

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025175.D
 Acq On : 03 Jul 2018 05:27
 Operator : MD/SY
 Sample : J3809-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8D-062818

Quant Time: Jul 03 07:07:44 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	200564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303080	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143922	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	152820	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
35) Dibromofluoromethane	4.89	113	118438	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	7.57	98	433210	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	10.31	95	160312	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	

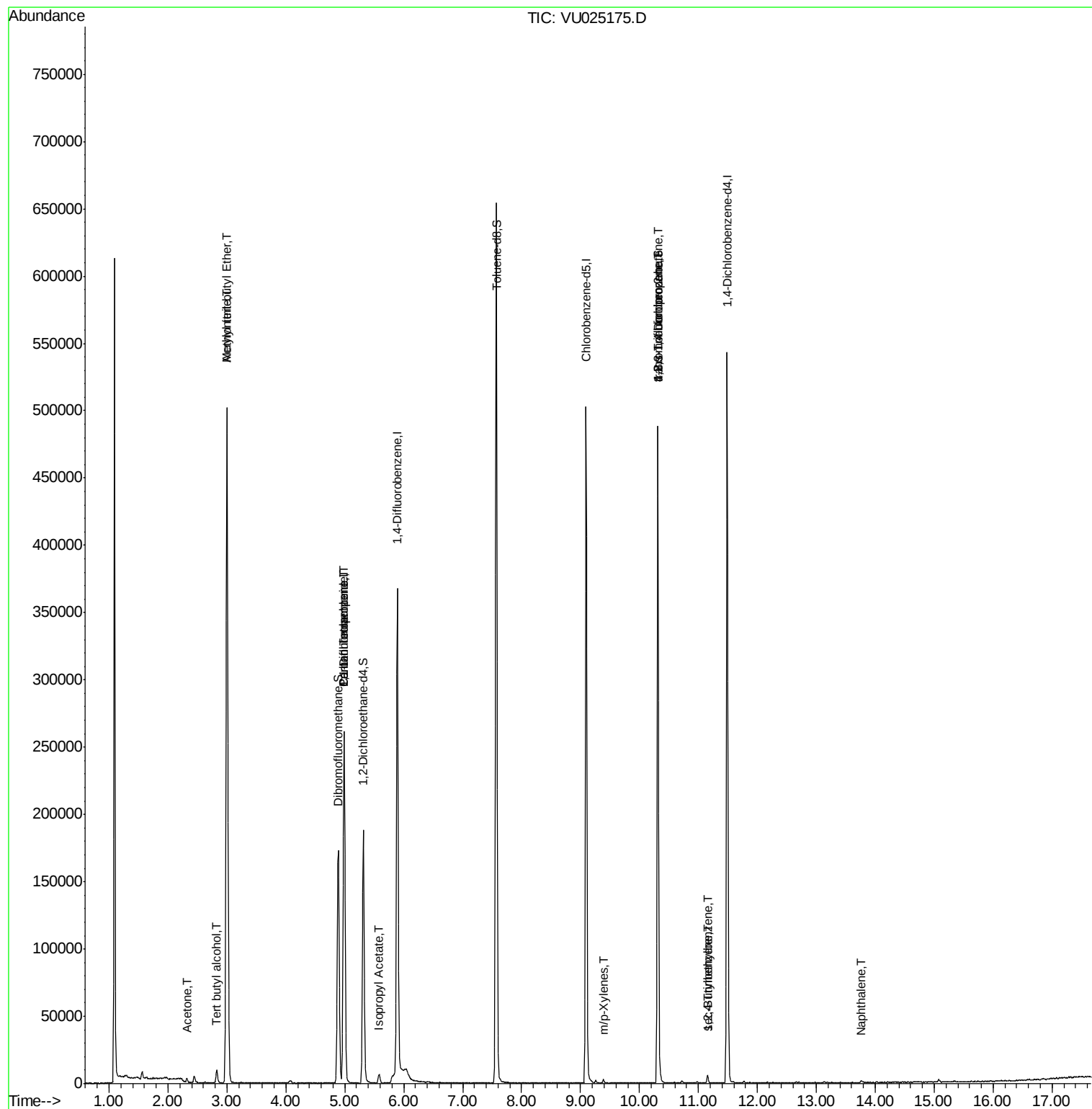
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.79	64	24	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	10959	13.762	ug/l #	72
15) Acrylonitrile	3.00	53	5127	3.309	ug/l #	25
16) Acetone	2.32	43	3852	2.190	ug/l #	84
19) Methyl tert-butyl Ether	3.00	73	528380	61.551	ug/l	96
31) Cyclohexane	4.99	56	4365	Below Cal	#	16
36) 1,1-Dichloropropene	4.99	75	15558	4.368	ug/l #	46
38) Carbon Tetrachloride	4.99	117	18882	4.821	ug/l #	17
43) Isopropyl Acetate	5.58	43	2083	0.310	ug/l #	53
68) m/p-Xylenes	9.39	106	1007	0.210	ug/l	74
76) 1,2,3-Trichloropropane	10.31	75	82832	26.141	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	82832	60.502	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.16	105	3547	0.363	ug/l	96
85) sec-Butylbenzene	11.16	105	3547	0.308	ug/l #	57
95) Naphthalene	13.76	128	2286	0.892	ug/l #	77

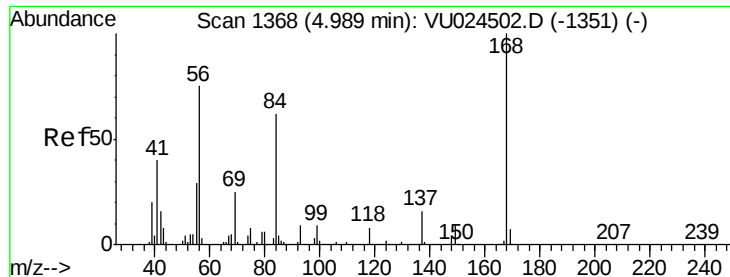
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1368

Delta R.T. -0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

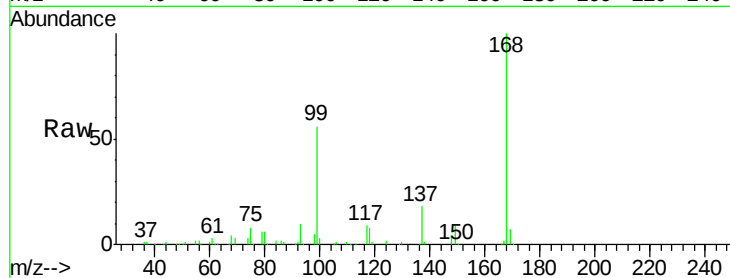
MW-8D-062818

Tot Ion:168 Resp: 200564

Ion Ratio Lower Upper

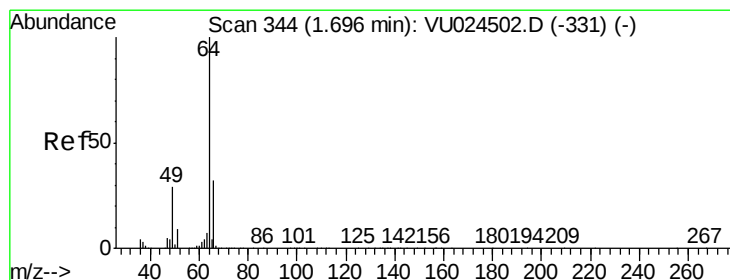
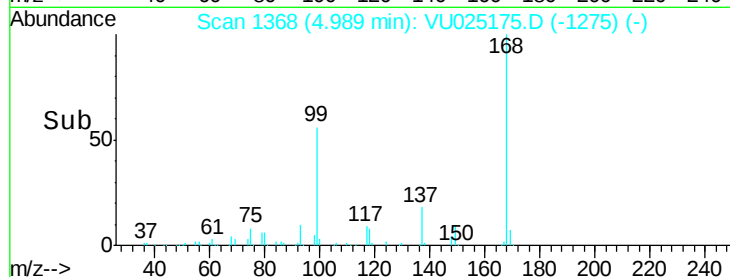
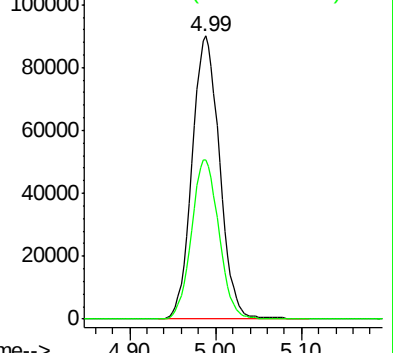
168 100

99 56.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.79 min Scan# 374

Delta R.T. 0.10 min

Lab File: VU025175.D

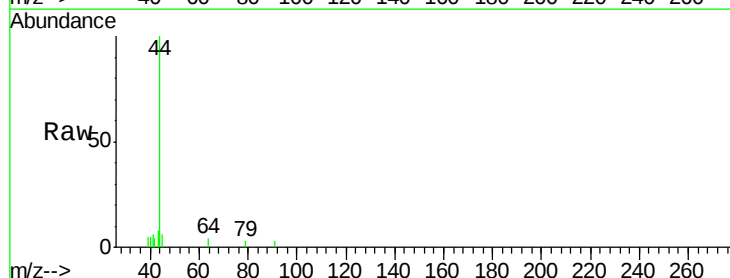
Acq: 03 Jul 2018 05:27

Tgt Ion: 64 Resp: 24

Ion Ratio Lower Upper

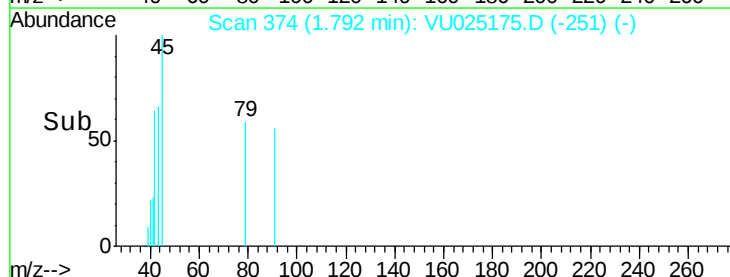
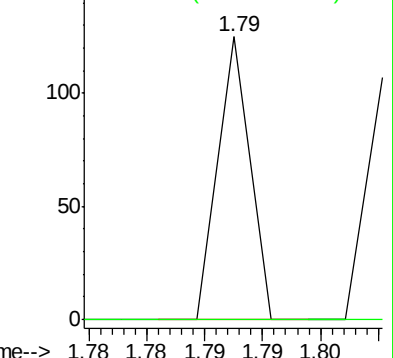
64 100

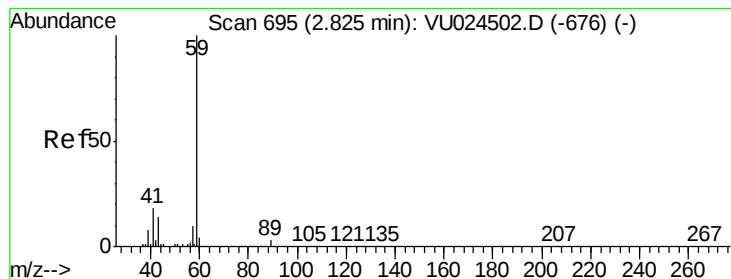
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



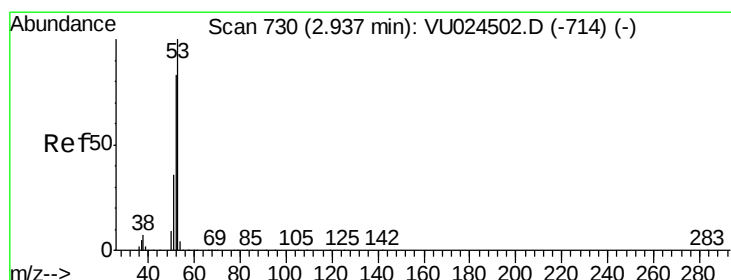
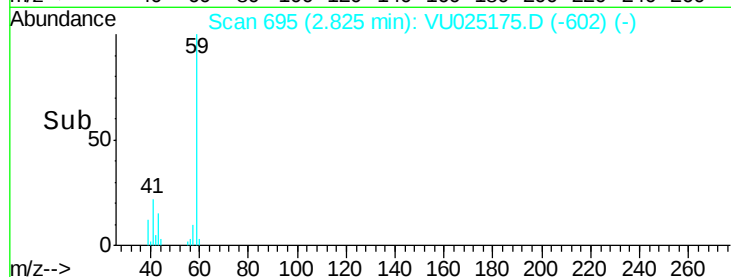
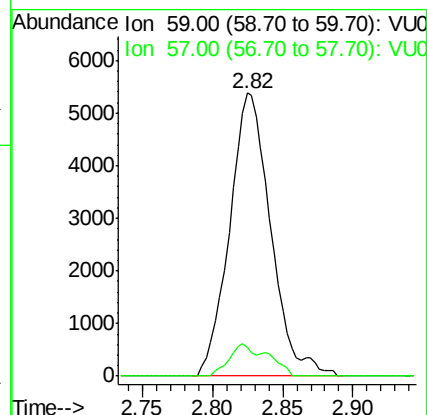
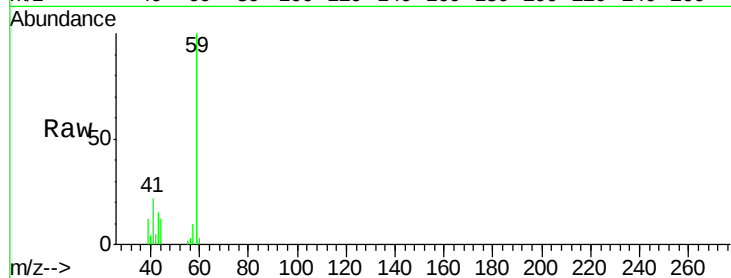


#11

Tert butyl alcohol
 Concen: 13.762 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025175.D
 Acq: 03 Jul 2018 05:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8D-062818

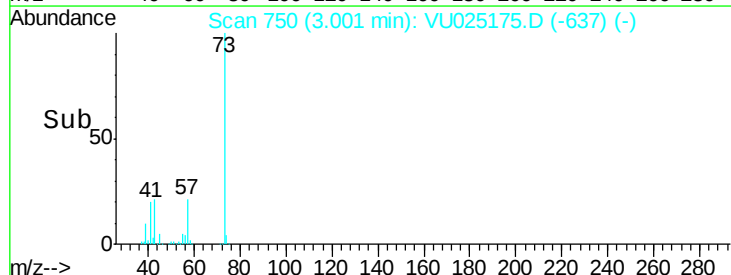
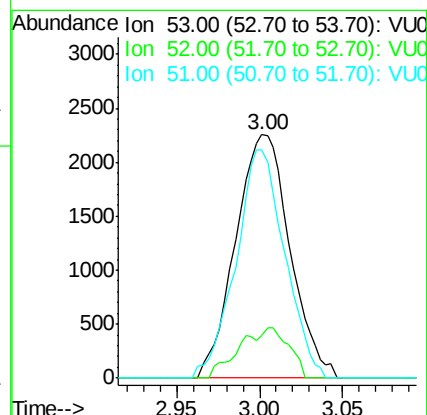
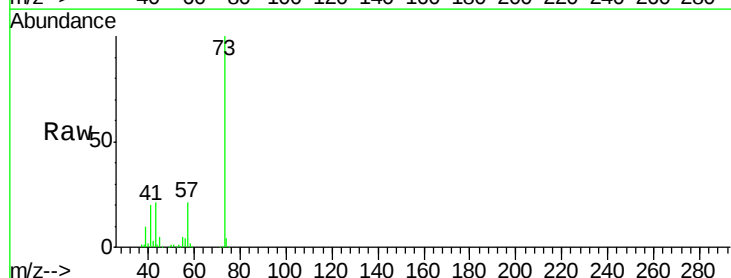
Tot Ion: 59 Resp: 10959
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

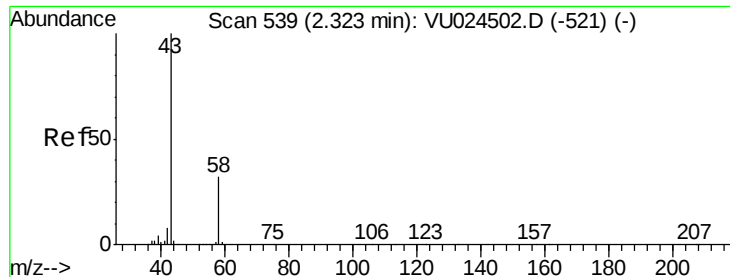


#15

Acrylonitrile
 Concen: 3.309 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.06 min
 Lab File: VU025175.D
 Acq: 03 Jul 2018 05:27

Tgt Ion: 53 Resp: 5127
 Ion Ratio Lower Upper
 53 100
 52 18.8 67.1 100.7#
 51 84.4 28.4 42.6#





#16

Acetone

Concen: 2.190 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

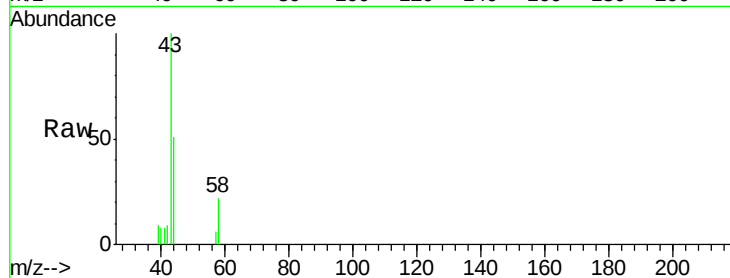
MW-8D-062818

Tot Ion: 43 Resp: 3852

Ion Ratio Lower Upper

43 100

58 21.8 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

2000

1500

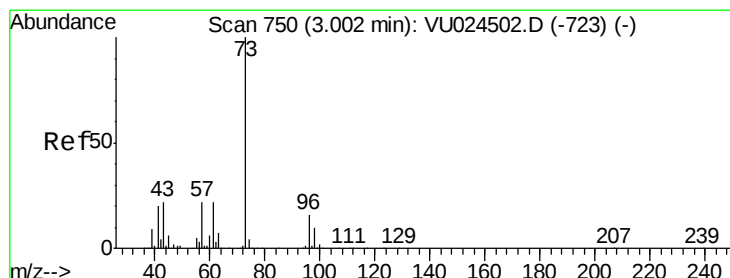
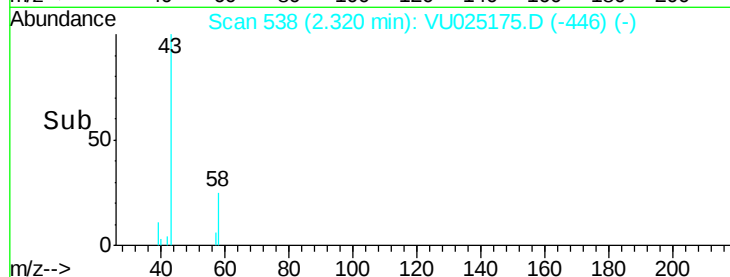
1000

500

0

Time-->

2.25 2.30 2.35 2.40



#19

Methyl tert-butyl Ether

Concen: 61.551 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025175.D

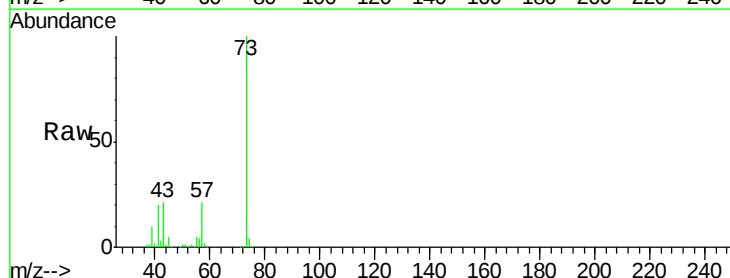
Acq: 03 Jul 2018 05:27

Tgt Ion: 73 Resp: 528380

Ion Ratio Lower Upper

73 100

57 21.5 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

3.00

250000

200000

150000

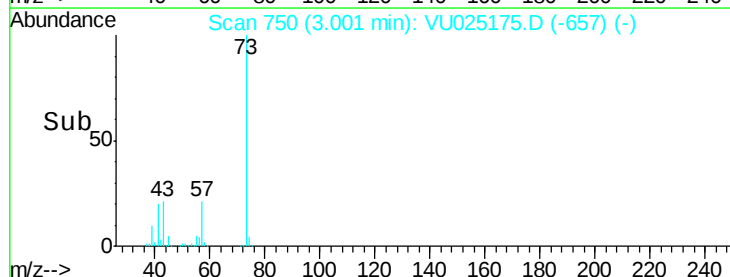
100000

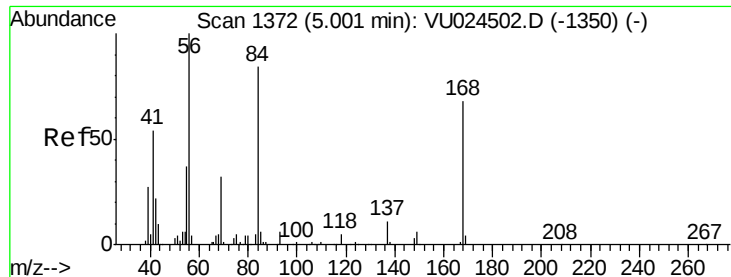
50000

0

Time-->

2.90 3.00 3.10

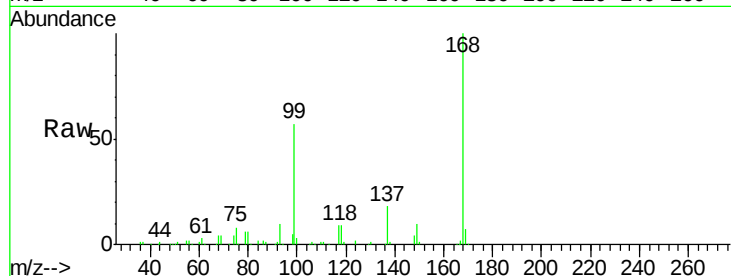




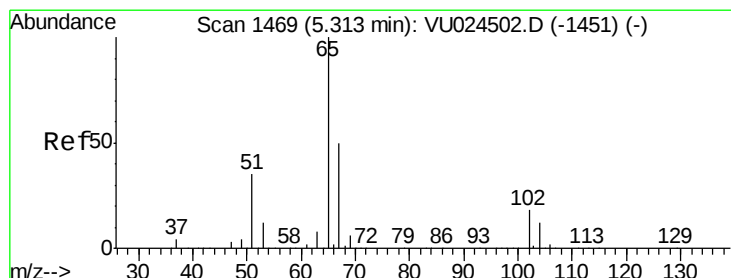
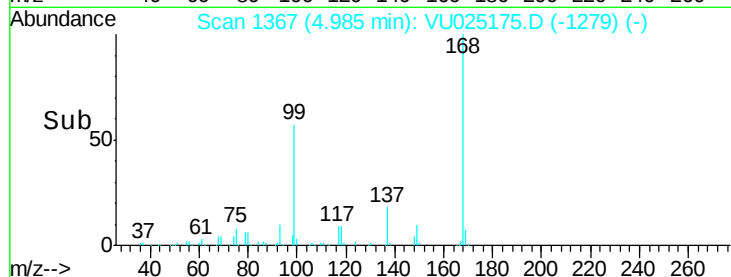
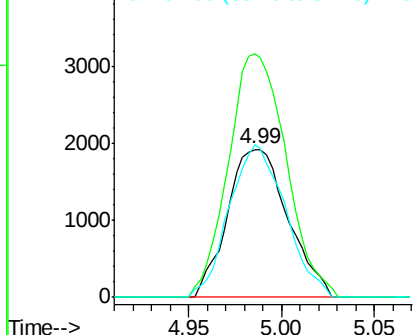
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025175.D
Acq: 03 Jul 2018 05:27

Instrument :
MSVOA_U
ClientSampleId :
MW-8D-062818

Tot Ion	56	Resp	4365
Ion Ratio	Lower	Upper	
56	100		
69	164.3	24.8	37.2#
84	102.9	65.2	97.8#

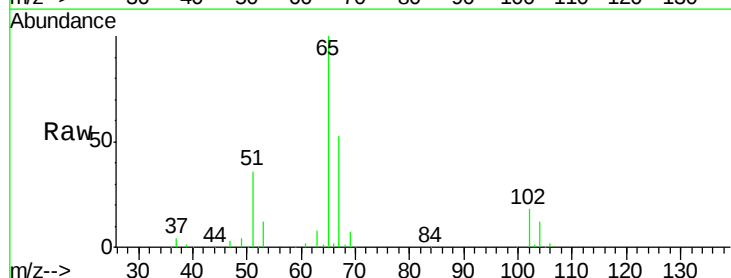


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

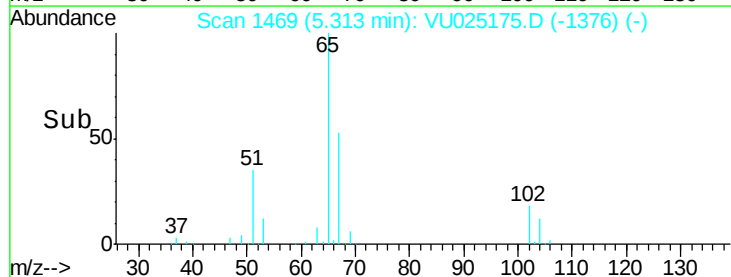
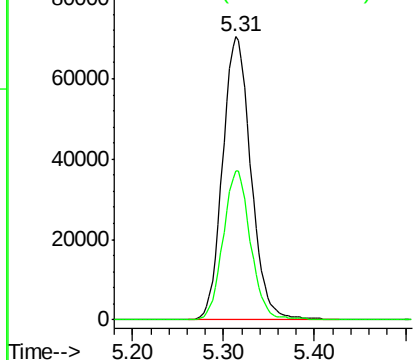


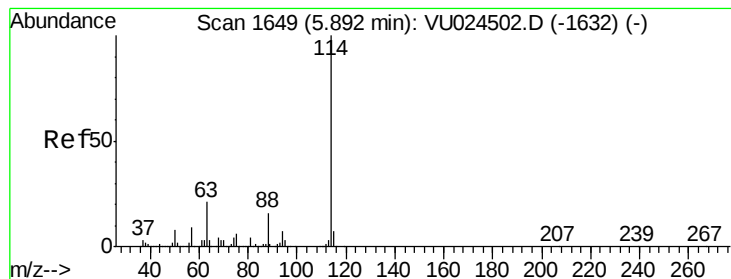
#33
1,2-Dichloroethane-d4
Concen: 46.673 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025175.D
Acq: 03 Jul 2018 05:27

Tgt Ion	65	Resp	152820
Ion Ratio	Lower	Upper	
65	100		
67	50.8	0.0	107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

MW-8D-062818

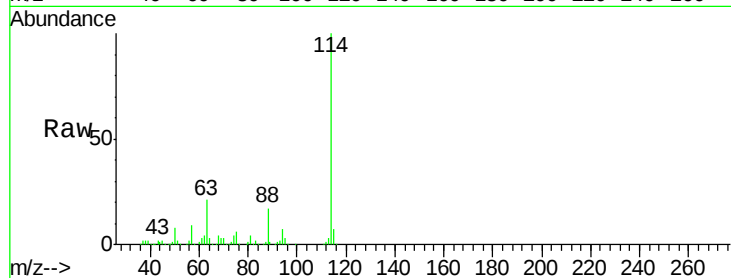
Tot Ion:114 Resp: 303080

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

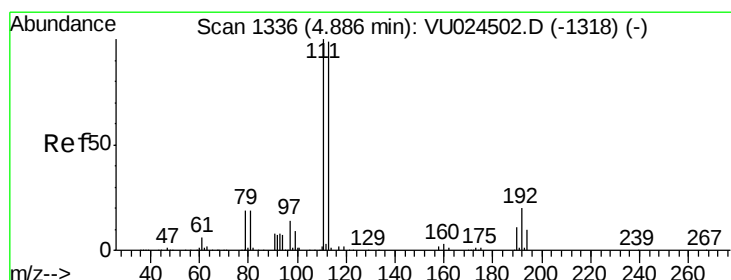
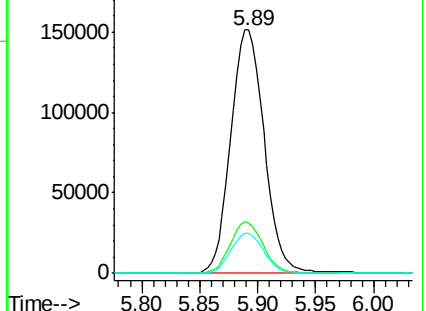
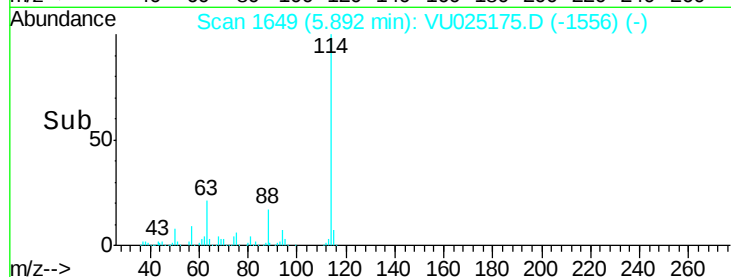
88 16.5 0.0 31.0



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: 47.086 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

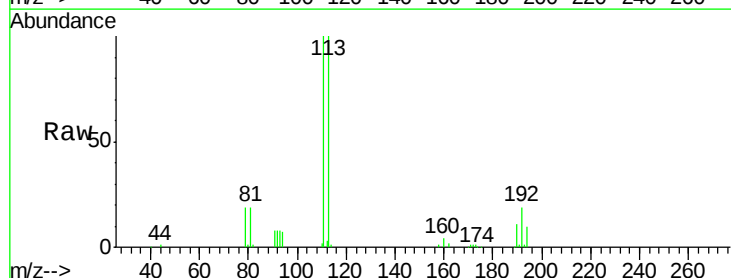
Tgt Ion:113 Resp: 118438

Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.4

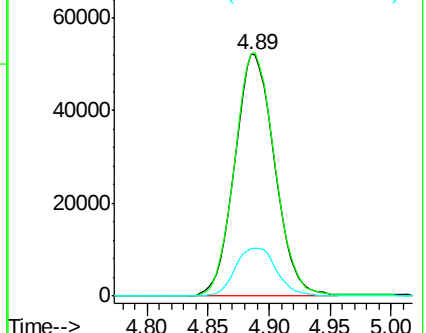
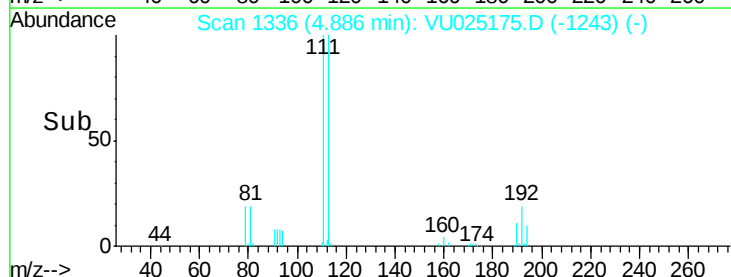
192 20.5 16.2 24.4

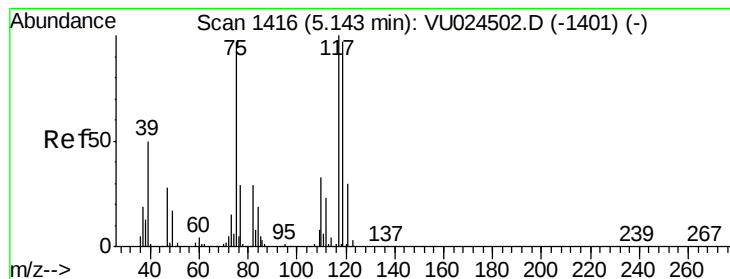


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.368 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

MW-8D-062818

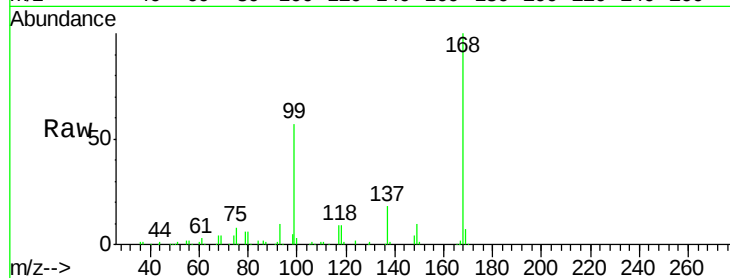
Tot Ion: 75 Resp: 15558

Ion Ratio Lower Upper

75 100

110 3.7 17.0 50.9#

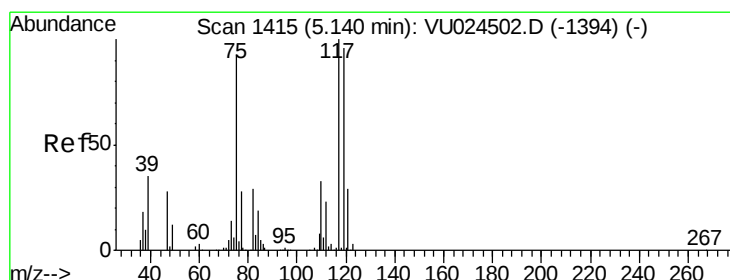
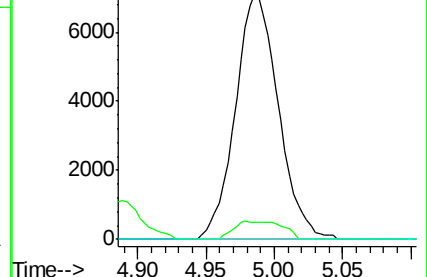
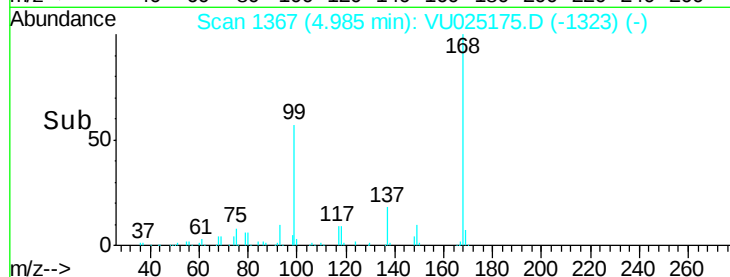
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU025175.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU025175.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU025175.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 4.821 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

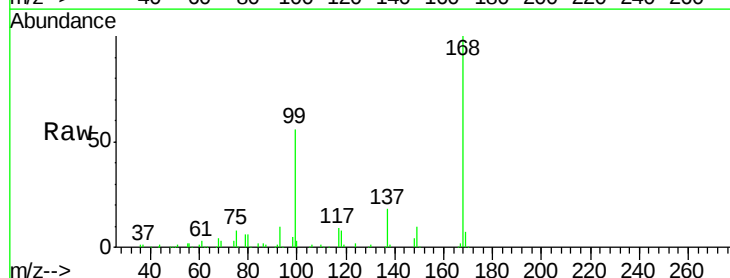
Tgt Ion: 117 Resp: 18882

Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

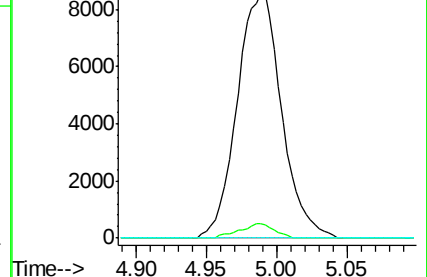
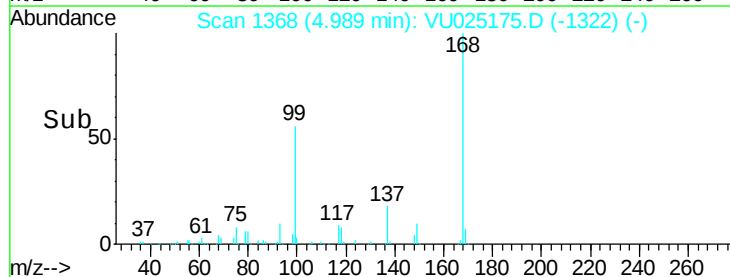
121 0.0 23.7 35.5#

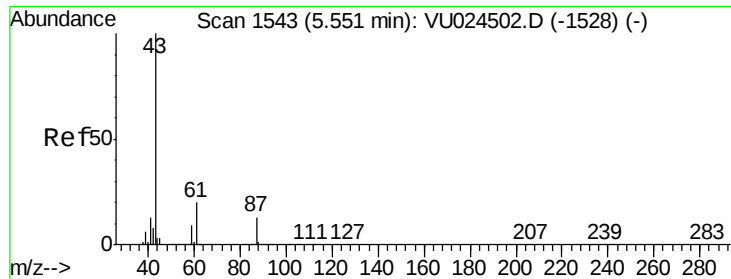


Abundance Ion 116.80 (116.50 to 117.50): VU025175.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU025175.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU025175.D (-1322) (-)





#43

Isopropyl Acetate

Concen: 0.310 ug/l

RT: 5.58 min Scan# 1553

Delta R.T. 0.03 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

MW-8D-062818

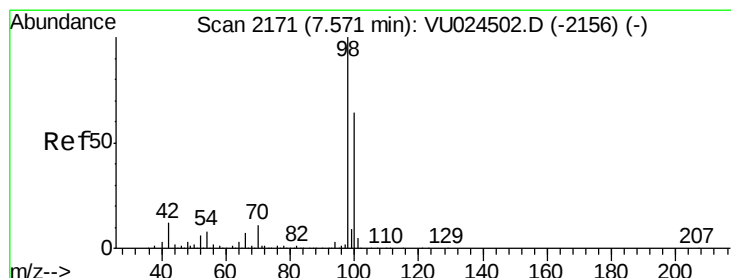
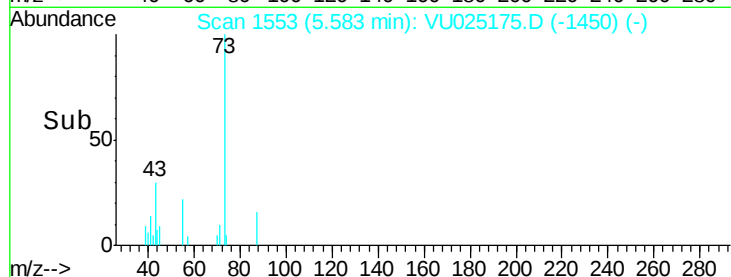
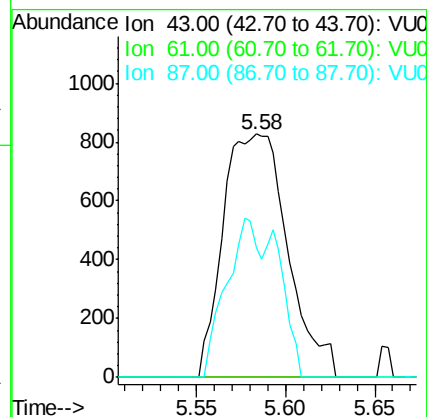
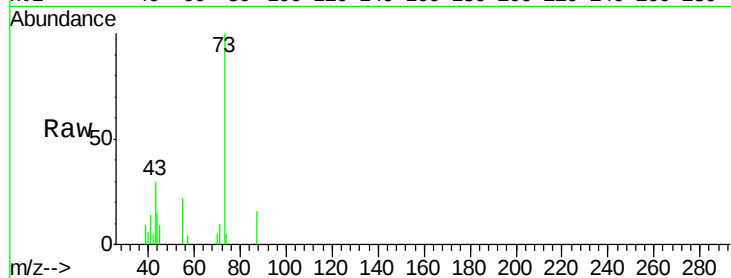
Tot Ion: 43 Resp: 2083

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 34.0 10.0 15.0#



#50

Toluene-d8

Concen: 47.217 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025175.D

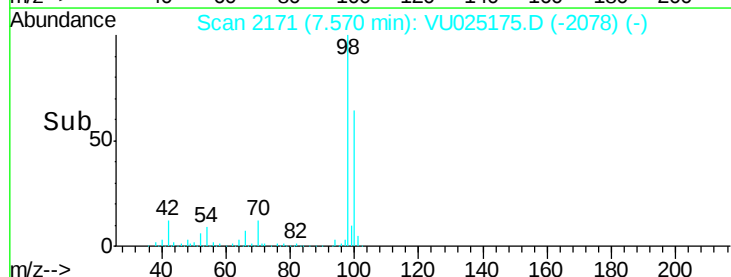
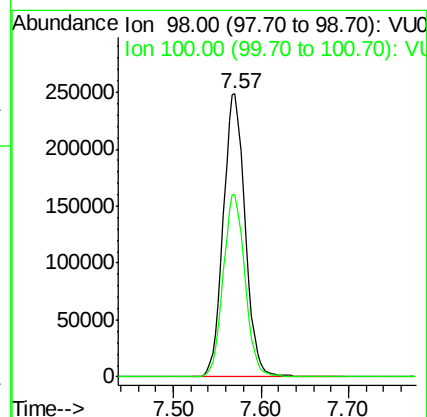
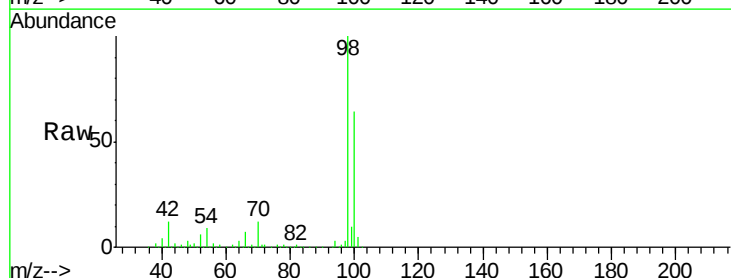
Acq: 03 Jul 2018 05:27

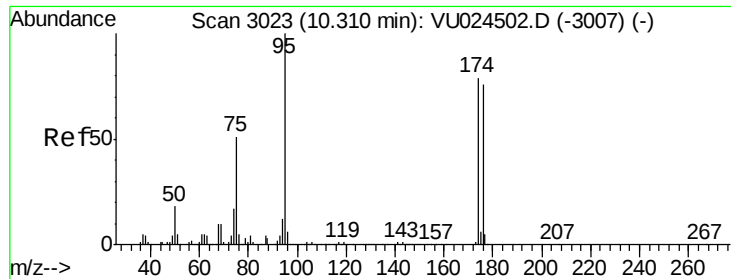
Tgt Ion: 98 Resp: 433210

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 44.008 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

MW-8D-062818

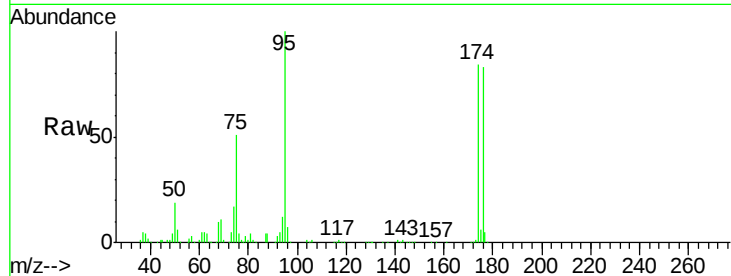
Tot Ion: 95 Resp: 160312

Ion Ratio Lower Upper

95 100

174 83.7 0.0 165.8

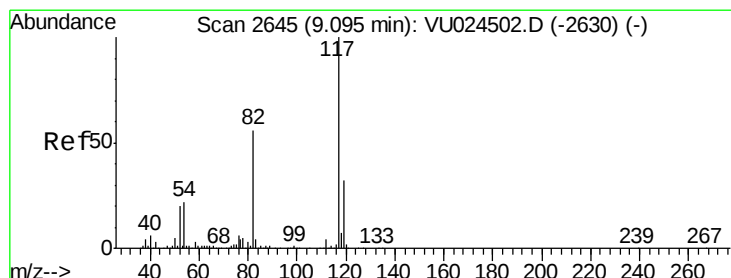
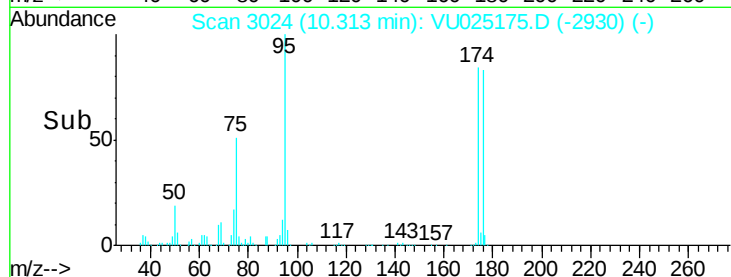
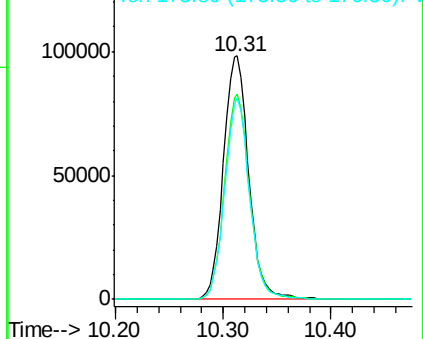
176 80.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

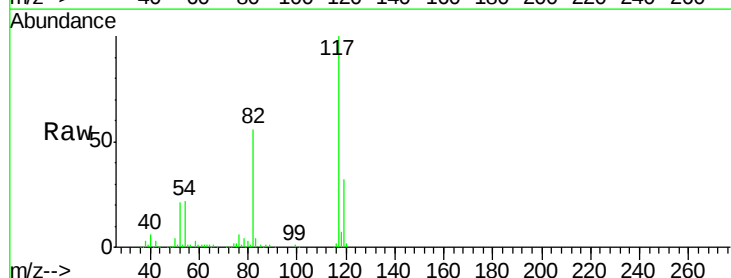
Tgt Ion: 117 Resp: 278649

Ion Ratio Lower Upper

117 100

82 55.9 44.3 66.5

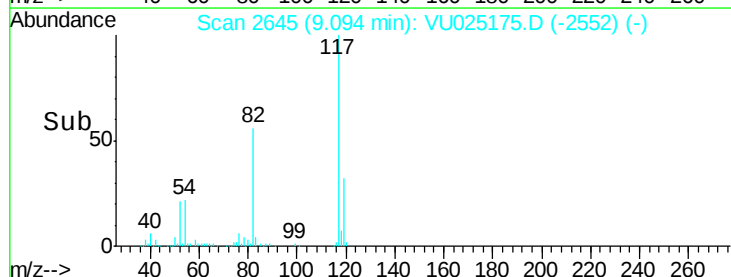
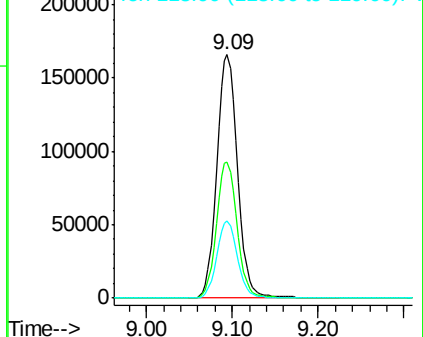
119 31.7 25.4 38.2

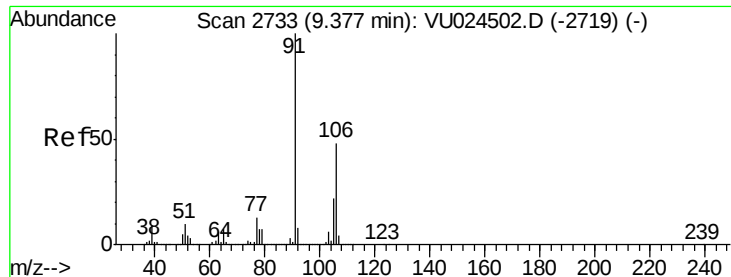


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#68

m/p-Xvlenes

Concen: 0.210 ug/l

RT: 9.39 min Scan# 2736

Delta R.T. 0.01 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

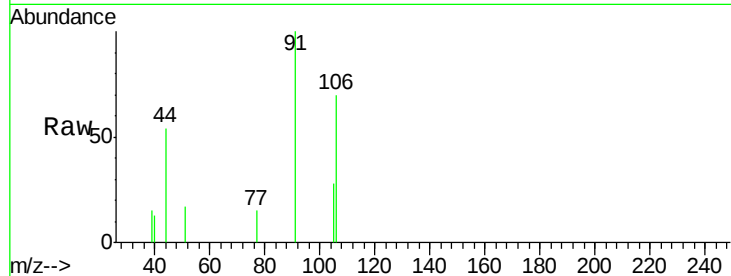
MW-8D-062818

Tot Ion:106 Resp: 1007

Ion Ratio Lower Upper

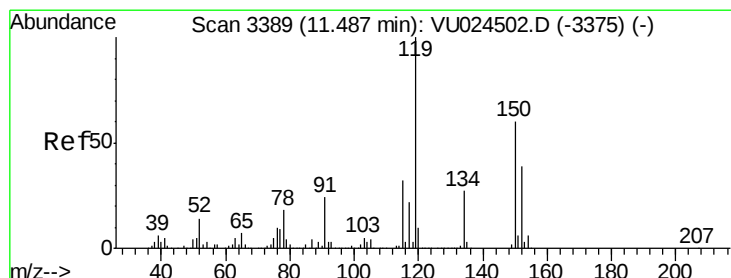
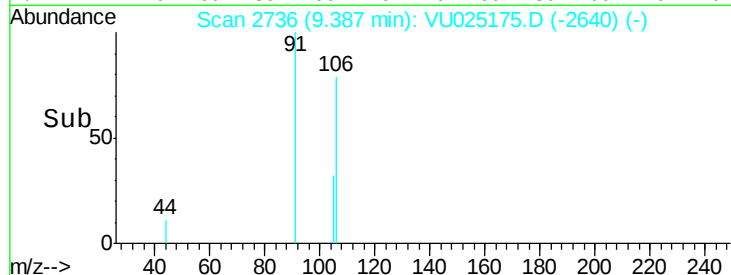
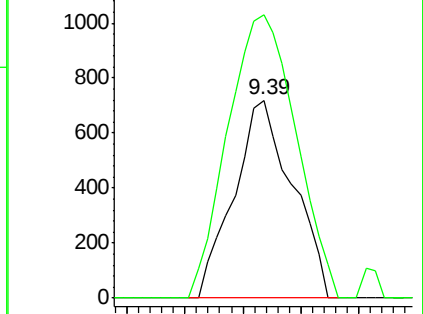
106 100

91 167.2 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

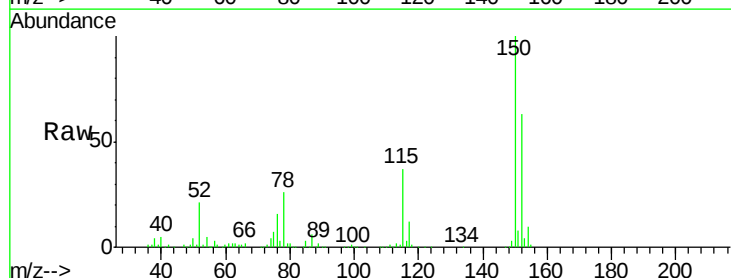
Tgt Ion:152 Resp: 143922

Ion Ratio Lower Upper

152 100

115 56.7 43.0 129.0

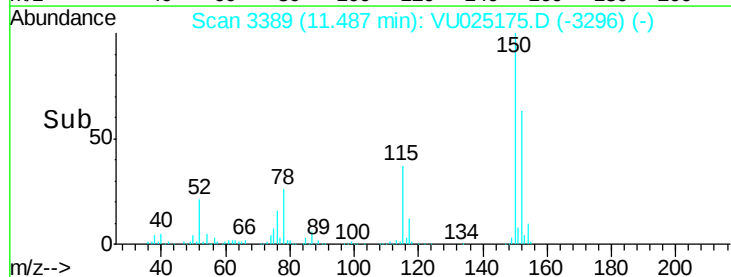
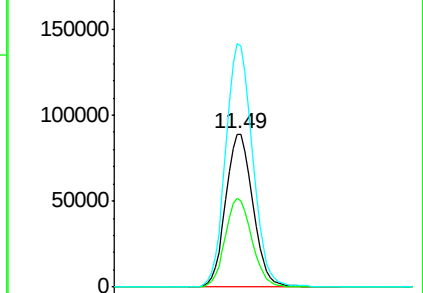
150 157.4 0.0 354.0

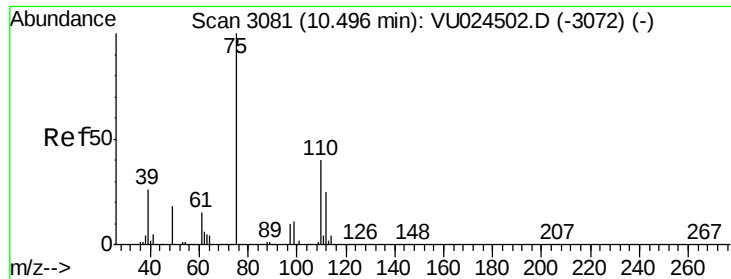


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

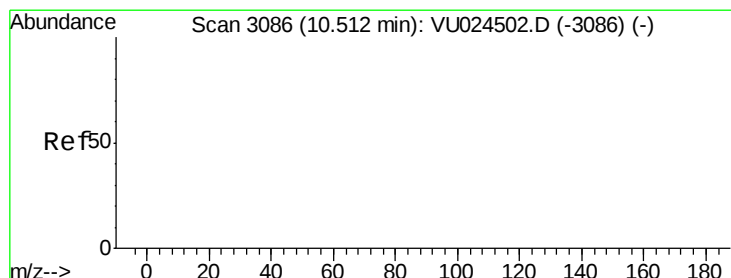
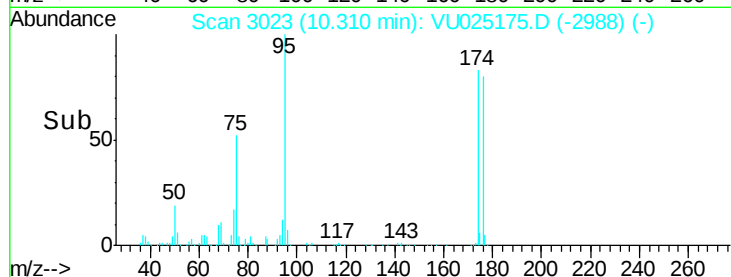
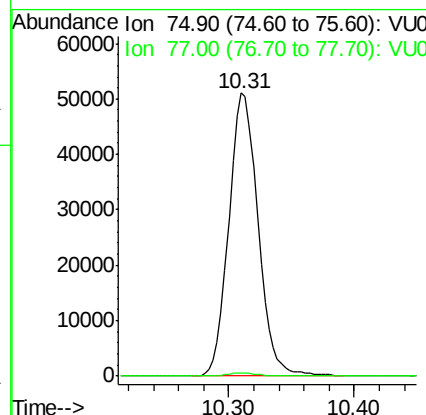
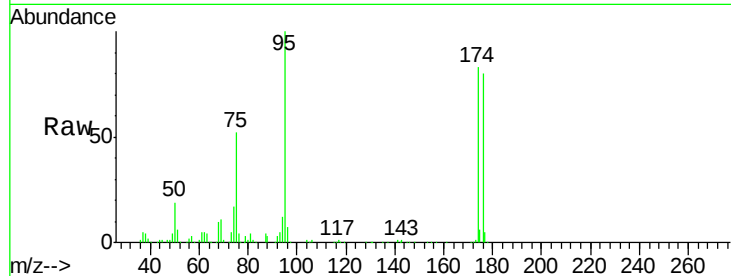




#76
 1,2,3-Trichloropropane
 Concen: 26.141 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025175.D
 Acq: 03 Jul 2018 05:27

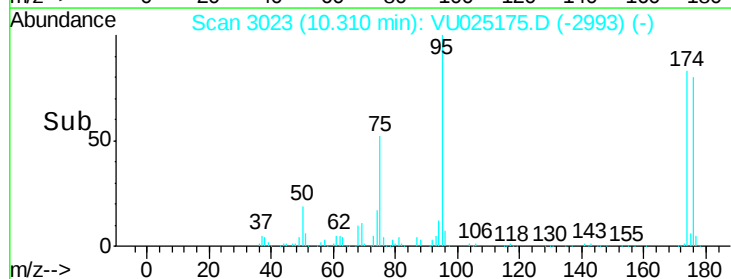
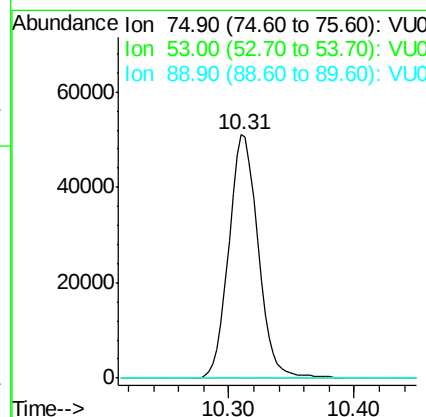
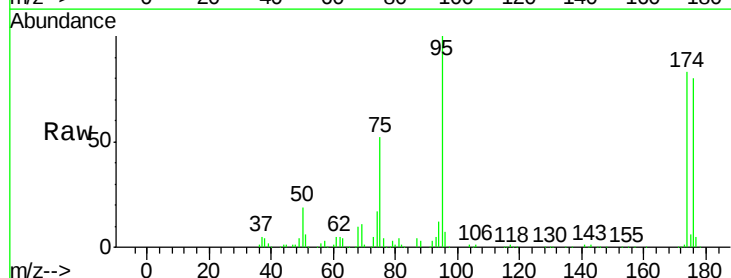
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8D-062818

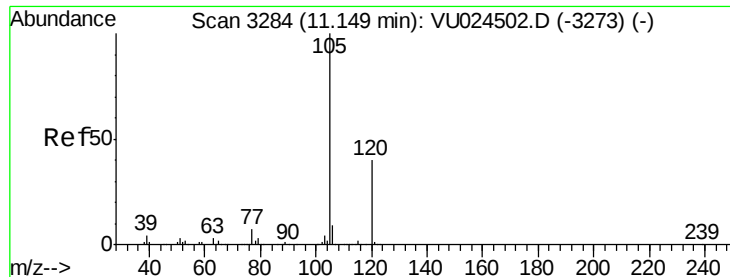
Tot Ion: 75 Resp: 82832
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.502 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025175.D
 Acq: 03 Jul 2018 05:27

Tgt Ion: 75 Resp: 82832
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#84

1,2,4-Trimethylbenzene

Concen: 0.363 ug/l

RT: 11.16 min Scan# 3286

Delta R.T. 0.01 min

Lab File: VU025175.D

Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

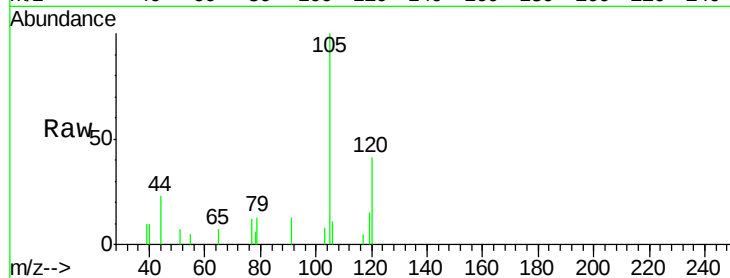
MW-8D-062818

Tot Ion:105 Resp: 3547

Ion Ratio Lower Upper

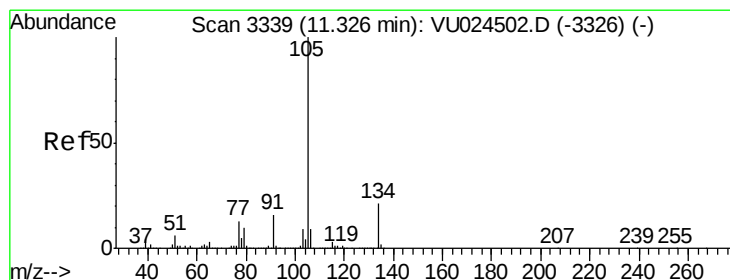
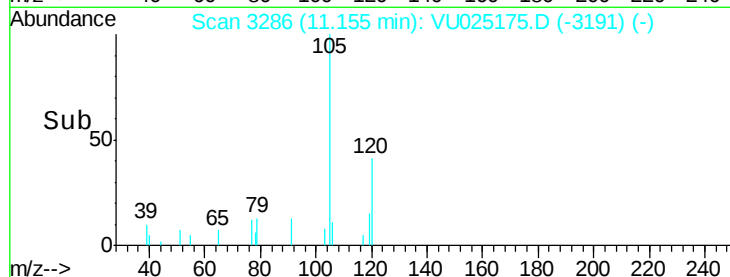
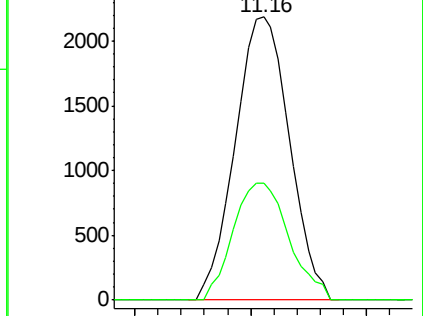
105 100

120 42.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.308 ug/l

RT: 11.16 min Scan# 3286

Delta R.T. -0.17 min

Lab File: VU025175.D

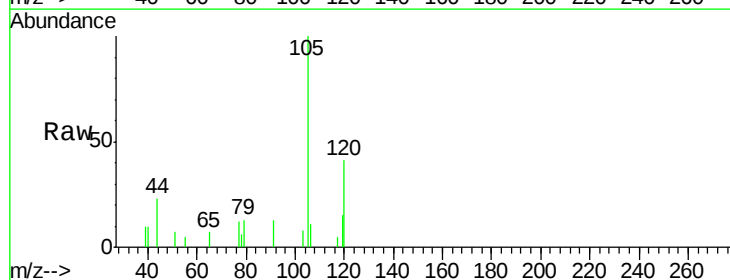
Acq: 03 Jul 2018 05:27

Tgt Ion:105 Resp: 3547

Ion Ratio Lower Upper

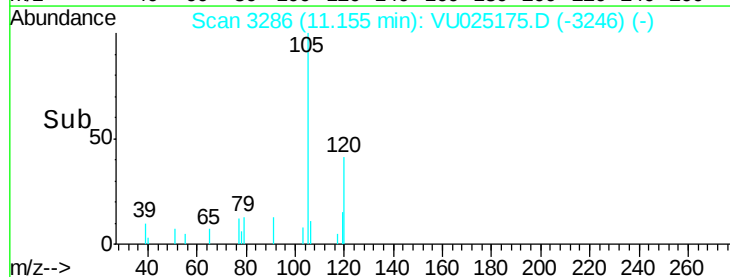
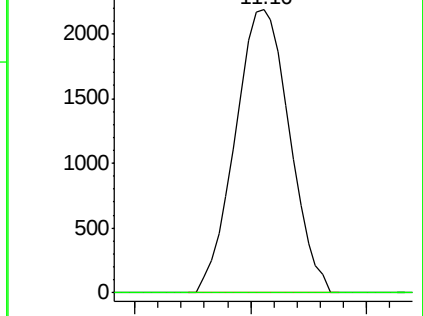
105 100

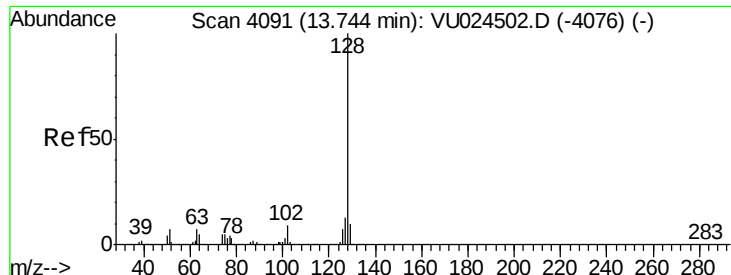
134 0.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 0.892 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU025175.D

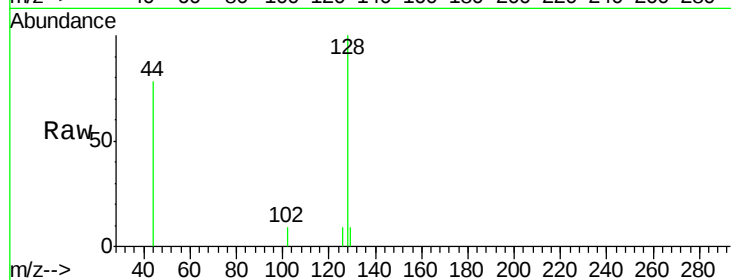
Acq: 03 Jul 2018 05:27

Instrument :

MSVOA_U

ClientSampleId :

MW-8D-062818



Tot Ion:128 Resp: 2286

Ion Ratio Lower Upper

128 100

127 4.1 10.6 16.0#

129 1.7 8.6 12.8#

