

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024551.D
 Acq On : 14 Jun 2018 19:35
 Operator : MD/SY
 Sample : J3448-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 N-48969

Quant Time: Jun 15 05:00:27 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	183654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	174067	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	136578	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	4.89	113	123888	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	7.57	98	455783	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	10.31	95	173398	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

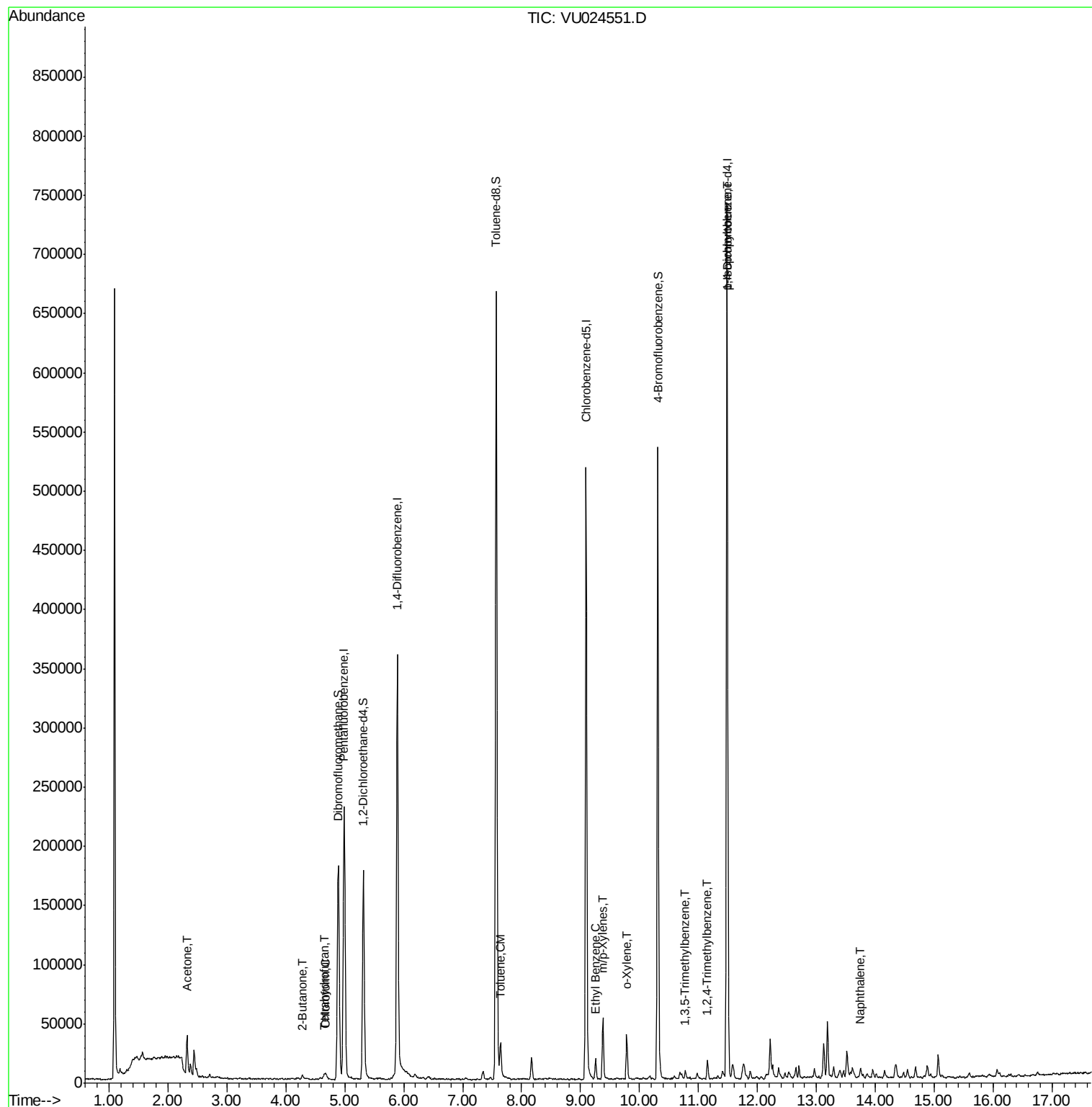
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	33291	20.666	ug/l	99
25) 2-Butanone	4.28	43	4867	2.249	ug/l	92
29) Tetrahydrofuran	4.65	42	3786	2.825	ug/l #	89
30) Chloroform	4.68	83	3241	0.723	ug/l	90
52) Toluene	7.64	92	11710	1.746	ug/l	97
67) Ethyl Benzene	9.26	91	12639	0.954	ug/l	93
68) m/p-Xylenes	9.38	106	15001	2.949	ug/l	98
69) o-Xylene	9.78	106	10539	2.094	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	3505	0.303	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	8683	0.736	ug/l	98
86) p-Isopropyltoluene	11.48	119	59092	4.731	ug/l	95
95) Naphthalene	13.75	128	6688	1.195	ug/l	96

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

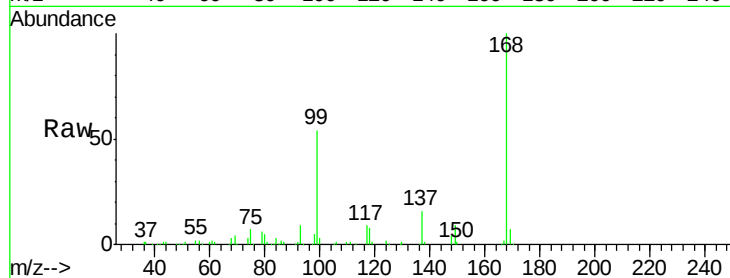
N-48969

Tot Ion:168 Resp: 183654

Ion Ratio Lower Upper

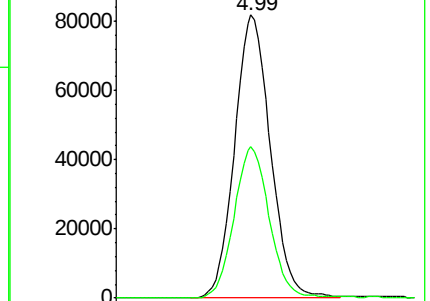
168 100

99 53.6 43.2 64.8

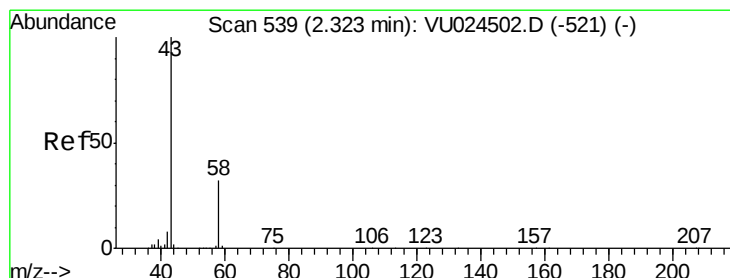
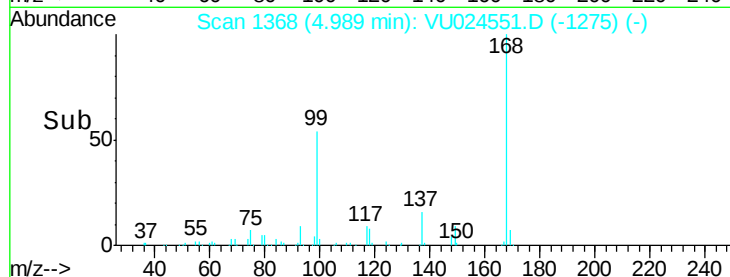


Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



Time-->



#16

Acetone

Concen: 20.666 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024551.D

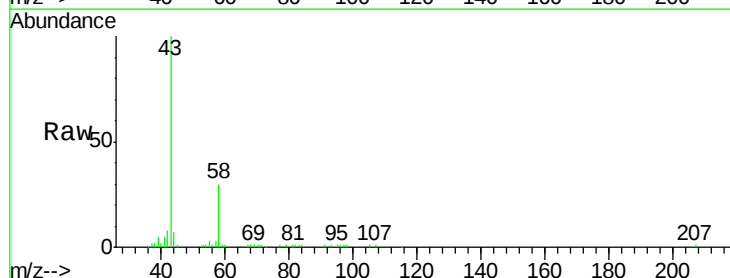
Acq: 14 Jun 2018 19:35

Tgt Ion: 43 Resp: 33291

Ion Ratio Lower Upper

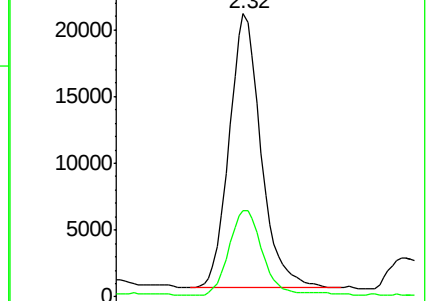
43 100

58 30.8 24.4 36.6

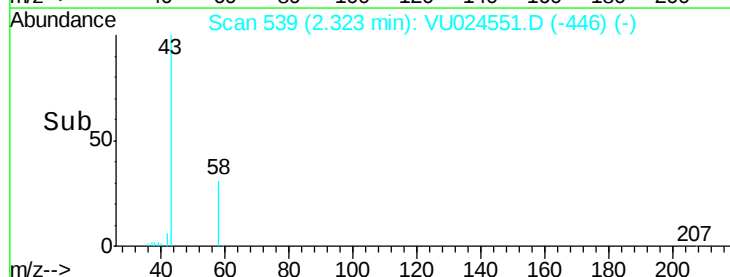


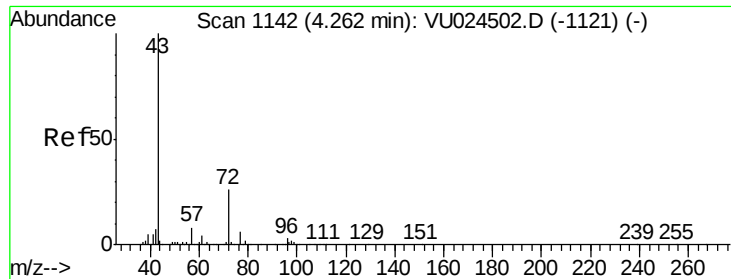
Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)



Time-->

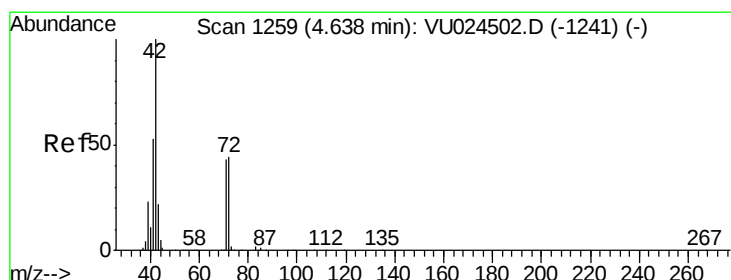
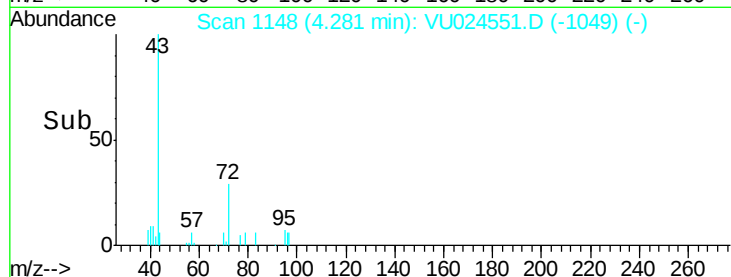
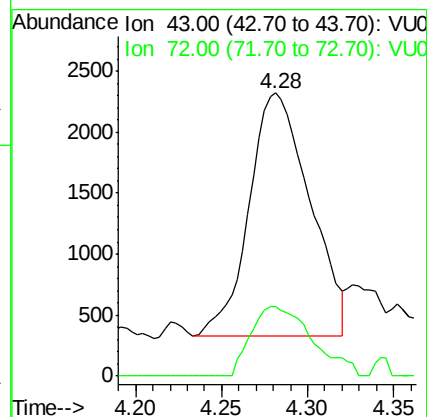
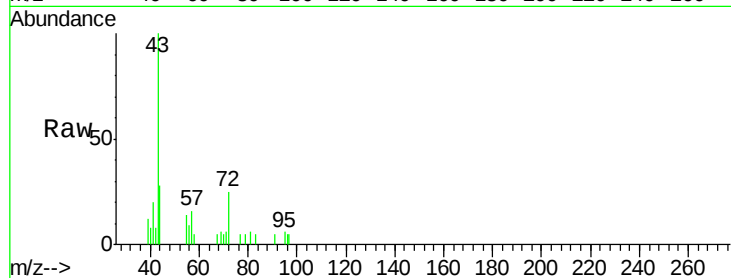




#25
2-Butanone
Concen: 2.249 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU024551.D
Acq: 14 Jun 2018 19:35

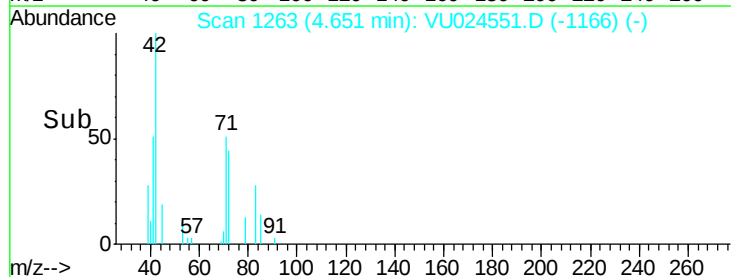
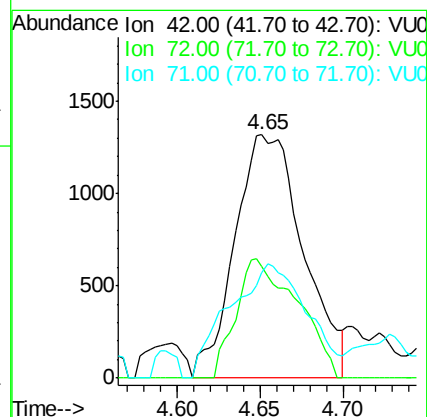
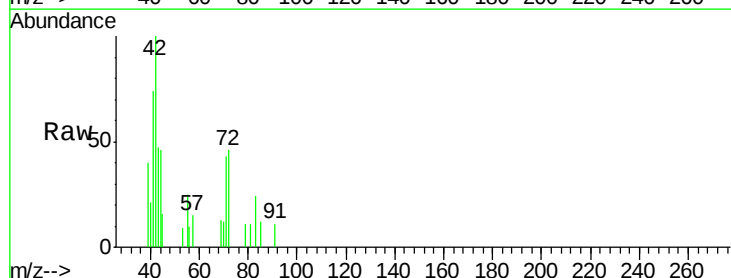
Instrument :
MSVOA_U
ClientSampleId :
N-48969

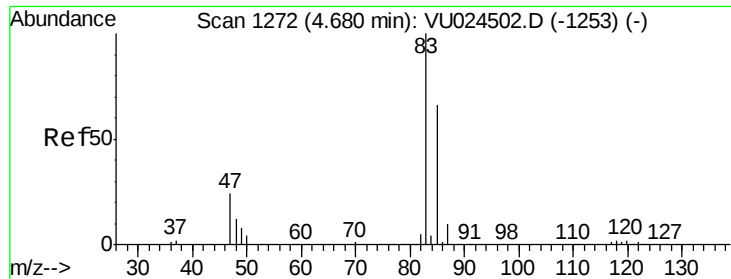
Tot Ion: 43 Resp: 4867
Ion Ratio Lower Upper
43 100
72 28.7 19.6 29.4



#29
Tetrahydrofuran
Concen: 2.825 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VU024551.D
Acq: 14 Jun 2018 19:35

Tgt Ion: 42 Resp: 3786
Ion Ratio Lower Upper
42 100
72 44.1 34.5 51.7
71 53.4 32.2 48.4#





#30

Chloroform

Concen: 0.723 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

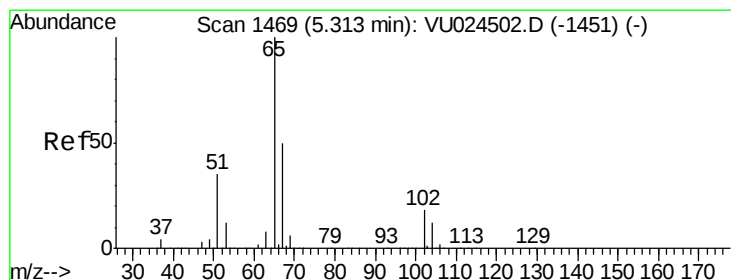
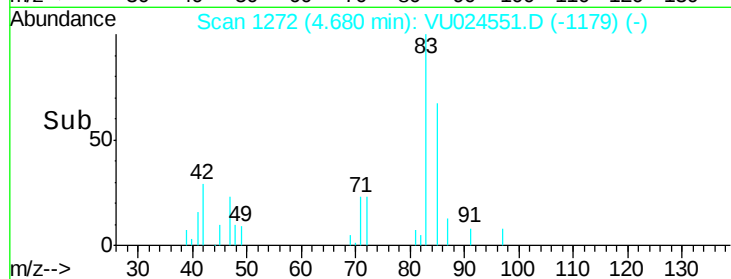
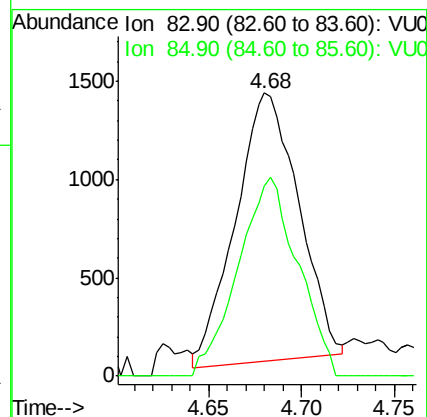
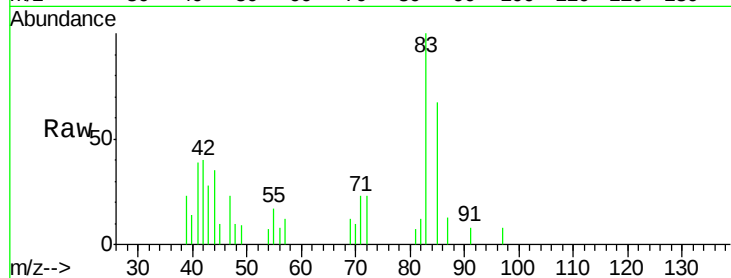
N-48969

Tot Ion: 83 Resp: 3241

Ion Ratio Lower Upper

83 100

85 73.1 52.4 78.6



#33

1,2-Dichloroethane-d4

Concen: 45.554 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU024551.D

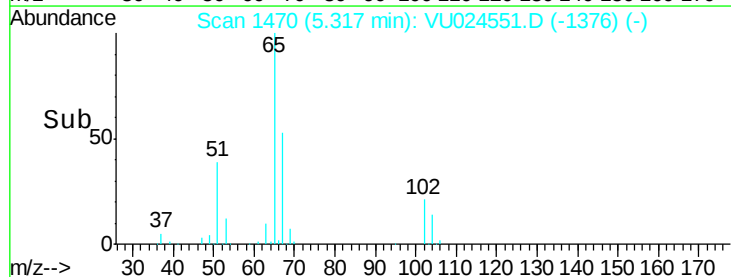
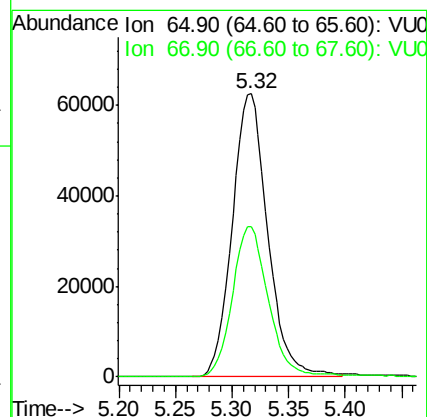
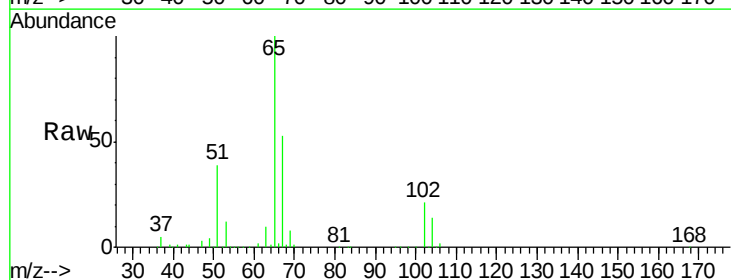
Acq: 14 Jun 2018 19:35

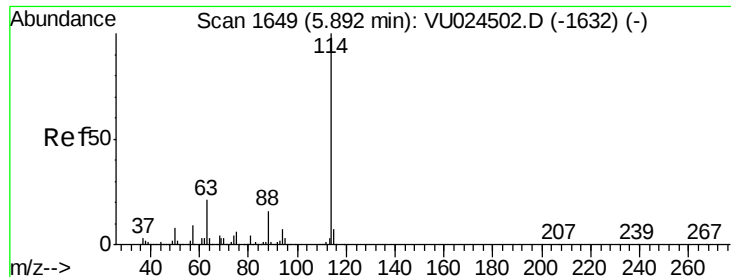
Tgt Ion: 65 Resp: 136578

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

N-48969

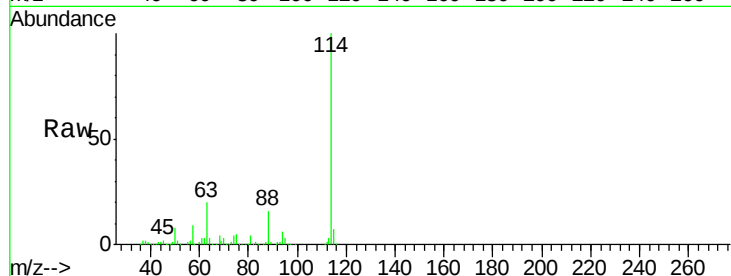
Tot Ion:114 Resp: 311419

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.4

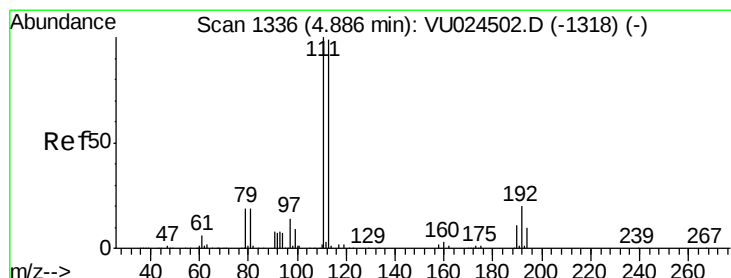
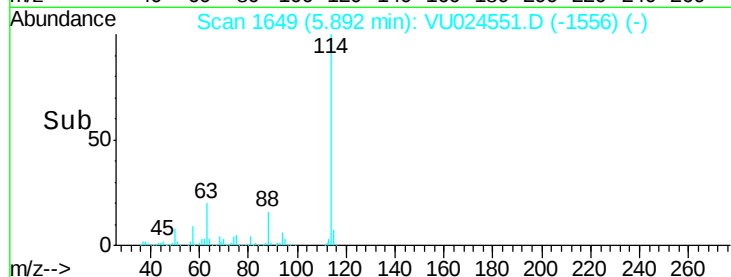
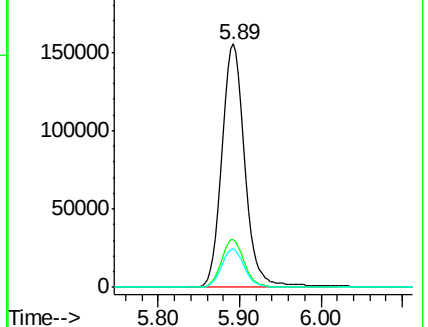
88 15.8 0.0 31.0



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: 47.934 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

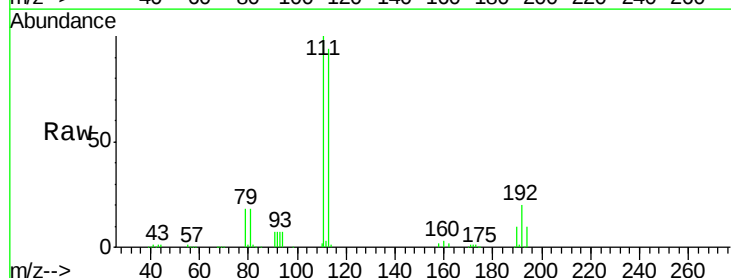
Tgt Ion:113 Resp: 123888

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

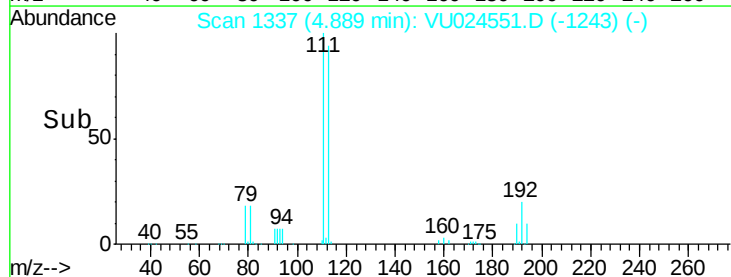
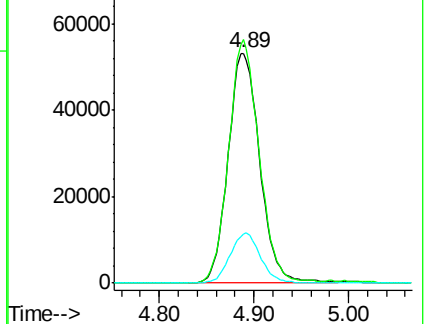
192 21.0 16.2 24.4

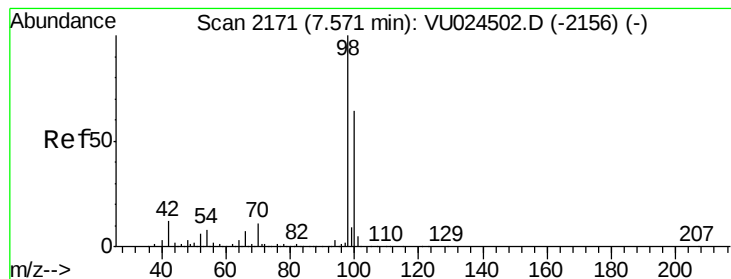


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.347 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

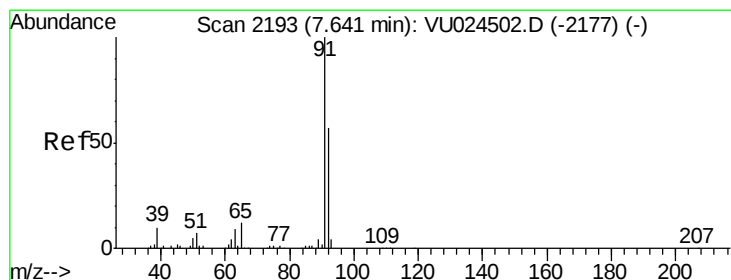
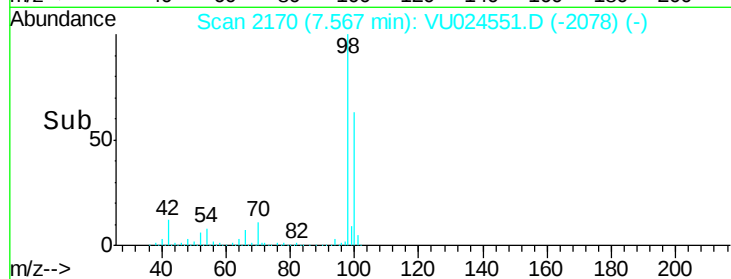
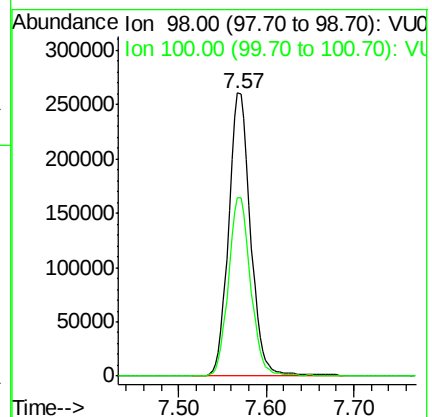
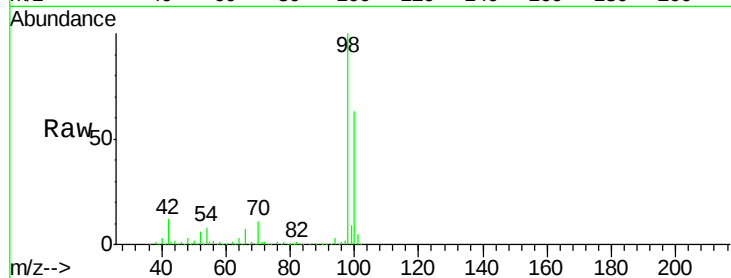
N-48969

Tot Ion: 98 Resp: 455783

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#52

Toluene

Concen: 1.746 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024551.D

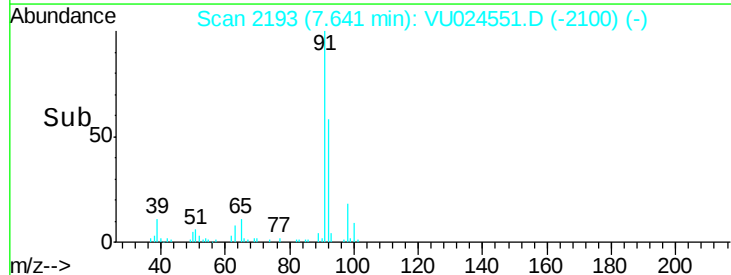
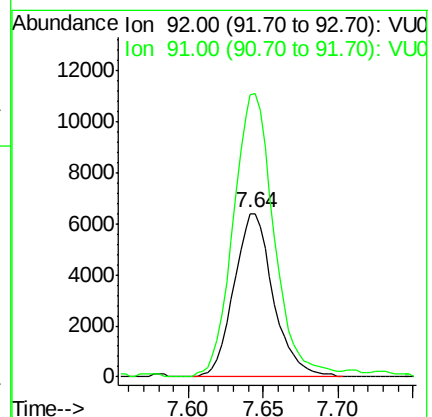
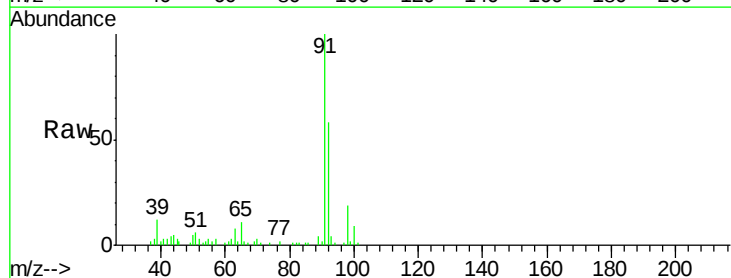
Acq: 14 Jun 2018 19:35

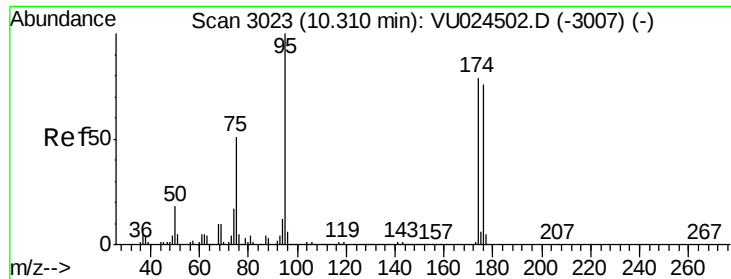
Tgt Ion: 92 Resp: 11710

Ion Ratio Lower Upper

92 100

91 179.7 140.5 210.7





#62

4-Bromofluorobenzene

Concen: 46.326 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

Instrument :

MSVOA_U

ClientSampled :

N-48969

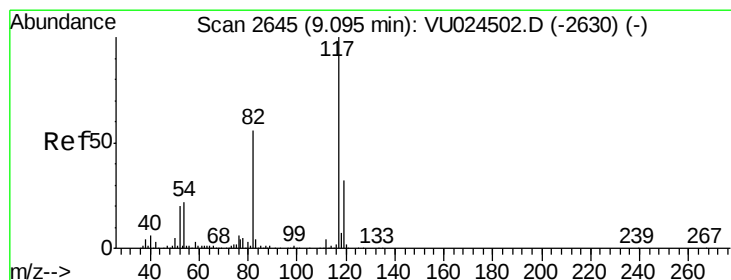
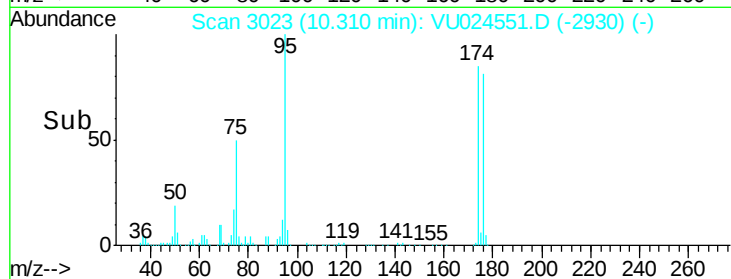
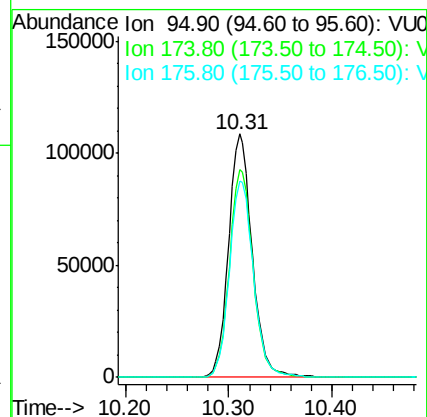
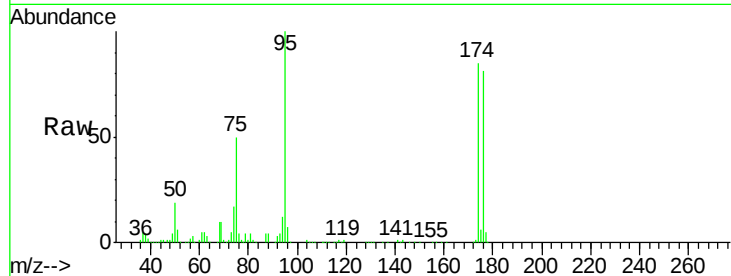
Tot Ion: 95 Resp: 173398

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

176 82.4 0.0 159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

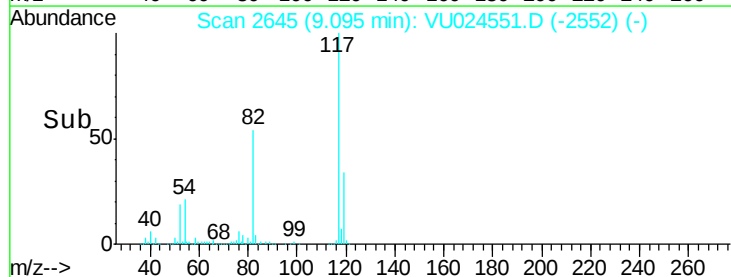
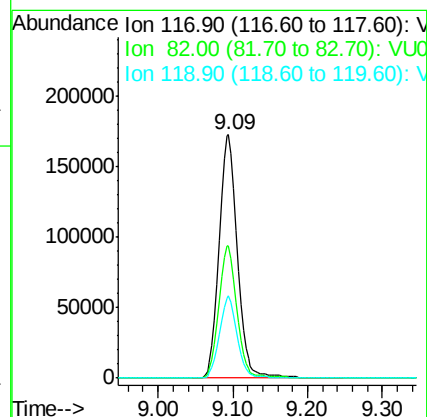
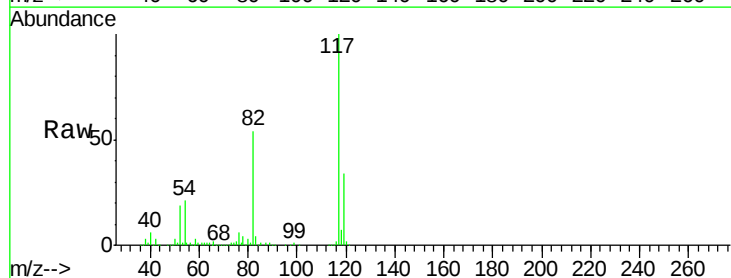
Tgt Ion: 117 Resp: 295780

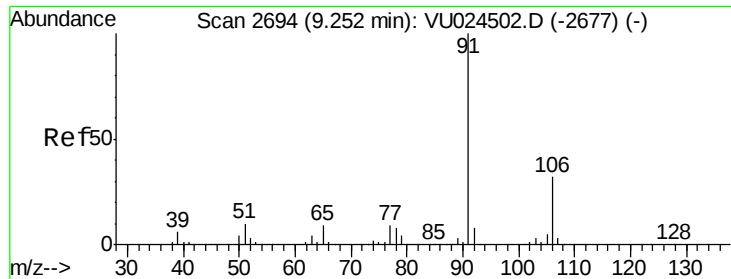
Ion Ratio Lower Upper

117 100

82 54.2 44.3 66.5

119 33.7 25.4 38.2

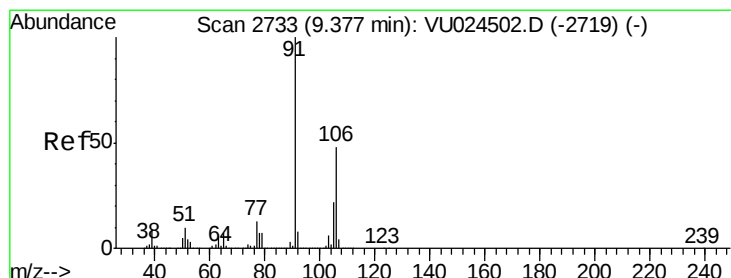
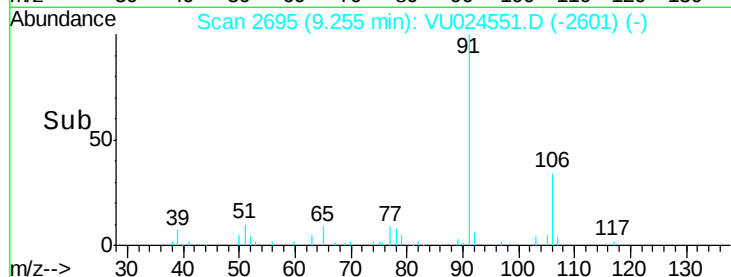
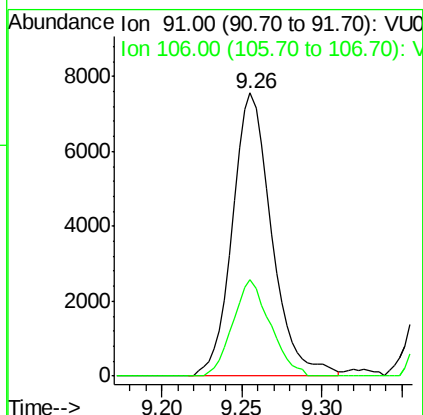
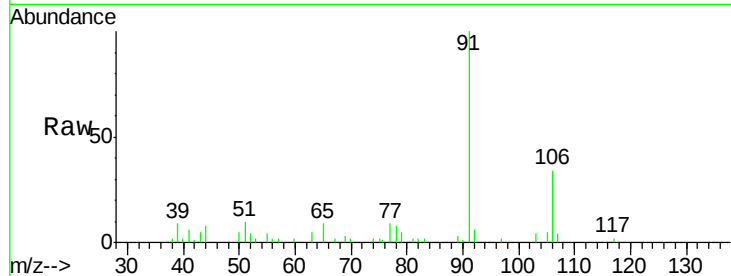




#67
Ethyl Benzene
Concen: 0.954 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU024551.D
Acq: 14 Jun 2018 19:35

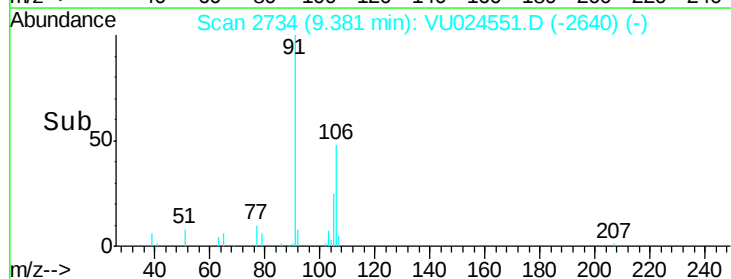
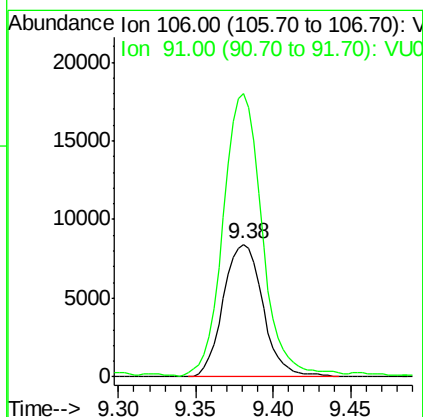
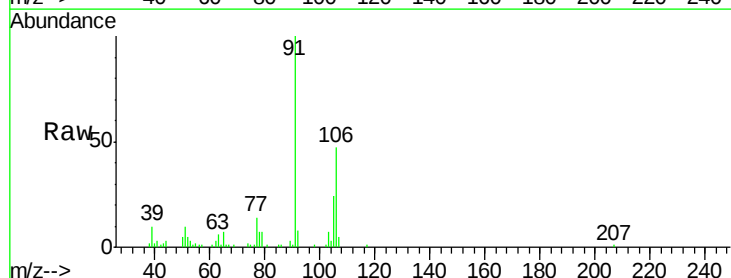
Instrument :
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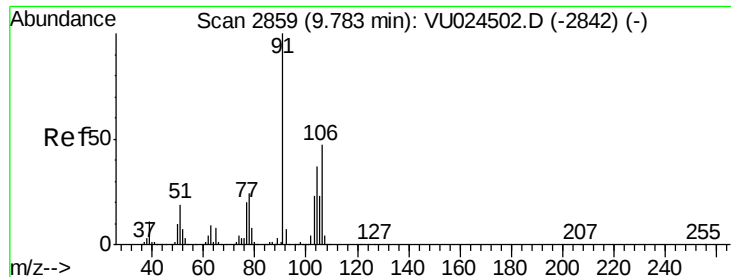
Tot Ion: 91 Resp: 12639
Ion Ratio Lower Upper
91 100
106 33.9 24.2 36.4



#68
m/p-Xylenes
Concen: 2.949 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU024551.D
Acq: 14 Jun 2018 19:35

Tgt Ion: 106 Resp: 15001
Ion Ratio Lower Upper
106 100
91 211.1 166.5 249.7

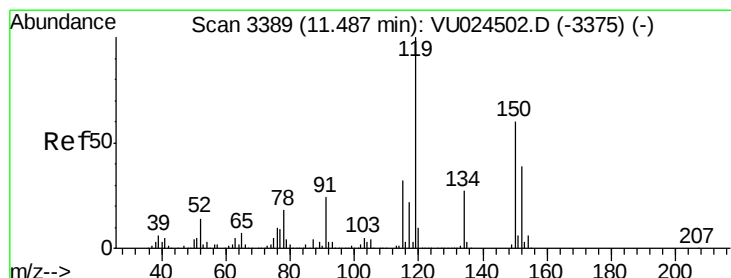
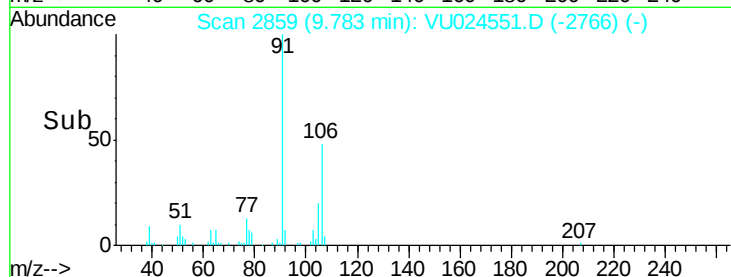
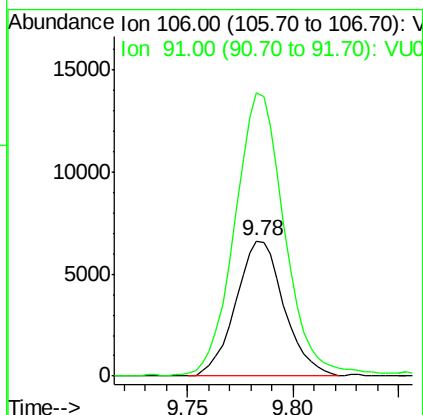
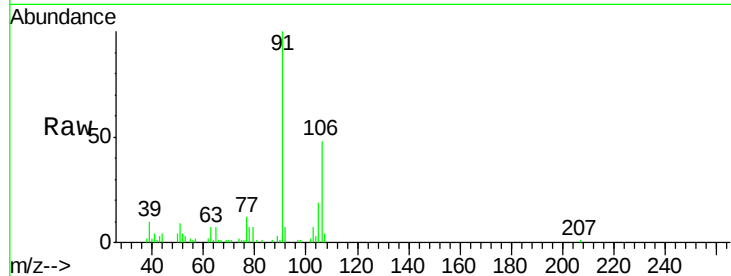




#69
o-Xylene
Concen: 2.094 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024551.D
Acq: 14 Jun 2018 19:35

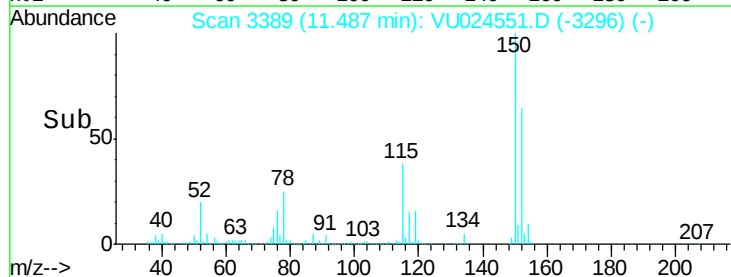
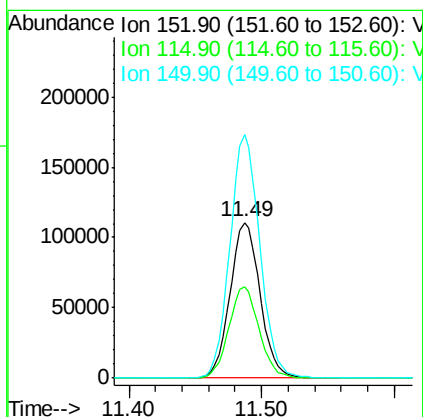
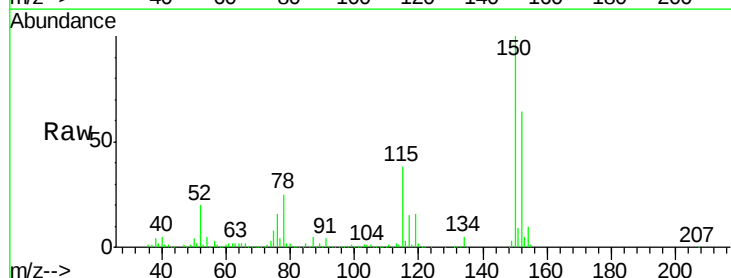
Instrument :
MSVOA_U
ClientSampleId :
N-48969

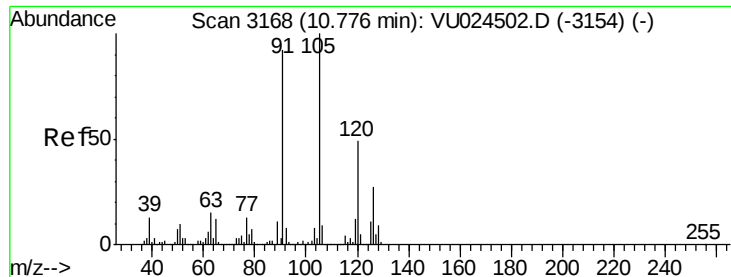
Tot Ion:106 Resp: 10539
Ion Ratio Lower Upper
106 100
91 217.6 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024551.D
Acq: 14 Jun 2018 19:35

Tgt Ion:152 Resp: 174067
Ion Ratio Lower Upper
152 100
115 59.0 43.0 129.0
150 156.4 0.0 354.0





#80

1,3,5-Trimethylbenzene

Concen: 0.303 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024551.D

Acq: 14 Jun 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

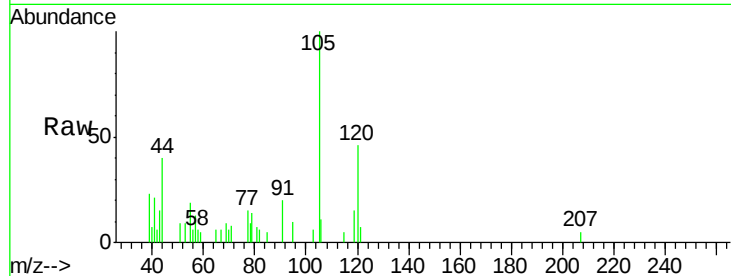
N-48969

Tot Ion:105 Resp: 3505

Ion Ratio Lower Upper

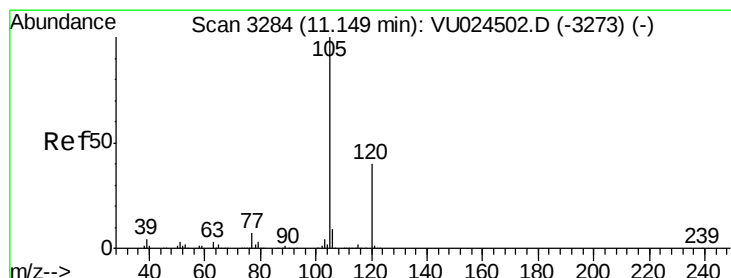
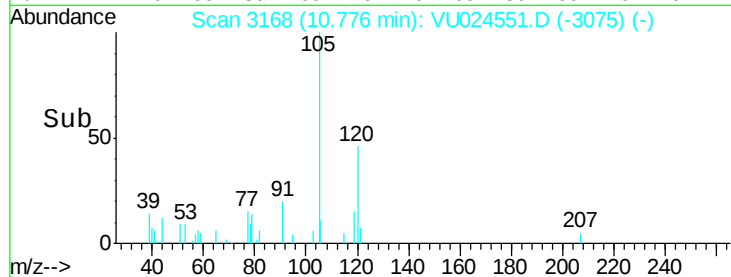
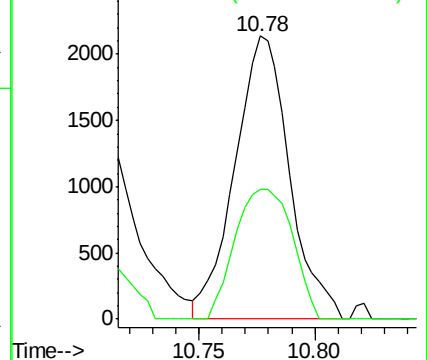
105 100

120 48.2 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: 0.736 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024551.D

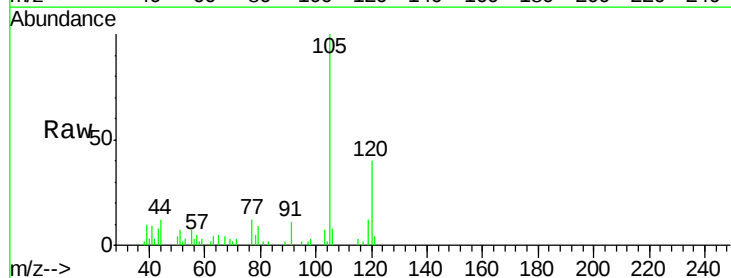
Acq: 14 Jun 2018 19:35

Tgt Ion:105 Resp: 8683

Ion Ratio Lower Upper

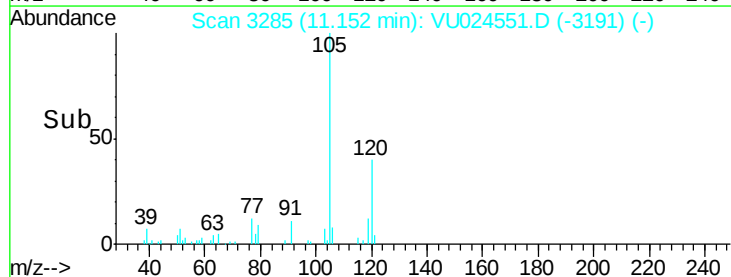
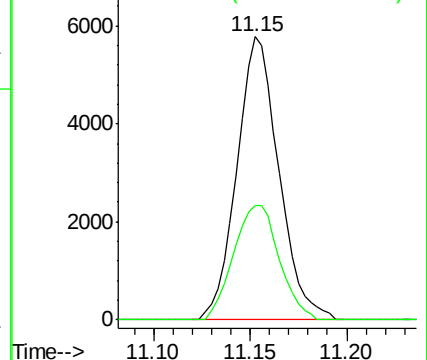
105 100

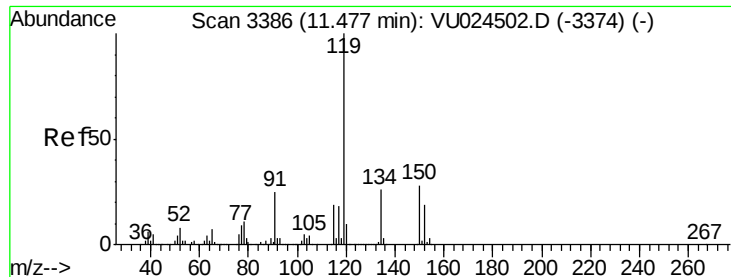
120 44.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

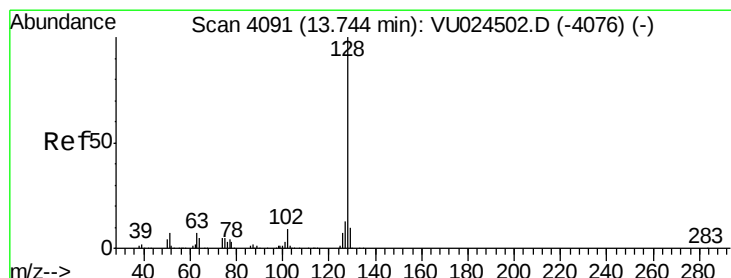
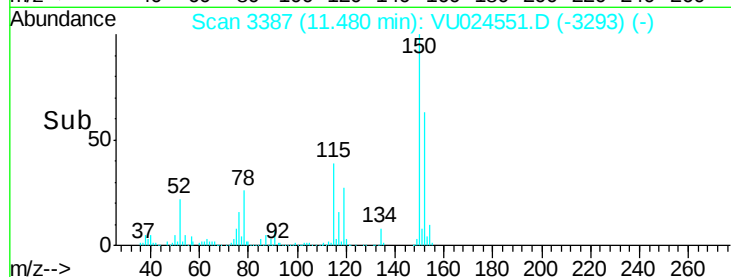
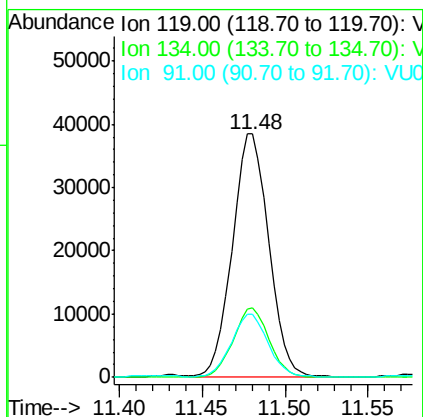
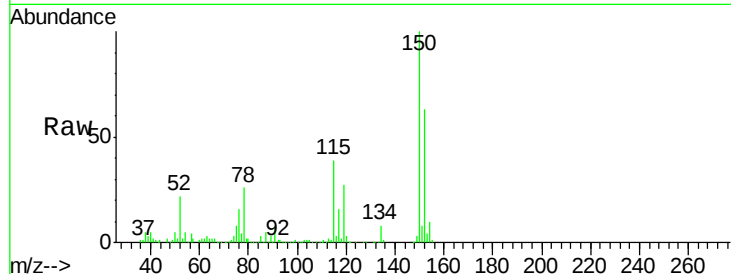




#86
 p-Isopropyltoluene
 Concen: 4.731 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024551.D
 Acq: 14 Jun 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 N-48969

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.5	12.0	36.1



#95
 Naphthalene
 Concen: 1.195 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU024551.D
 Acq: 14 Jun 2018 19:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.6	16.0
129	9.5	8.6	12.8

