

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025176.D
 Acq On : 03 Jul 2018 05:51
 Operator : MD/SY
 Sample : J3809-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-12-062818

Quant Time: Jul 03 07:07:53 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	199843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298556	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144344	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	152375	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
35) Dibromofluoromethane	4.89	113	116693	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	7.57	98	430243	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	10.31	95	155616	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	

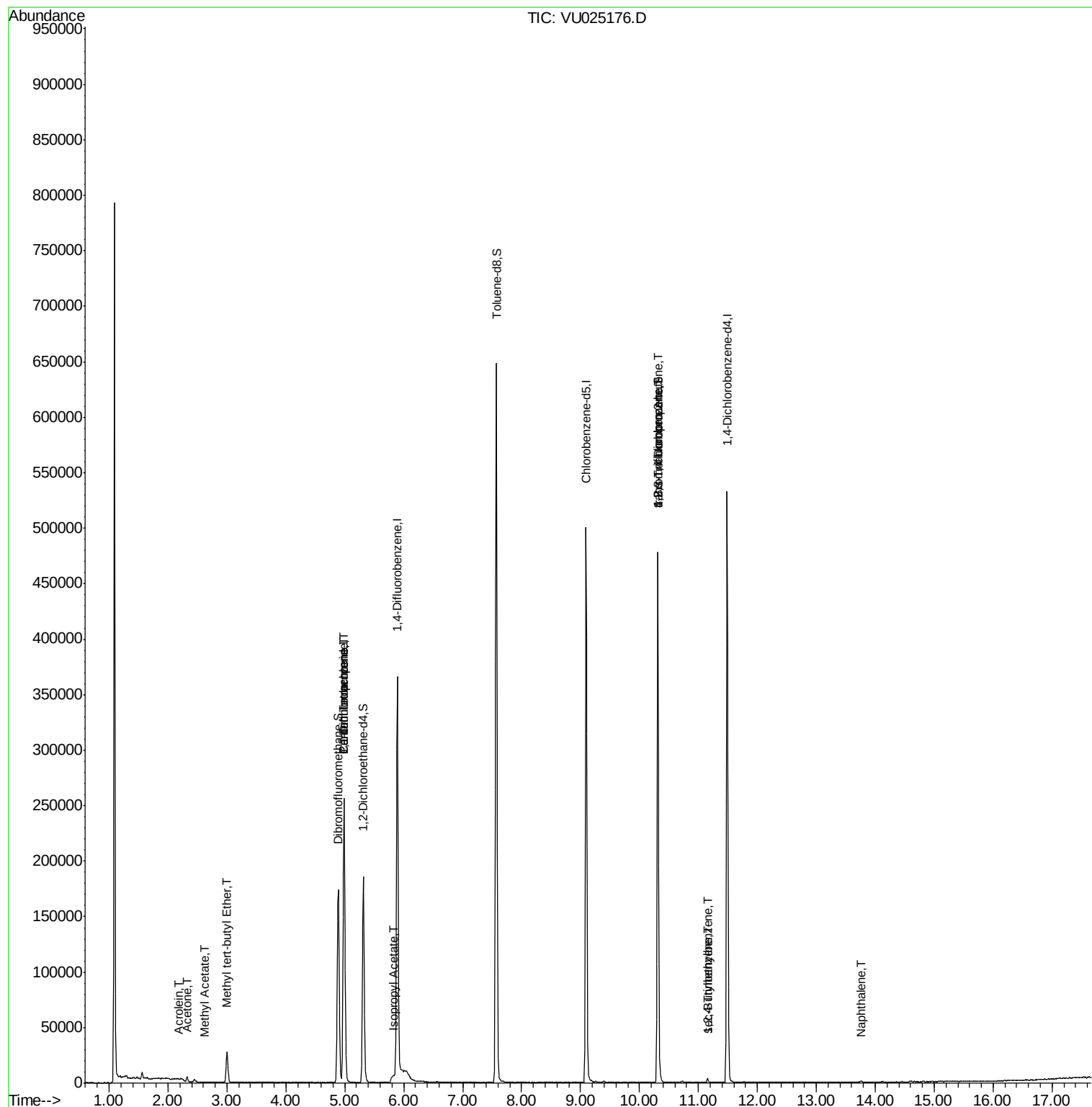
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	19	Below Cal	#	43
13) Acrolein	2.18	56	124	0.298	ug/l #	48
16) Acetone	2.32	43	4711	2.688	ug/l	100
18) Methyl Acetate	2.62	43	813	0.216	ug/l #	64
19) Methyl tert-butyl Ether	3.00	73	28834	3.371	ug/l	97
31) Cyclohexane	4.99	56	3676	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14507	4.135	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18990	4.922	ug/l #	17
43) Isopropyl Acetate	5.82	43	6062	0.917	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	82144	25.848	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	82144	59.824	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.16	105	2469	0.252	ug/l	98
85) sec-Butylbenzene	11.16	105	2469	0.213	ug/l #	57
95) Naphthalene	13.76	128	1228	0.793	ug/l #	69

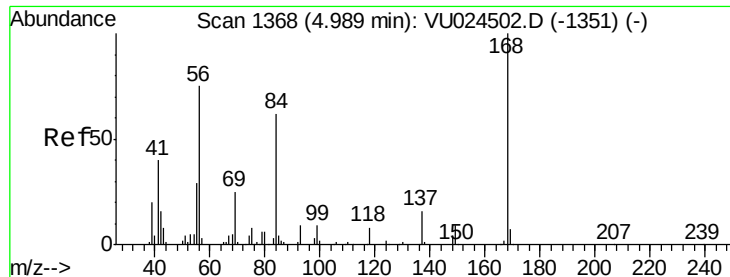
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

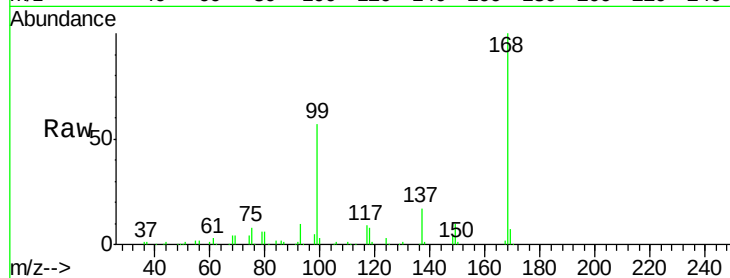
MW-12-062818

Tot Ion:168 Resp: 199843

Ion Ratio Lower Upper

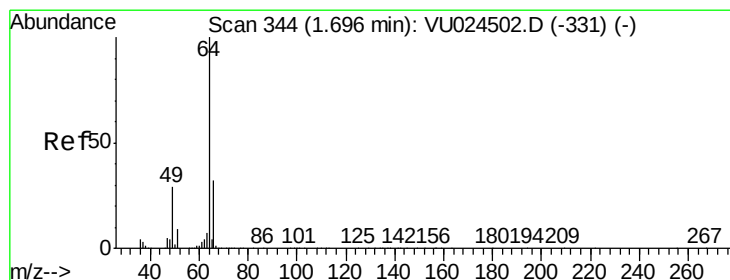
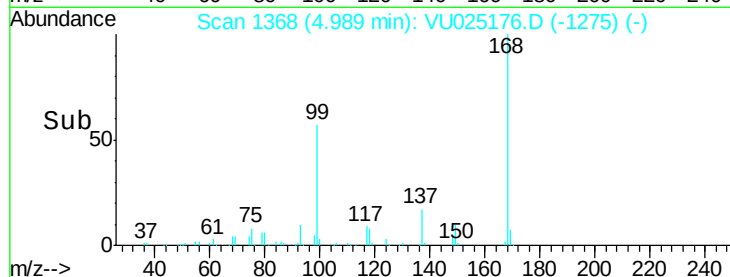
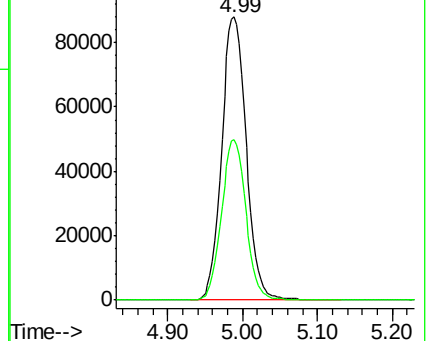
168 100

99 56.6 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) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025176.D

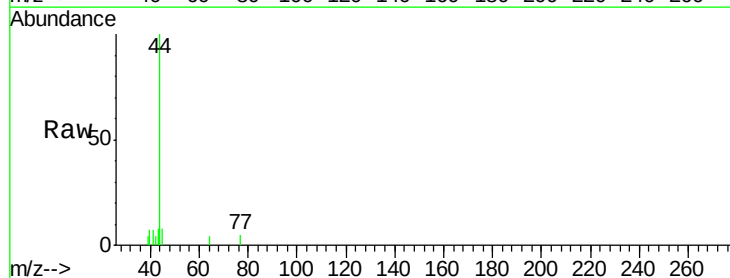
Acq: 03 Jul 2018 05:51

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

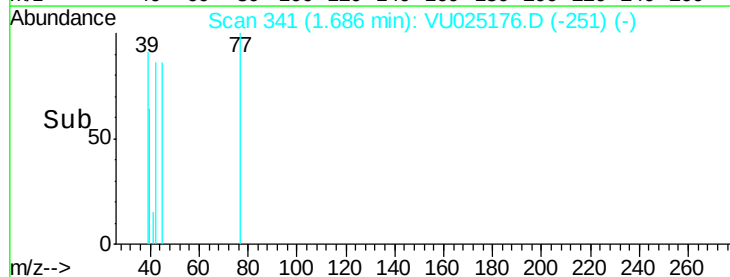
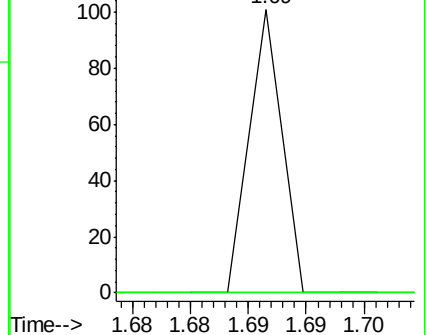
64 100

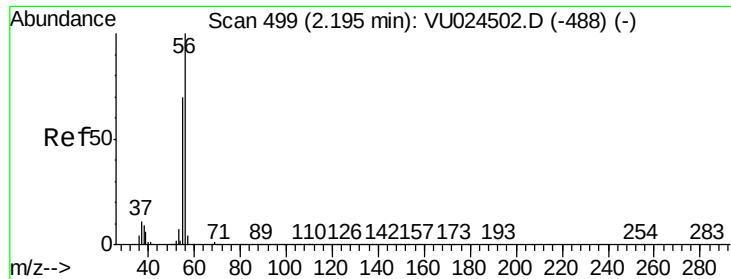
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)





#13

Acrolein

Concen: 0.298 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

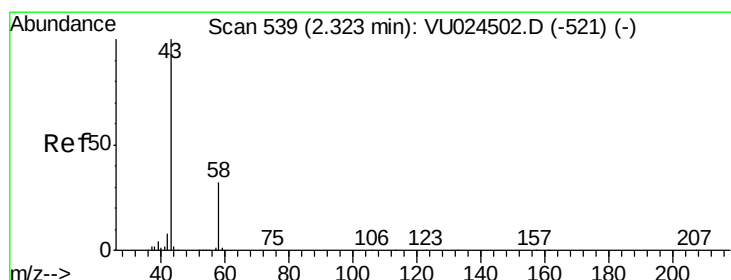
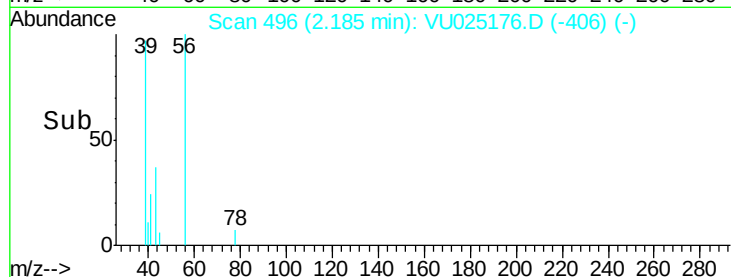
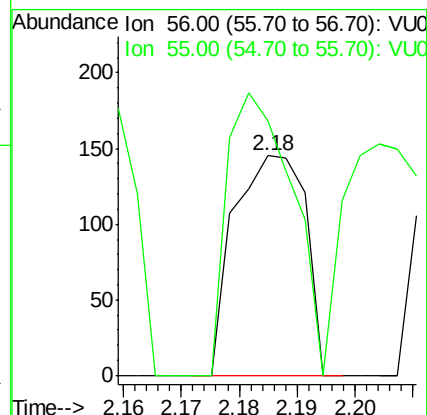
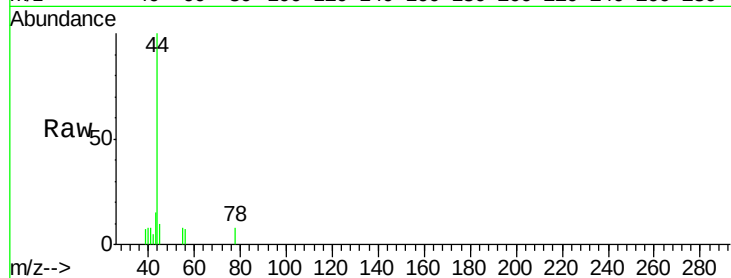
MW-12-062818

Tot Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 116.9 58.4 87.6#



#16

Acetone

Concen: 2.688 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025176.D

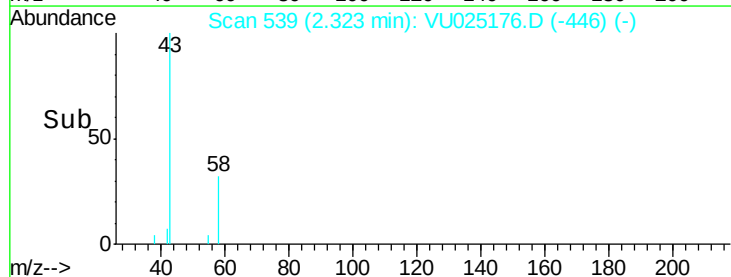
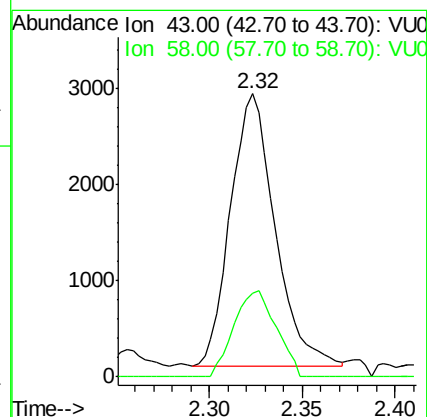
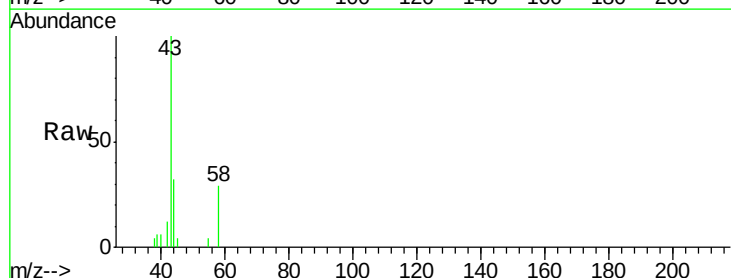
Acq: 03 Jul 2018 05:51

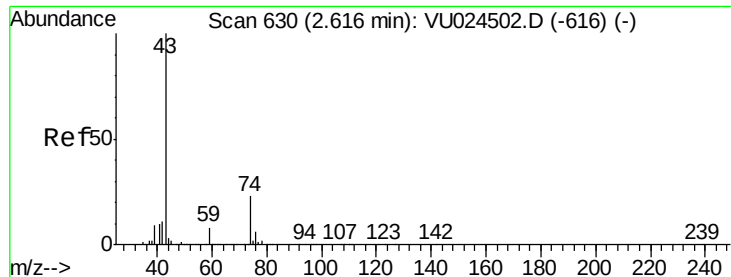
Tgt Ion: 43 Resp: 4711

Ion Ratio Lower Upper

43 100

58 30.6 24.4 36.6

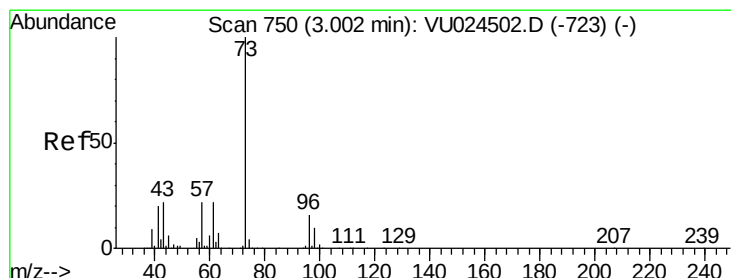
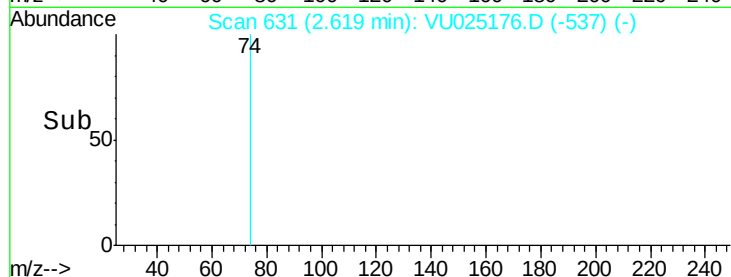
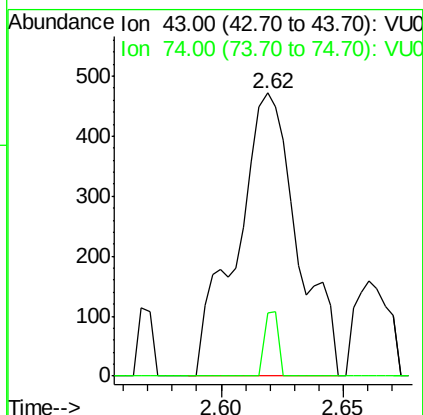
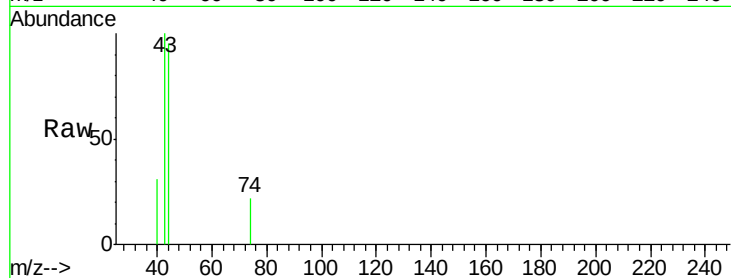




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025176.D
Acq: 03 Jul 2018 05:51

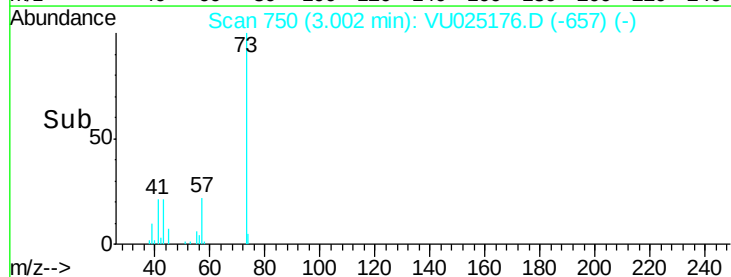
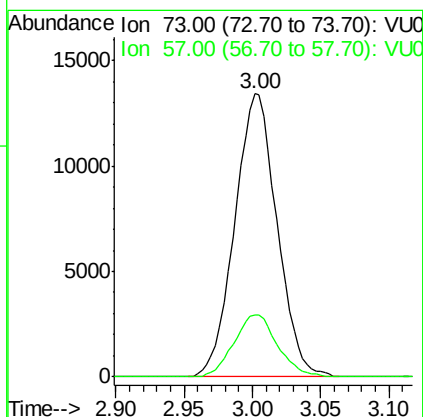
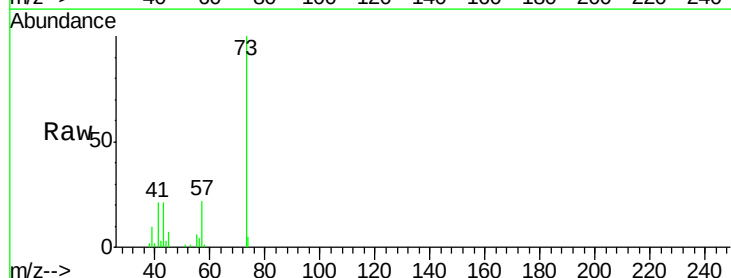
Instrument :
MSVOA_U
ClientSampleId :
MW-12-062818

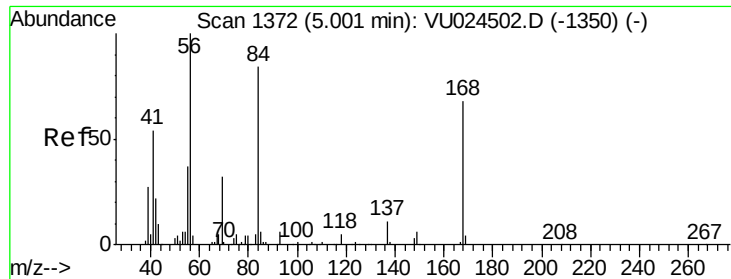
Tot Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
74 5.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 3.371 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025176.D
Acq: 03 Jul 2018 05:51

Tgt Ion: 73 Resp: 28834
Ion Ratio Lower Upper
73 100
57 21.9 18.8 28.2

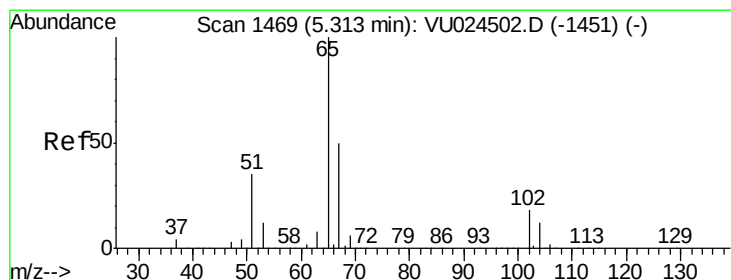
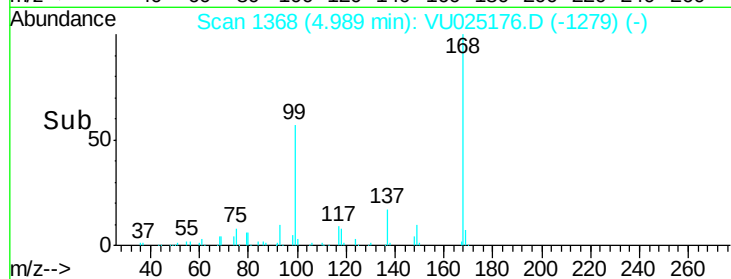
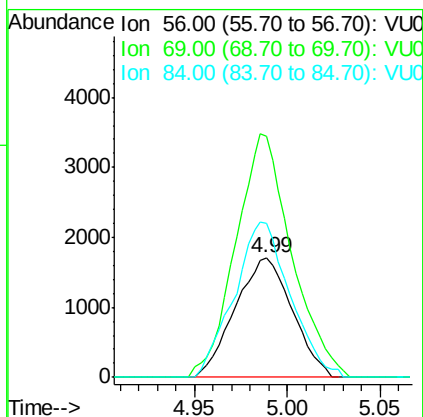
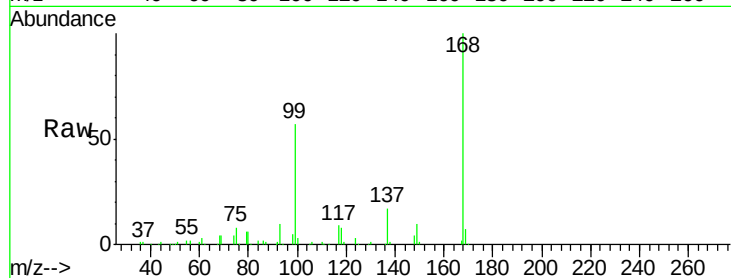




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025176.D
Acq: 03 Jul 2018 05:51

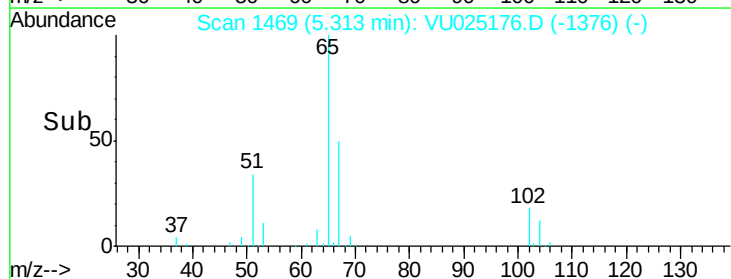
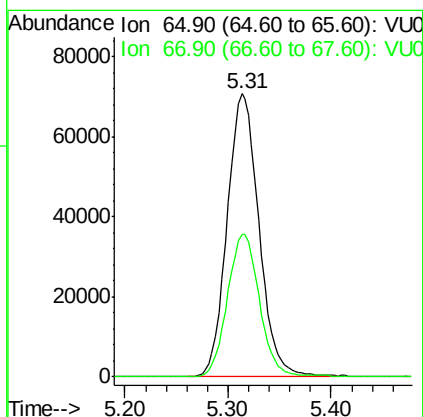
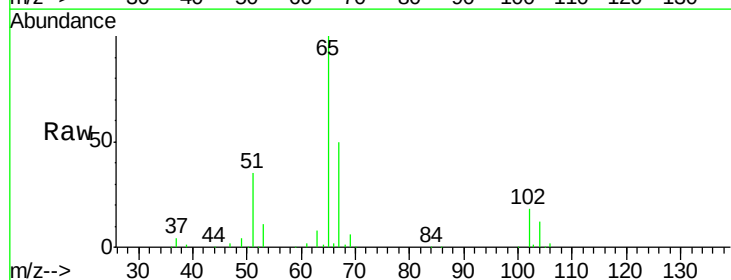
Instrument :
MSVOA_U
ClientSampleId :
MW-12-062818

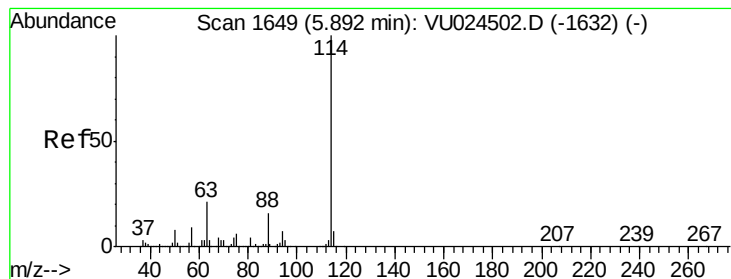
Tot Ion: 56 Resp: 3676
Ion Ratio Lower Upper
56 100
69 200.8 24.8 37.2#
84 128.2 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.705 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025176.D
Acq: 03 Jul 2018 05:51

Tgt Ion: 65 Resp: 152375
Ion Ratio Lower Upper
65 100
67 50.6 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: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

MW-12-062818

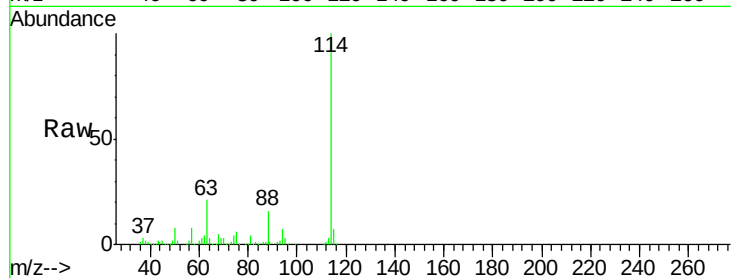
Tot Ion:114 Resp: 298556

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

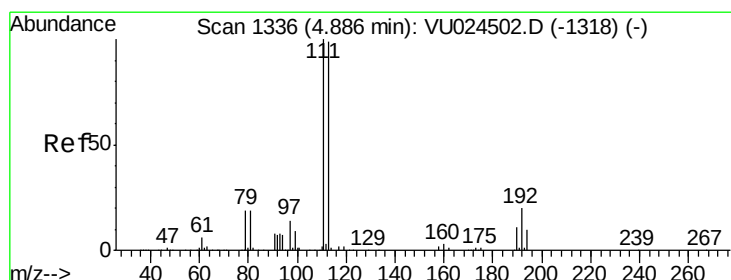
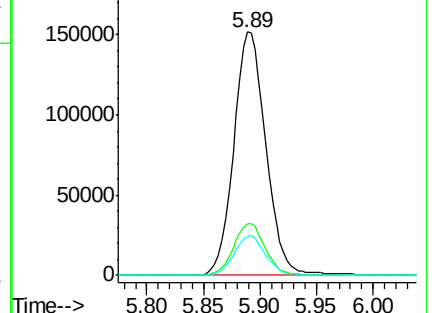
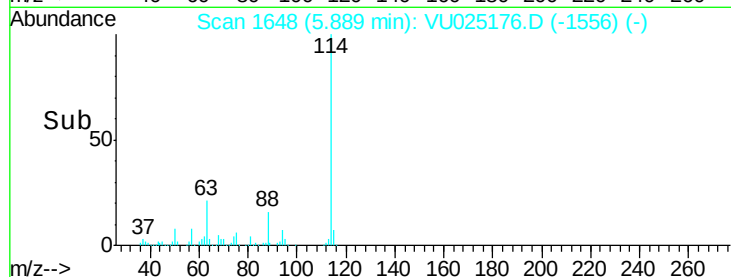
88 16.1 0.0 31.0



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: 47.096 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

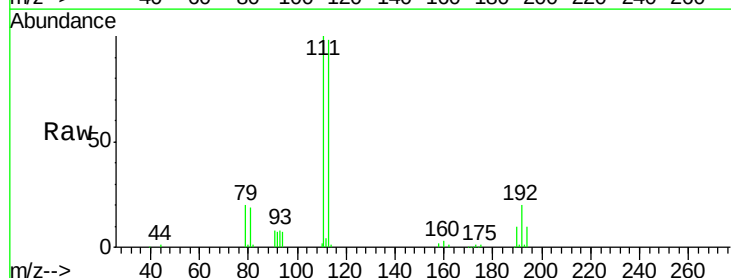
Tgt Ion:113 Resp: 116693

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

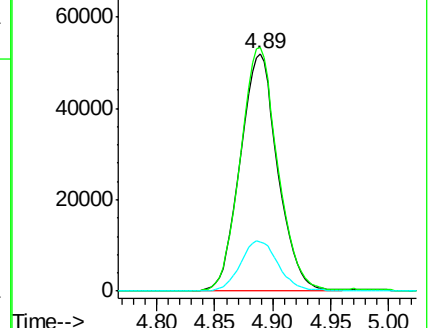
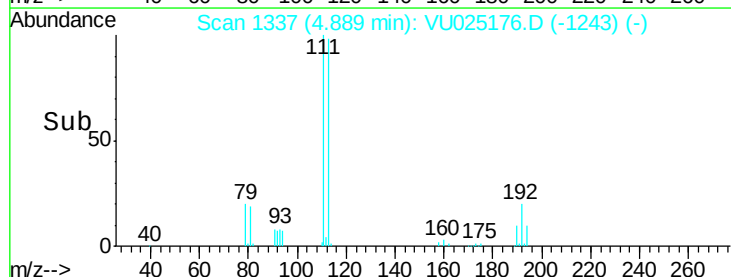
192 21.4 16.2 24.4

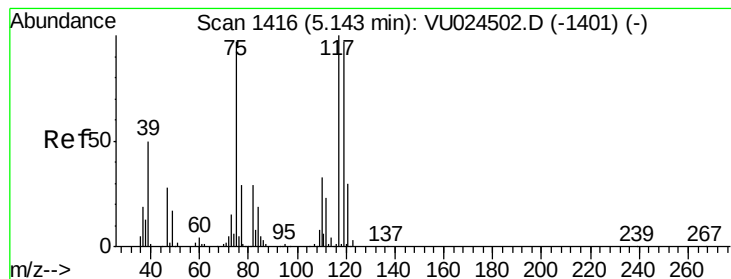


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.135 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

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MW-12-062818

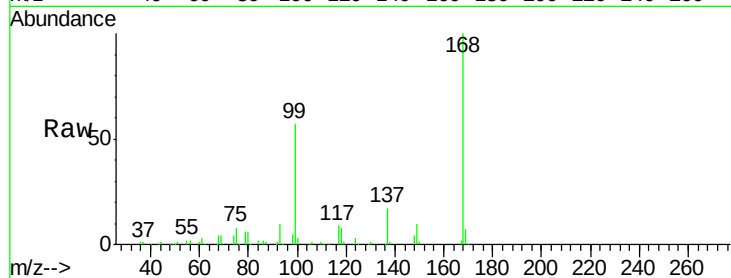
Tot Ion: 75 Resp: 14507

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

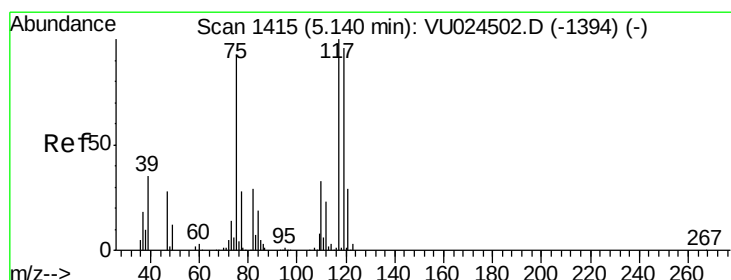
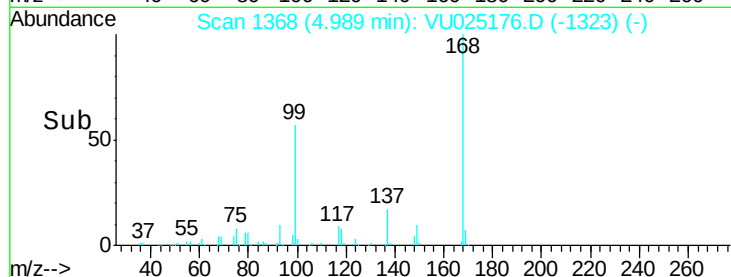
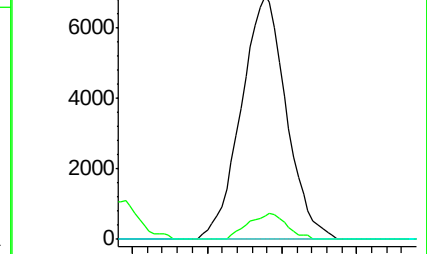
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU025176.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU025176.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU025176.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 4.922 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

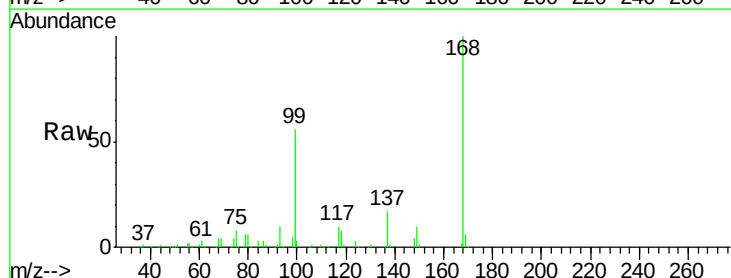
Tgt Ion: 117 Resp: 18990

Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

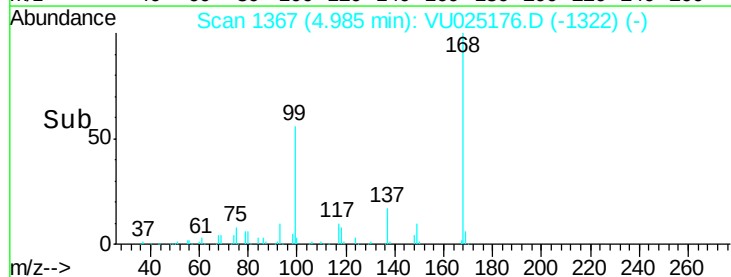
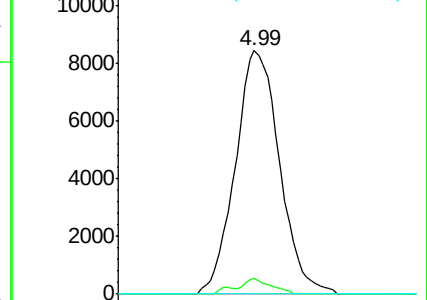
121 0.0 23.7 35.5#

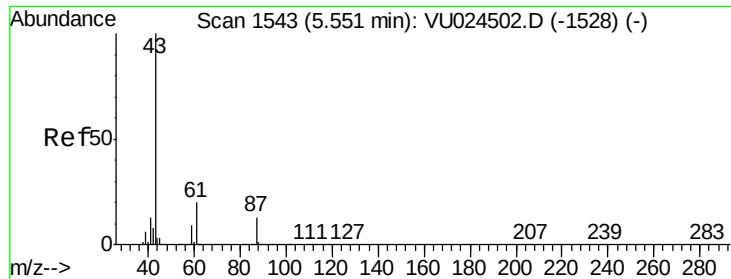


Abundance Ion 116.80 (116.50 to 117.50): VU025176.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU025176.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU025176.D (-1322) (-)





#43

Isopropyl Acetate

Concen: 0.917 ug/l

RT: 5.82 min Scan# 1627

Delta R.T. 0.27 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

MW-12-062818

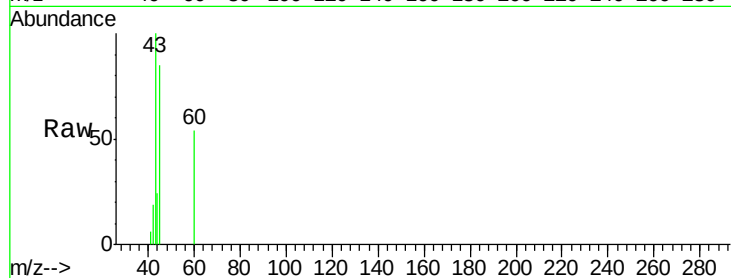
Tot Ion: 43 Resp: 6062

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

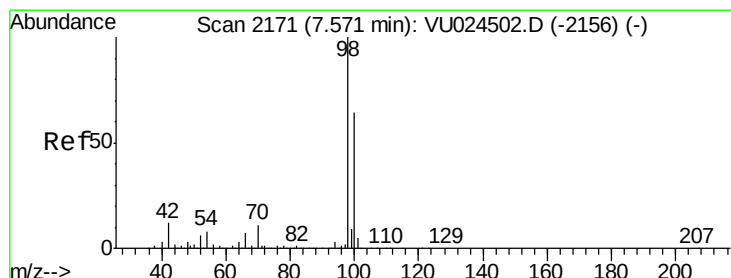
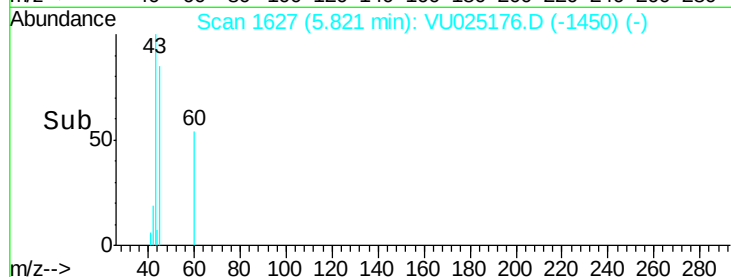
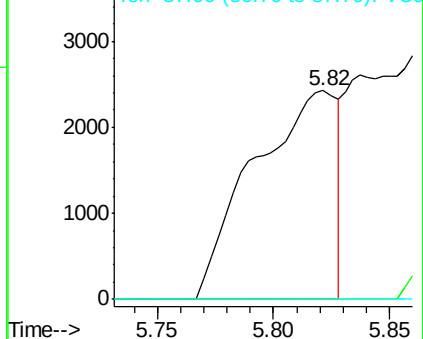
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 47.604 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025176.D

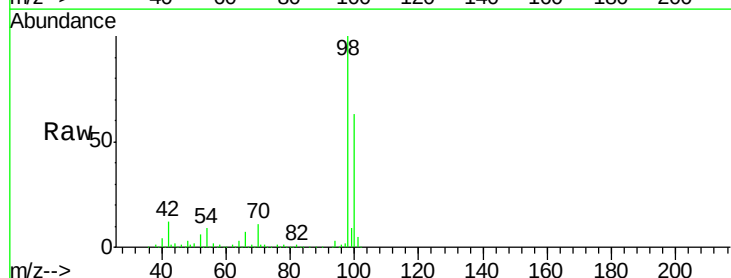
Acq: 03 Jul 2018 05:51

Tgt Ion: 98 Resp: 430243

Ion Ratio Lower Upper

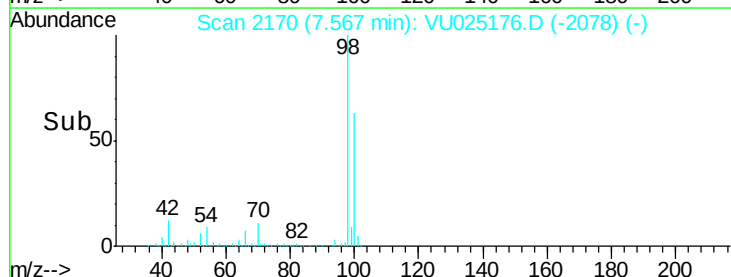
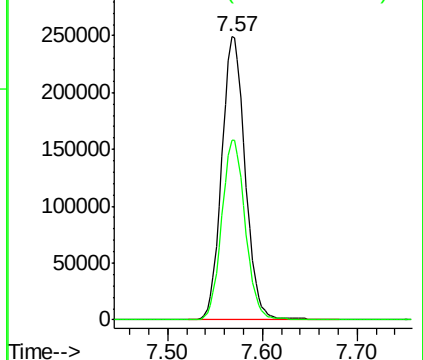
98 100

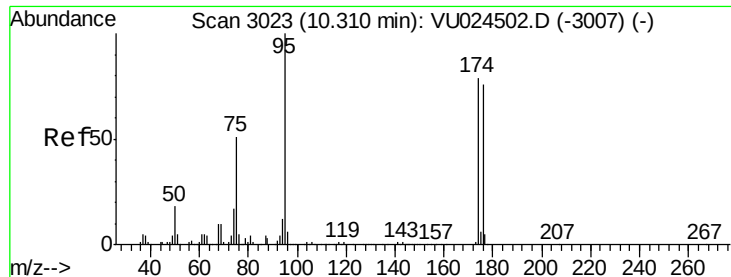
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

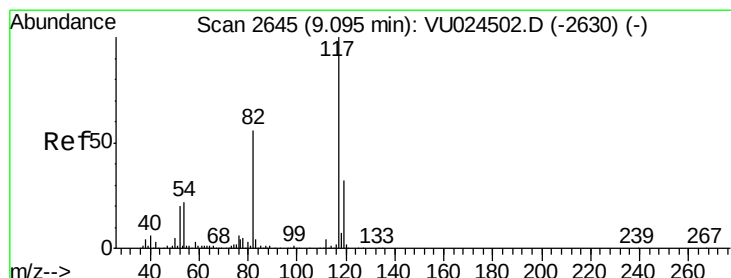
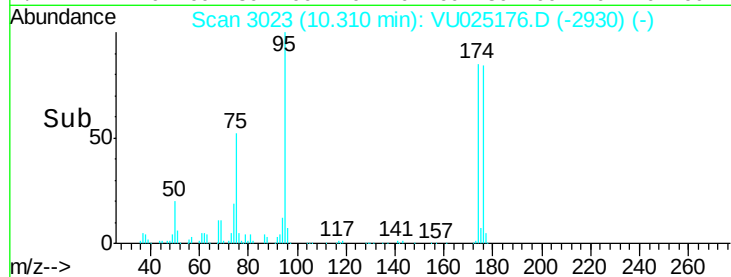
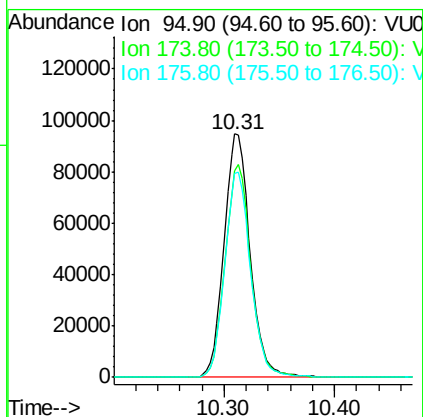
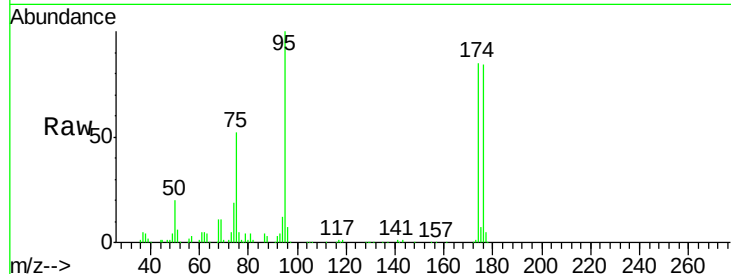




#62
4-Bromofluorobenzene
Concen: 43.366 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025176.D
Acq: 03 Jul 2018 05:51

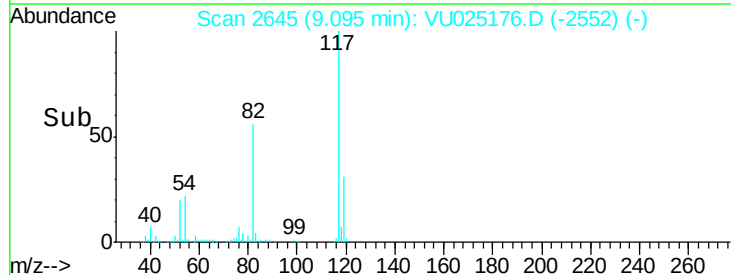
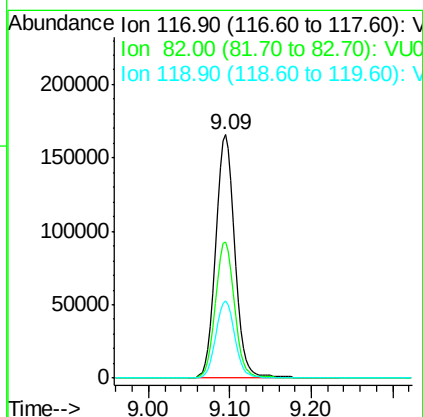
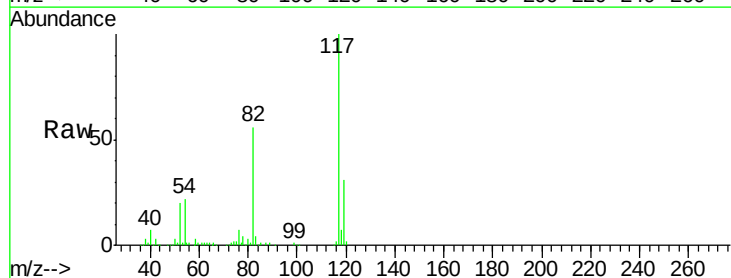
Instrument :
MSVOA_U
ClientSampleId :
MW-12-062818

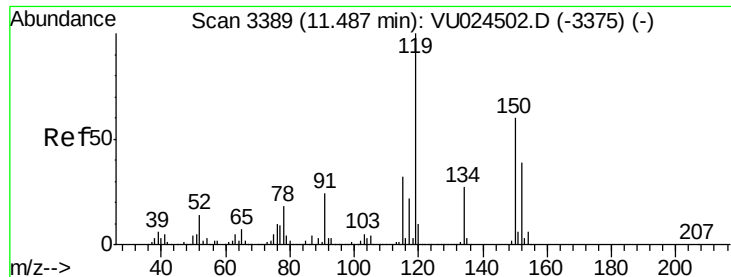
Tot Ion: 95 Resp: 155616
Ion Ratio Lower Upper
95 100
174 86.3 0.0 165.8
176 83.6 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025176.D
Acq: 03 Jul 2018 05:51

Tgt Ion: 117 Resp: 277137
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 31.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

MW-12-062818

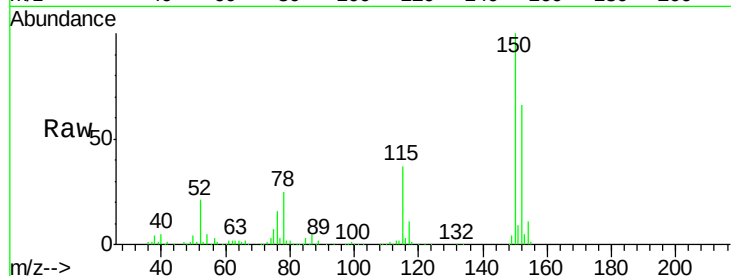
Tot Ion:152 Resp: 144344

Ion Ratio Lower Upper

152 100

115 57.1 43.0 129.0

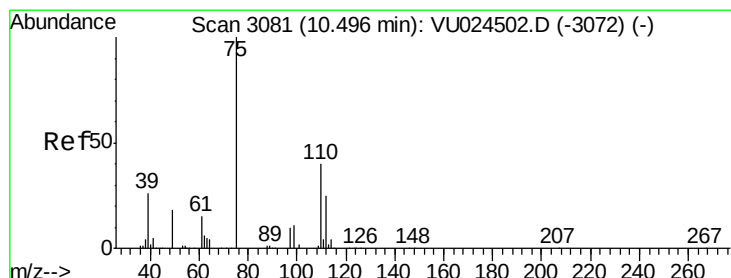
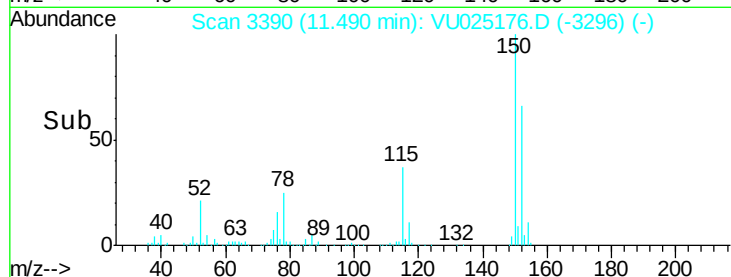
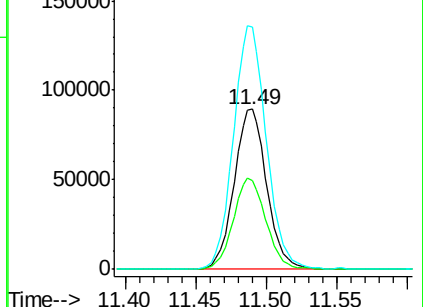
150 153.8 0.0 354.0



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



#76

1,2,3-Trichloropropane

Concen: 25.848 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025176.D

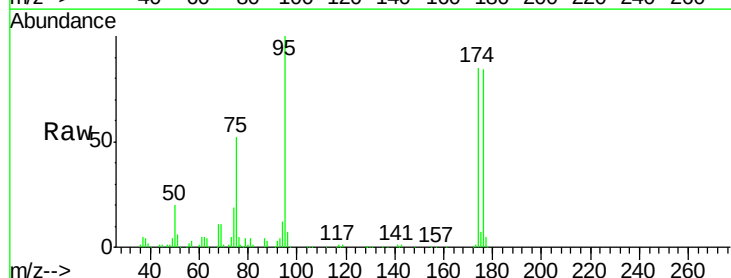
Acq: 03 Jul 2018 05:51

Tgt Ion: 75 Resp: 82144

Ion Ratio Lower Upper

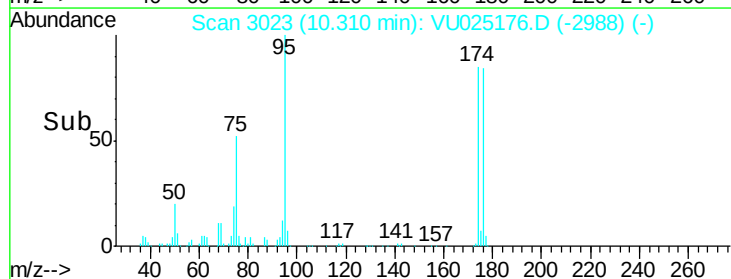
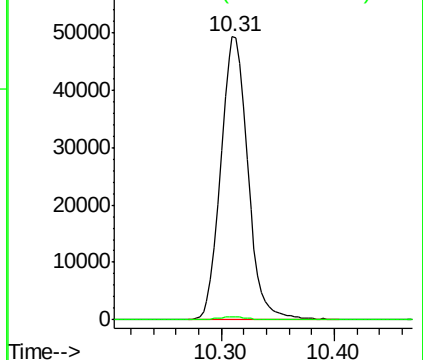
75 100

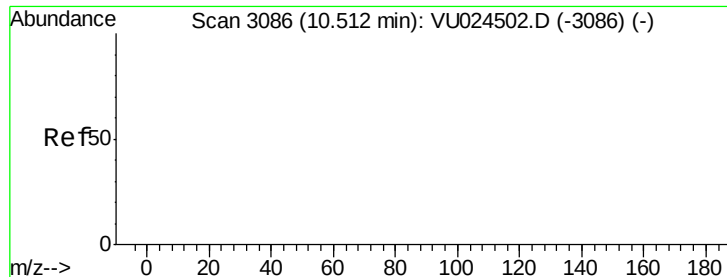
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.824 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

MW-12-062818

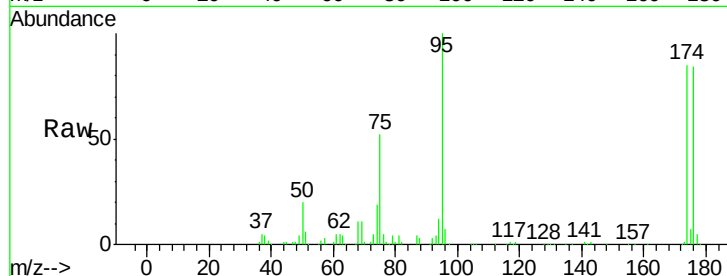
Tot Ion: 75 Resp: 82144

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

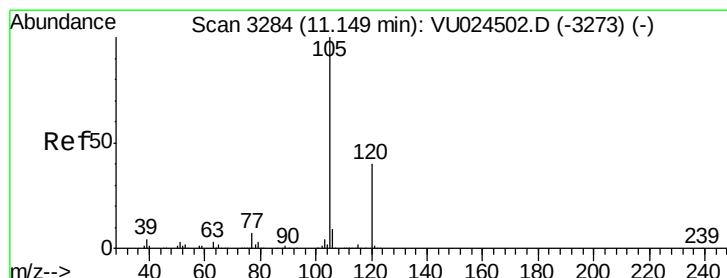
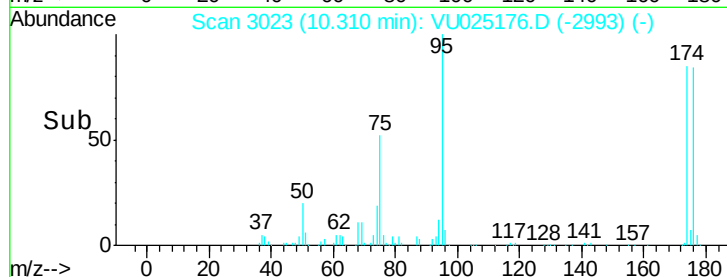
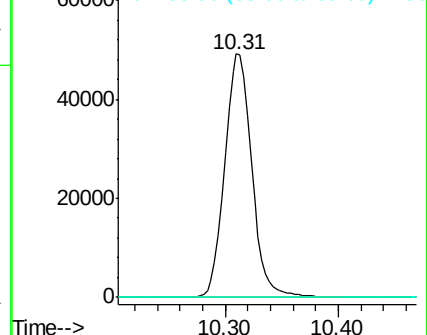
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.252 ug/l

RT: 11.16 min Scan# 3286

Delta R.T. 0.01 min

Lab File: VU025176.D

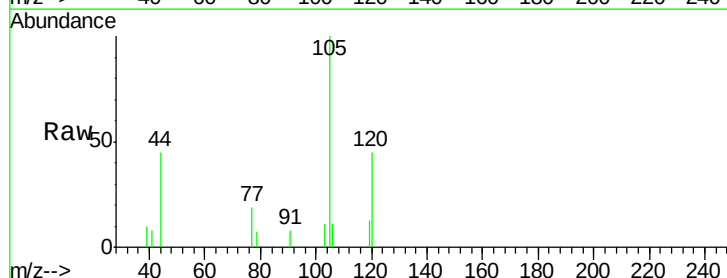
Acq: 03 Jul 2018 05:51

Tgt Ion: 105 Resp: 2469

Ion Ratio Lower Upper

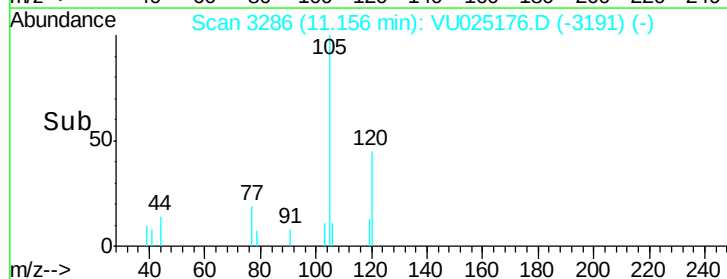
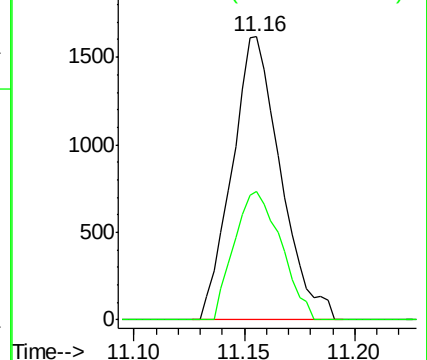
105 100

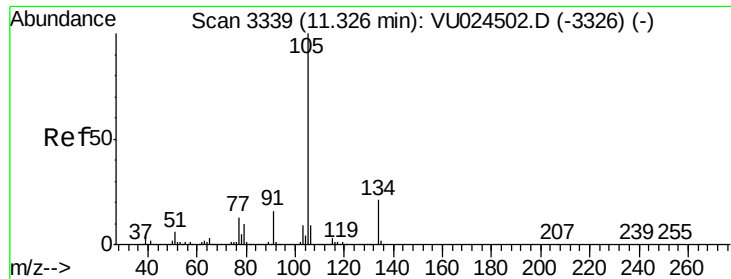
120 43.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VU024502.D (-3273) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3273) (-)





#85

sec-Butylbenzene

Concen: 0.213 ug/l

RT: 11.16 min Scan# 3286

Delta R.T. -0.17 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

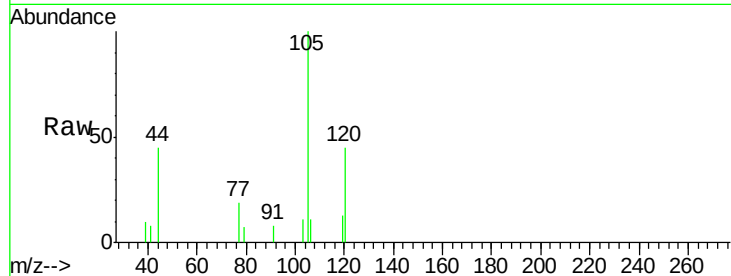
MW-12-062818

Tot Ion:105 Resp: 2469

Ion Ratio Lower Upper

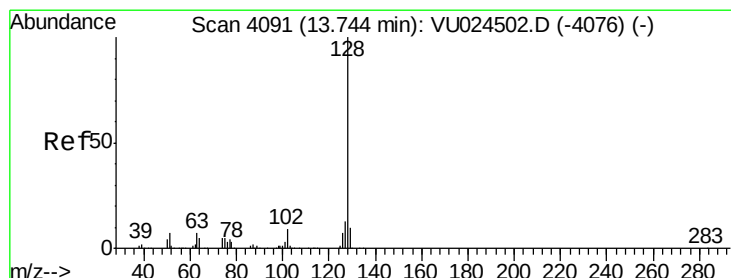
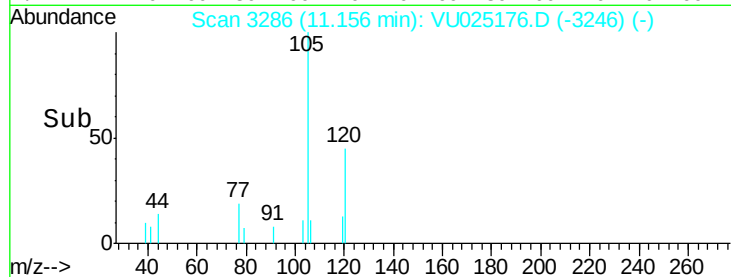
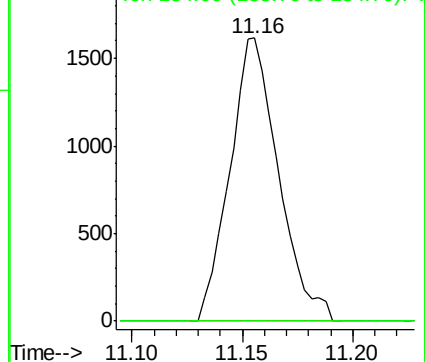
105 100

134 0.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 0.793 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU025176.D

Acq: 03 Jul 2018 05:51

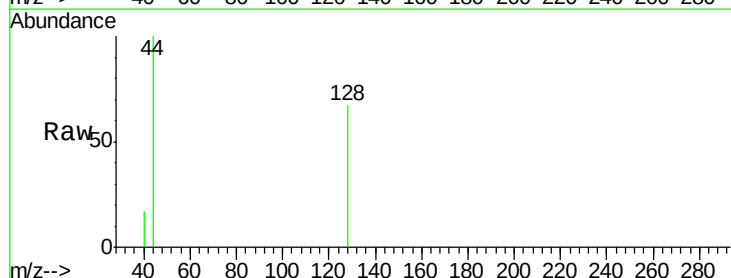
Tgt Ion:128 Resp: 1228

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

