

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025194.D
 Acq On : 03 Jul 2018 17:04
 Operator : MD/SY
 Sample : J3783-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0147

Quant Time: Jul 05 09:06:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	205377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309199	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163828	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	154769	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
35) Dibromofluoromethane	4.89	113	118778	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
50) Toluene-d8	7.57	98	445260	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	10.31	95	172552	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

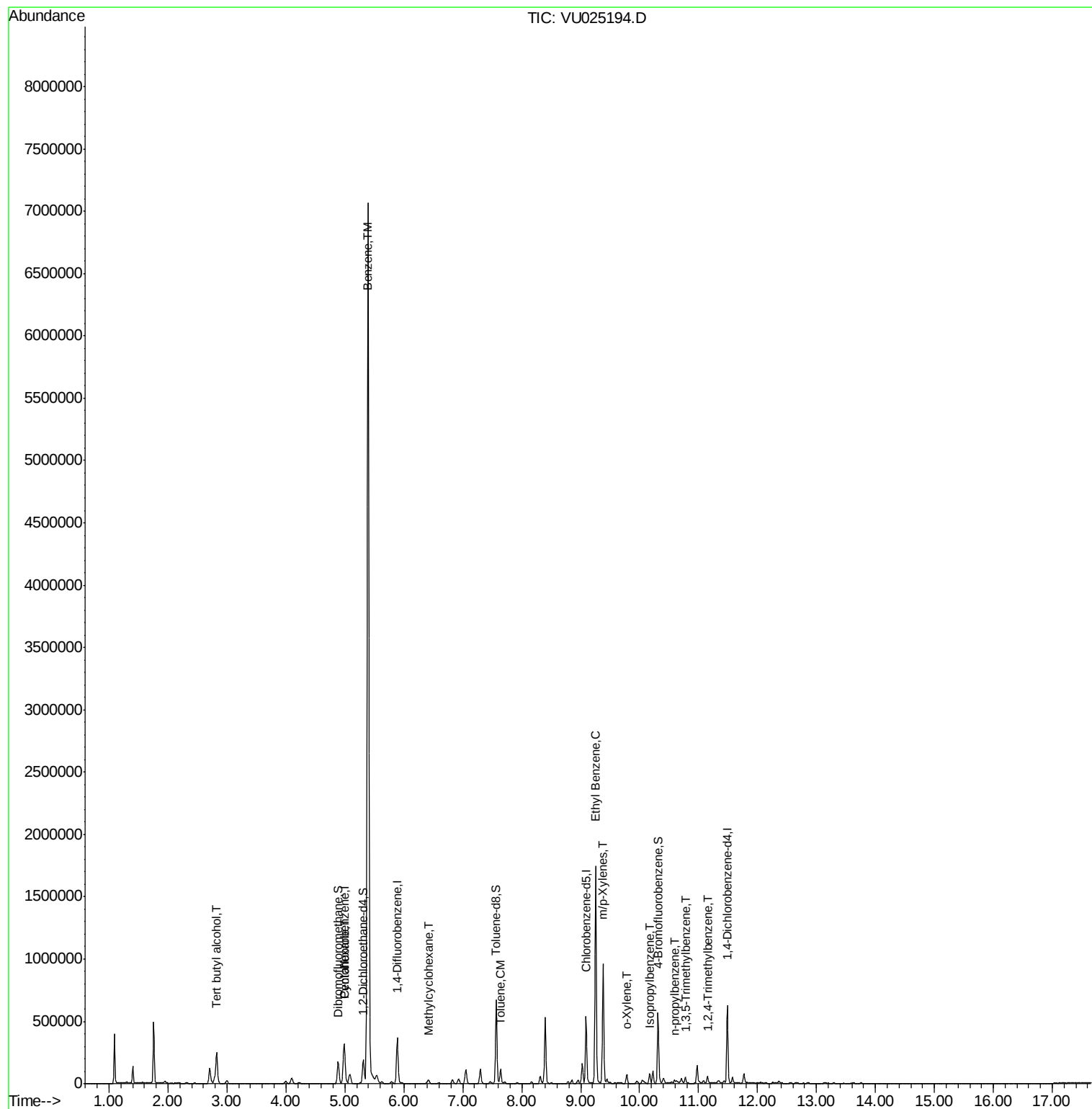
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	284857	349.331	ug/l	100
31) Cyclohexane	5.00	56	42185	7.933	ug/l #	89
39) Methylcyclohexane	6.42	83	12807	2.825	ug/l #	87
40) Benzene	5.39	78	6871906	663.759	ug/l	99
52) Toluene	7.64	92	47943	7.198	ug/l	97
67) Ethyl Benzene	9.25	91	1202805	92.340	ug/l	98
68) m/p-Xylenes	9.38	106	266872	53.354	ug/l	99
69) o-Xylene	9.78	106	19773	3.994	ug/l	99
73) Isopropylbenzene	10.17	105	51517	4.096	ug/l	99
78) n-propylbenzene	10.59	91	20265	1.368	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	28309	2.597	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	32295	2.907	ug/l	99

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

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Instrument :
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Quant Time: Jul 05 09:06:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

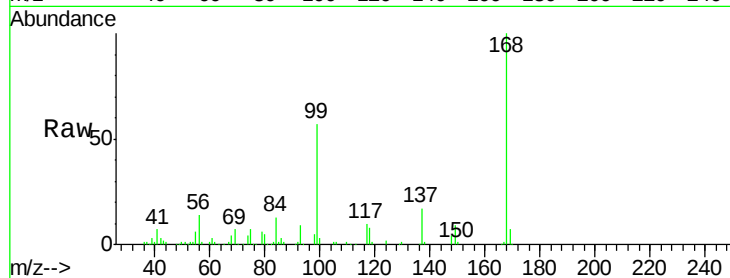
S10-0147

Tot Ion:168 Resp: 205377

Ion Ratio Lower Upper

168 100

99 56.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

100000

80000

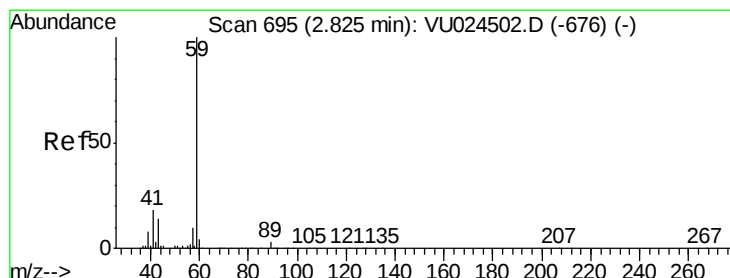
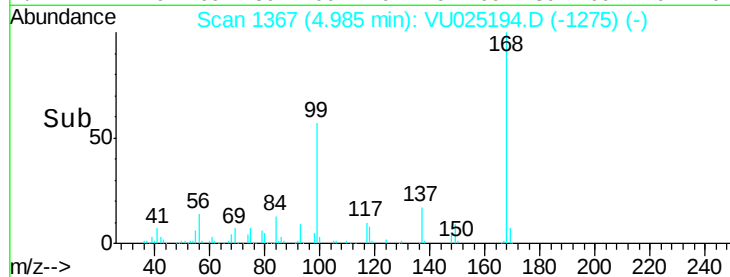
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 349.331 ug/l

RT: 2.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VU025194.D

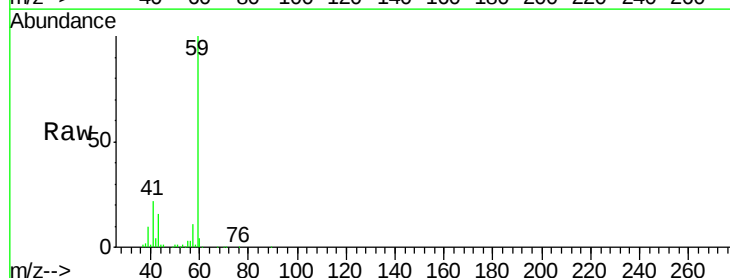
Acq: 03 Jul 2018 17:04

Tgt Ion: 59 Resp: 284857

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.82

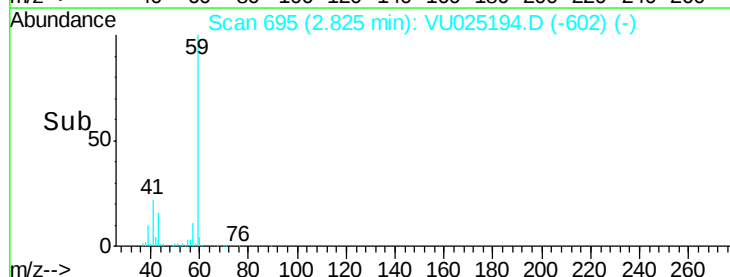
150000

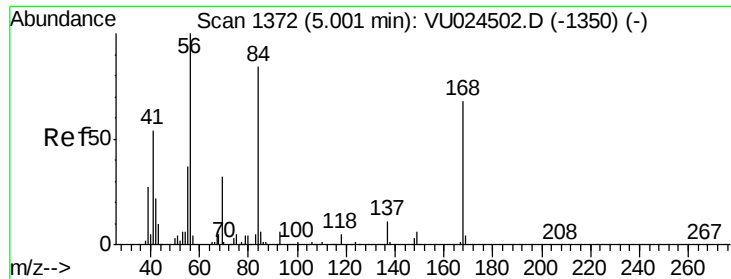
100000

50000

0

Time-->

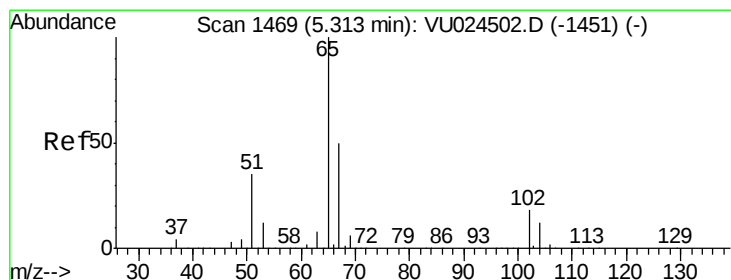
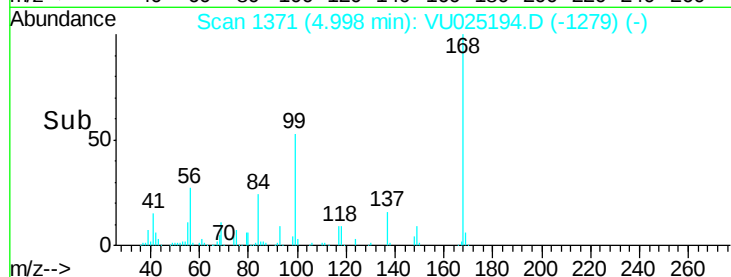
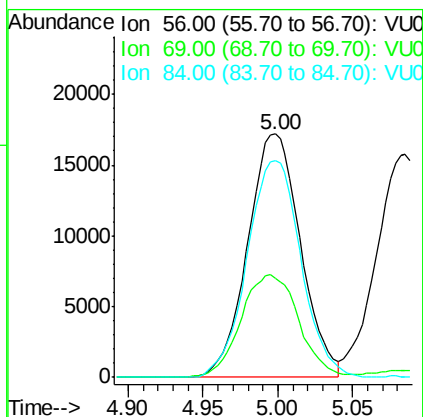
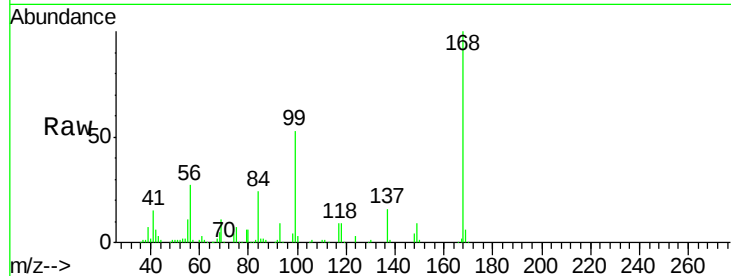




#31
Cyclohexane
Concen: 7.933 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025194.D
Acq: 03 Jul 2018 17:04

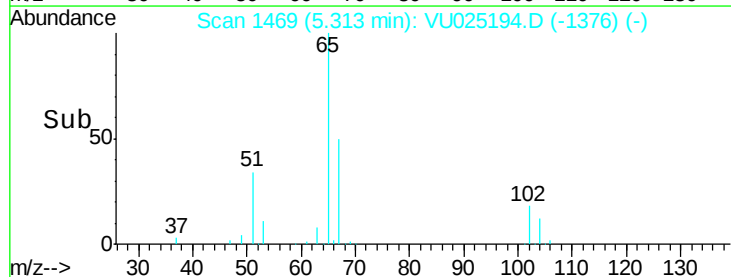
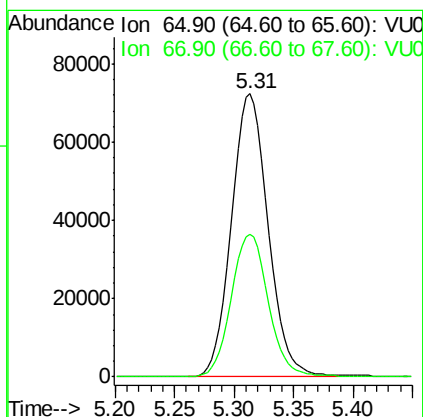
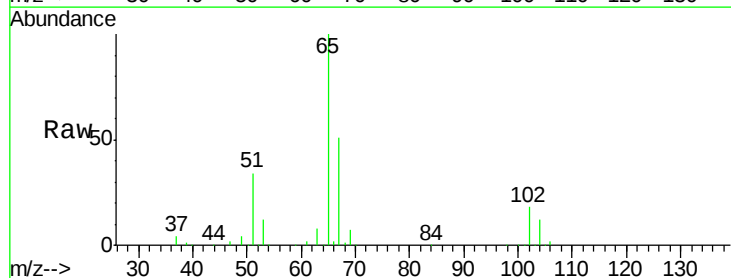
Instrument :
MSVOA_U
ClientSampleId :
S10-0147

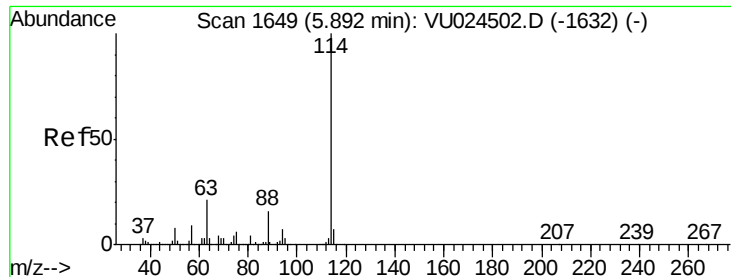
Tot Ion: 56 Resp: 42185
Ion Ratio Lower Upper
56 100
69 40.7 24.8 37.2#
84 89.1 65.2 97.8



#33
1,2-Dichloroethane-d4
Concen: 46.161 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025194.D
Acq: 03 Jul 2018 17:04

Tgt Ion: 65 Resp: 154769
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

S10-0147

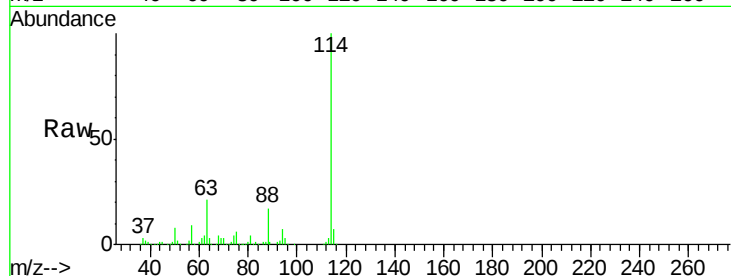
Tot Ion:114 Resp: 309199

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

88 16.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

200000

150000

100000

50000

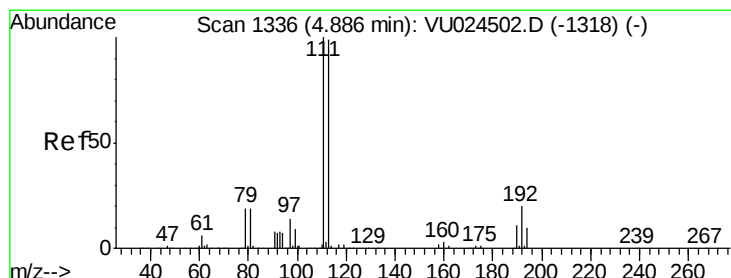
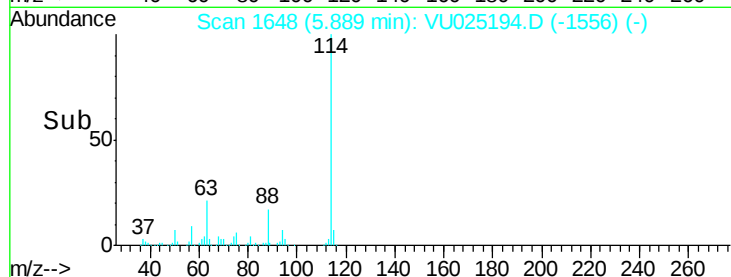
0

5.80

5.89

6.00

Time-->



#35

Dibromofluoromethane

Concen: 46.287 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

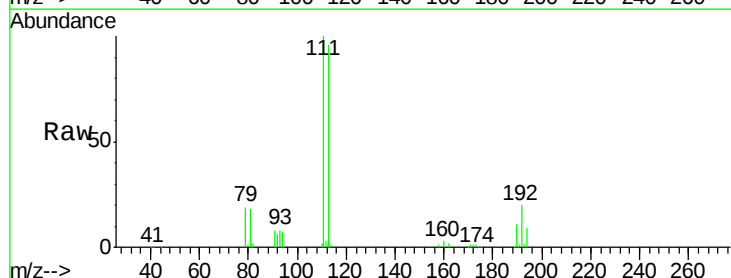
Tgt Ion:113 Resp: 118778

Ion Ratio Lower Upper

113 100

111 104.9 82.2 123.4

192 21.1 16.2 24.4



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

60000

40000

20000

0

4.80

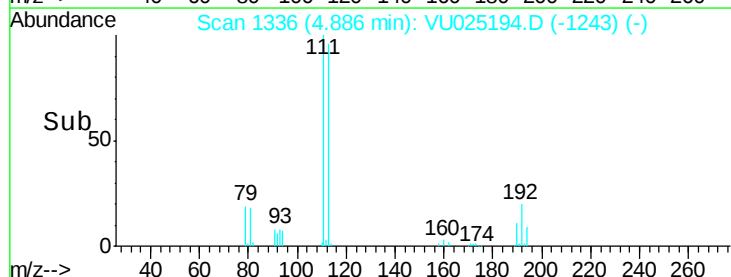
4.85

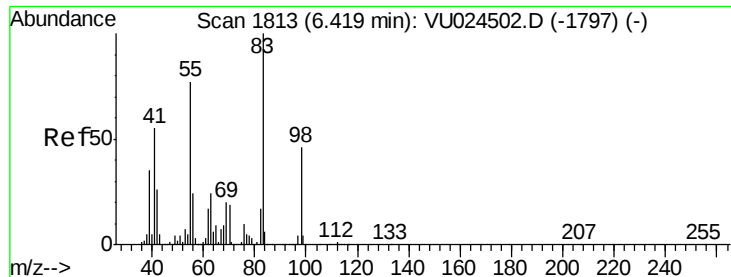
4.89

4.95

5.00

Time-->

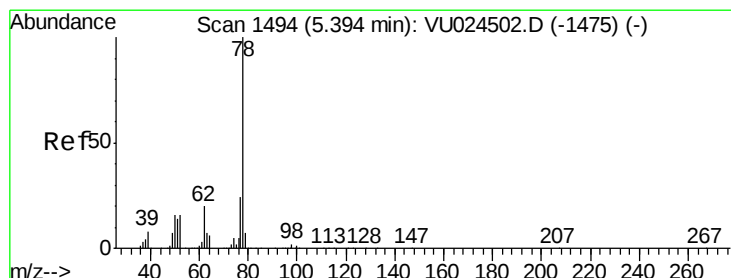
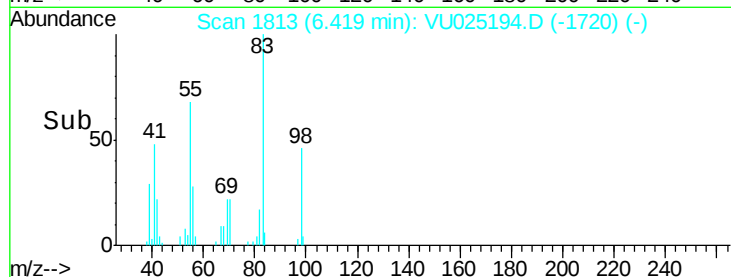
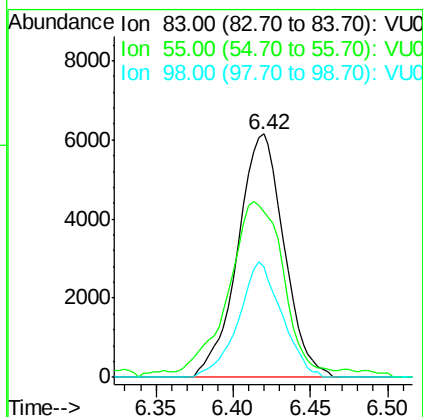
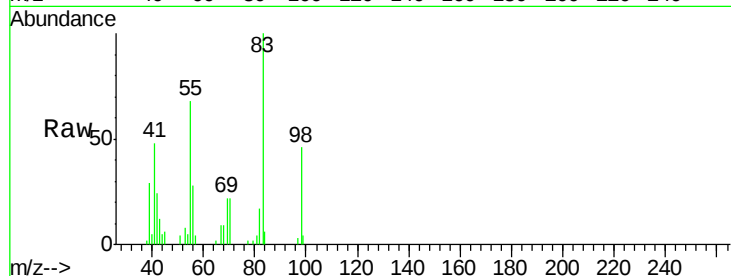




#39
Methvlcvclohexane
Concen: 2.825 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025194.D
Acq: 03 Jul 2018 17:04

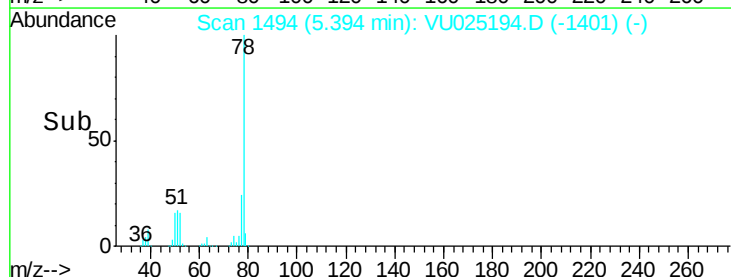
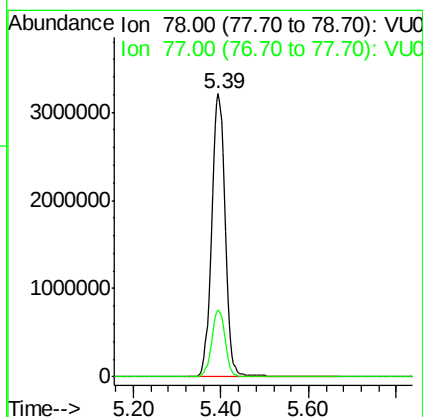
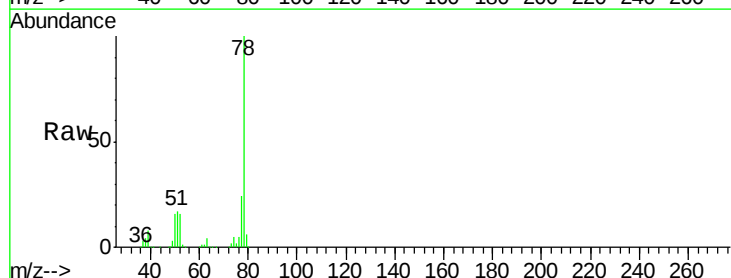
Instrument :
MSVOA_U
ClientSampleId :
S10-0147

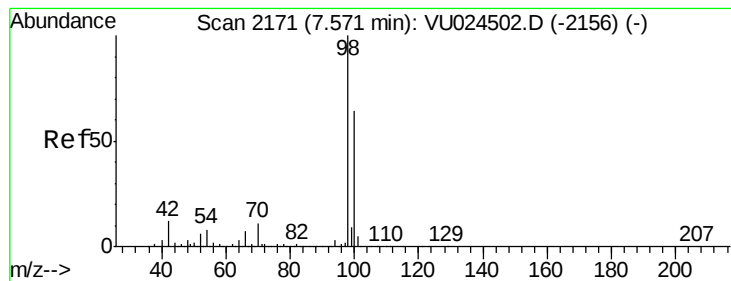
Tot Ion: 83 Resp: 12807
Ion Ratio Lower Upper
83 100
55 64.9 65.8 98.6#
98 45.5 36.7 55.1



#40
Benzene
Concen: 663.759 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025194.D
Acq: 03 Jul 2018 17:04

Tgt Ion: 78 Resp: 6871906
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#50

Toluene-d8

Concen: 47.570 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

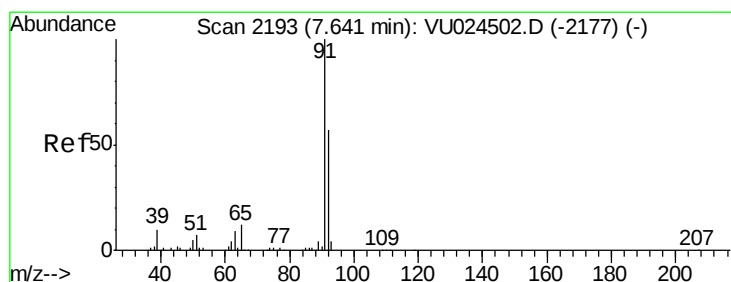
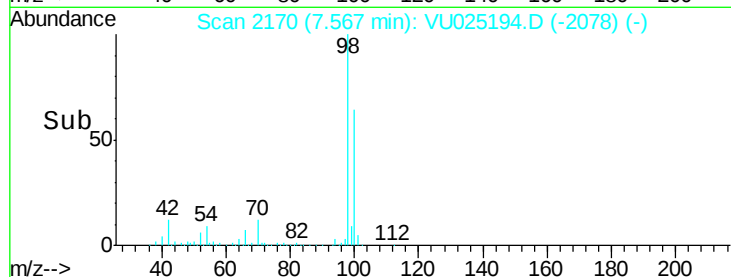
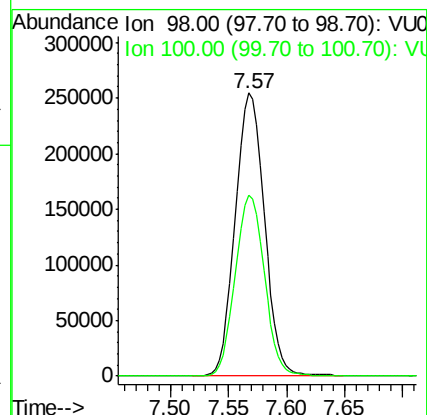
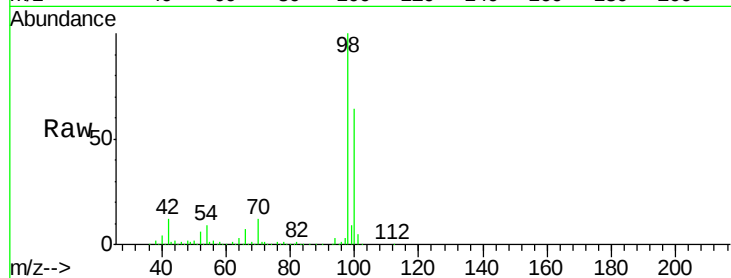
S10-0147

Tot Ion: 98 Resp: 445260

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#52

Toluene

Concen: 7.198 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025194.D

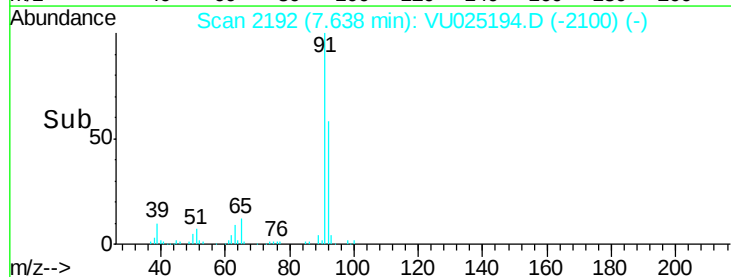
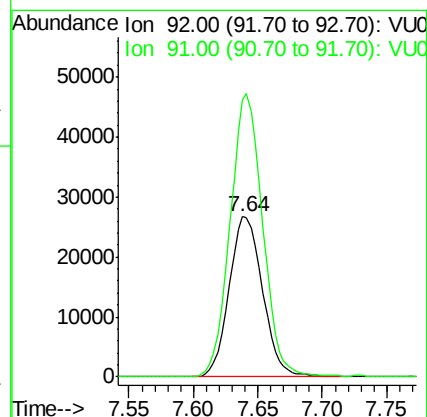
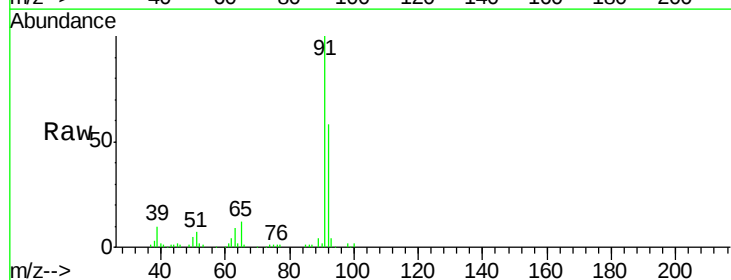
Acq: 03 Jul 2018 17:04

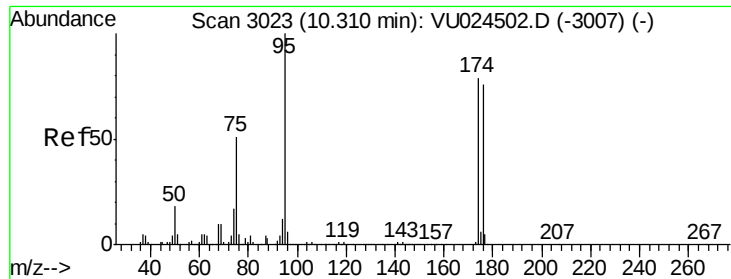
Tgt Ion: 92 Resp: 47943

Ion Ratio Lower Upper

92 100

91 172.0 140.5 210.7





#62

4-Bromofluorobenzene

Concen: 46.430 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampled :

S10-0147

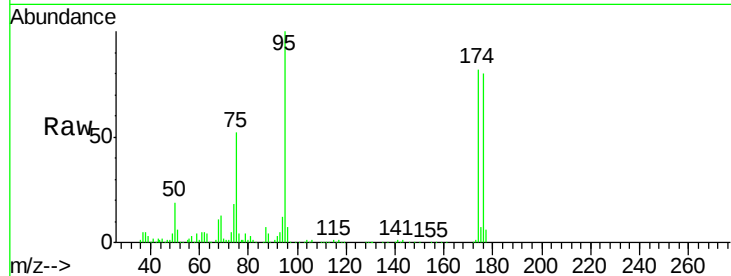
Tot Ion: 95 Resp: 172552

Ion Ratio Lower Upper

95 100

174 84.1 0.0 165.8

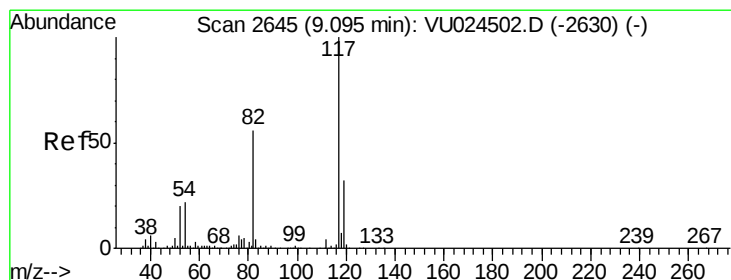
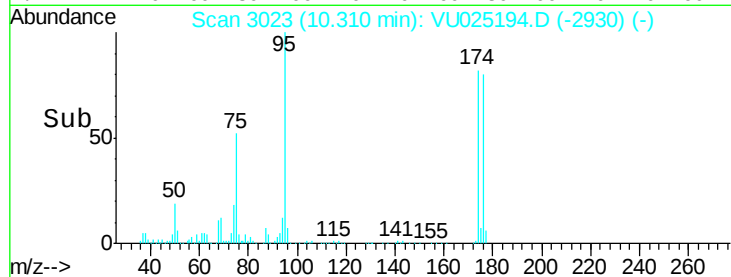
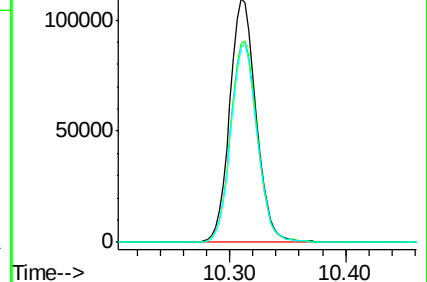
176 81.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025194.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025194.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025194.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

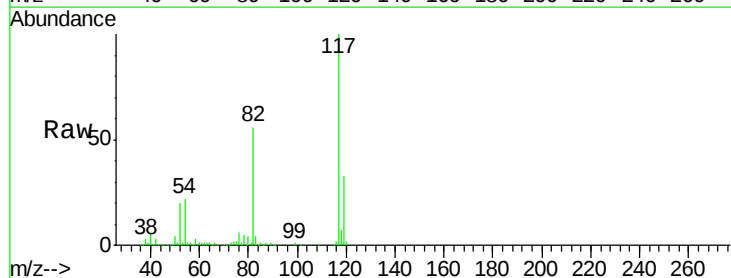
Tgt Ion: 117 Resp: 290855

Ion Ratio Lower Upper

117 100

82 56.1 44.3 66.5

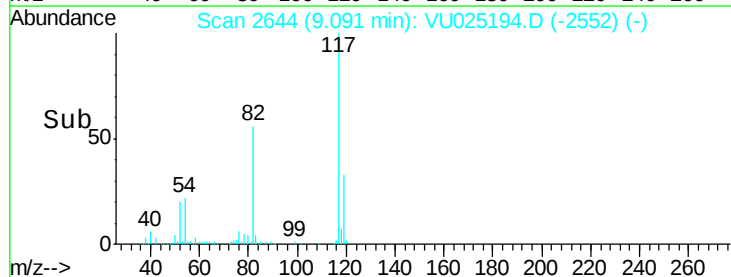
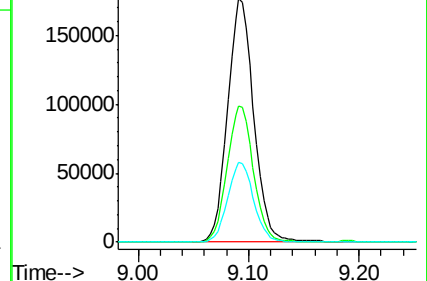
119 32.6 25.4 38.2

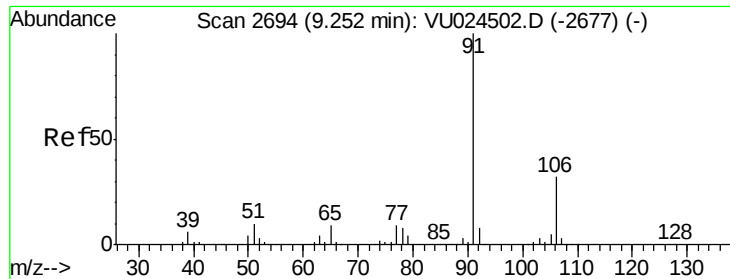


Abundance Ion 116.90 (116.60 to 117.60): VU025194.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025194.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025194.D (-2552) (-)





#67

Ethyl Benzene

Concen: 92.340 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampled :

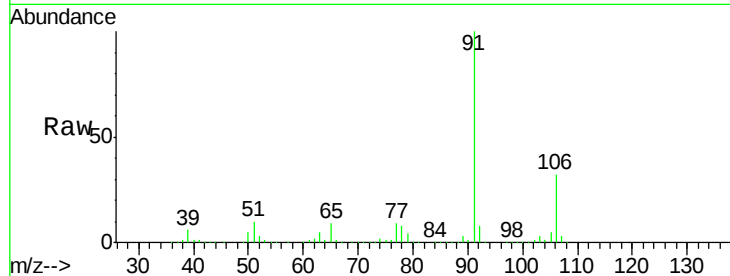
S10-0147

Tot Ion: 91 Resp: 1202805

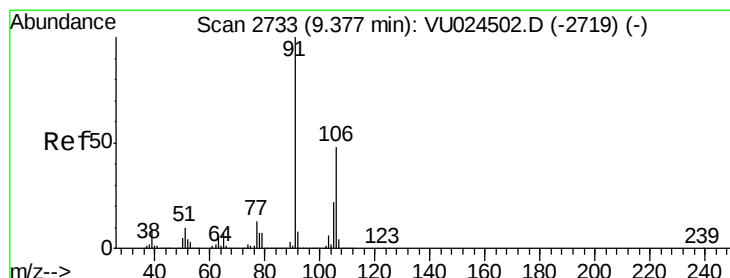
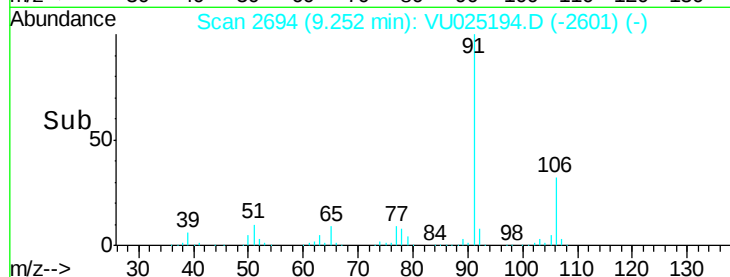
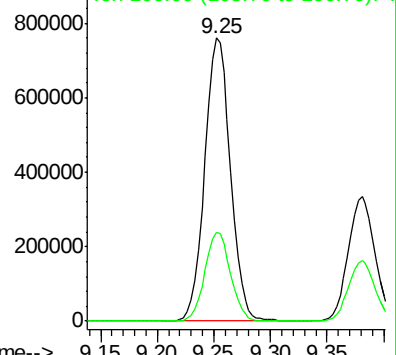
Ion Ratio Lower Upper

91 100

106 31.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU025194.D (-2601) (-)



#68

m/p-Xylenes

Concen: 53.354 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025194.D

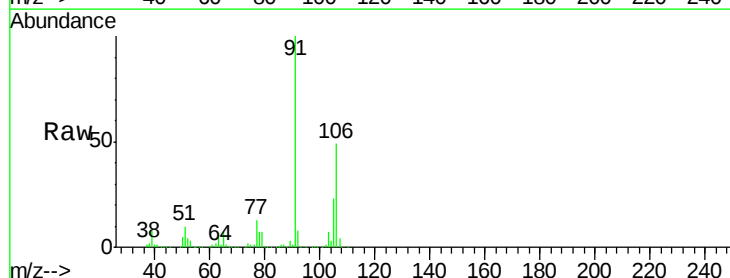
Acq: 03 Jul 2018 17:04

Tgt Ion: 106 Resp: 266872

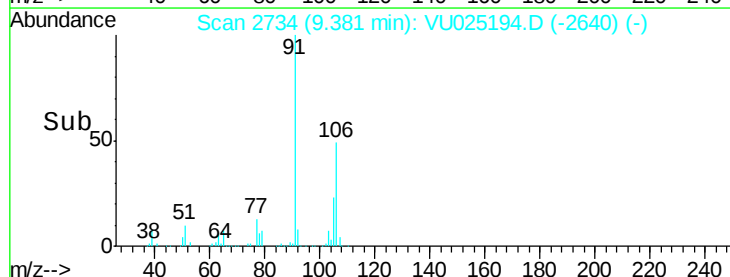
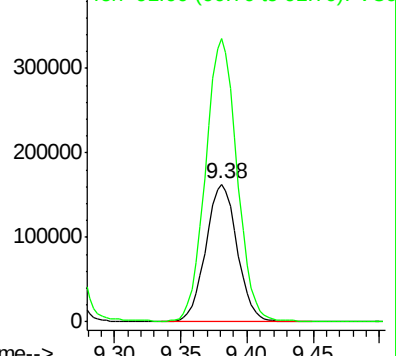
Ion Ratio Lower Upper

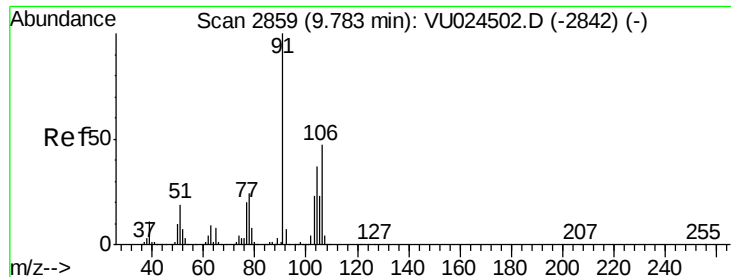
106 100

91 207.0 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU025194.D (-2640) (-)

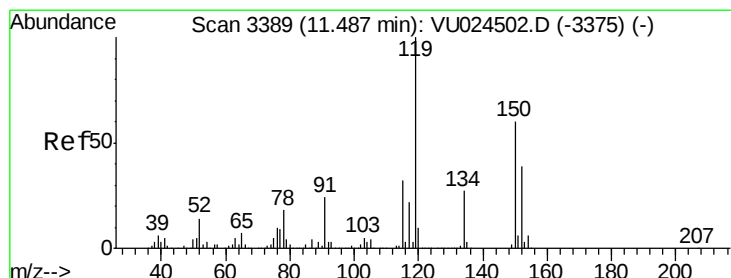
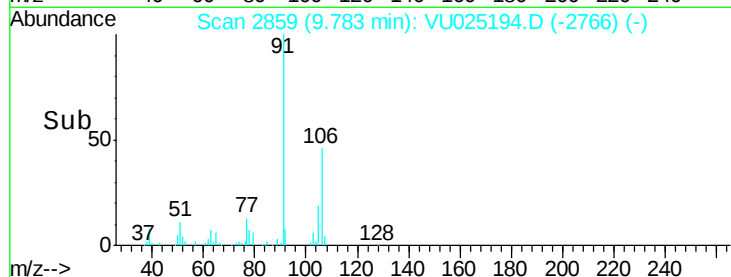
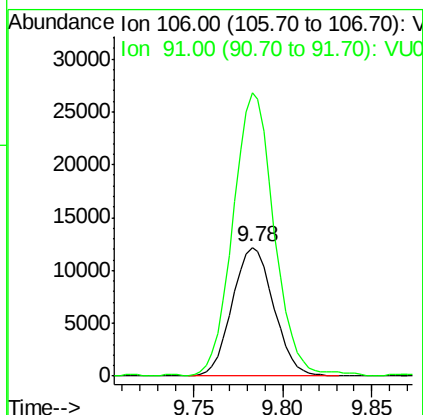
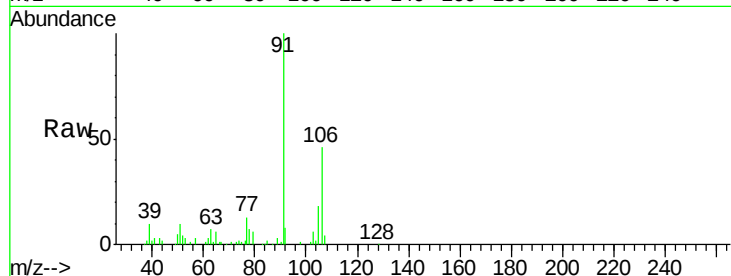




#69
o-Xylene
Concen: 3.994 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025194.D
Acq: 03 Jul 2018 17:04

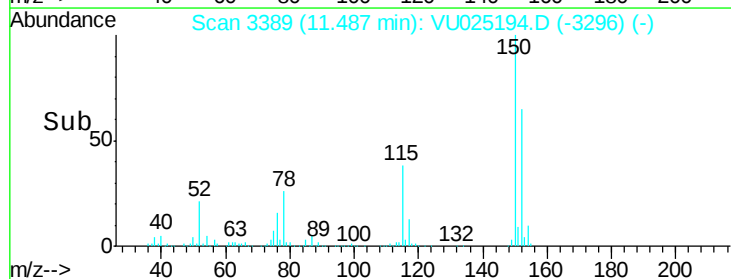
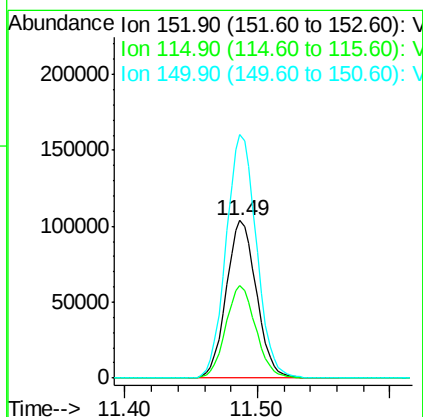
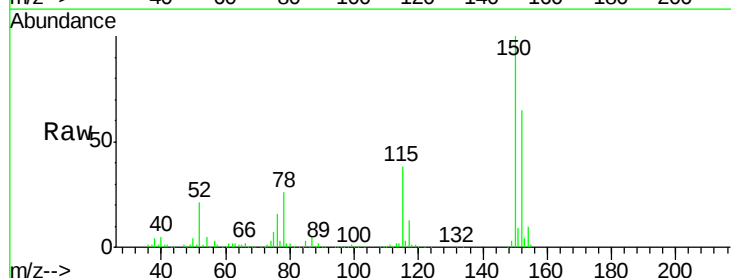
Instrument :
MSVOA_U
ClientSampleId :
S10-0147

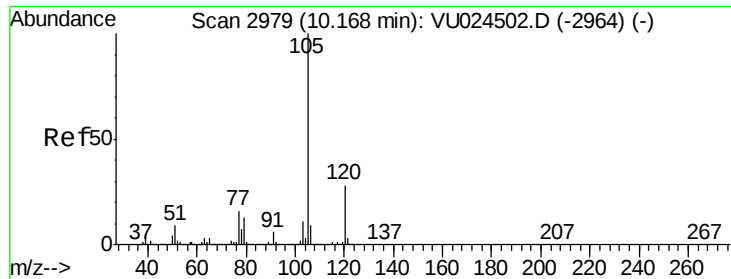
Tot Ion:106 Resp: 19773
Ion Ratio Lower Upper
106 100
91 218.9 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025194.D
Acq: 03 Jul 2018 17:04

Tgt Ion:152 Resp: 163828
Ion Ratio Lower Upper
152 100
115 57.9 43.0 129.0
150 155.9 0.0 354.0





#73

Isopropylbenzene

Concen: 4.096 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampled :

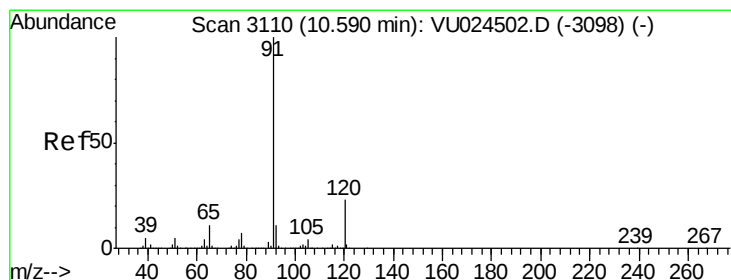
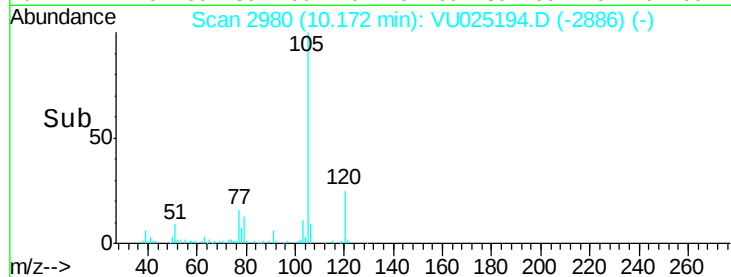
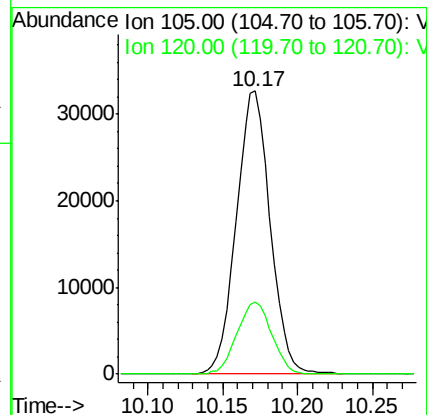
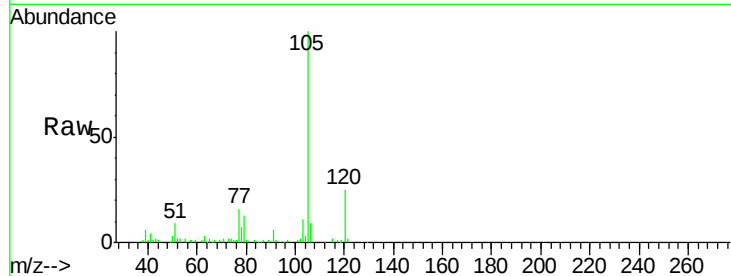
S10-0147

Tot Ion:105 Resp: 51517

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#78

n-propylbenzene

Concen: 1.368 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025194.D

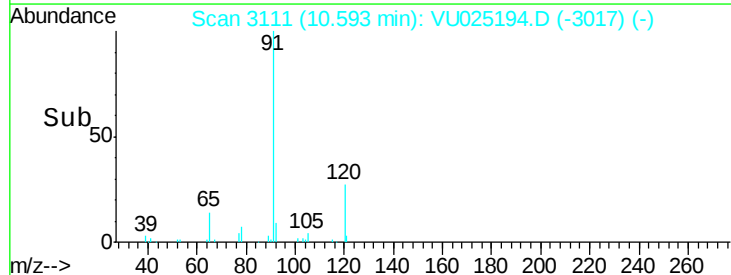
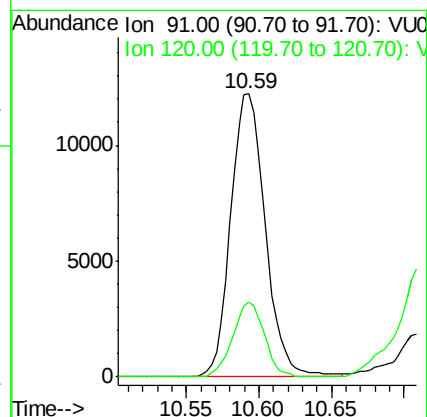
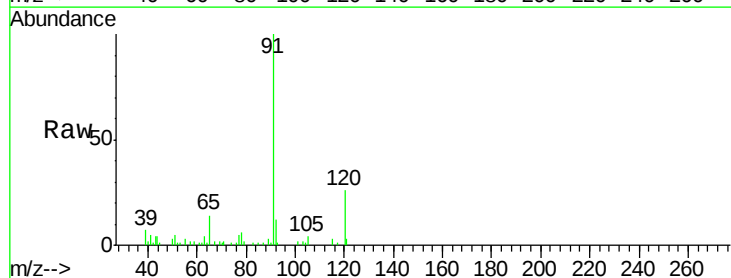
Acq: 03 Jul 2018 17:04

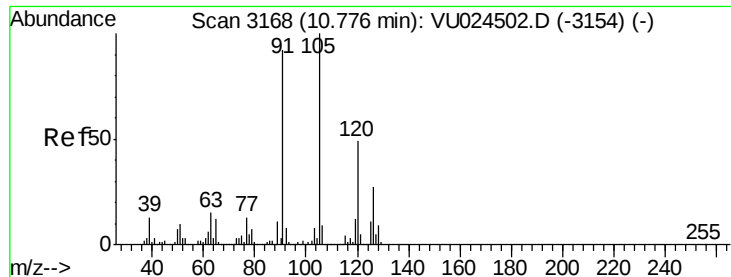
Tgt Ion: 91 Resp: 20265

Ion Ratio Lower Upper

91 100

120 23.9 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 2.597 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025194.D

Acq: 03 Jul 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

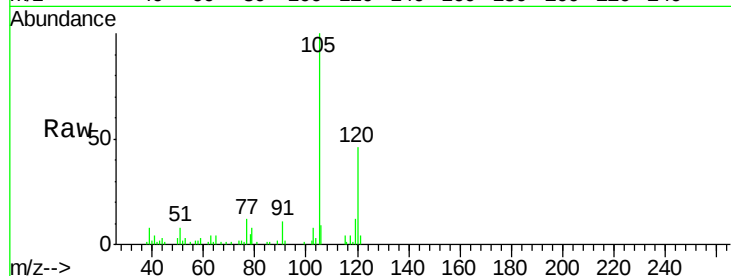
S10-0147

Tot Ion:105 Resp: 28309

Ion Ratio Lower Upper

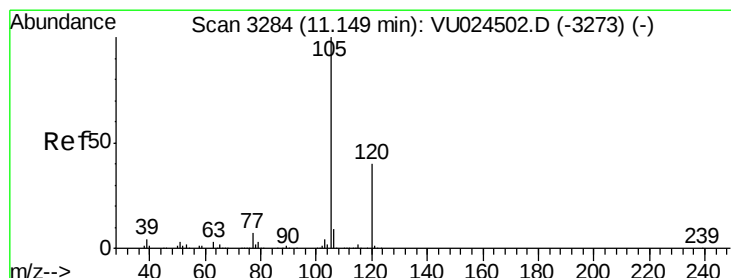
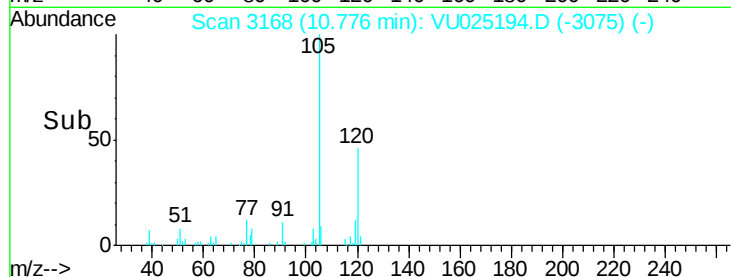
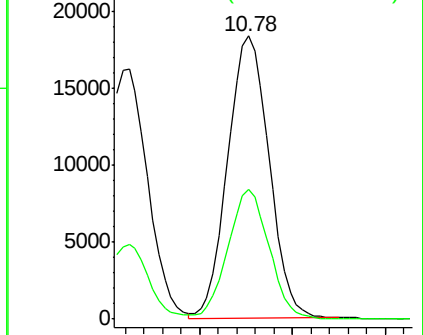
105 100

120 46.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.907 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025194.D

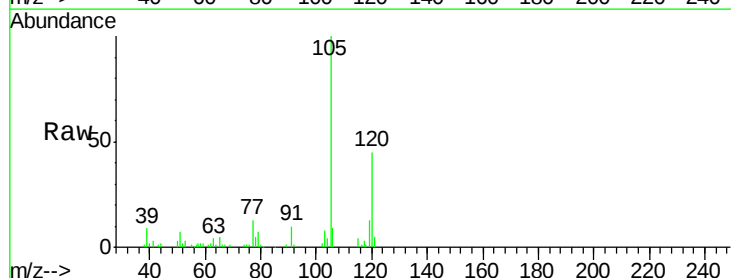
Acq: 03 Jul 2018 17:04

Tgt Ion:105 Resp: 32295

Ion Ratio Lower Upper

105 100

120 45.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

