

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025131.D
 Acq On : 01 Jul 2018 09:46
 Operator : MD/SY
 Sample : J3789-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Quant Time: Jul 02 08:40:36 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	214034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314797	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153627	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	160020	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
35) Dibromofluoromethane	4.89	113	126369	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	7.57	98	454375	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.31	95	166448	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

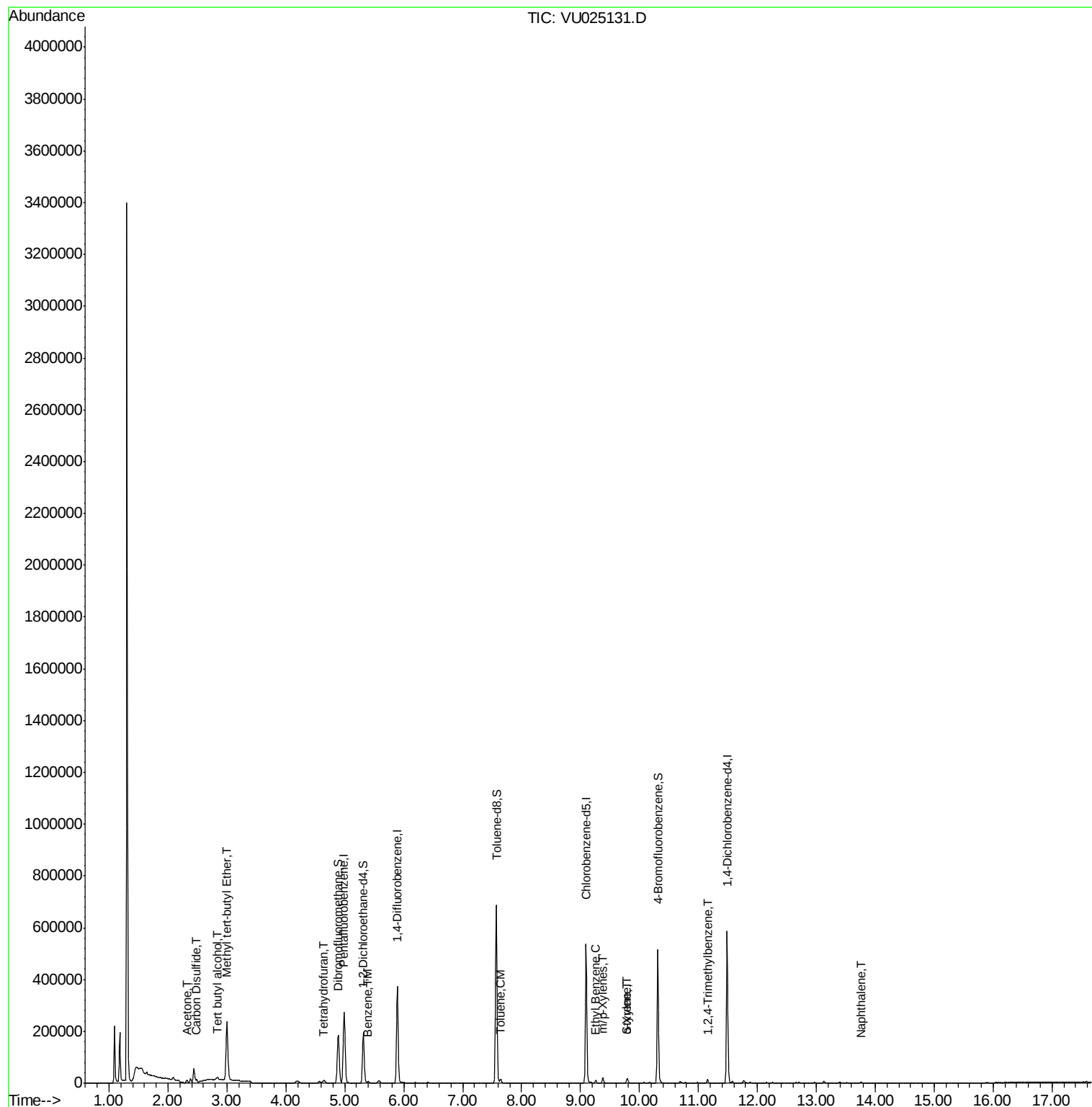
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	6566	7.73	ug/l #	72
16) Acetone	2.32	43	11624	6.19	ug/l	99
17) Carbon Disulfide	2.48	76	16076	2.06	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	238819	26.07	ug/l	95
29) Tetrahydrofuran	4.64	42	7475	4.79	ug/l	97
40) Benzene	5.39	78	4780	0.45	ug/l #	86
52) Toluene	7.64	92	5917	0.87	ug/l	100
67) Ethyl Benzene	9.26	91	8405	0.64	ug/l	97
68) m/p-Xylenes	9.38	106	6356	1.26	ug/l	96
69) o-Xylene	9.79	106	3456	0.69	ug/l	87
70) Styrene	9.80	104	4727	0.58	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	7180	0.69	ug/l	95
95) Naphthalene	13.75	128	3115	0.95	ug/l #	90

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025131.D

Acq: 01 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

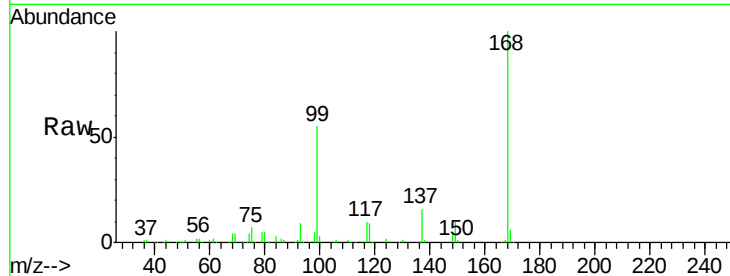
MW-8

Tot Ion:168 Resp: 214034

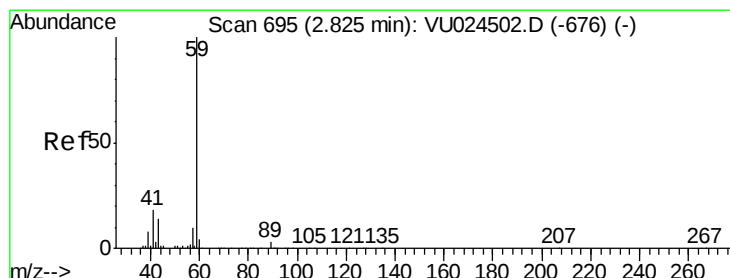
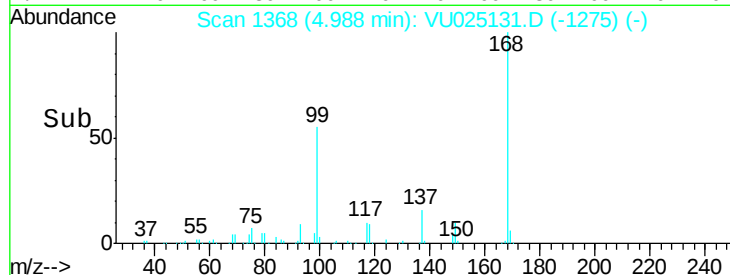
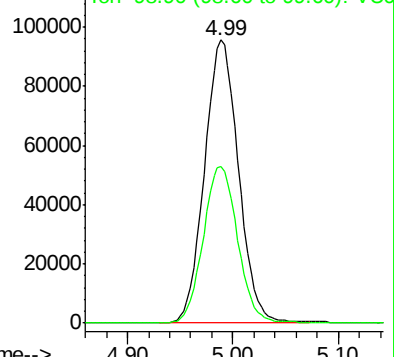
Ion Ratio Lower Upper

168 100

99 55.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025131.D (-1275) (-)



#11

Tert butyl alcohol

Concen: 7.73 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VU025131.D

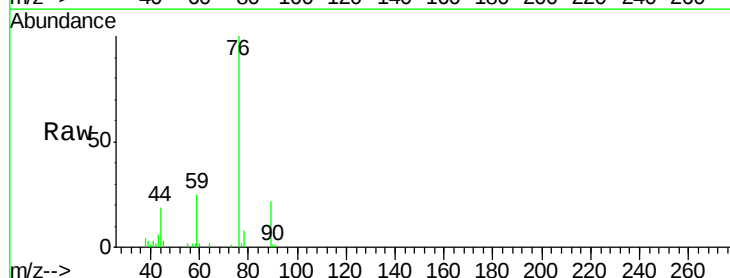
Acq: 01 Jul 2018 09:46

Tgt Ion: 59 Resp: 6566

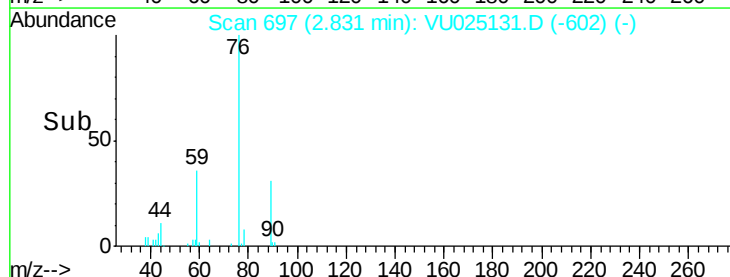
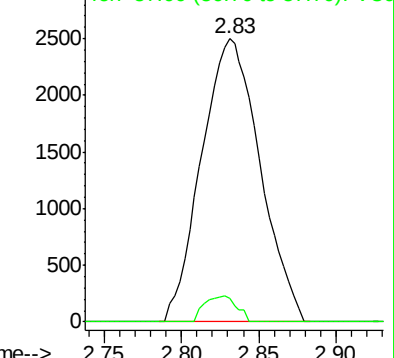
Ion Ratio Lower Upper

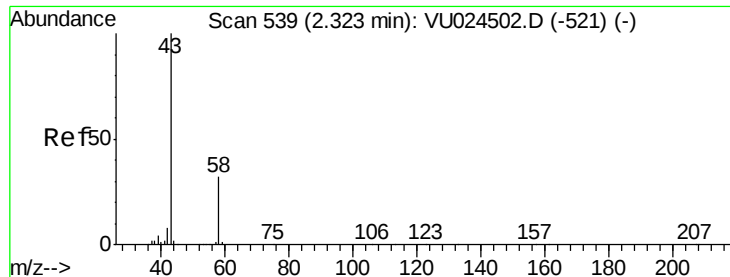
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU025131.D (-602) (-)





#16

Acetone

Concen: 6.19 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025131.D

Acq: 01 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

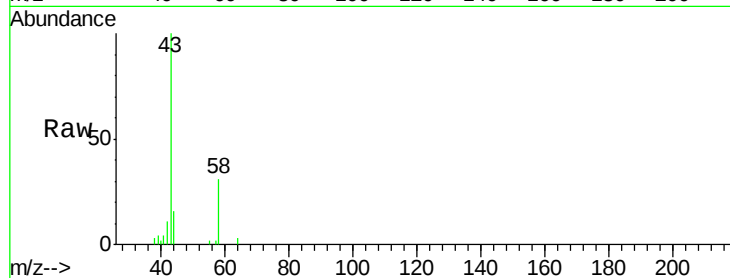
MW-8

Tot Ion: 43 Resp: 11624

Ion Ratio Lower Upper

43 100

58 31.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU025131.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025131.D (-446) (-)

2.32

6000

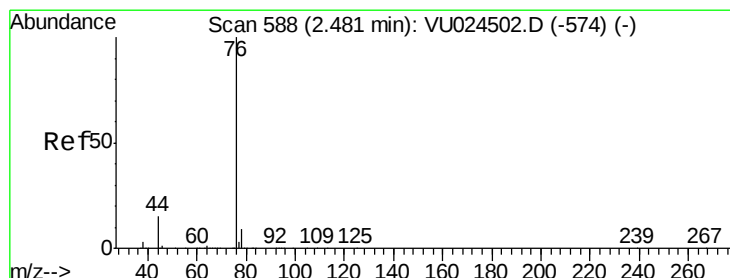
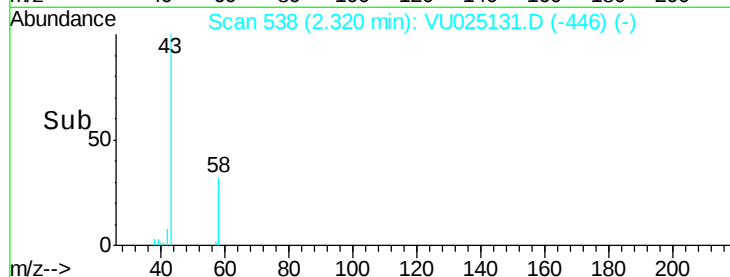
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#17

Carbon Disulfide

Concen: 2.06 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU025131.D

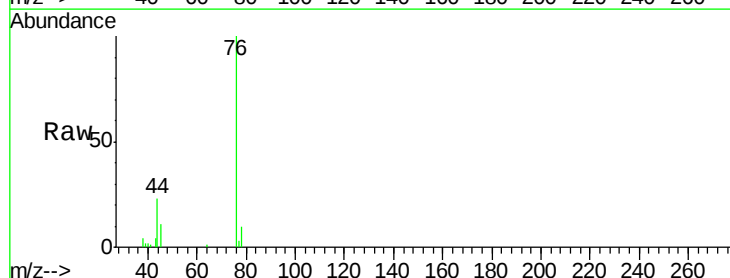
Acq: 01 Jul 2018 09:46

Tgt Ion: 76 Resp: 16076

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU025131.D (-495) (-)

Ion 77.90 (77.60 to 78.60): VU025131.D (-495) (-)

2.48

10000

8000

6000

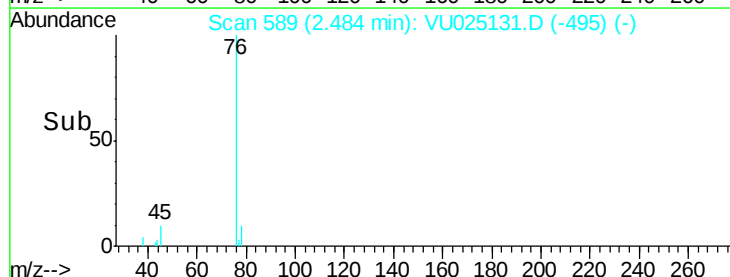
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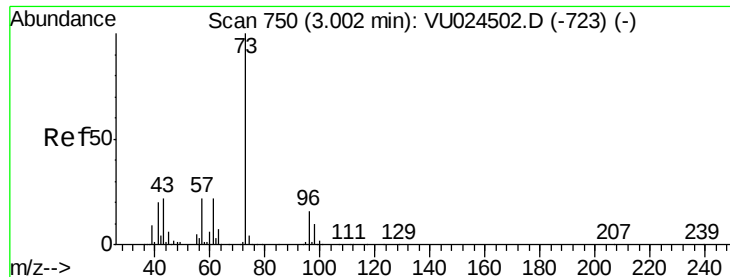
2000

0

Time-->

2.45 2.50



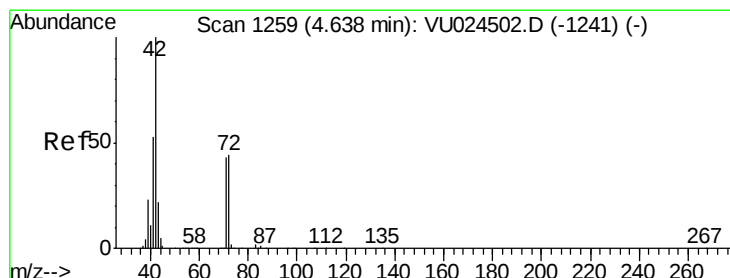
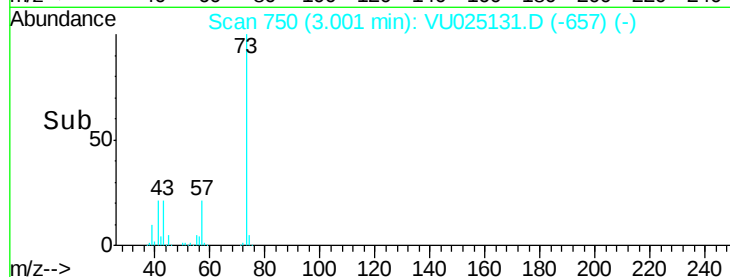
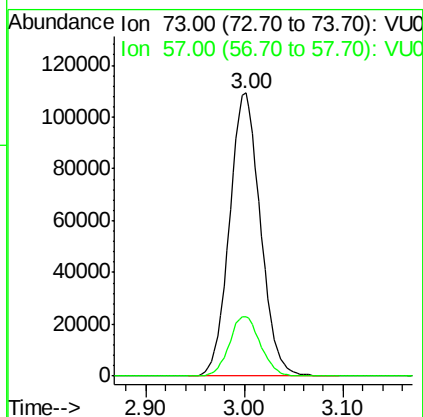
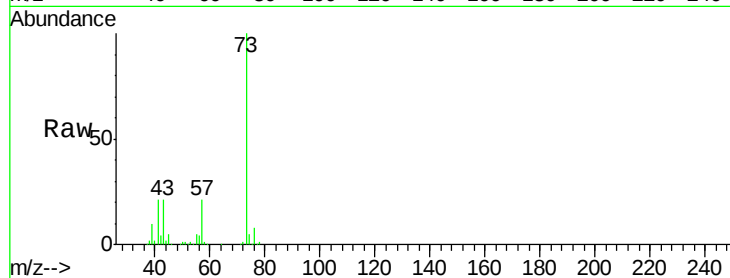


#19

Methyl tert-butyl Ether
 Concen: 26.07 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU025131.D
 Acq: 01 Jul 2018 09:46

Instrument :
 MSVOA_U
 ClientSampleID :
 MW-8

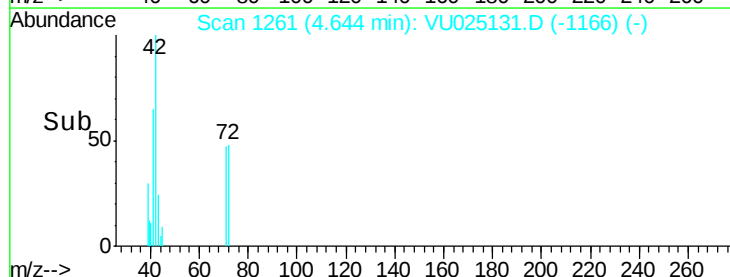
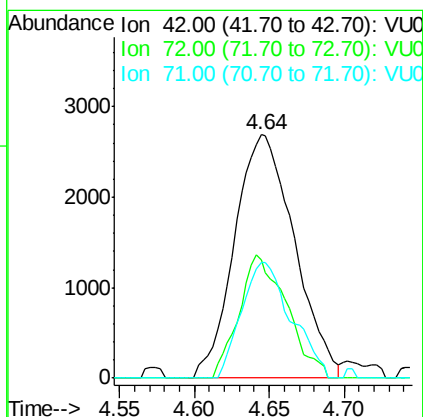
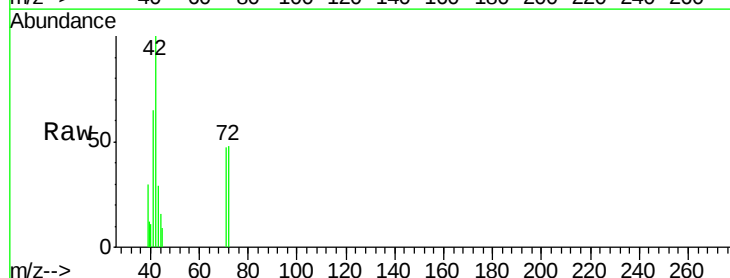
Tot Ion: 73 Resp: 238819
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.8 28.2

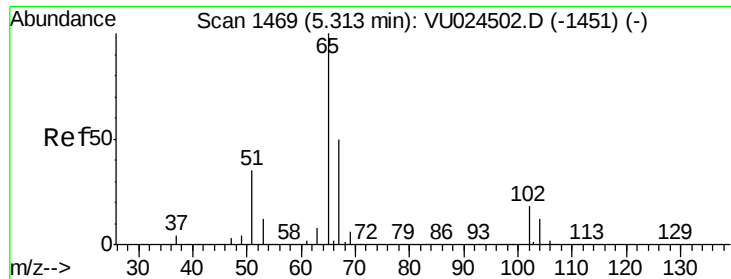


#29

Tetrahydrofuran
 Concen: 4.79 ug/l
 RT: 4.64 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VU025131.D
 Acq: 01 Jul 2018 09:46

Tgt Ion: 42 Resp: 7475
 Ion Ratio Lower Upper
 42 100
 72 40.4 34.5 51.7
 71 39.4 32.2 48.4

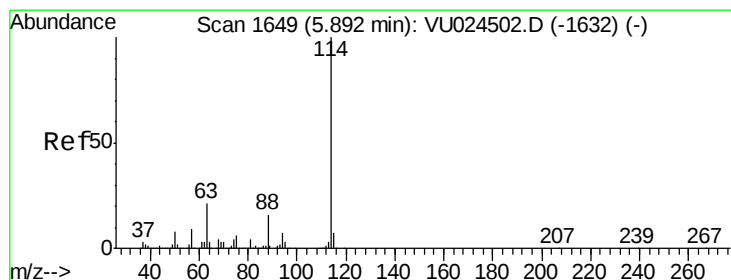
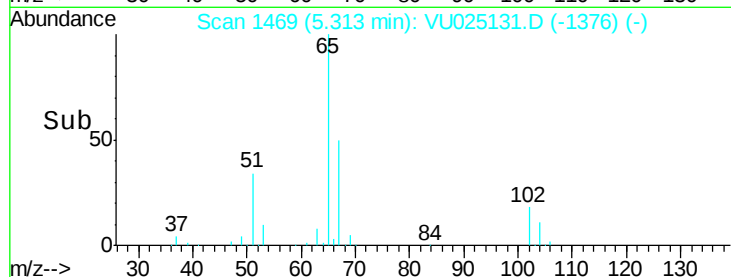
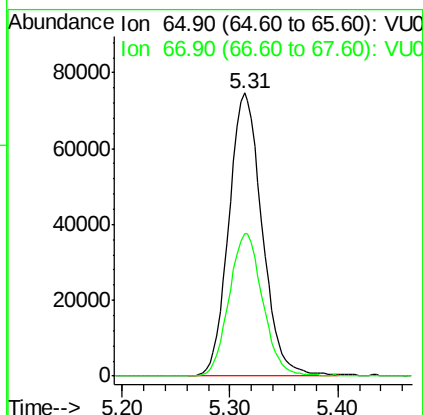
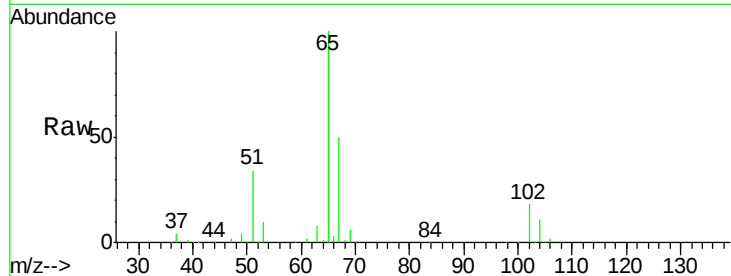




#33
 1,2-Dichloroethane-d4
 Concen: 45.80 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025131.D
 Acq: 01 Jul 2018 09:46

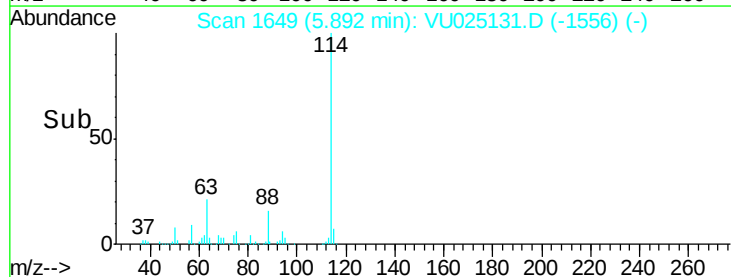
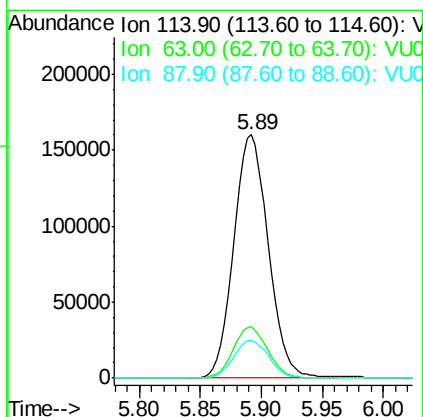
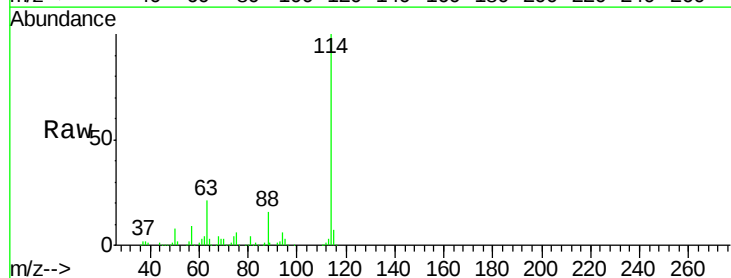
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

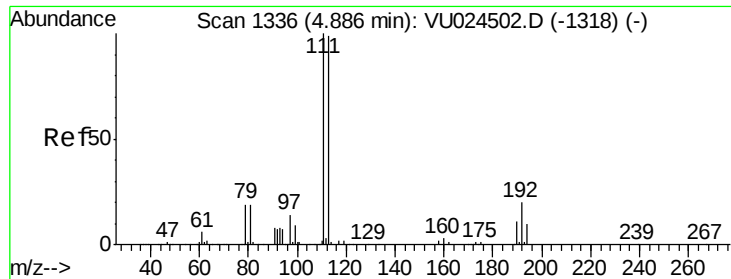
Tot Ion: 65 Resp: 160020
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025131.D
 Acq: 01 Jul 2018 09:46

Tgt Ion: 114 Resp: 314797
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 15.6 0.0 31.0

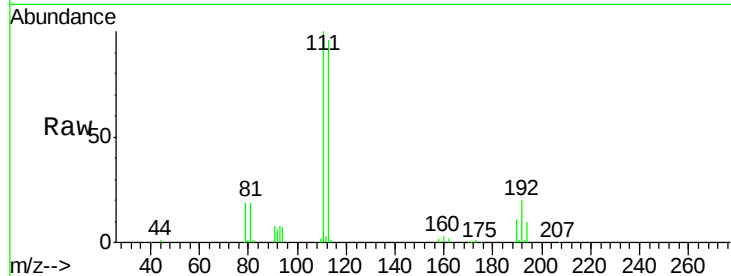




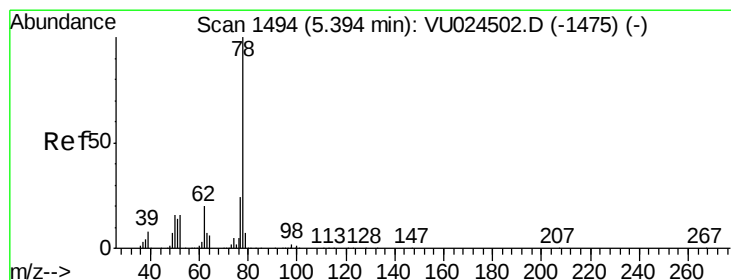
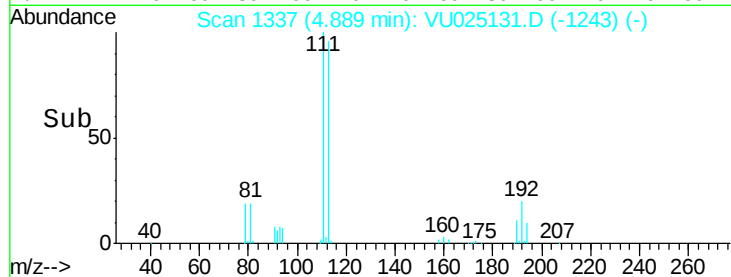
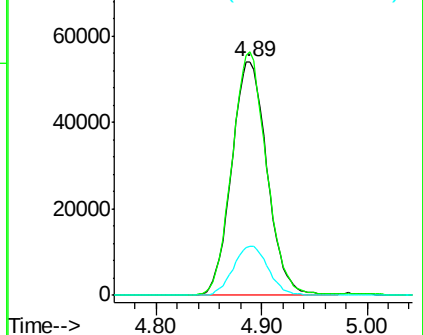
#35
 Dibromofluoromethane
 Concen: 48.37 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025131.D
 Acq: 01 Jul 2018 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Tot Ion:113 Resp: 126369
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.4
 192 20.8 16.2 24.4

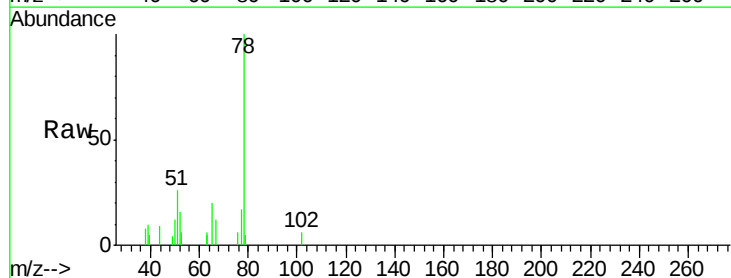


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

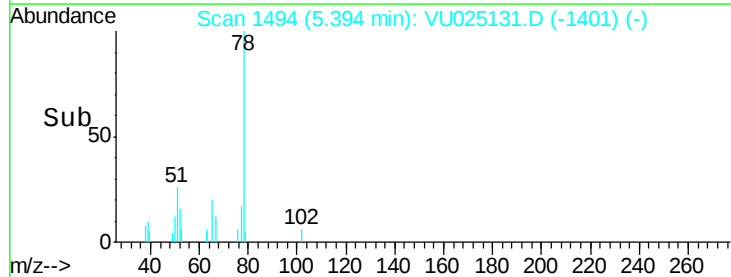
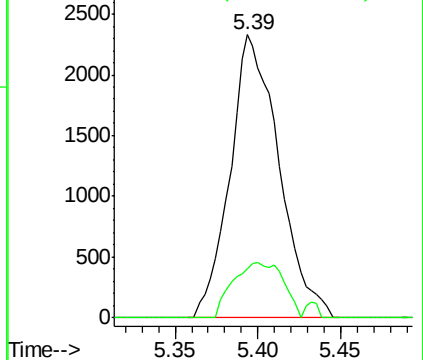


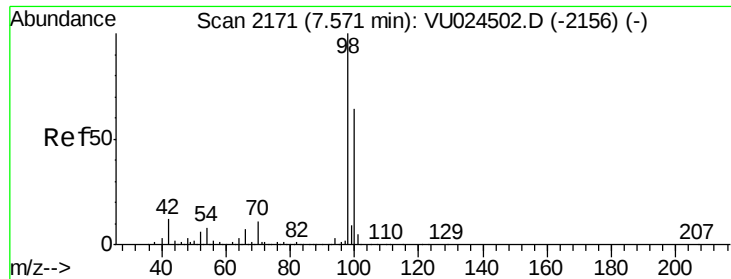
#40
 Benzene
 Concen: 0.45 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU025131.D
 Acq: 01 Jul 2018 09:46

Tgt Ion: 78 Resp: 4780
 Ion Ratio Lower Upper
 78 100
 77 17.3 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#50

Toluene-d8

Concen: 47.68 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025131.D

Acq: 01 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

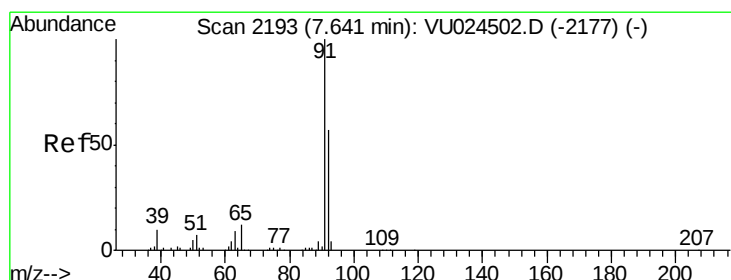
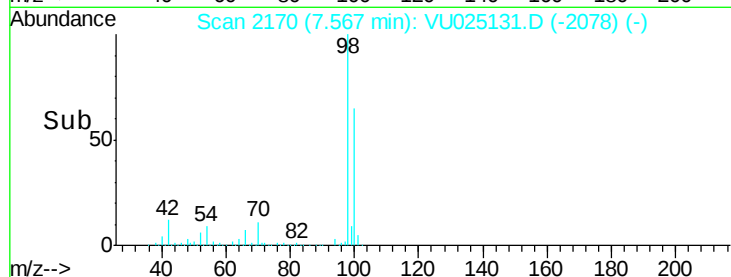
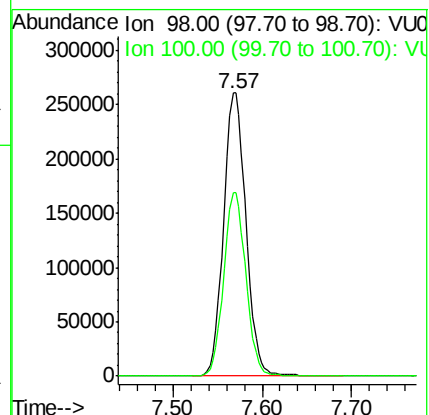
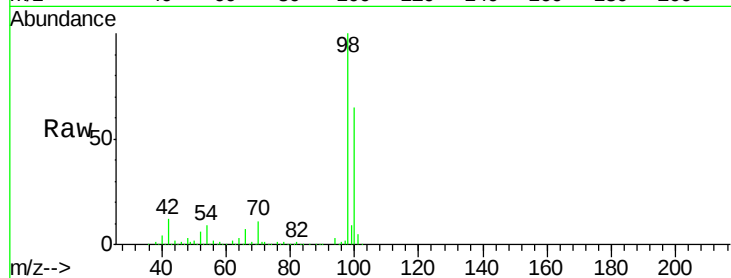
MW-8

Tot Ion: 98 Resp: 454375

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#52

Toluene

Concen: 0.87 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025131.D

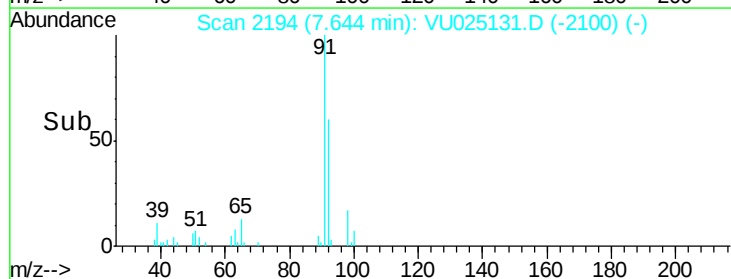
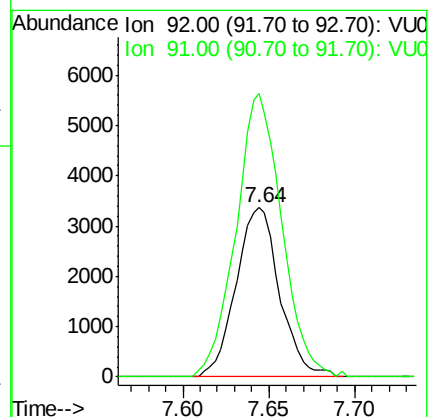
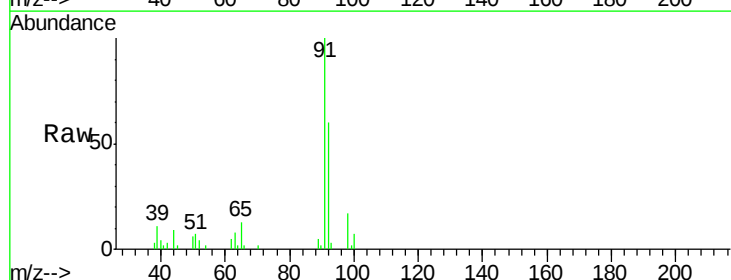
Acq: 01 Jul 2018 09:46

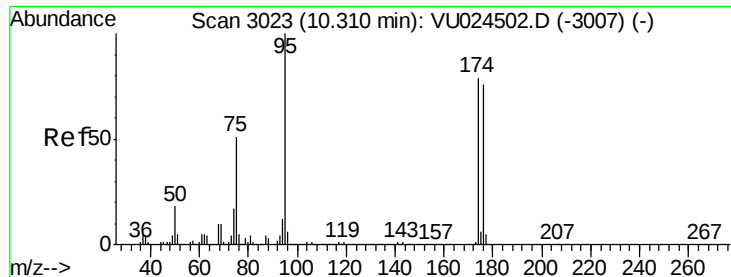
Tgt Ion: 92 Resp: 5917

Ion Ratio Lower Upper

92 100

91 176.1 140.5 210.7

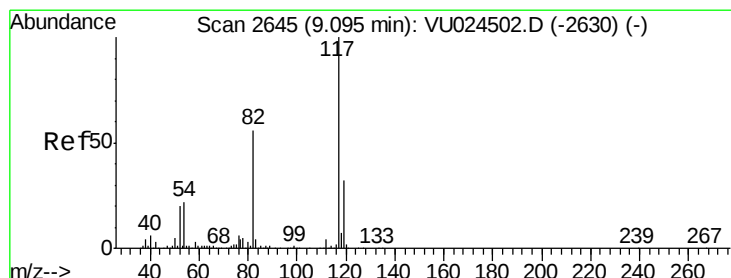
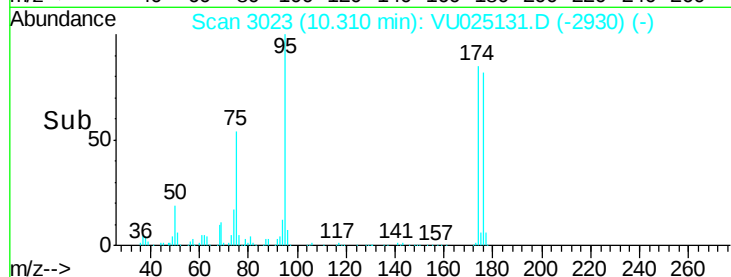
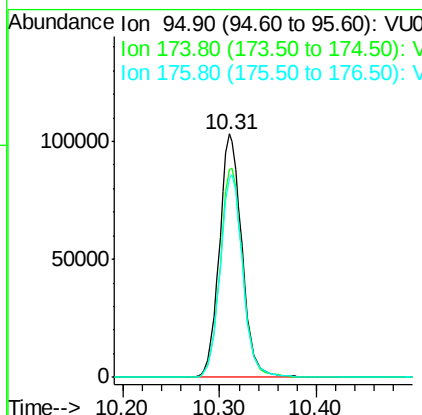
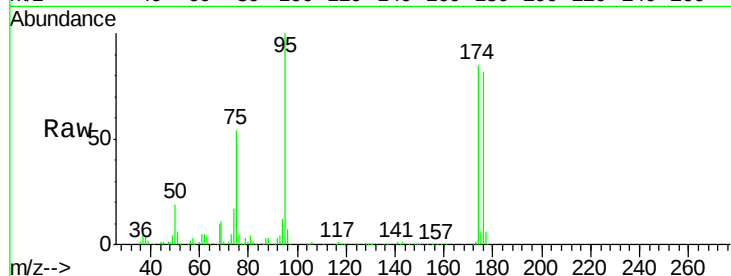




#62
4-Bromofluorobenzene
Concen: 43.99 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

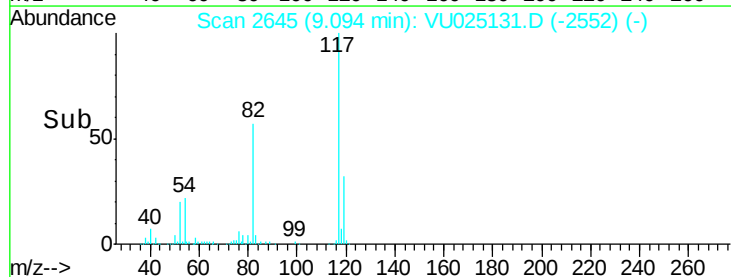
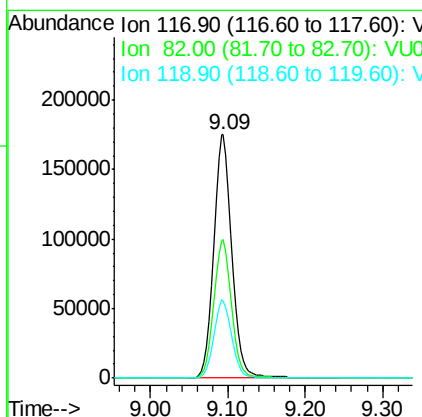
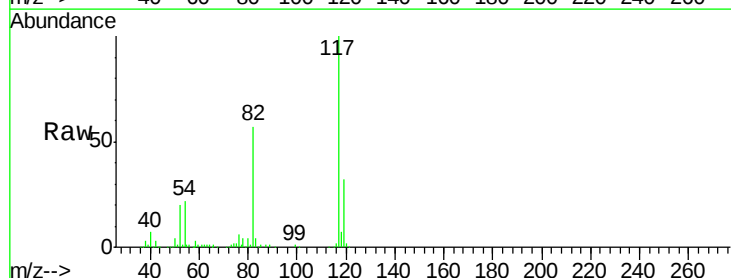
Instrument :
MSVOA_U
ClientSampled :
MW-8

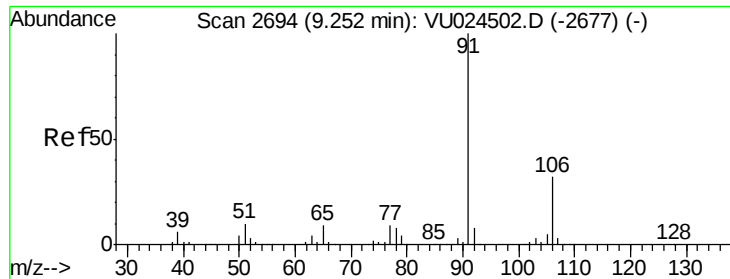
Tot Ion: 95 Resp: 166448
Ion Ratio Lower Upper
95 100
174 85.5 0.0 165.8
176 83.4 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

Tgt Ion: 117 Resp: 292477
Ion Ratio Lower Upper
117 100
82 56.9 44.3 66.5
119 31.9 25.4 38.2

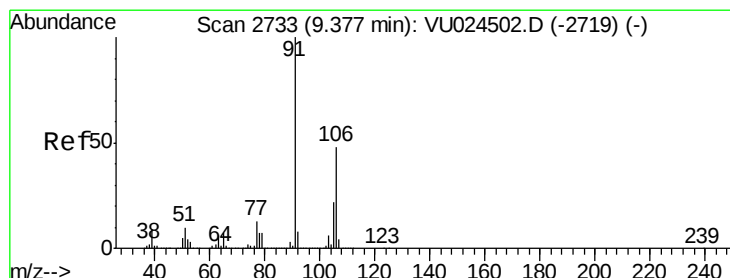
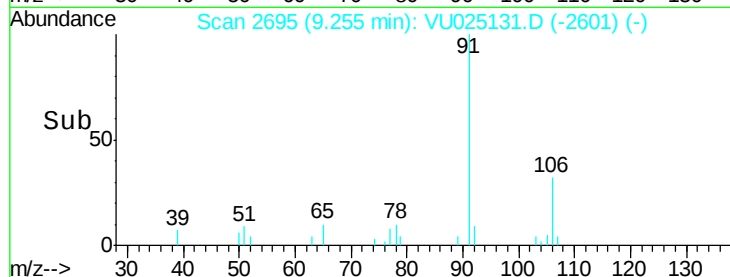
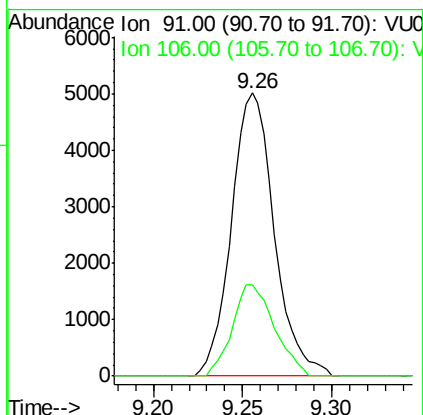
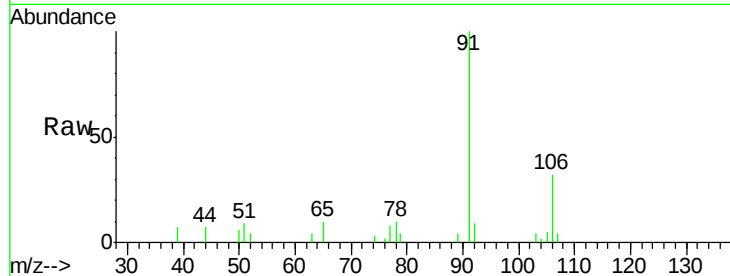




#67
Ethyl Benzene
Concen: 0.64 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

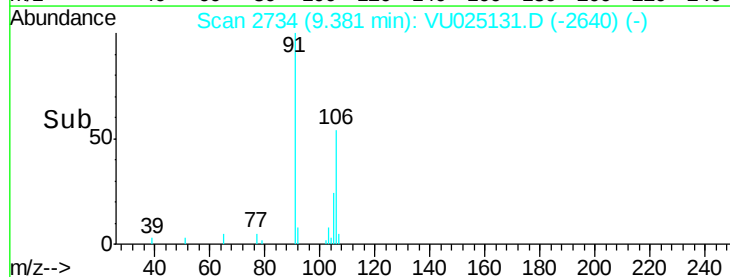
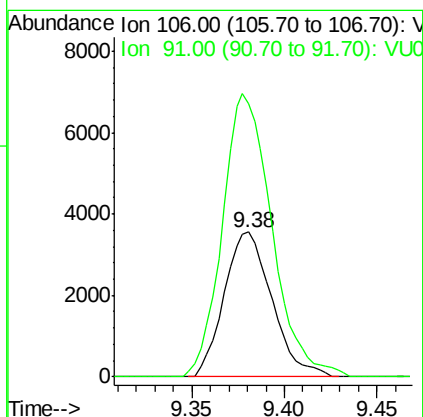
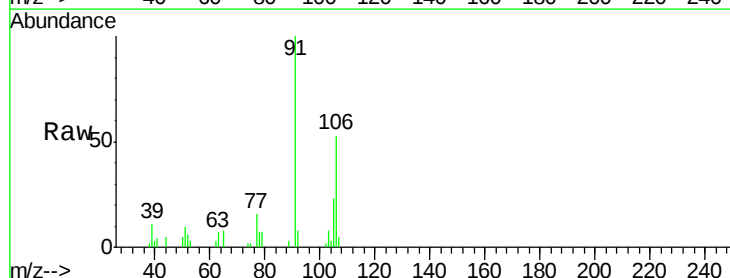
Instrument :
MSVOA_U
ClientSampleId :
MW-8

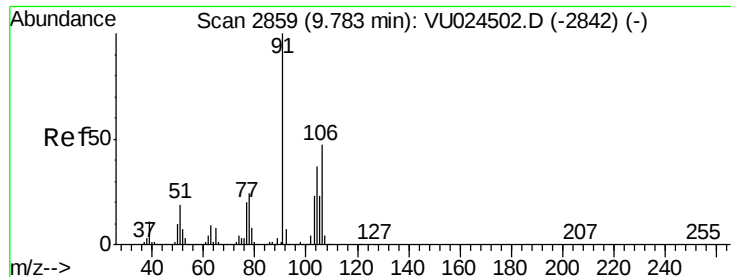
Tot Ion: 91 Resp: 8405
Ion Ratio Lower Upper
91 100
106 32.2 24.2 36.4



#68
m/p-Xylenes
Concen: 1.26 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

Tgt Ion: 106 Resp: 6356
Ion Ratio Lower Upper
106 100
91 202.4 166.5 249.7

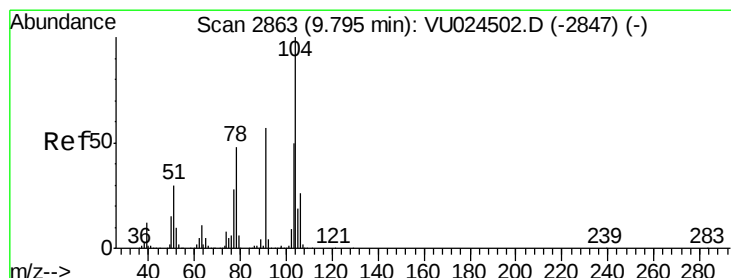
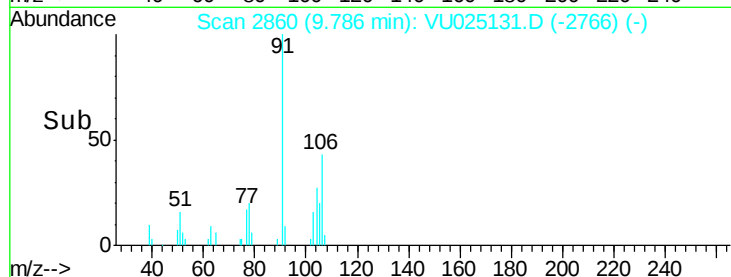
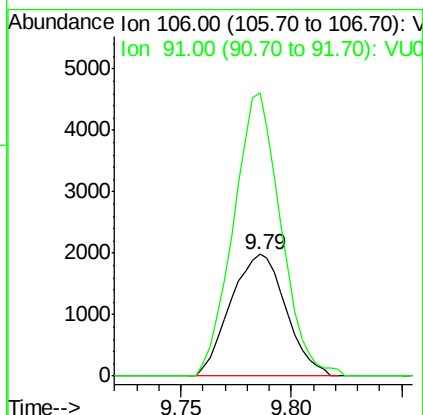
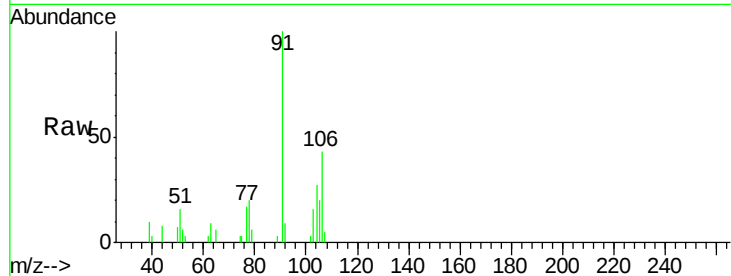




#69
o-Xylene
Concen: 0.69 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

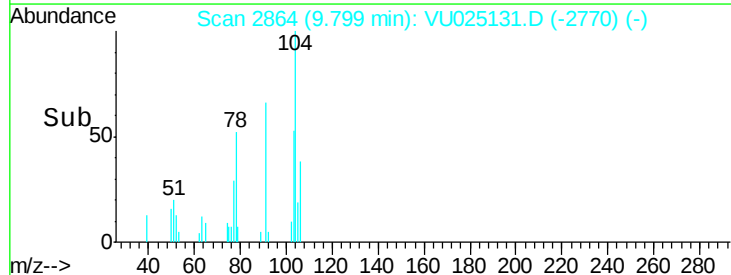
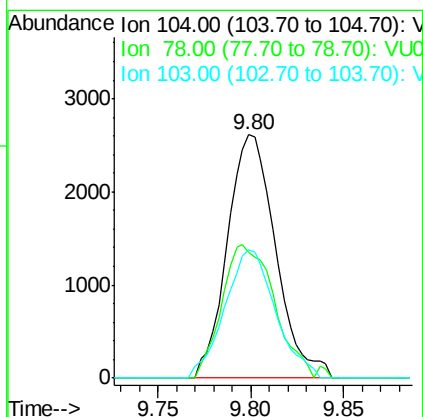
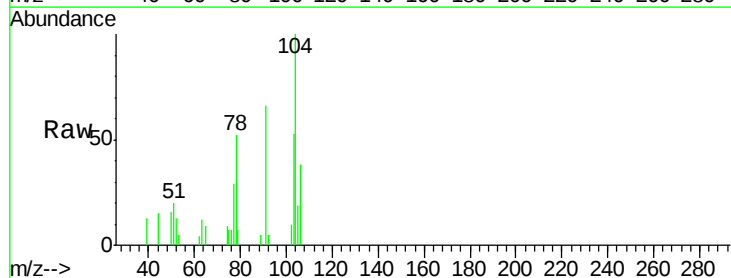
Instrument :
MSVOA_U
ClientSampled :
MW-8

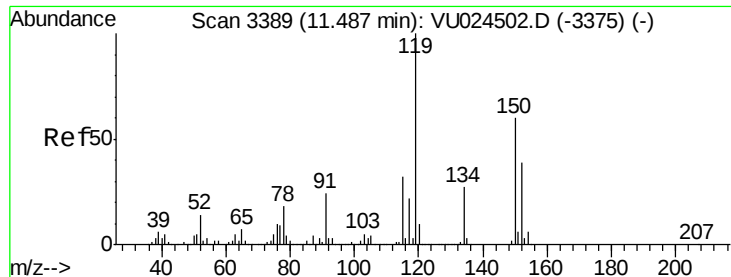
Tot Ion:106 Resp: 3456
Ion Ratio Lower Upper
106 100
91 199.9 110.7 331.9



#70
Styrene
Concen: 0.58 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

Tgt Ion:104 Resp: 4727
Ion Ratio Lower Upper
104 100
78 59.5 40.6 60.8
103 55.2 44.7 67.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025131.D

Acq: 01 Jul 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

MW-8

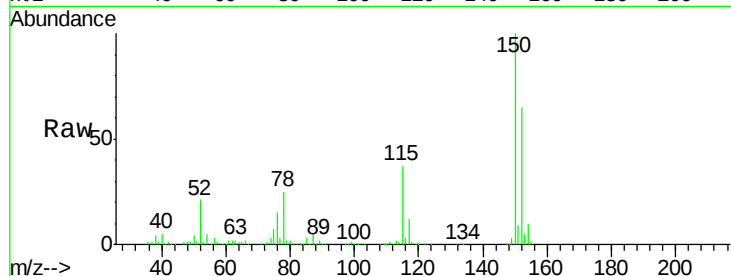
Tot Ion:152 Resp: 153627

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

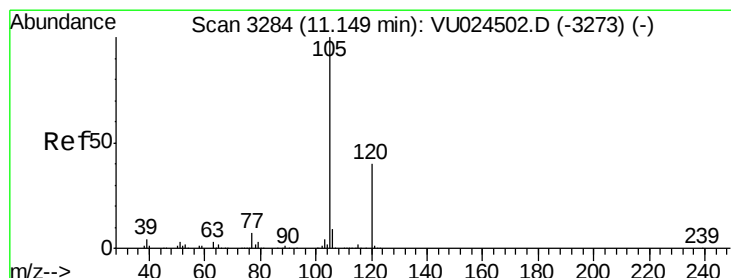
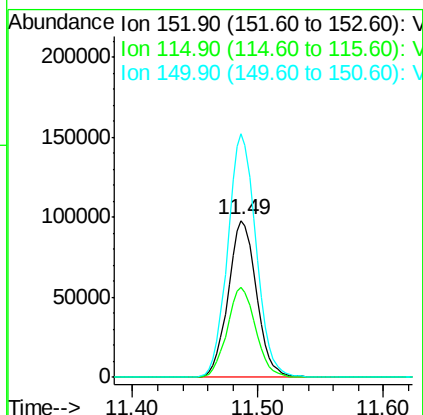
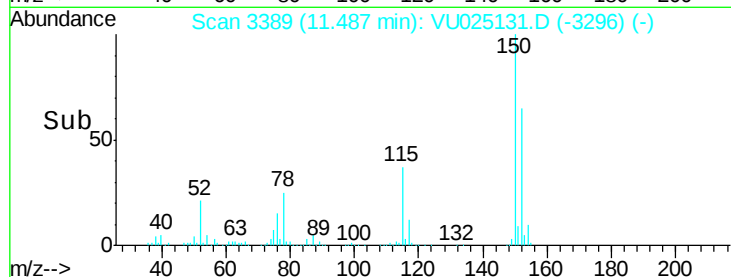
150 155.4 0.0 354.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.69 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025131.D

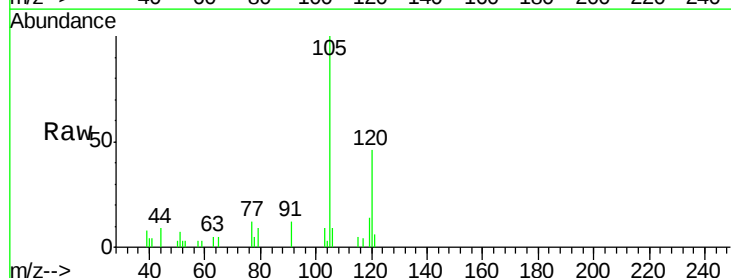
Acq: 01 Jul 2018 09:46

Tgt Ion:105 Resp: 7180

Ion Ratio Lower Upper

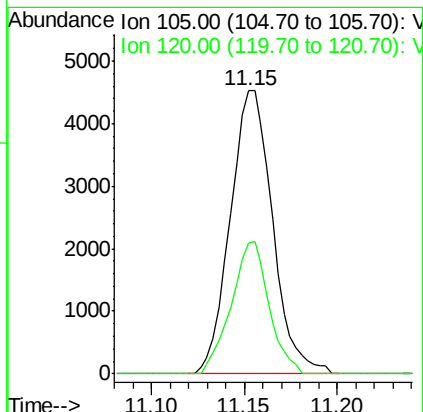
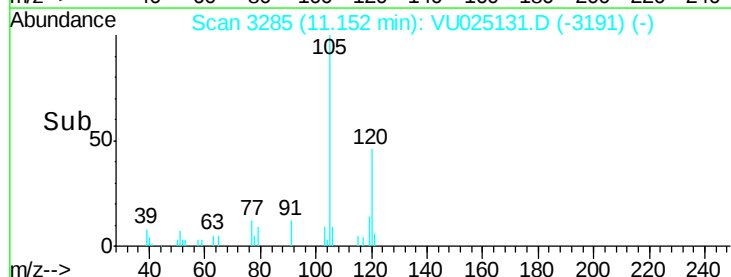
105 100

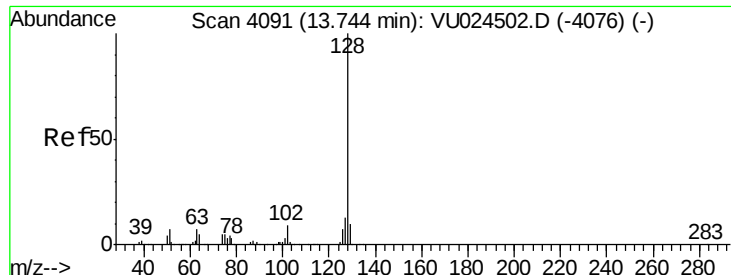
120 41.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 0.95 ug/l
RT: 13.75 min Scan# 4094
Delta R.T. 0.01 min
Lab File: VU025131.D
Acq: 01 Jul 2018 09:46

Instrument :
MSVOA_U
ClientSampleId :
MW-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.6	16.0#
129	5.8	8.6	12.8#

