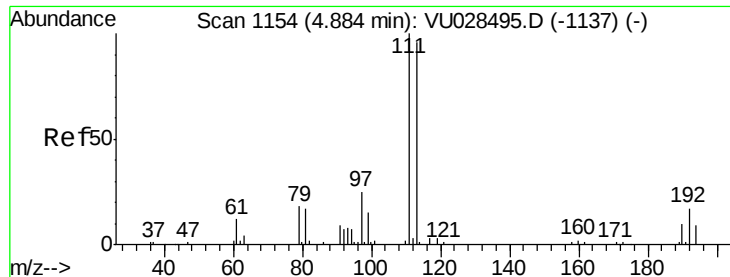
Tot Ion: 65 Resp: 79761
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

Tgt Ion: 114 Resp: 182582
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.1 0.0 33.4

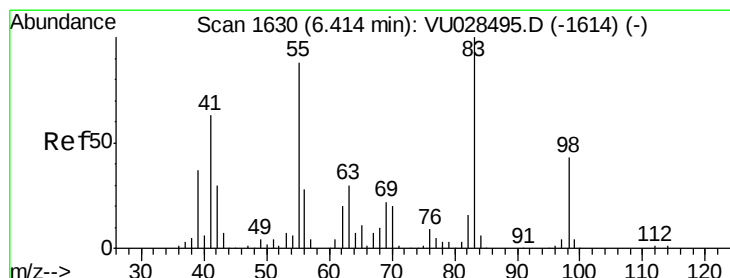
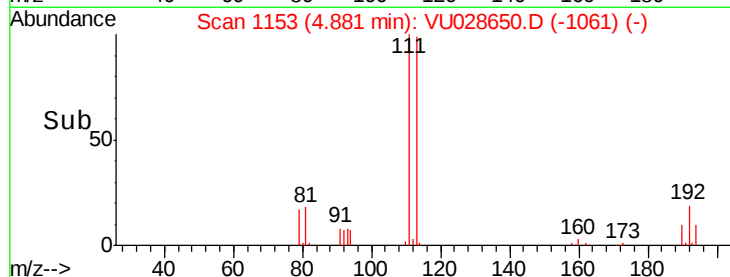
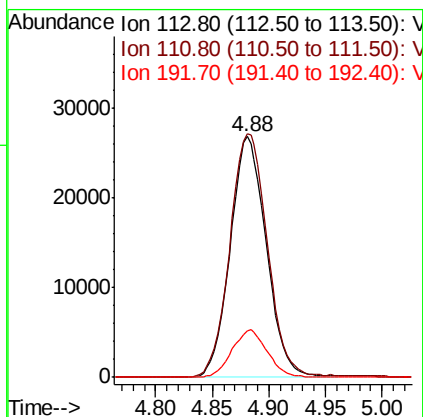
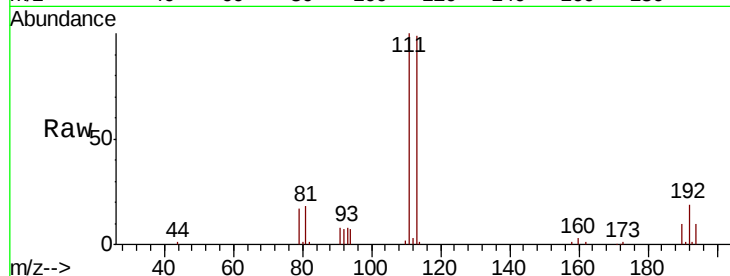




#35
 Dibromofluoromethane
 Concen: 51.835 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

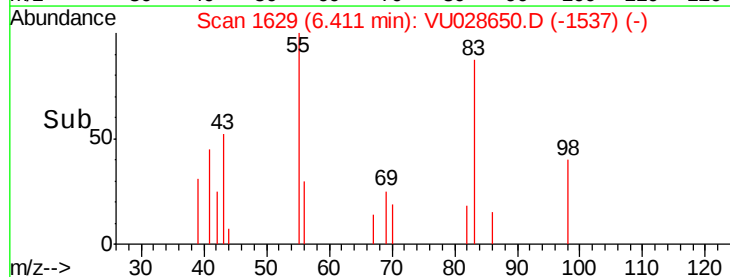
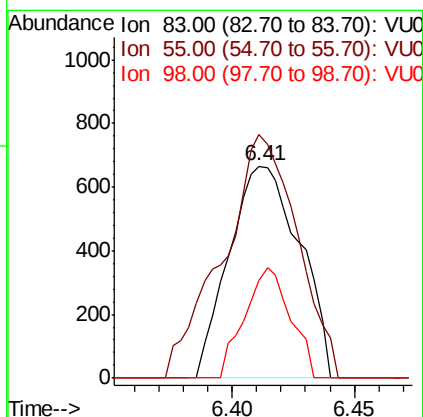
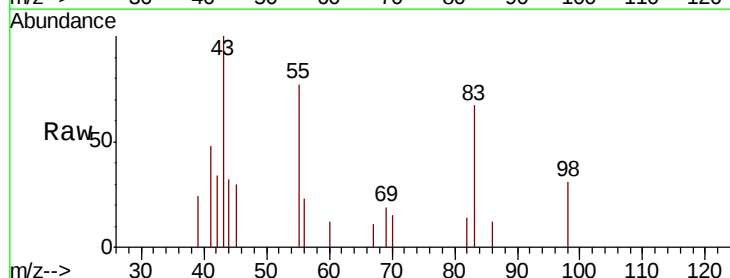
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

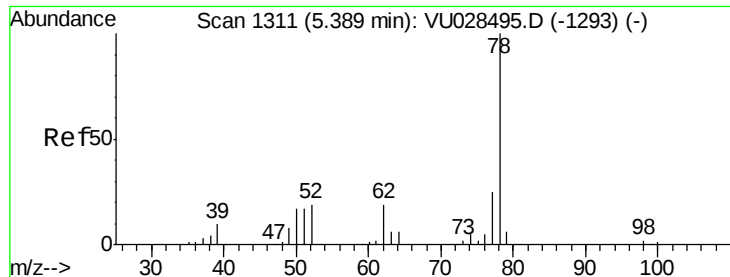
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.4	125.0
192	19.1	14.8	22.2



#39
 Methylcyclohexane
 Concen: 0.547 ug/l
 RT: 6.41 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	114.9	70.2	105.2#
98	45.9	34.2	51.4





#40

Benzene

Concen: 3.265 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028650.D

Acq: 12 Dec 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

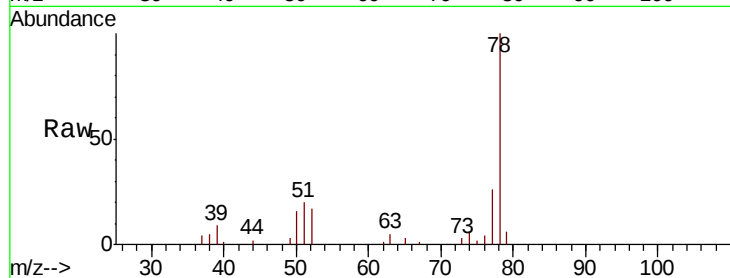
P001-SW001-01DL

Tot Ion: 78 Resp: 19213

Ion Ratio Lower Upper

78 100

77 25.7 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU028650.D (-1218) (-)

Ion 77.00 (76.70 to 77.70): VU028650.D (-1218) (-)

5.39

8000

6000

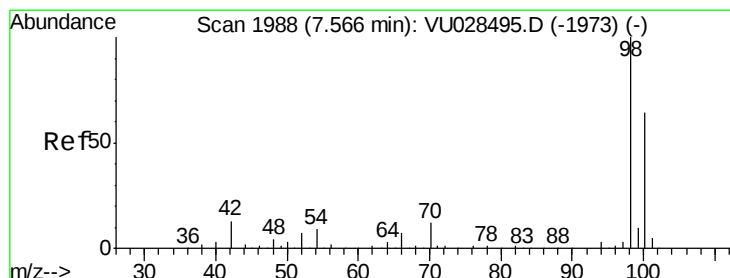
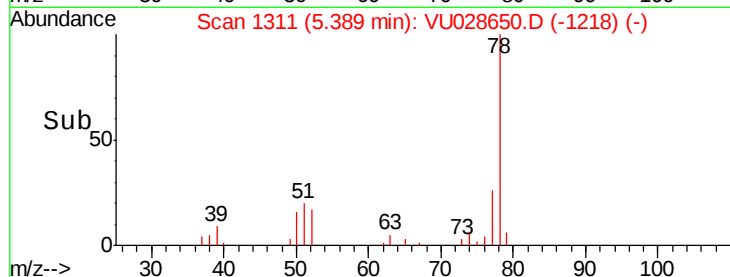
4000

2000

0

Time-->

5.30 5.35 5.40 5.45



#50

Toluene-d8

Concen: 51.484 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028650.D

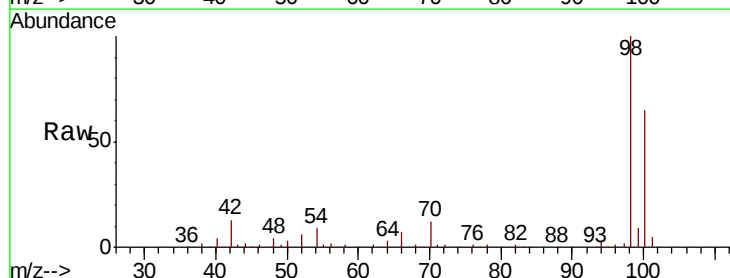
Acq: 12 Dec 2018 14:22

Tgt Ion: 98 Resp: 234006

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028650.D (-1895) (-)

Ion 100.00 (99.70 to 100.70): VU028650.D (-1895) (-)

7.56

150000

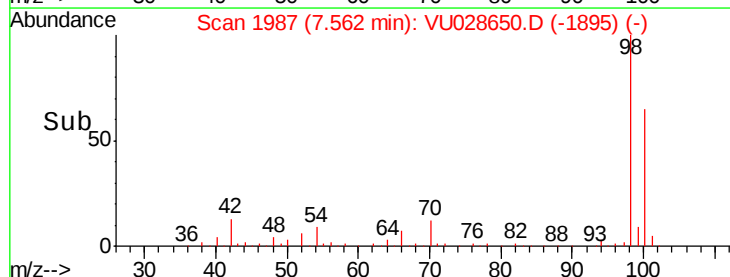
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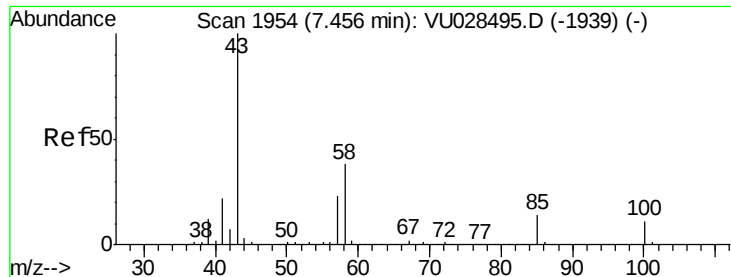
50000

0

Time-->

7.50 7.55 7.60 7.65





#51

4-Methyl-2-Pentanone

Concen: 2.099 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028650.D

Acq: 12 Dec 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

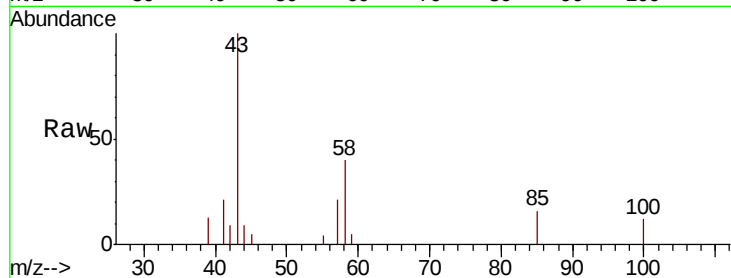
P001-SW001-01DL

Tot Ion: 43 Resp: 5409

Ion Ratio Lower Upper

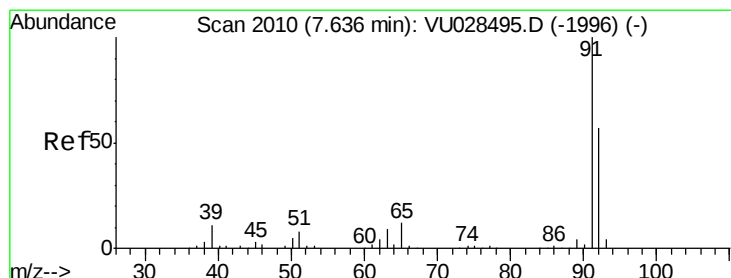
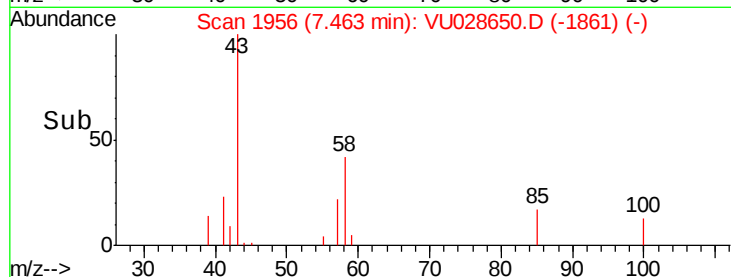
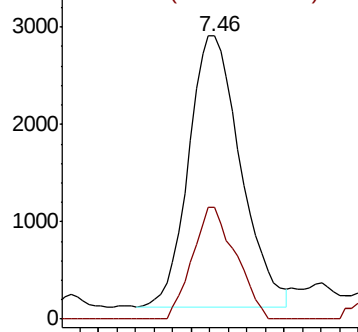
43 100

58 34.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 15.481 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028650.D

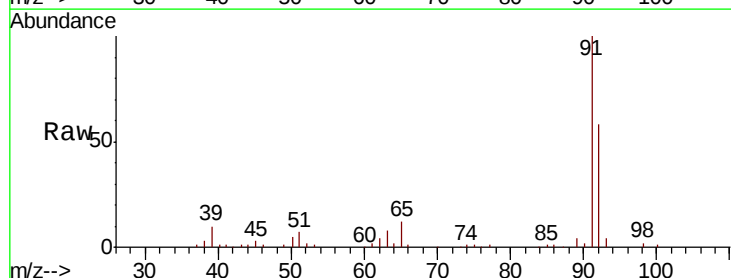
Acq: 12 Dec 2018 14:22

Tgt Ion: 92 Resp: 53613

Ion Ratio Lower Upper

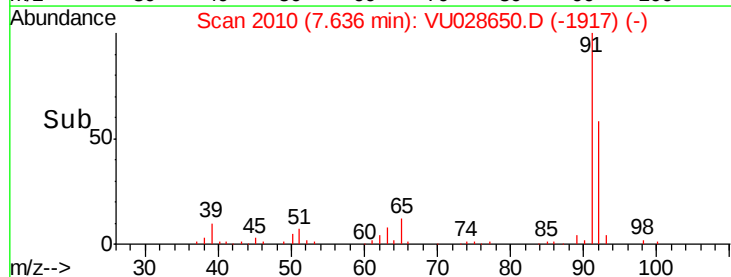
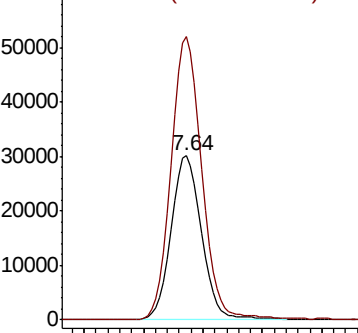
92 100

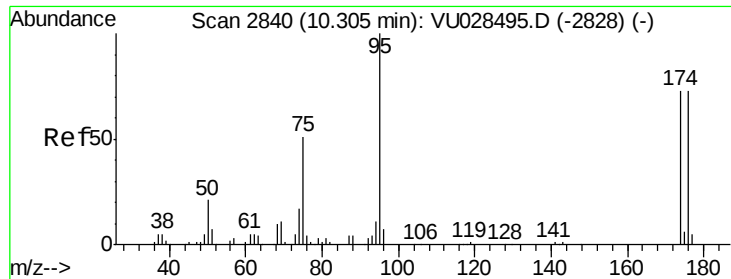
91 173.9 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

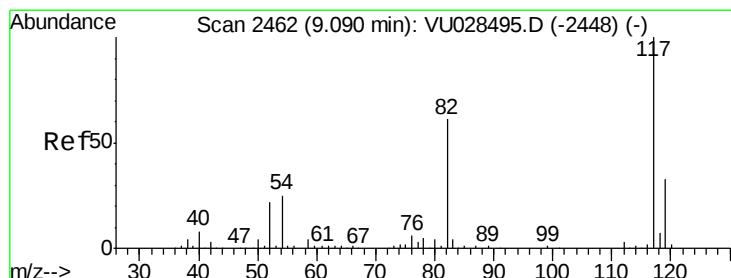
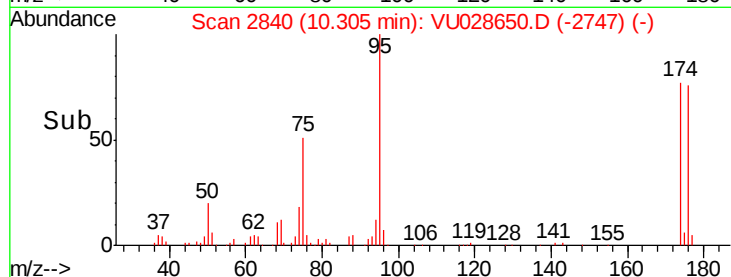
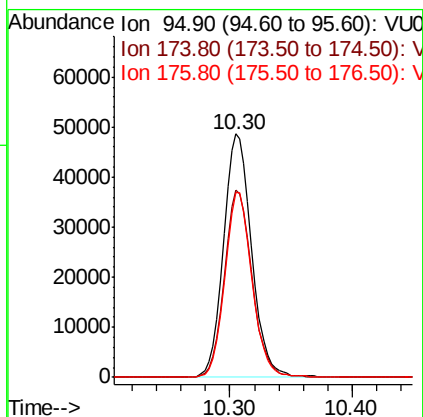
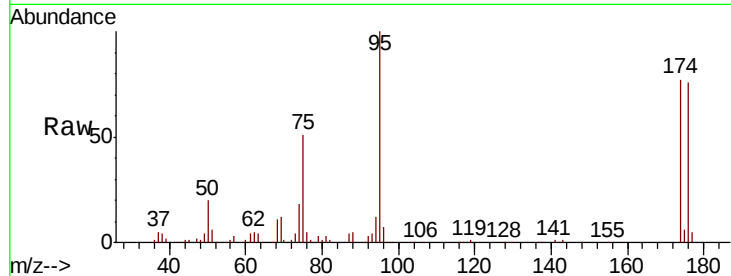




#62
 4-Bromofluorobenzene
 Concen: 46.262 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

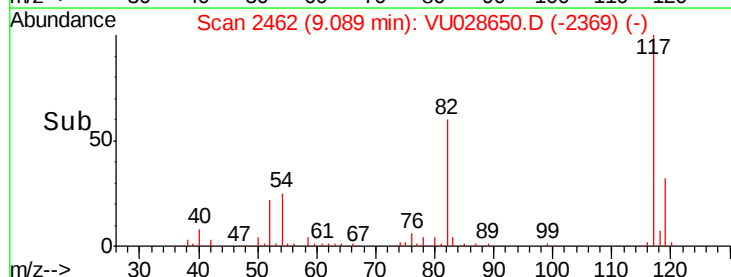
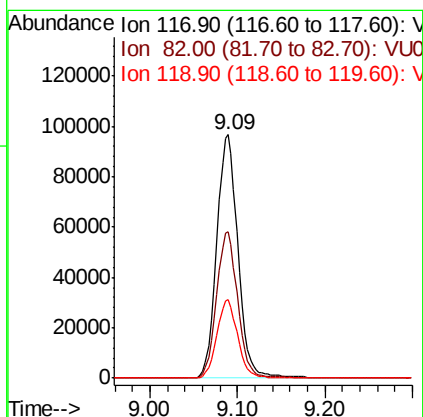
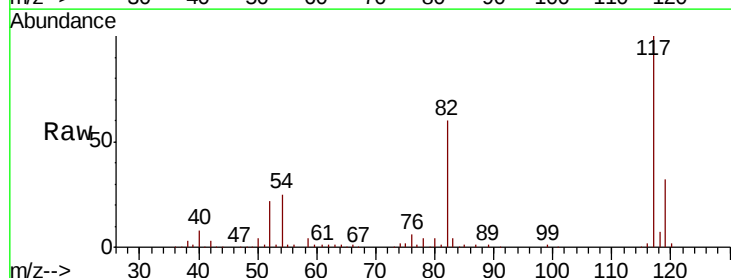
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

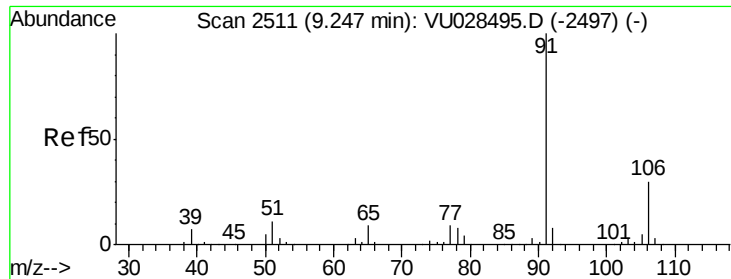
Tot Ion: 95 Resp: 78592
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.4
 176 73.7 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

Tgt Ion: 117 Resp: 162885
 Ion Ratio Lower Upper
 117 100
 82 60.0 48.9 73.3
 119 32.1 26.2 39.4

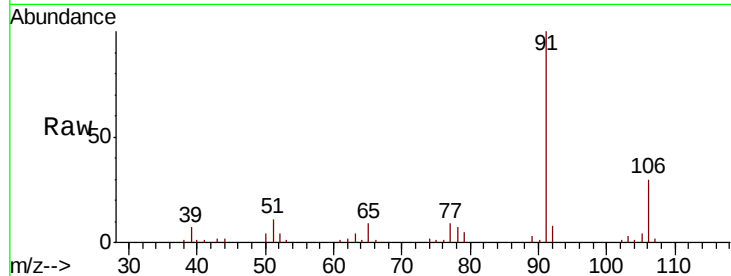




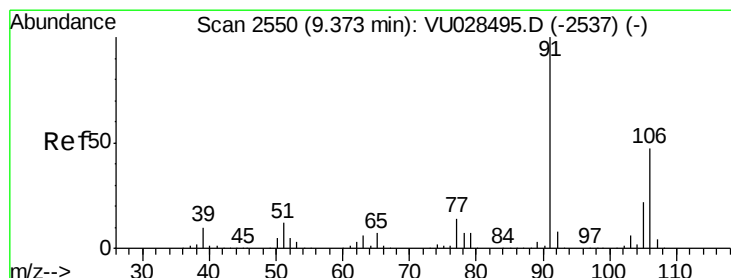
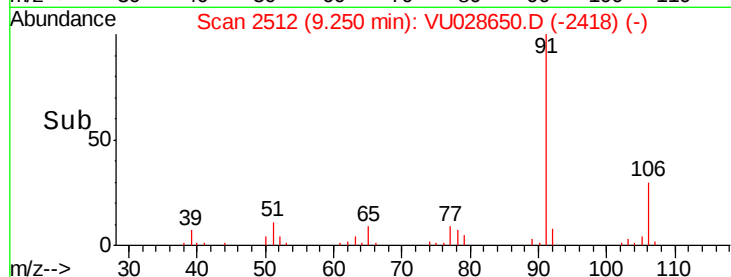
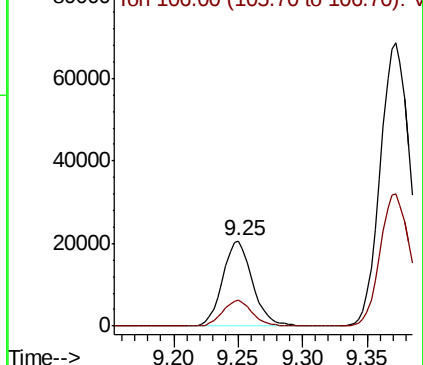
#67
Ethyl Benzene
Concen: 5.274 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028650.D
Acq: 12 Dec 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion: 91 Resp: 33649
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

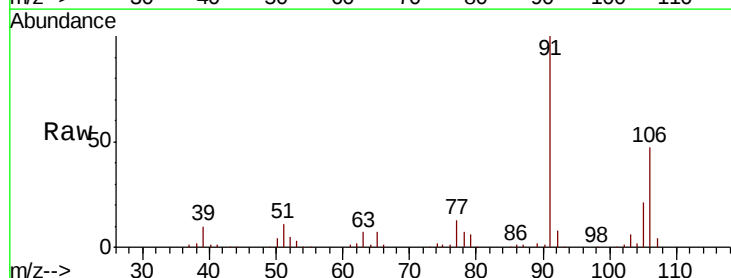


Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2497) (-)
Ion 106.00 (105.70 to 106.70): VU028495.D (-2497) (-)

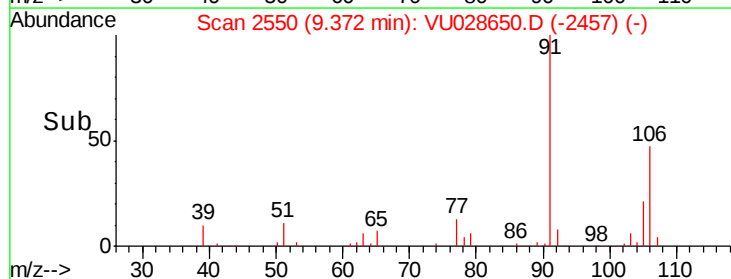
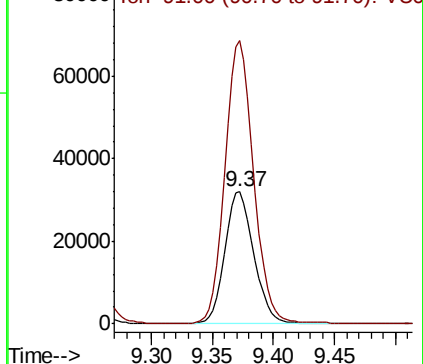


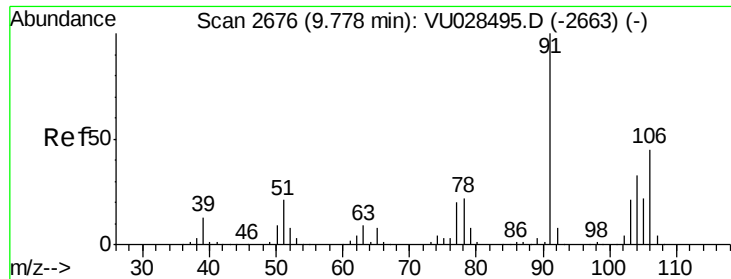
#68
m/p-Xylenes
Concen: 23.123 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028650.D
Acq: 12 Dec 2018 14:22

Tgt Ion: 106 Resp: 53686
Ion Ratio Lower Upper
106 100
91 208.7 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028495.D (-2537) (-)
Ion 91.00 (90.70 to 91.70): VU028495.D (-2537) (-)

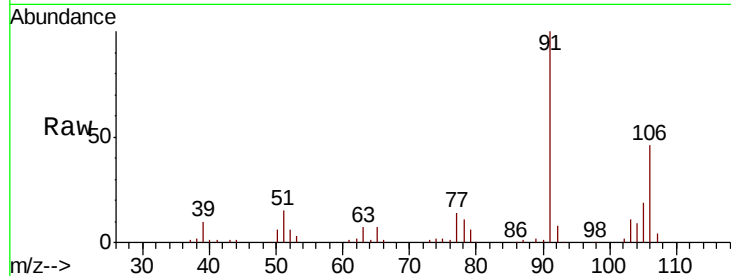




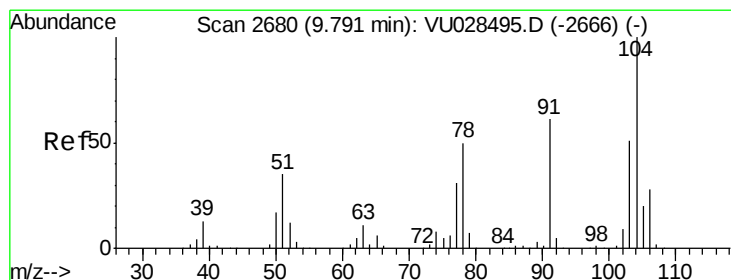
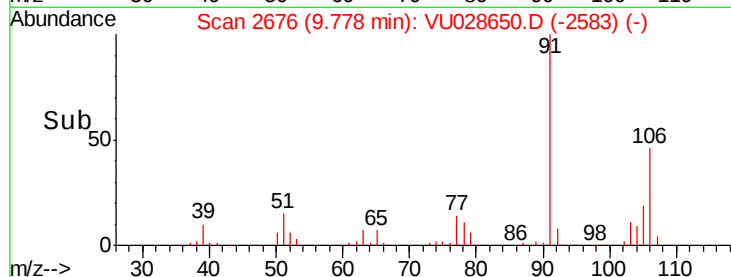
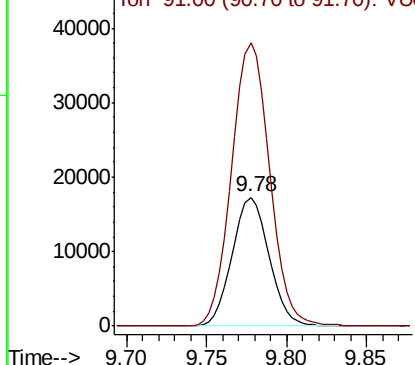
#69
o-Xylene
Concen: 12.035 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028650.D
Acq: 12 Dec 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:106 Resp: 27154
Ion Ratio Lower Upper
106 100
91 227.3 111.3 334.0

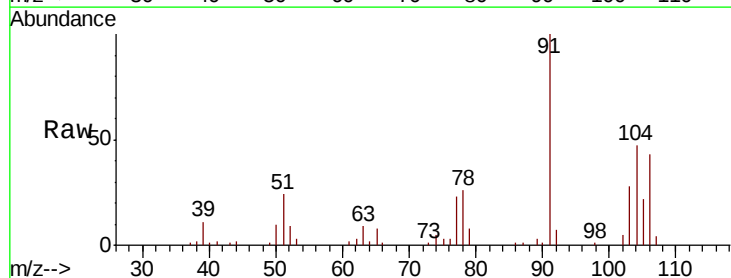


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

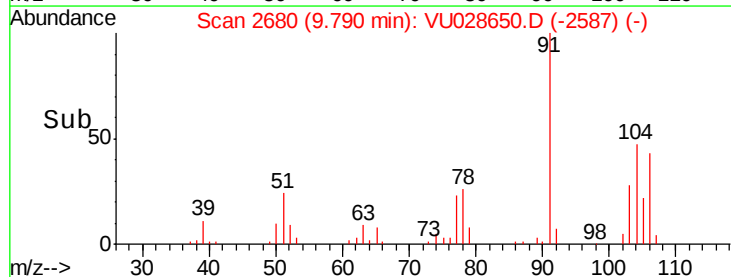
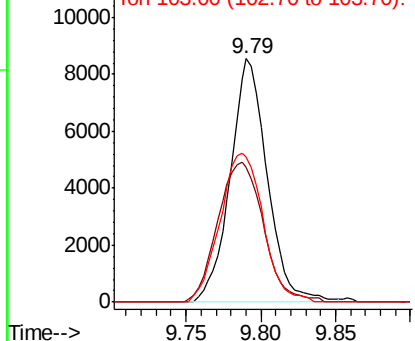


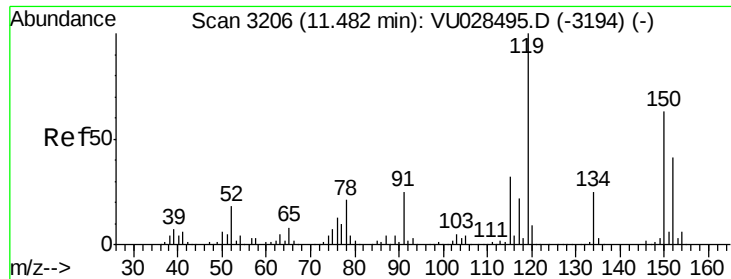
#70
Styrene
Concen: 3.957 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028650.D
Acq: 12 Dec 2018 14:22

Tgt Ion:104 Resp: 14775
Ion Ratio Lower Upper
104 100
78 70.4 43.0 64.6#
103 70.9 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028650.D

Acq: 12 Dec 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

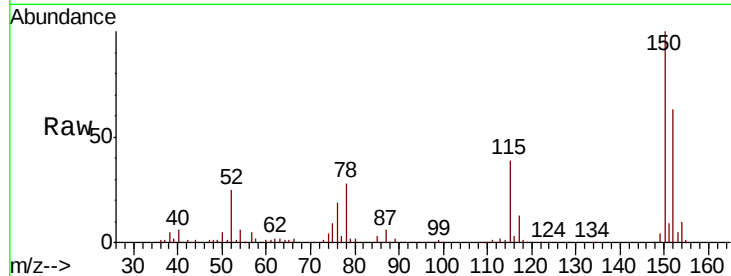
Tot Ion:152 Resp: 68634

Ion Ratio Lower Upper

152 100

115 60.5 42.7 128.1

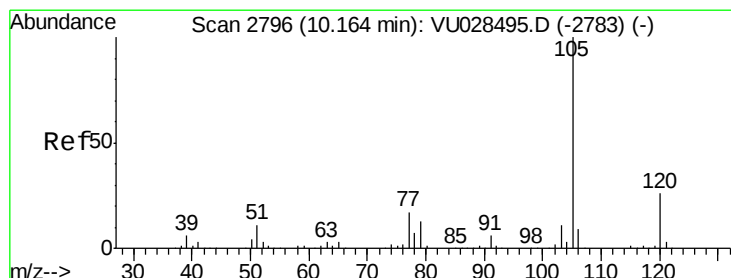
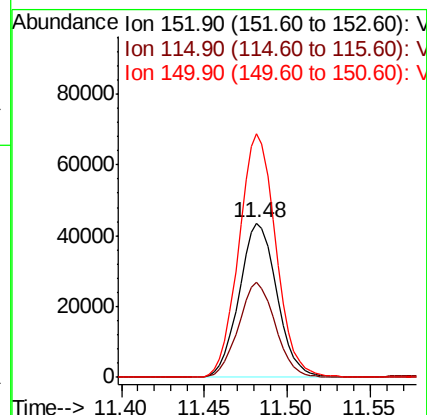
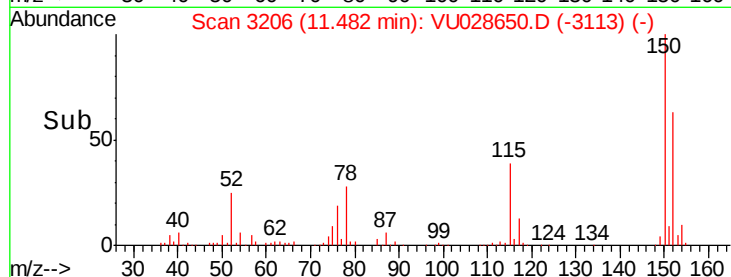
150 155.7 0.0 346.0



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: 0.652 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028650.D

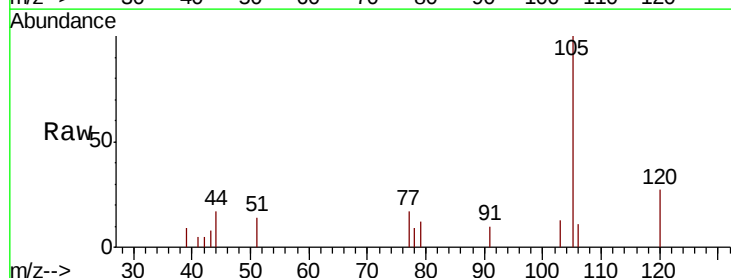
Acq: 12 Dec 2018 14:22

Tgt Ion:105 Resp: 3436

Ion Ratio Lower Upper

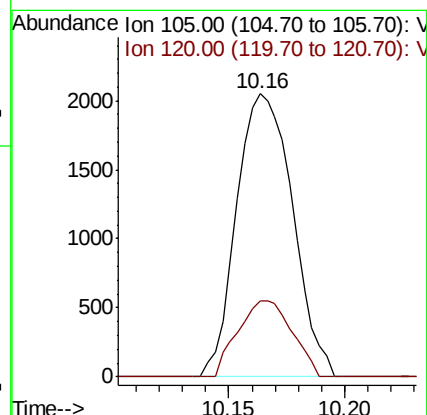
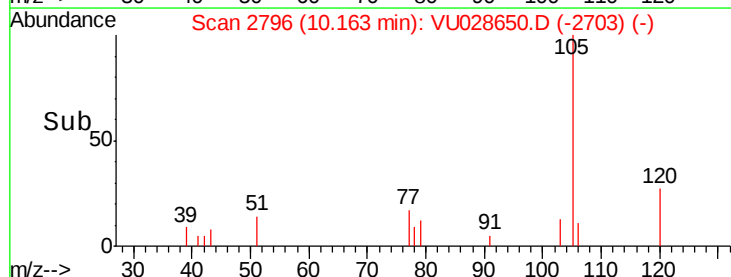
105 100

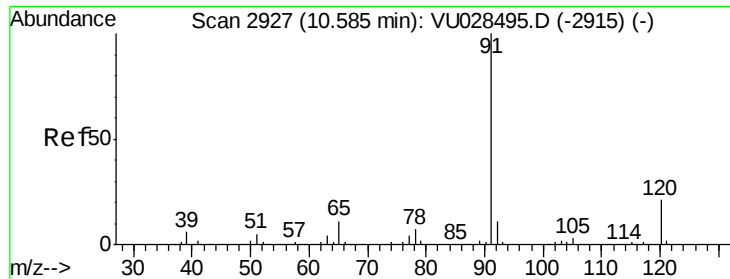
120 26.1 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.395 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028650.D

Acq: 12 Dec 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

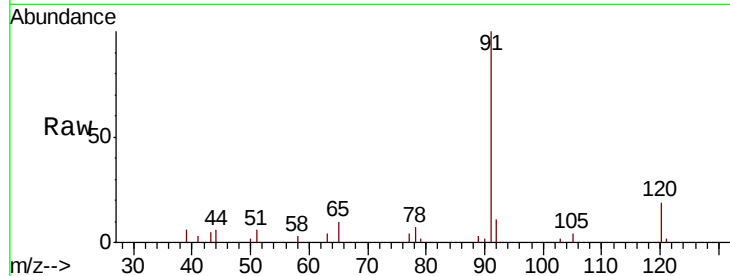
P001-SW001-01DL

Tot Ion: 91 Resp: 9130

Ion Ratio Lower Upper

91 100

120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2915) (-)

10.59

6000

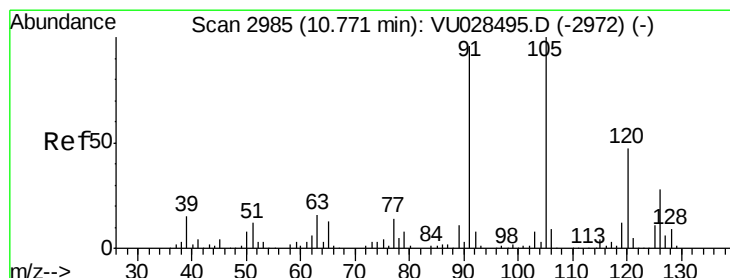
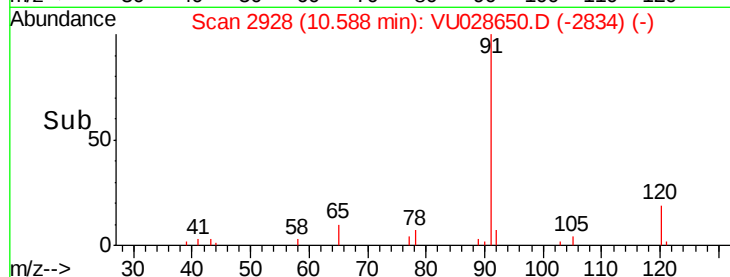
4000

2000

0

10.55 10.60 10.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.278 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028650.D

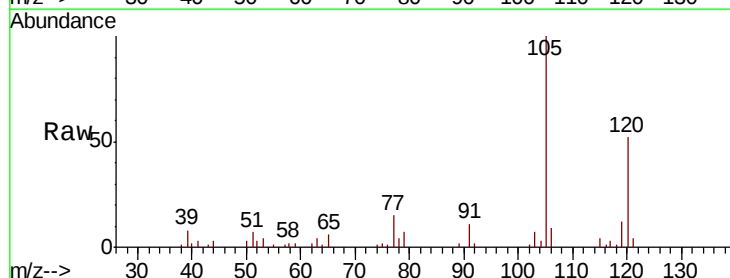
Acq: 12 Dec 2018 14:22

Tgt Ion: 105 Resp: 18650

Ion Ratio Lower Upper

105 100

120 50.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

10.77

15000

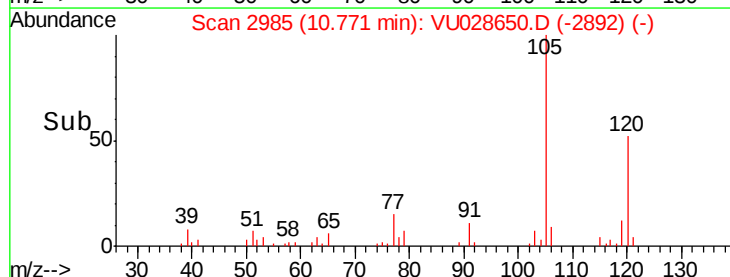
10000

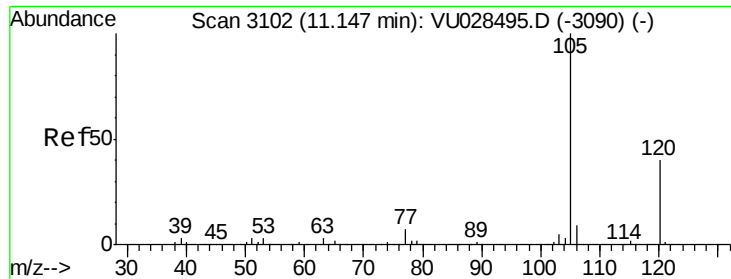
5000

0

10.70 10.75 10.80

Time-->

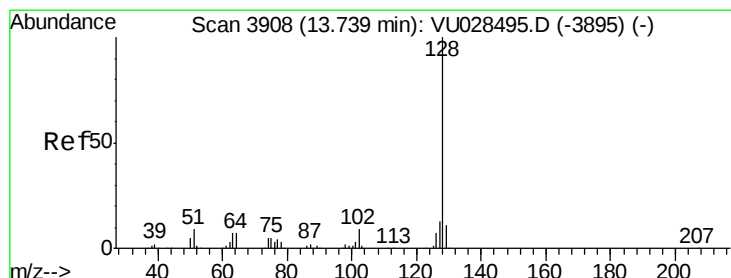
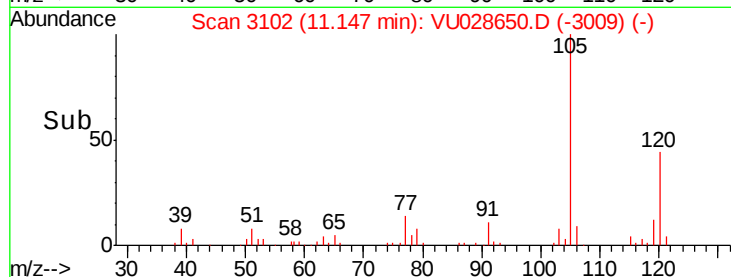
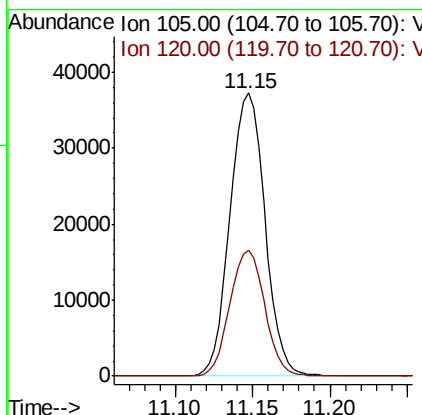
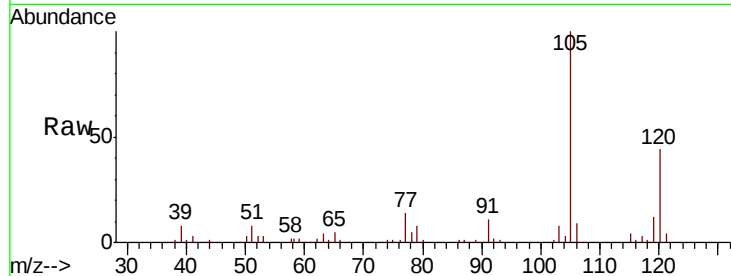




#84
 1,2,4-Trimethylbenzene
 Concen: 13.028 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

Tot Ion:105 Resp: 58534
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.8 65.4



#95
 Naphthalene
 Concen: 2.746 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.01 min
 Lab File: VU028650.D
 Acq: 12 Dec 2018 14:22

Tgt Ion:128 Resp: 15331
 Ion Ratio Lower Upper
 128 100
 127 10.2 10.4 15.6#
 129 10.5 8.6 13.0

