

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024690.D
 Acq On : 18 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3463-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-9-9.0-061218

Quant Time: Jun 18 18:32:06 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	197030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309497	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	137392	42.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.42%	
35) Dibromofluoromethane	4.89	113	123923	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	7.57	98	458624	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	10.31	95	161445	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	

Target Compounds

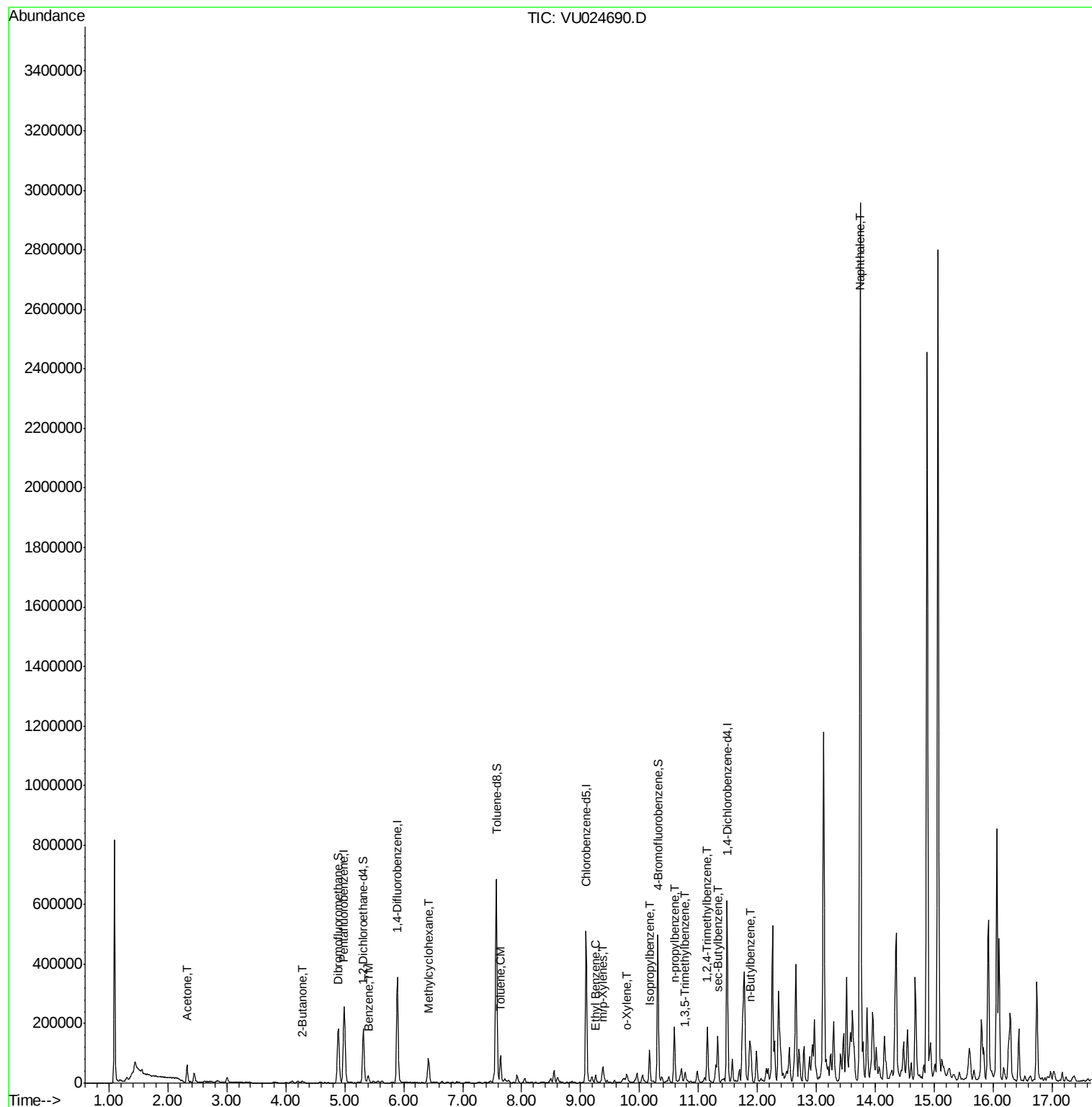
						Qvalue
16) Acetone	2.32	43	58519	33.86	ug/l	96
25) 2-Butanone	4.28	43	7354	3.17	ug/l #	90
39) Methylcyclohexane	6.42	83	34977	7.71	ug/l	94
40) Benzene	5.40	78	21953	2.12	ug/l	99
52) Toluene	7.64	92	38060	5.71	ug/l	100
67) Ethyl Benzene	9.26	91	16139	1.25	ug/l	95
68) m/p-Xylenes	9.38	106	12979	2.61	ug/l	99
69) o-Xylene	9.79	106	7893	1.60	ug/l	99
73) Isopropylbenzene	10.17	105	72253	6.10	ug/l	98
78) n-propylbenzene	10.59	91	146042	10.46	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	17676	1.72	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	98738	9.43	ug/l	99
85) sec-Butylbenzene	11.33	105	102032	8.25	ug/l	97
89) n-Butylbenzene	11.89	91	58058	5.90	ug/l #	73
95) Naphthalene	13.74	128	2253467	196.48	ug/l	99

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

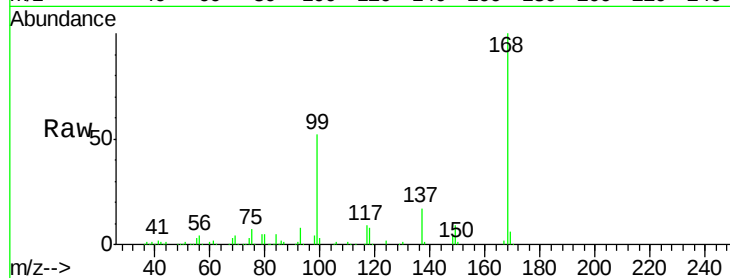
T11-MW-9-9.0-061218

Tot Ion:168 Resp: 197030

Ion Ratio Lower Upper

168 100

99 51.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

80000

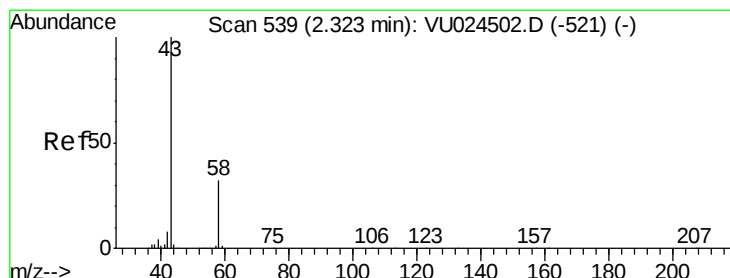
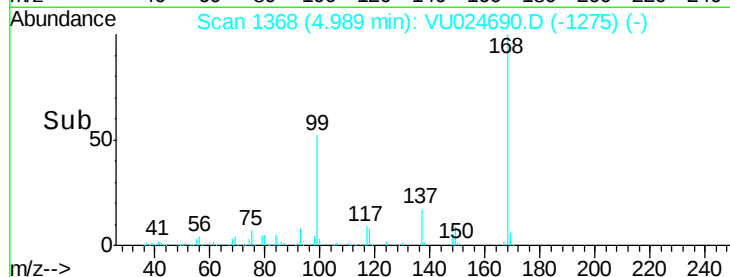
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 33.86 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024690.D

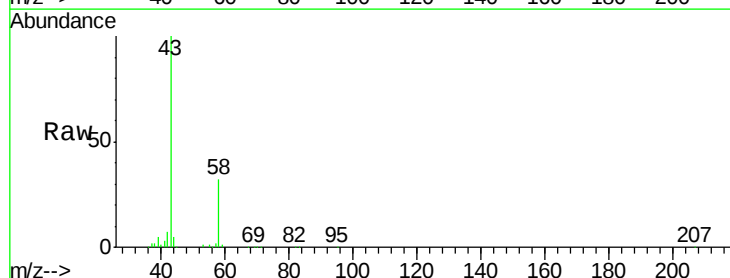
Acq: 18 Jun 2018 14:35

Tgt Ion: 43 Resp: 58519

Ion Ratio Lower Upper

43 100

58 32.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D

Ion 58.00 (57.70 to 58.70): VU024502.D

2.32

40000

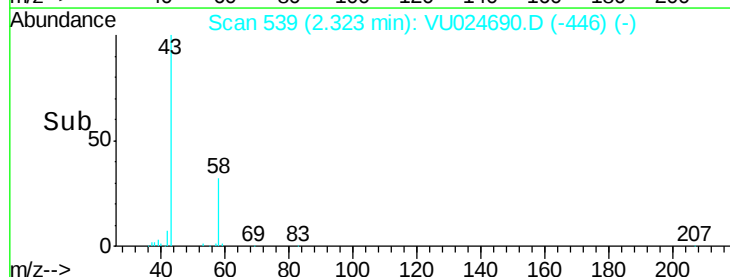
30000

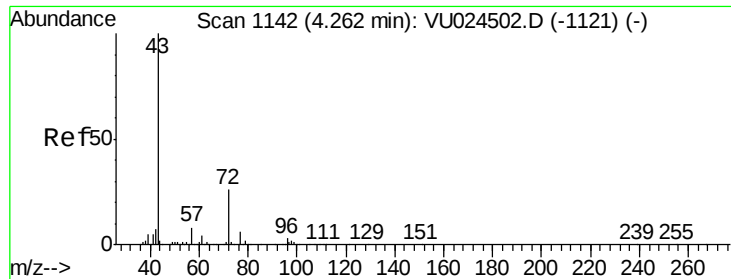
20000

10000

0

Time-->

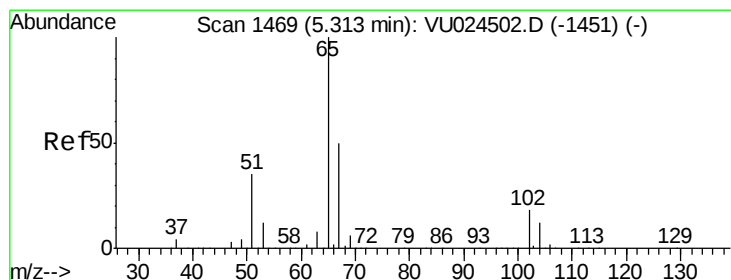
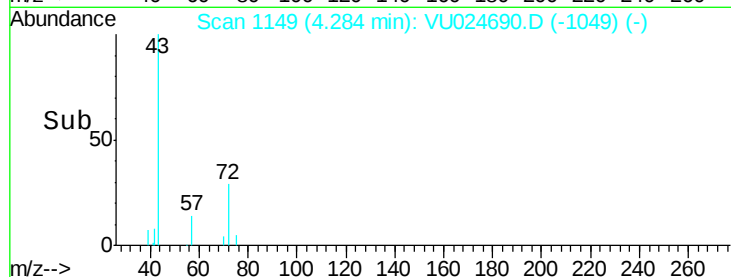
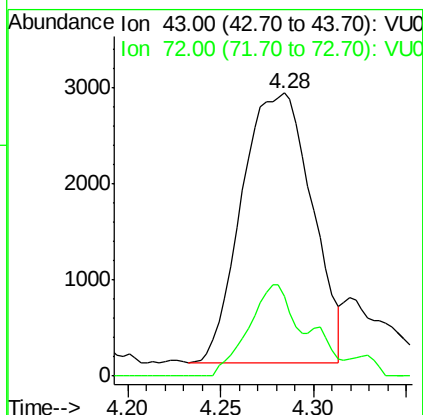
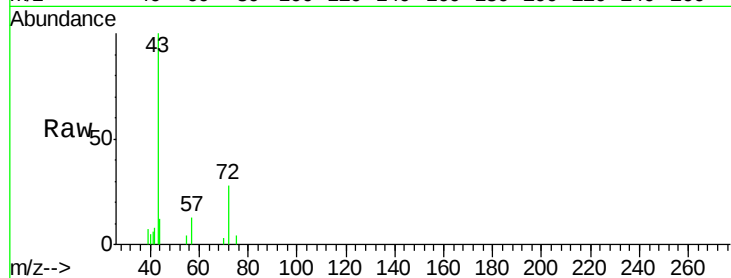




#25
2-Butanone
Concen: 3.17 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

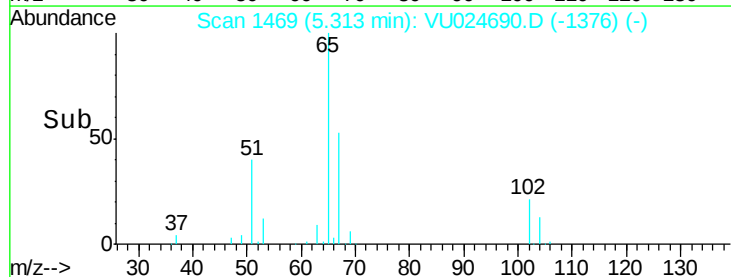
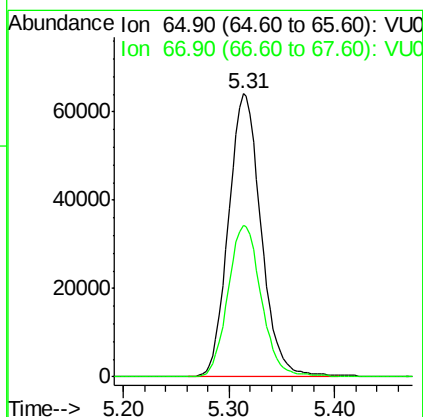
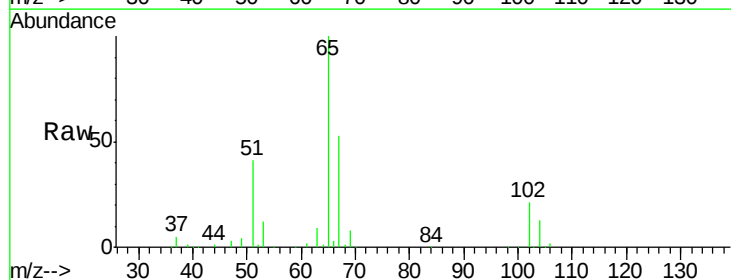
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-9-9.0-061218

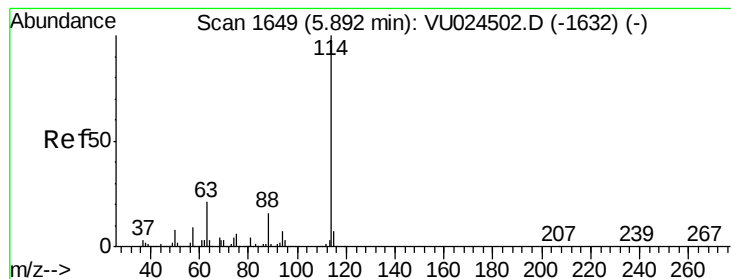
Tot Ion: 43 Resp: 7354
Ion Ratio Lower Upper
43 100
72 29.5 19.6 29.4#



#33
1,2-Dichloroethane-d4
Concen: 42.71 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

Tgt Ion: 65 Resp: 137392
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-9-9.0-061218

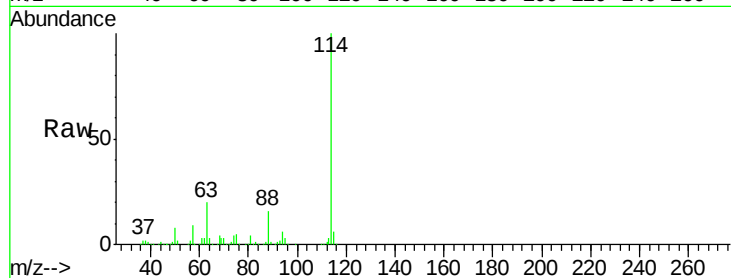
Tot Ion:114 Resp: 309497

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

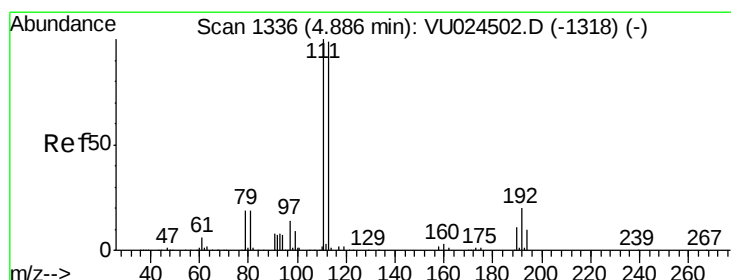
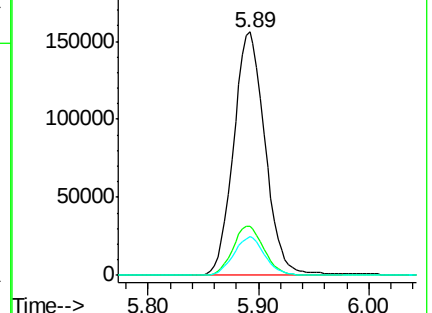
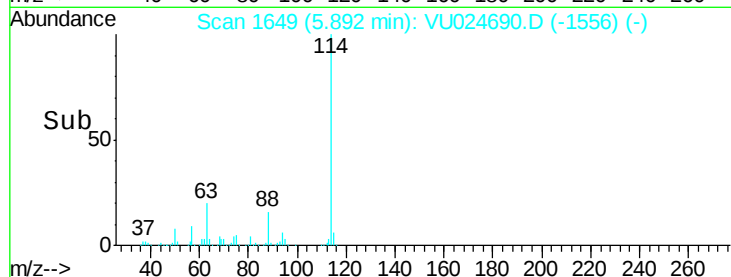
88 15.7 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 48.25 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

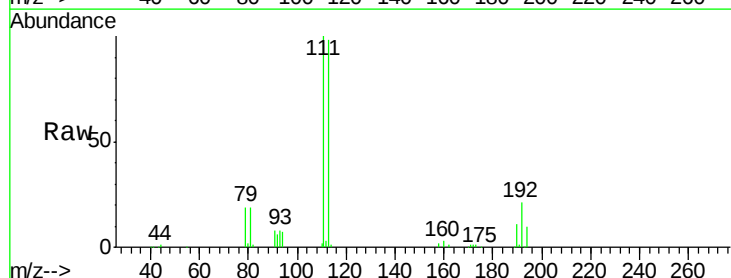
Tgt Ion:113 Resp: 123923

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

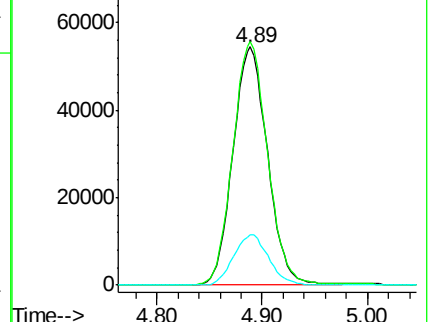
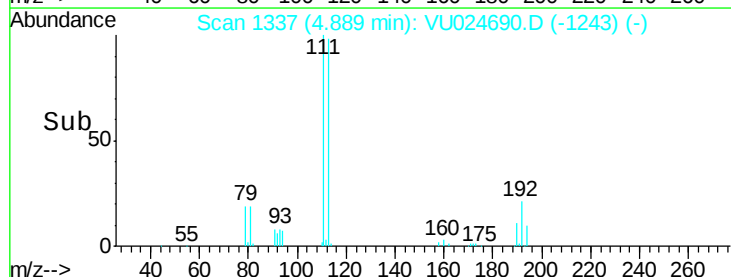
192 21.3 16.2 24.4

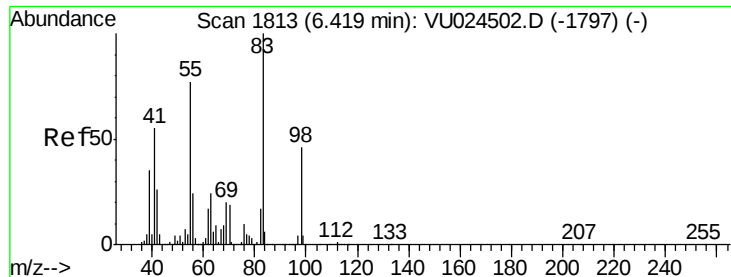


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

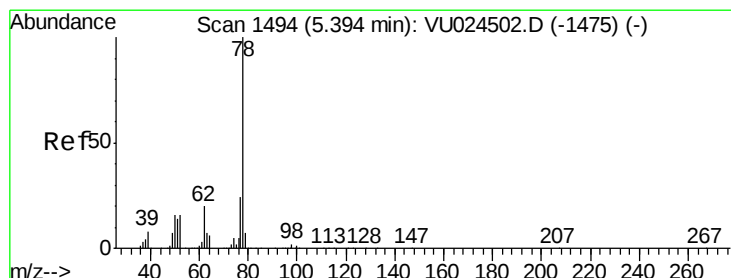
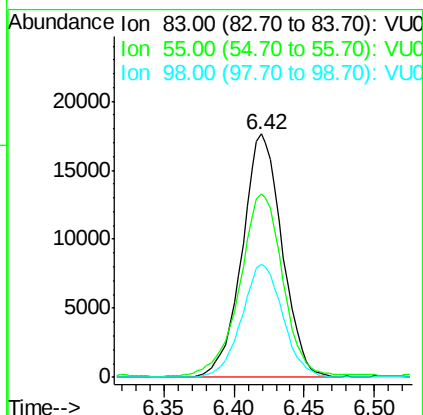
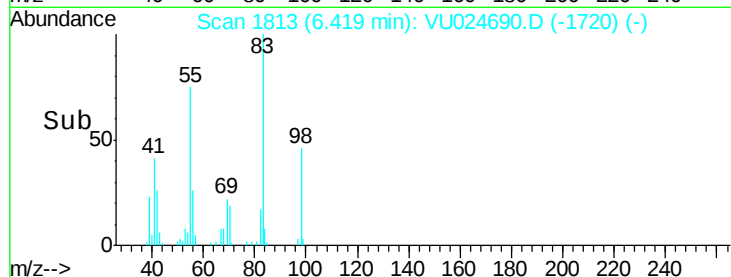
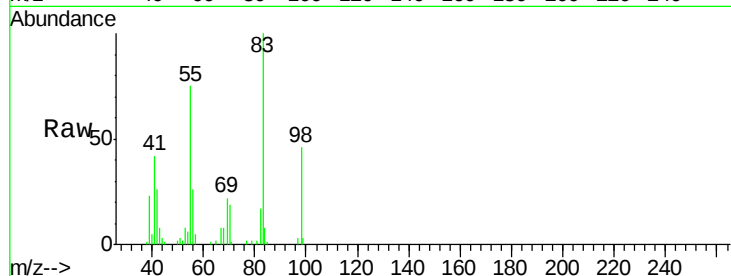




#39
Methvlcvclohexane
Concen: 7.71 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

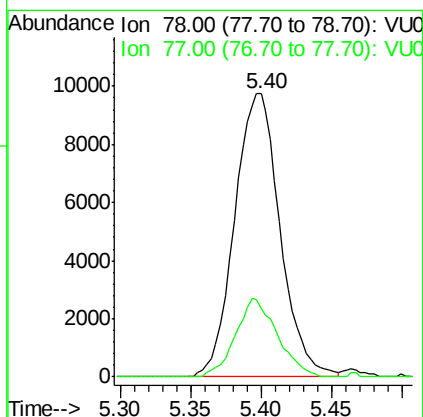
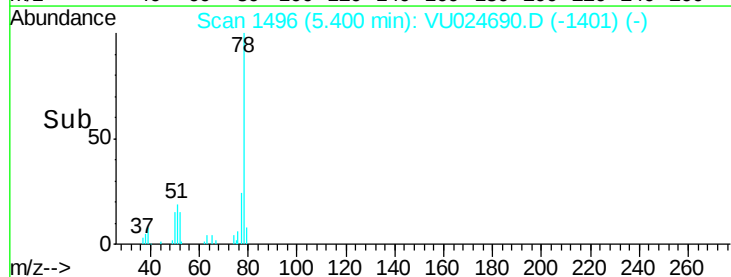
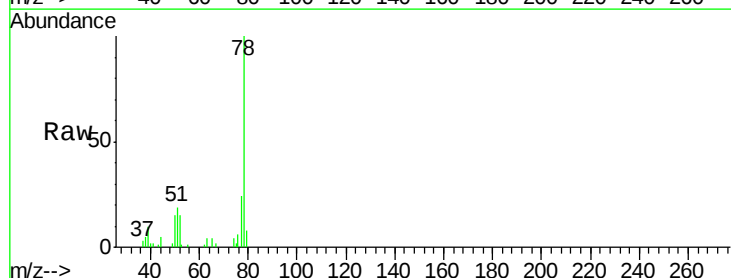
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-9-9.0-061218

Tot Ion: 83 Resp: 34977
Ion Ratio Lower Upper
83 100
55 74.2 65.8 98.6
98 46.5 36.7 55.1



#40
Benzene
Concen: 2.12 ug/l
RT: 5.40 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

Tgt Ion: 78 Resp: 21953
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8

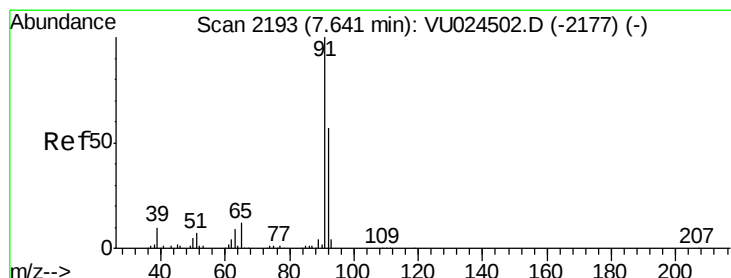
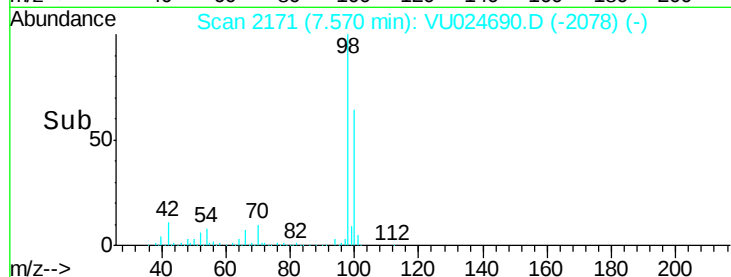
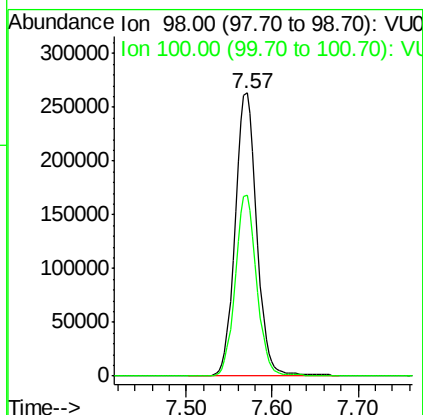
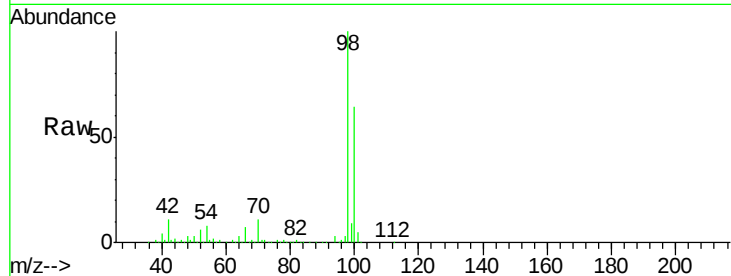




#50
Toluene-d8
Concen: 48.95 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

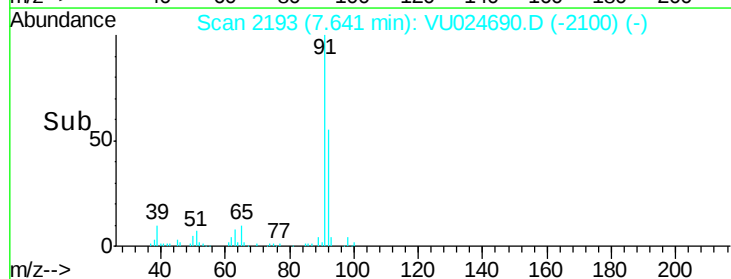
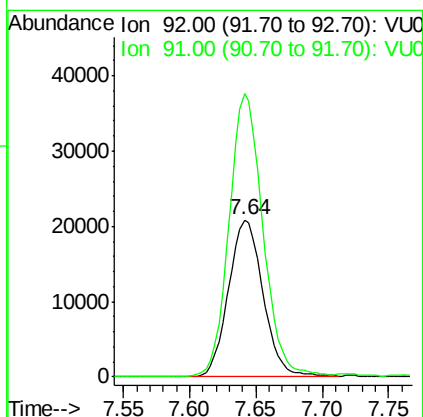
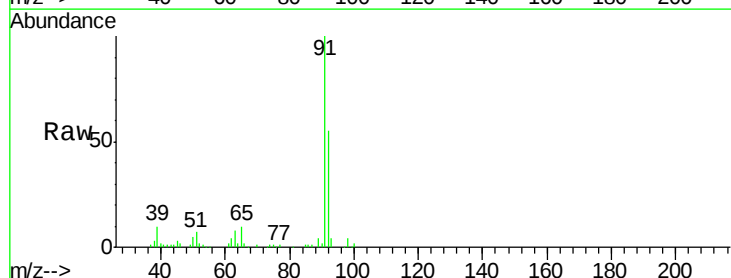
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-9-9.0-061218

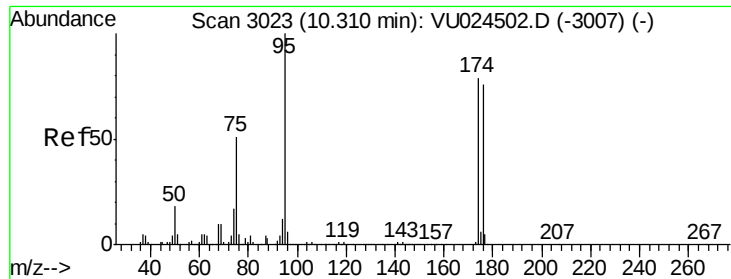
Tot Ion: 98 Resp: 458624
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7



#52
Toluene
Concen: 5.71 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

Tgt Ion: 92 Resp: 38060
Ion Ratio Lower Upper
92 100
91 175.8 140.5 210.7

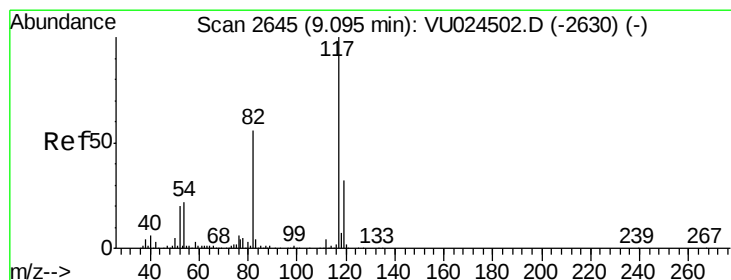
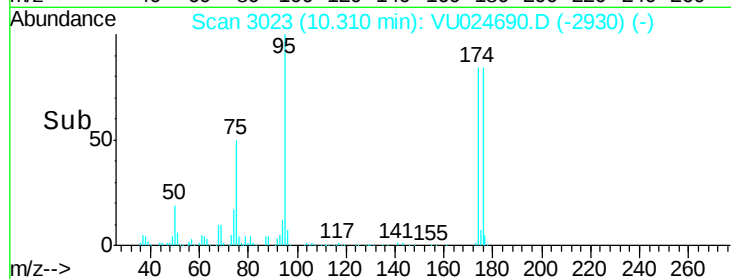
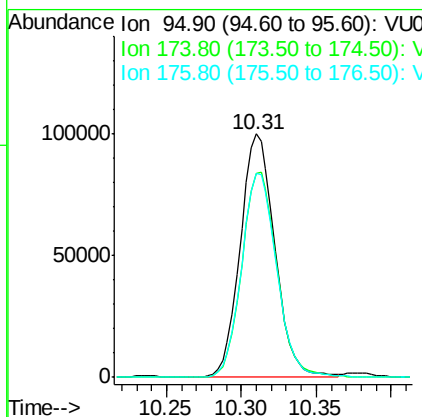
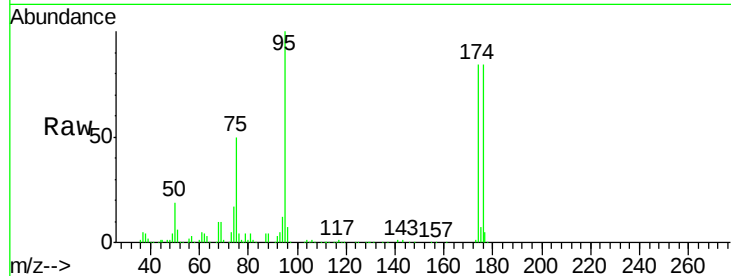




#62
4-Bromofluorobenzene
Concen: 43.40 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

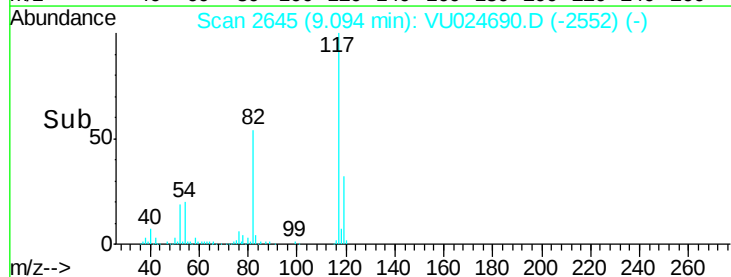
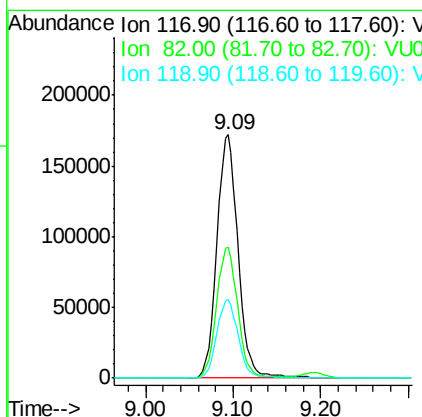
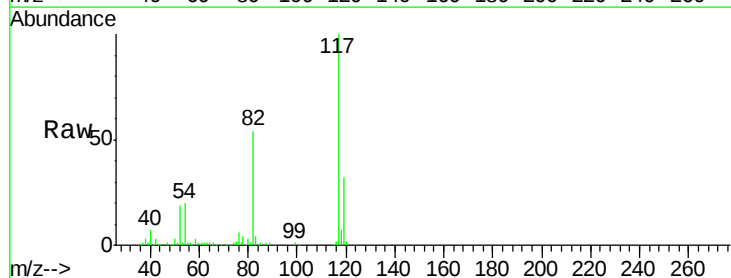
Instrument :
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T11-MW-9-9.0-061218

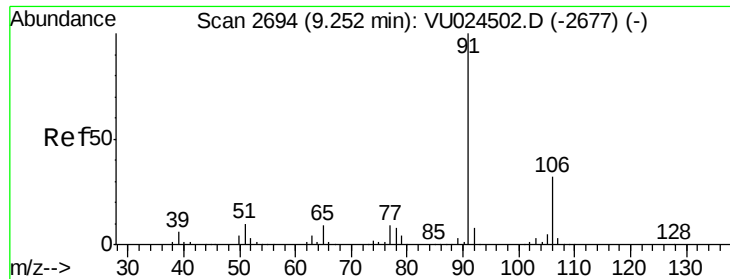
Tot Ion	95	Resp	161445
Ion Ratio	100		
Lower			
Upper			
95	100		
174	85.4	0.0	165.8
176	85.1	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

Tgt Ion	117	Resp	289270
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
117	100		
82	53.9	44.3	66.5
119	32.2	25.4	38.2





#67

Ethyl Benzene

Concen: 1.25 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

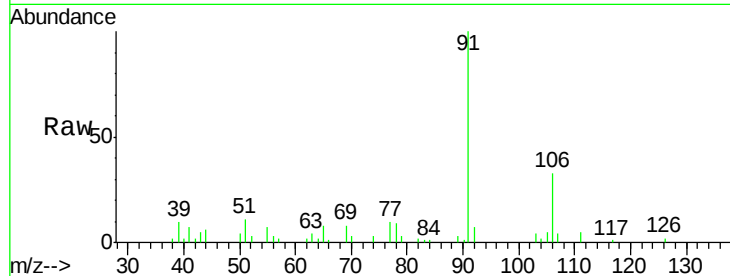
T11-MW-9-9.0-061218

Tot Ion: 91 Resp: 16139

Ion Ratio Lower Upper

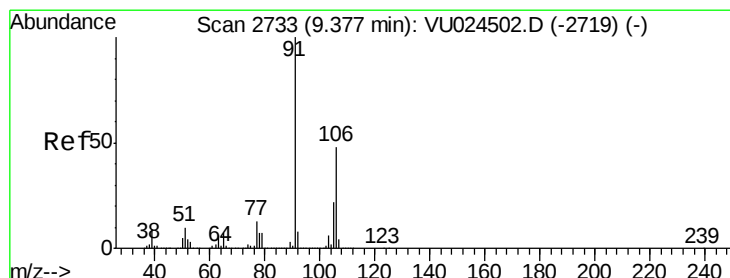
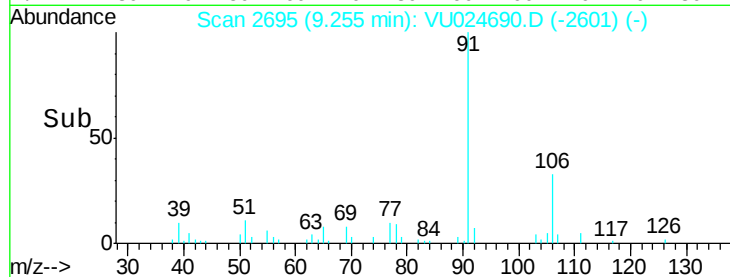
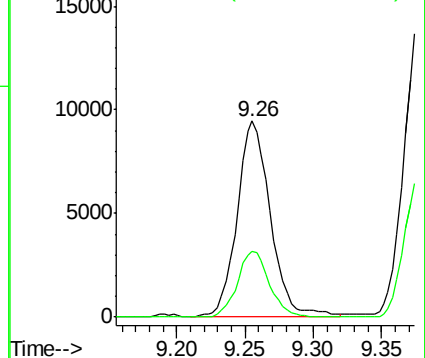
91 100

106 33.2 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 2.61 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU024690.D

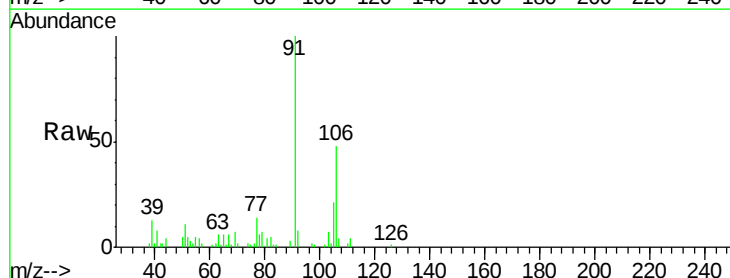
Acq: 18 Jun 2018 14:35

Tgt Ion: 106 Resp: 12979

Ion Ratio Lower Upper

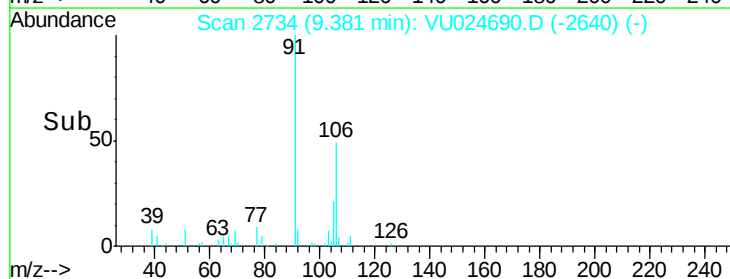
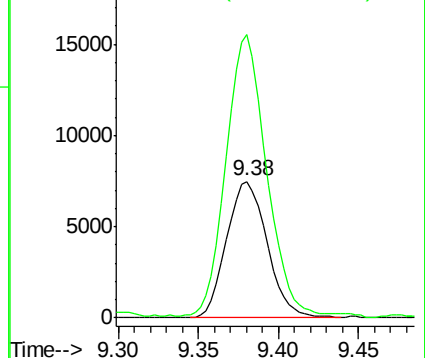
106 100

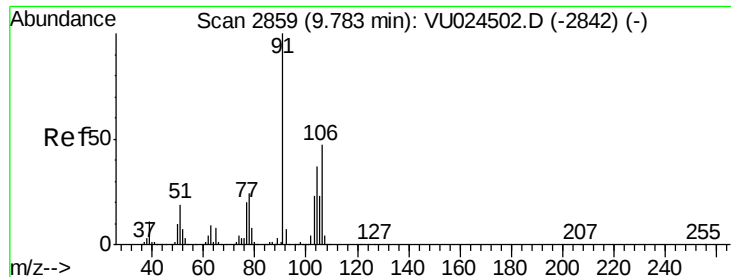
91 210.0 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

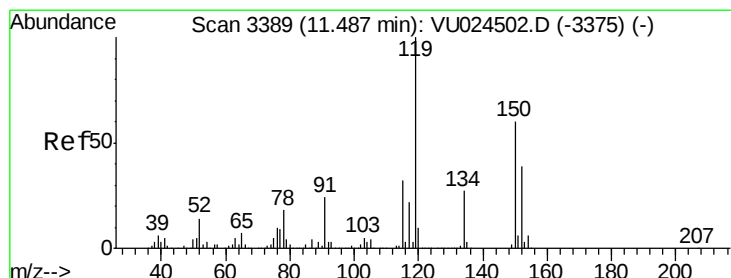
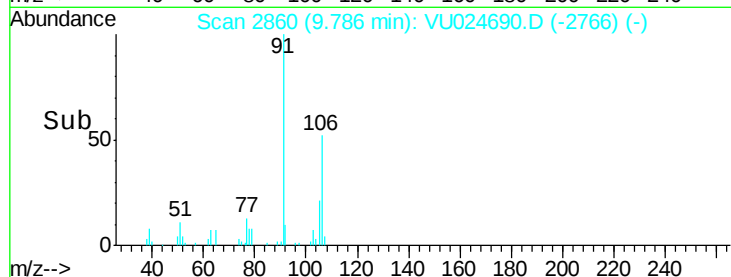
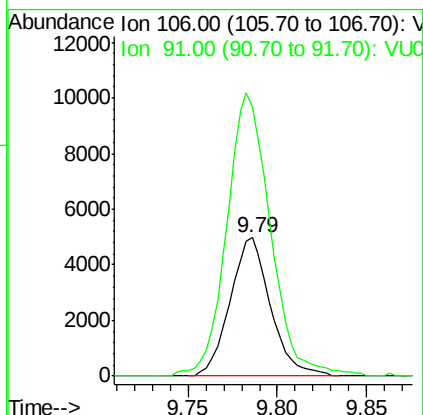
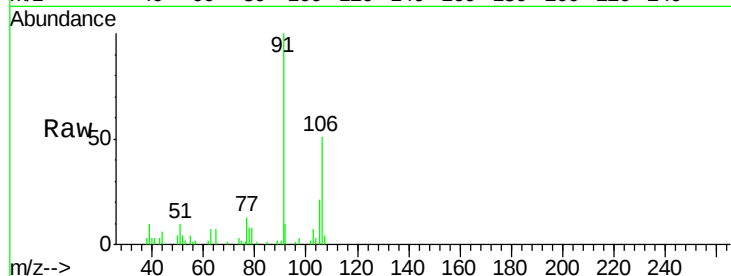




#69
o-Xylene
Concen: 1.60 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

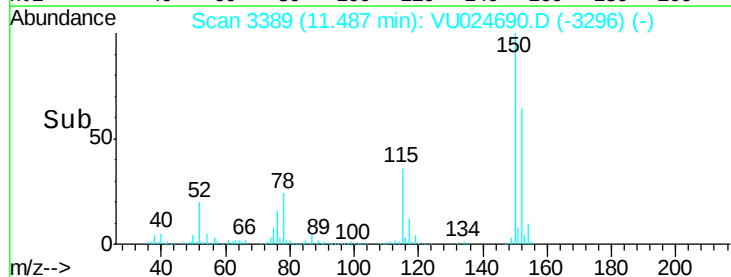
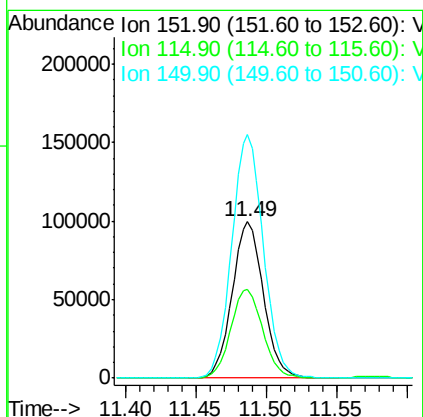
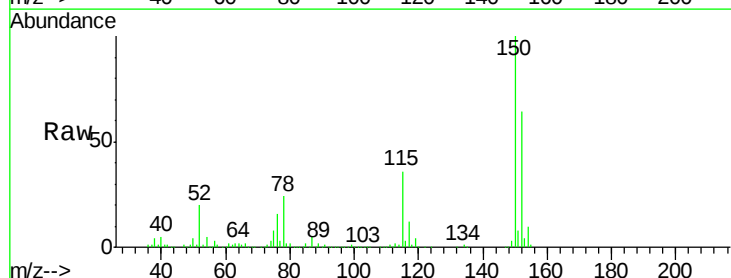
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-9-9.0-061218

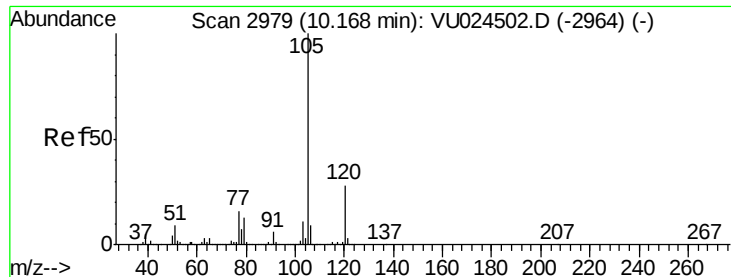
Tot Ion:106 Resp: 7893
Ion Ratio Lower Upper
106 100
91 220.3 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

Tgt Ion:152 Resp: 154391
Ion Ratio Lower Upper
152 100
115 58.0 43.0 129.0
150 157.9 0.0 354.0





#73

Isopropylbenzene

Concen: 6.10 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

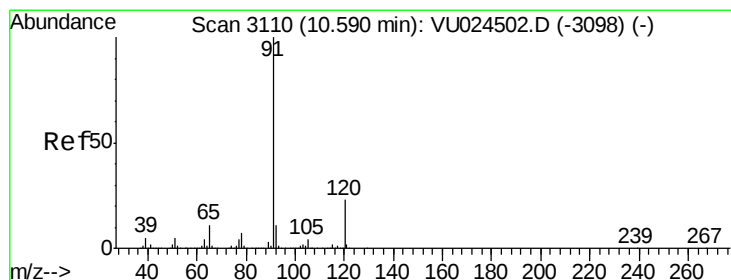
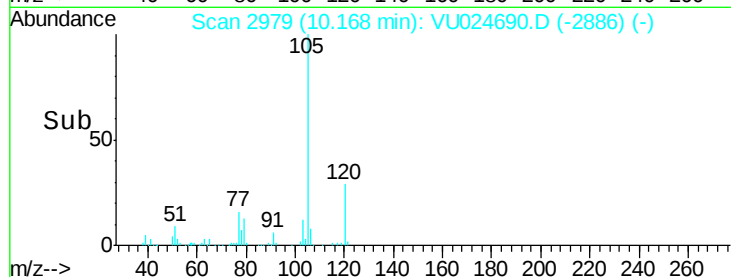
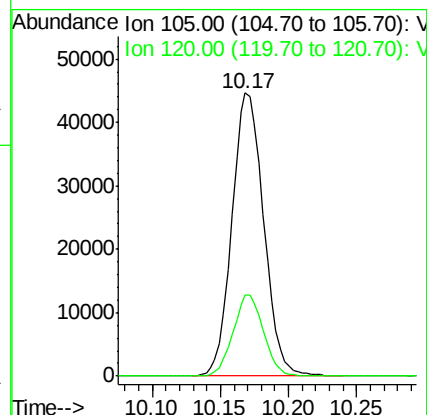
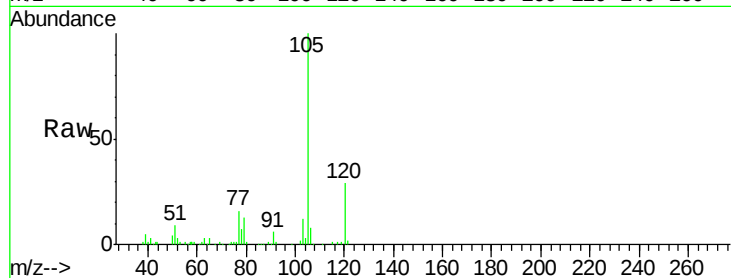
T11-MW-9-9.0-061218

Tot Ion:105 Resp: 72253

Ion Ratio Lower Upper

105 100

120 27.5 13.2 39.6



#78

n-propylbenzene

Concen: 10.46 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024690.D

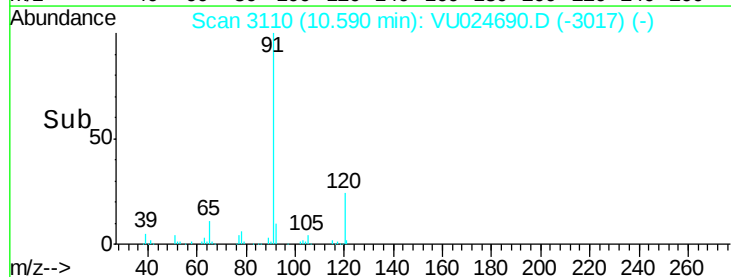
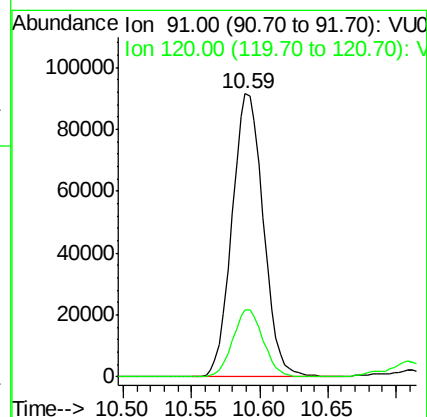
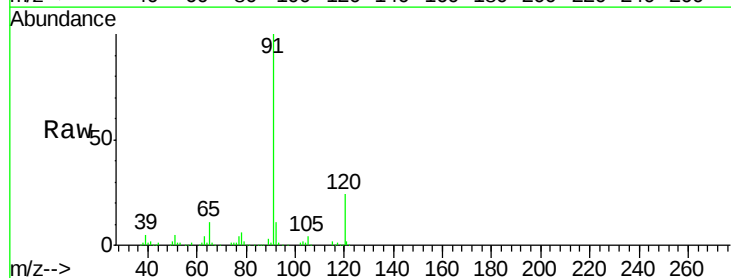
Acq: 18 Jun 2018 14:35

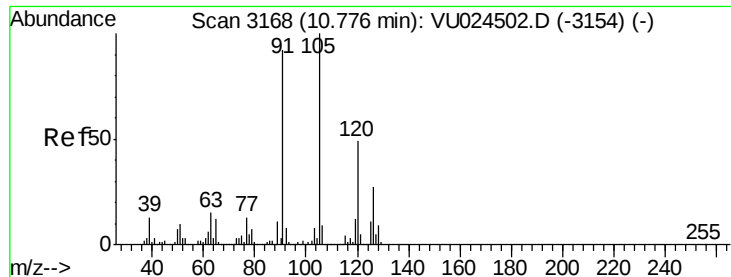
Tgt Ion: 91 Resp: 146042

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 1.72 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

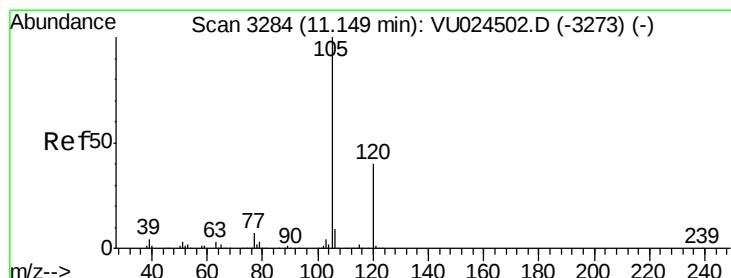
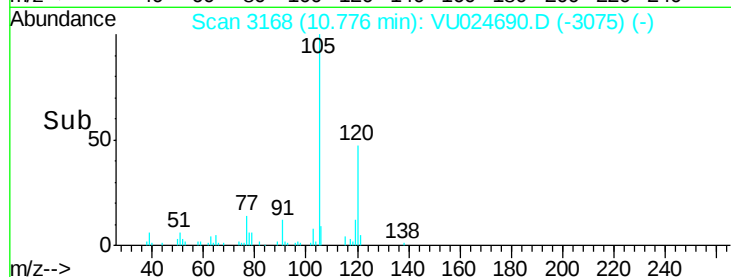
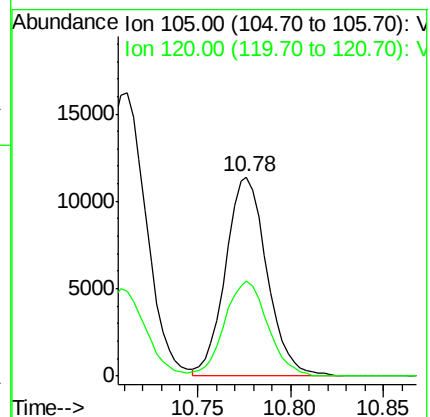
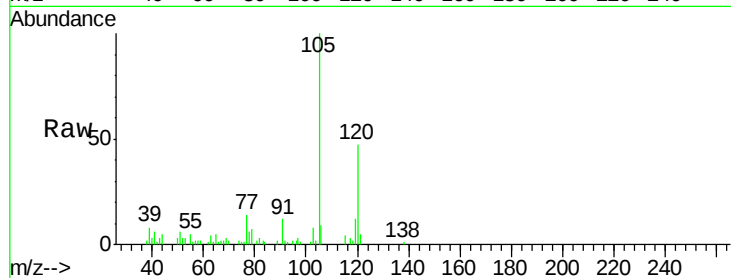
T11-MW-9-9.0-061218

Tot Ion:105 Resp: 17676

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.2



#84

1,2,4-Trimethylbenzene

Concen: 9.43 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024690.D

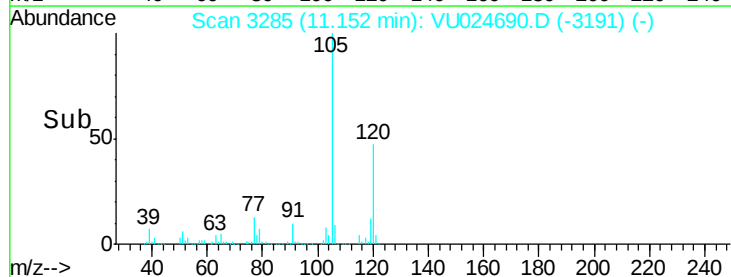
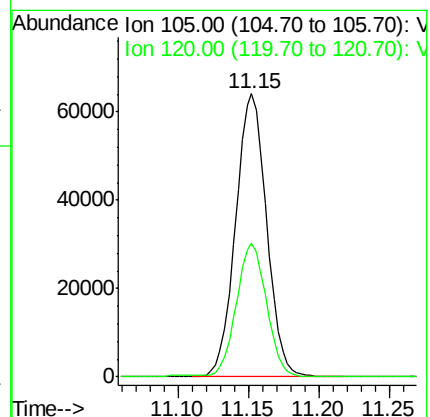
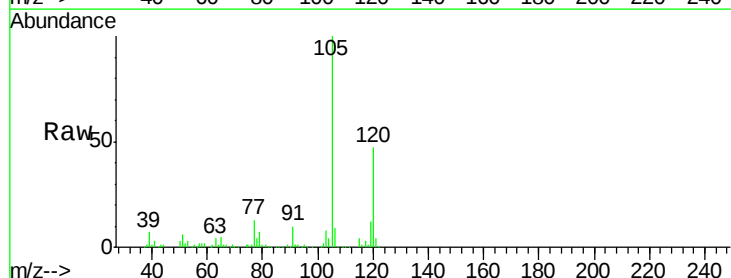
Acq: 18 Jun 2018 14:35

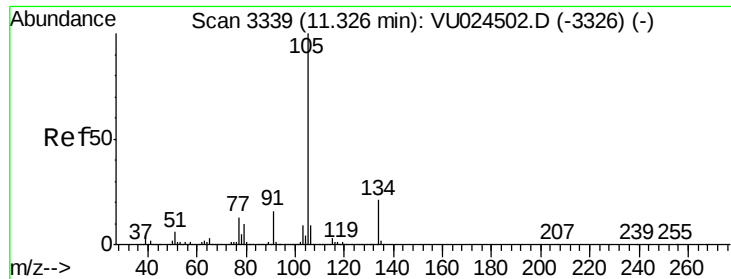
Tgt Ion:105 Resp: 98738

Ion Ratio Lower Upper

105 100

120 45.8 22.6 67.8





#85

sec-Butylbenzene

Concen: 8.25 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

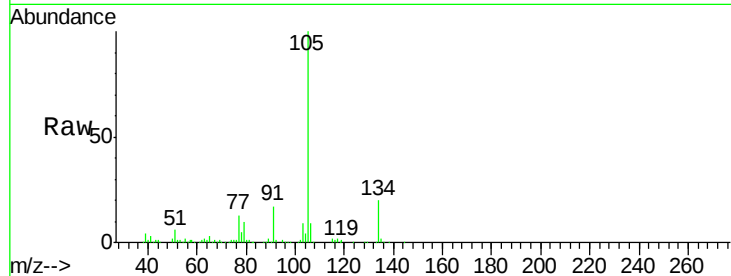
T11-MW-9-9.0-061218

Tot Ion:105 Resp: 102032

Ion Ratio Lower Upper

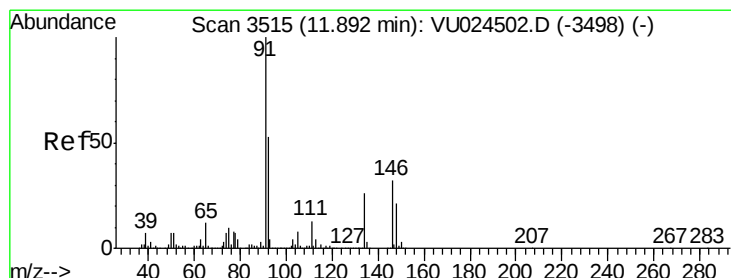
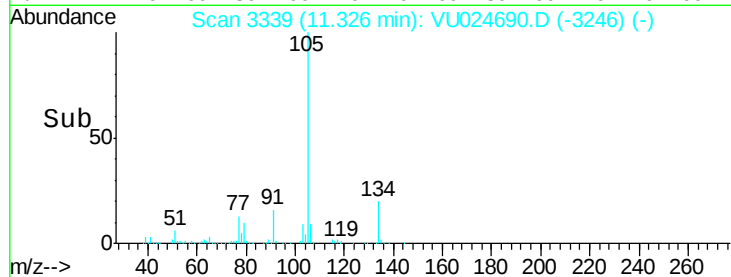
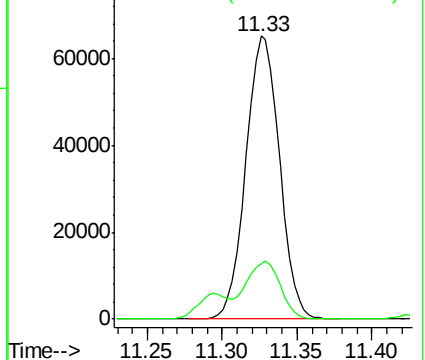
105 100

134 20.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 5.90 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024690.D

Acq: 18 Jun 2018 14:35

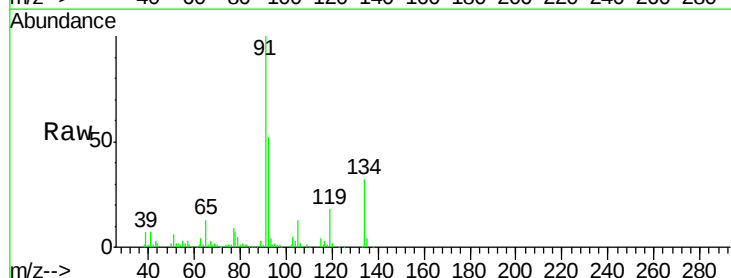
Tgt Ion: 91 Resp: 58058

Ion Ratio Lower Upper

91 100

92 44.4 25.6 76.8

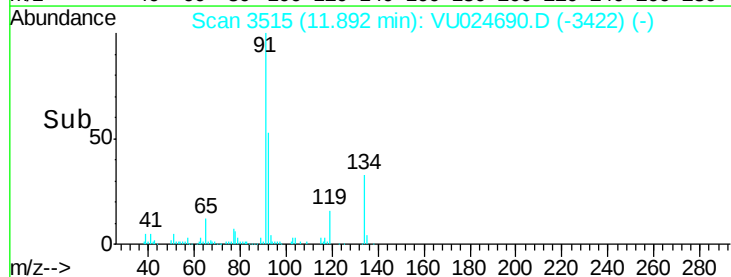
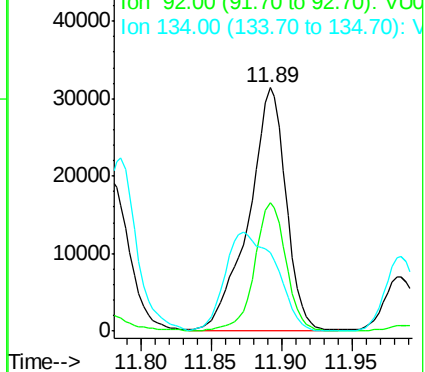
134 55.4 12.3 36.8#

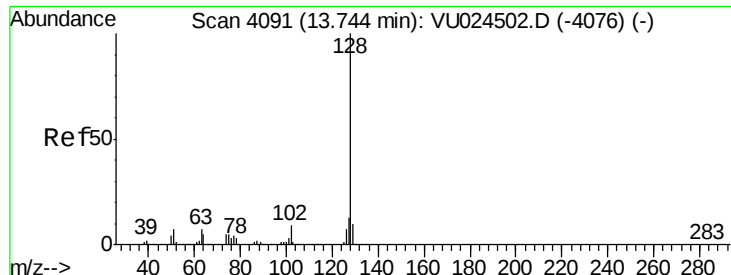


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 196.48 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU024690.D
Acq: 18 Jun 2018 14:35

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-9-9.0-061218

Tot Ion:128 Resp: 2253467
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.3 8.6 12.8

