

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025174.D
 Acq On : 03 Jul 2018 05:03
 Operator : MD/SY
 Sample : J3809-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8S-062818

Quant Time: Jul 03 07:07:35 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	207048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	306824	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146205	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	153559	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
35) Dibromofluoromethane	4.89	113	117757	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
50) Toluene-d8	7.57	98	439606	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	10.31	95	162530	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	

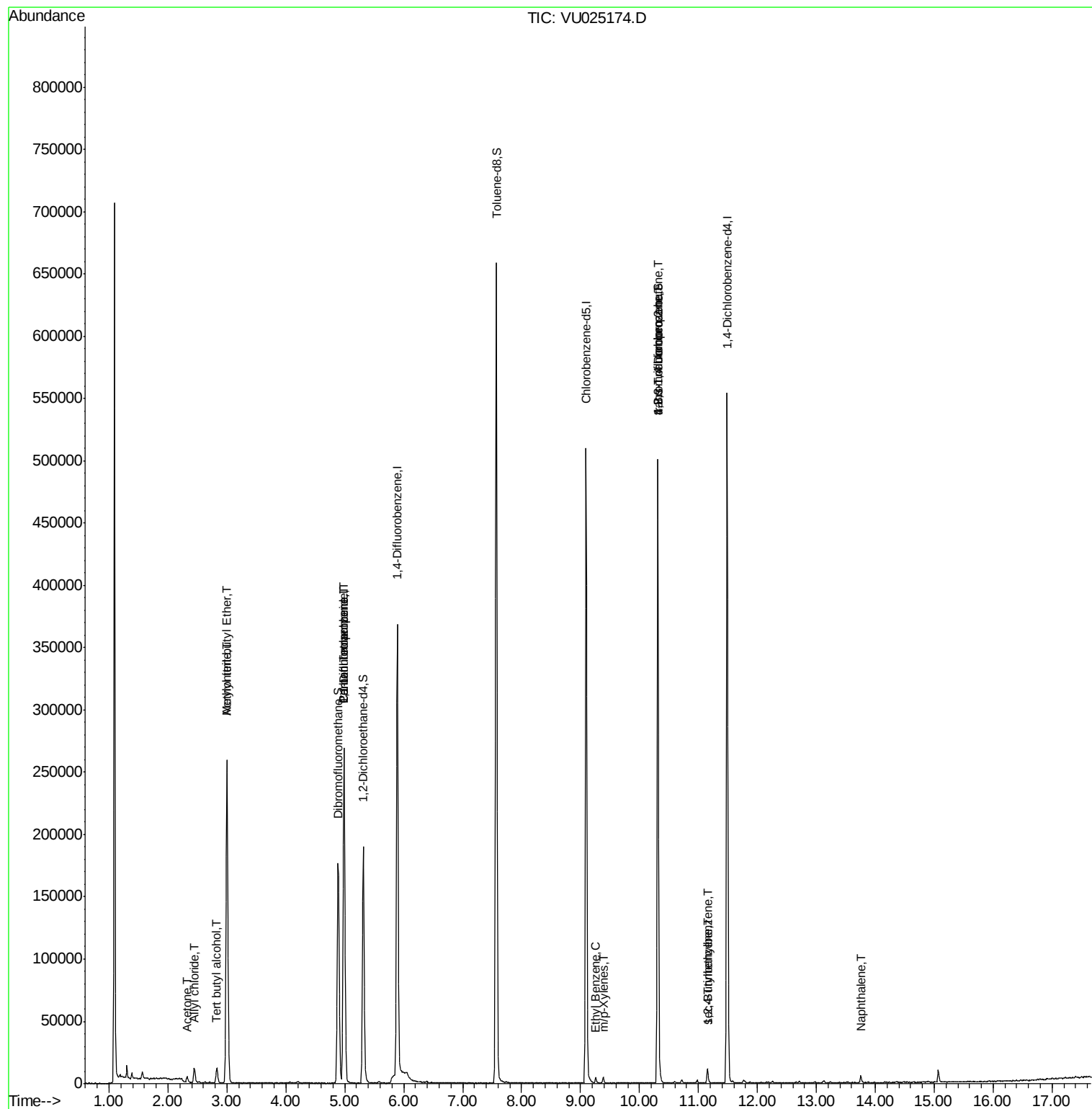
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	40	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	15068	18.329	ug/l #	72
14) Allyl chloride	2.45	41	1302	0.297	ug/l #	57
15) Acrylonitrile	3.00	53	3025	1.891	ug/l #	31
16) Acetone	2.32	43	5486	3.021	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	274133	30.934	ug/l	97
31) Cyclohexane	4.98	56	4203	Below Cal	#	13
36) 1,1-Dichloropropene	4.99	75	14964	4.150	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19465	4.910	ug/l #	17
67) Ethyl Benzene	9.26	91	4068	0.319	ug/l	98
68) m/p-Xylenes	9.39	106	1574	0.322	ug/l	91
76) 1,2,3-Trichloropropane	10.31	75	84748	26.328	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84748	60.934	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	7011	0.707	ug/l	98
85) sec-Butylbenzene	11.15	105	7011	0.598	ug/l #	57
95) Naphthalene	13.75	128	5749	1.207	ug/l #	90

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025174.D
Acq On : 03 Jul 2018 05:03
Operator : MD/SY
Sample : J3809-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-8S-062818

Quant Time: Jul 03 07:07:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

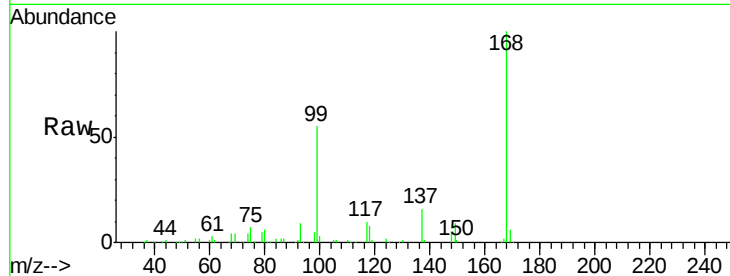
MW-8S-062818

Tot Ion:168 Resp: 207048

Ion Ratio Lower Upper

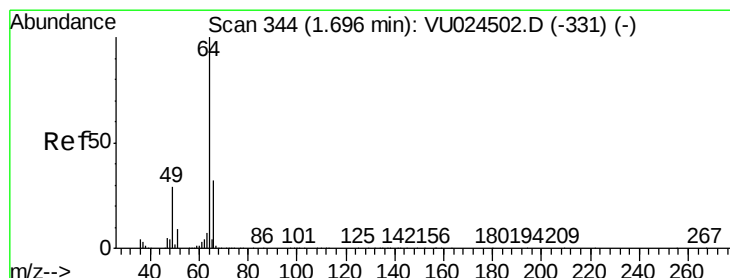
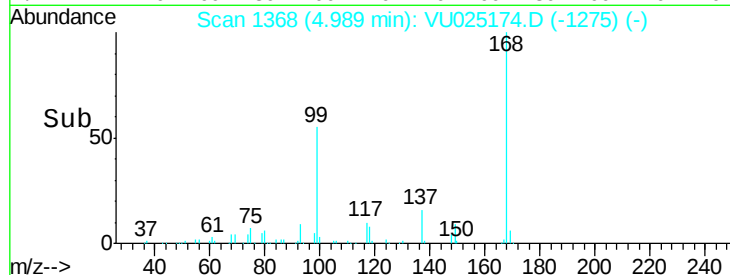
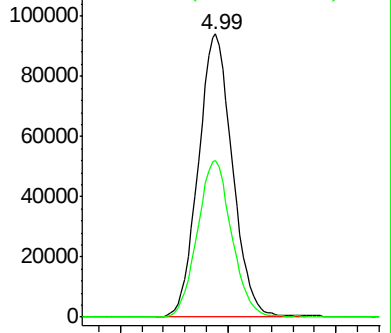
168 100

99 55.4 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: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025174.D

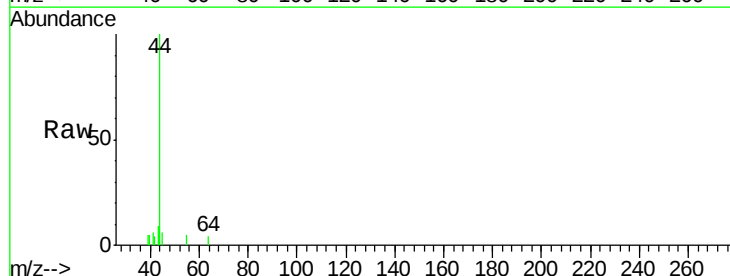
Acq: 03 Jul 2018 05:03

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

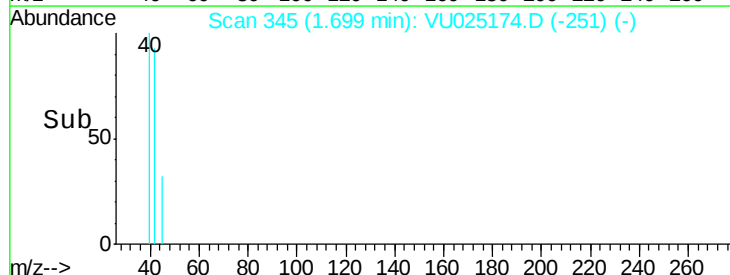
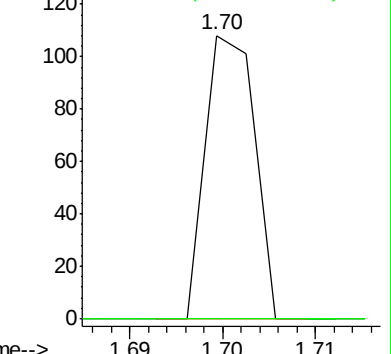
64 100

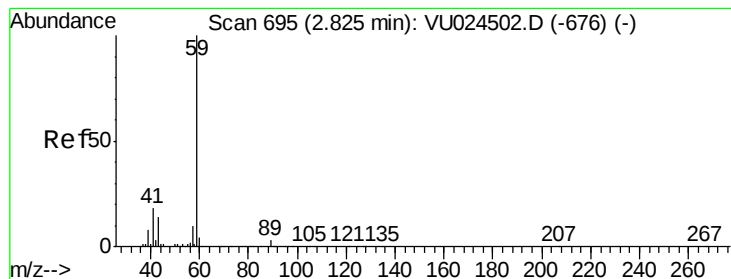
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



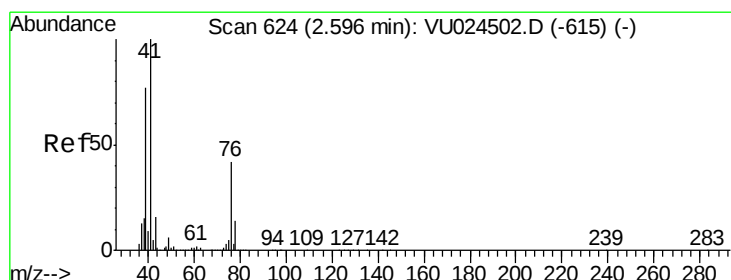
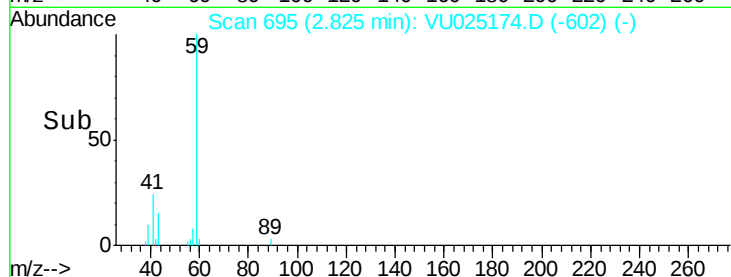
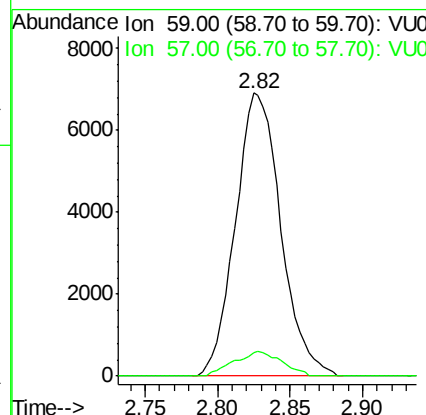
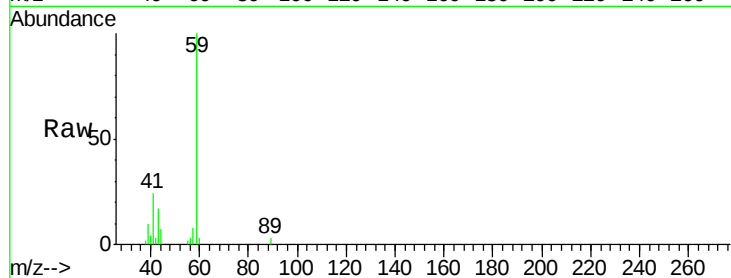


#11

Tert butyl alcohol
 Concen: 18.329 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025174.D
 Acq: 03 Jul 2018 05:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8S-062818

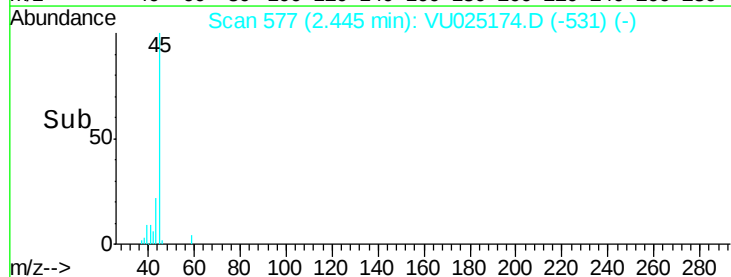
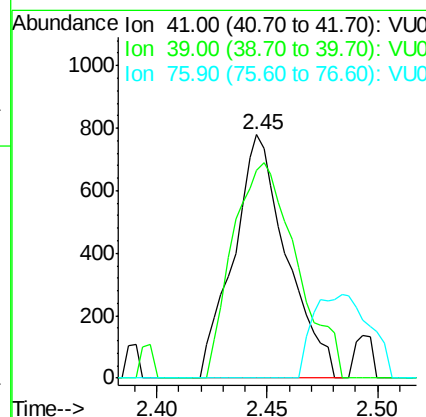
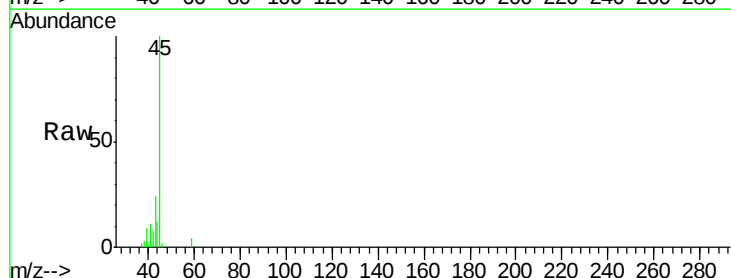
Tot Ion: 59 Resp: 15068
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

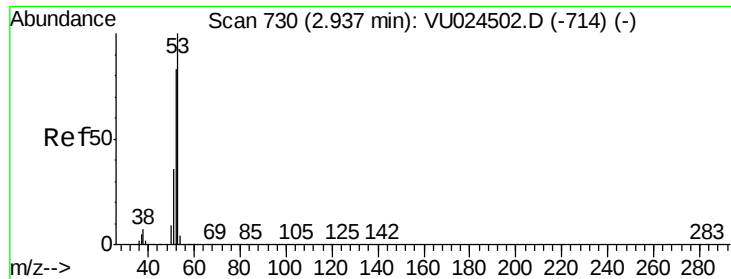


#14

Allyl chloride
 Concen: 0.297 ug/l
 RT: 2.45 min Scan# 577
 Delta R.T. -0.15 min
 Lab File: VU025174.D
 Acq: 03 Jul 2018 05:03

Tgt Ion: 41 Resp: 1302
 Ion Ratio Lower Upper
 41 100
 39 106.5 61.6 92.4#
 76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 1.891 ug/l

RT: 3.00 min Scan# 751

Delta R.T. 0.07 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

MW-8S-062818

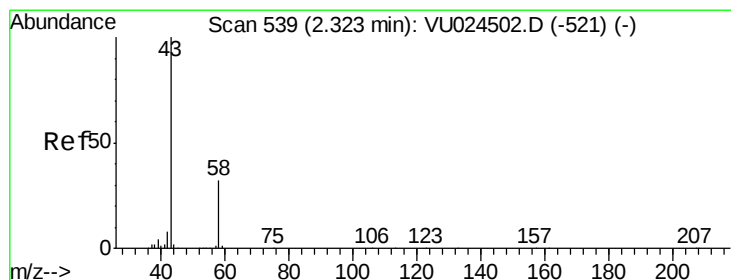
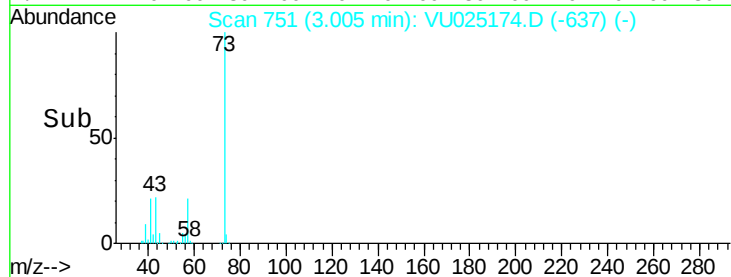
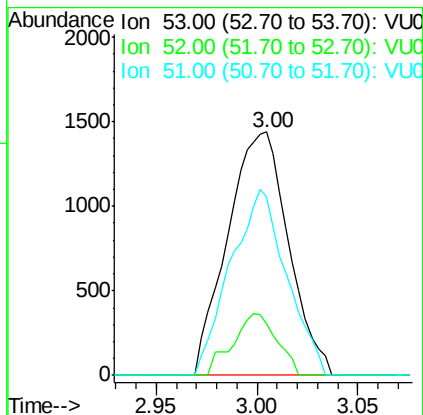
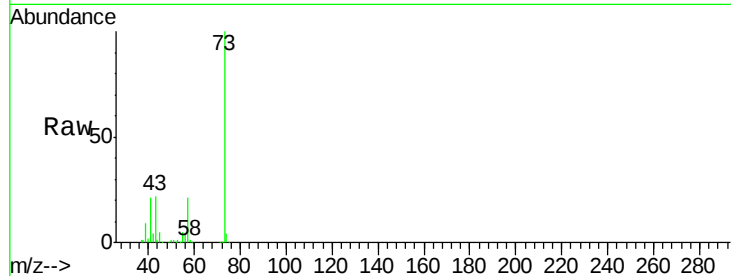
Tot Ion: 53 Resp: 3025

Ion Ratio Lower Upper

53 100

52 18.5 67.1 100.7#

51 70.5 28.4 42.6#



#16

Acetone

Concen: 3.021 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025174.D

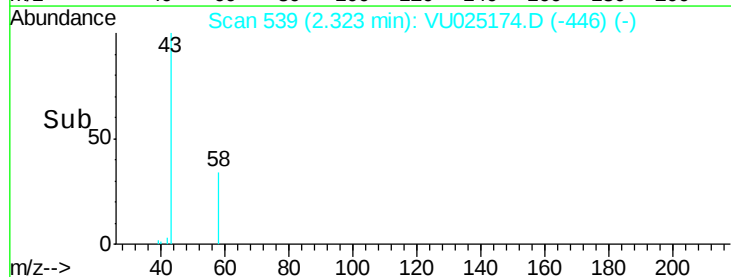
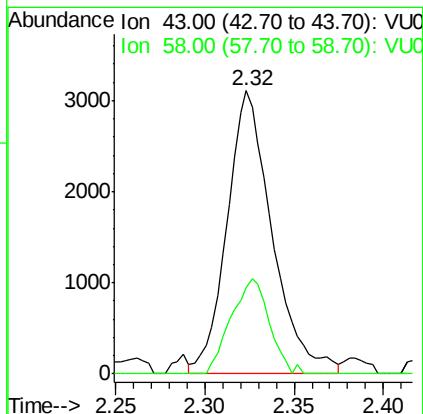
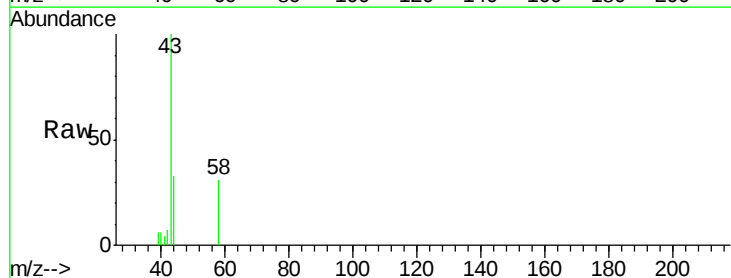
Acq: 03 Jul 2018 05:03

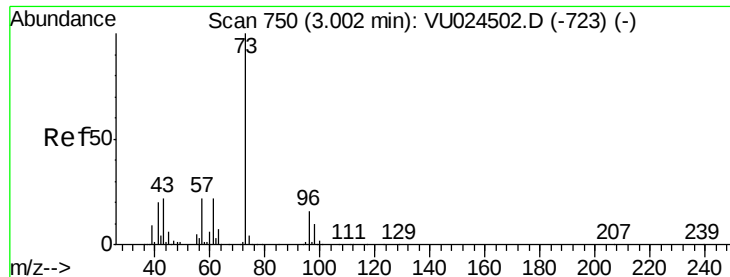
Tgt Ion: 43 Resp: 5486

Ion Ratio Lower Upper

43 100

58 31.6 24.4 36.6

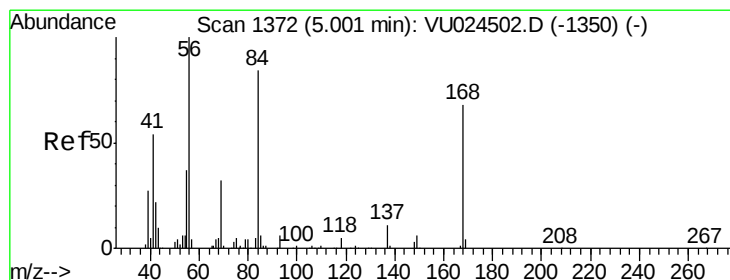
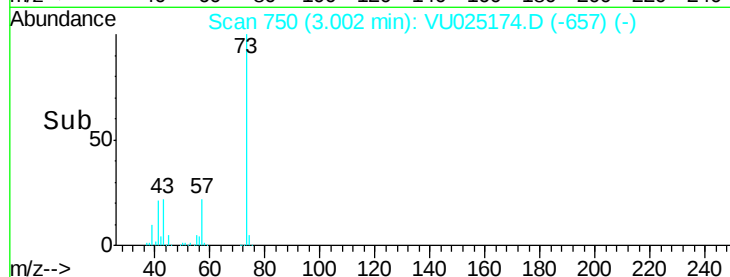
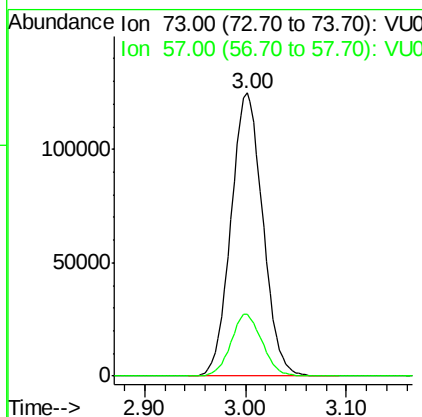
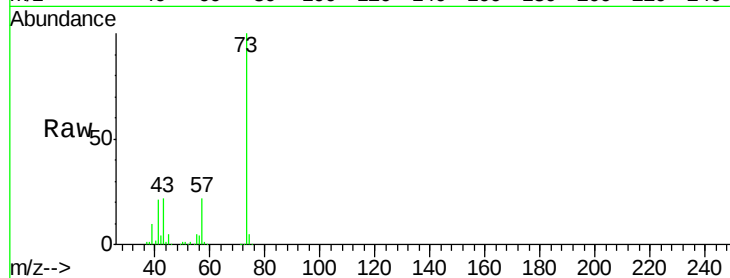




#19
Methvl tert-butvl Ether
Concen: 30.934 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025174.D
Acq: 03 Jul 2018 05:03

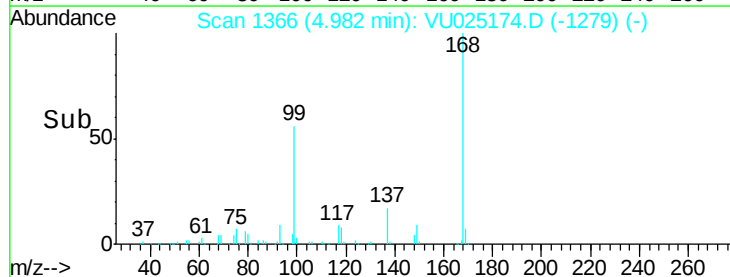
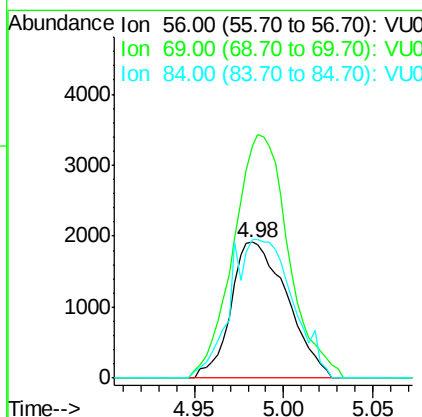
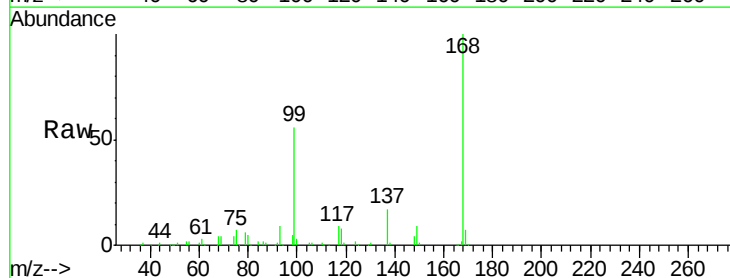
Instrument :
MSVOA_U
ClientSampleId :
MW-8S-062818

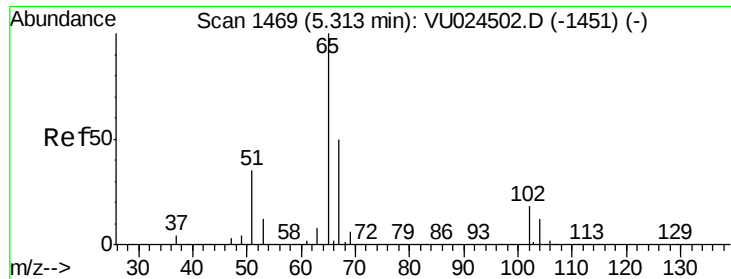
Tot Ion: 73 Resp: 274133
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU025174.D
Acq: 03 Jul 2018 05:03

Tgt Ion: 56 Resp: 4203
Ion Ratio Lower Upper
56 100
69 171.1 24.8 37.2#
84 101.8 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 45.430 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

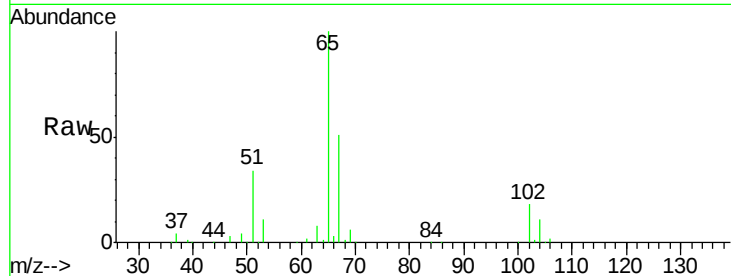
MW-8S-062818

Tot Ion: 65 Resp: 153559

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025174.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025174.D (-1376) (-)

5.31

80000

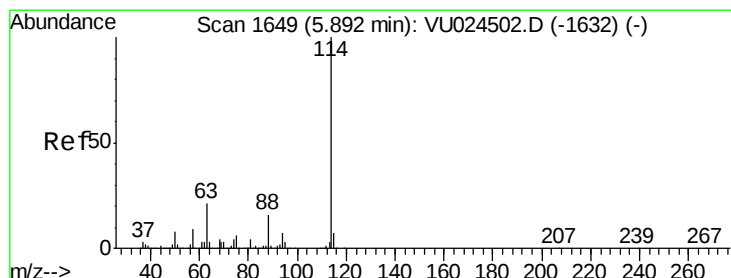
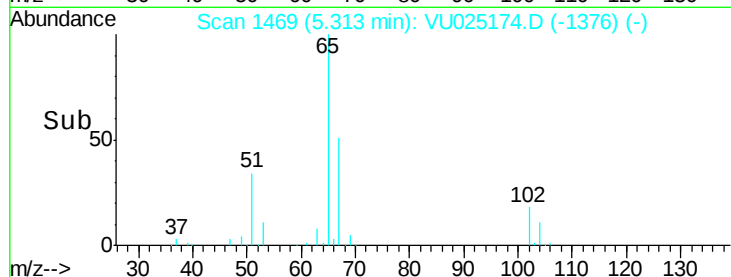
60000

40000

20000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

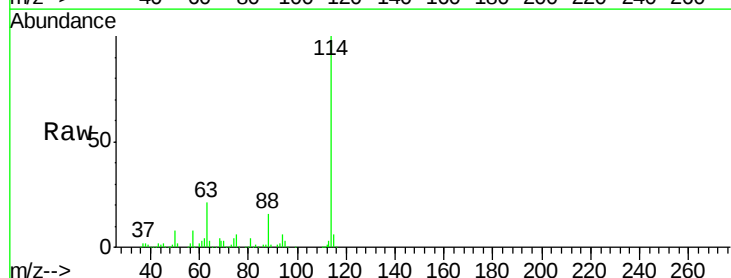
Tgt Ion: 114 Resp: 306824

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

88 16.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025174.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025174.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025174.D (-1556) (-)

5.89

200000

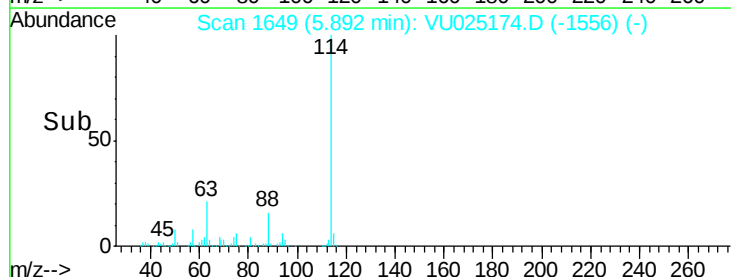
150000

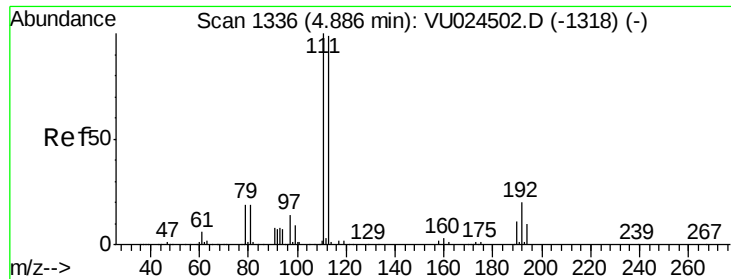
100000

50000

0

Time--> 5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 46.244 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

MW-8S-062818

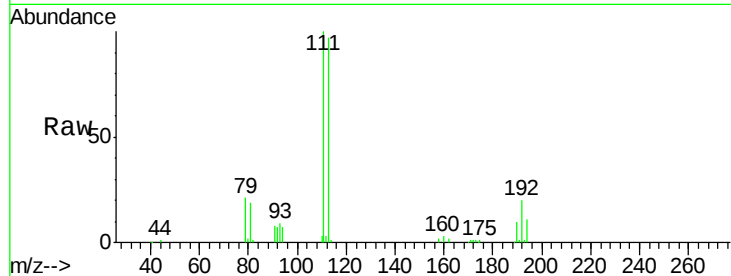
Tot Ion:113 Resp: 117757

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

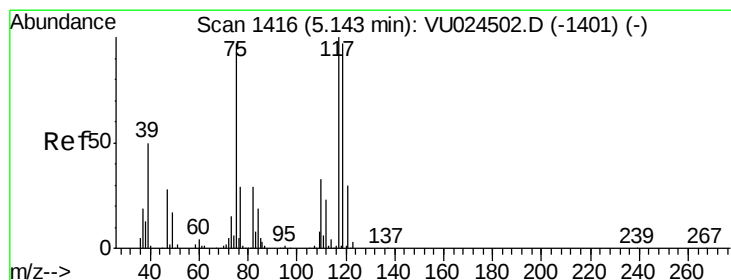
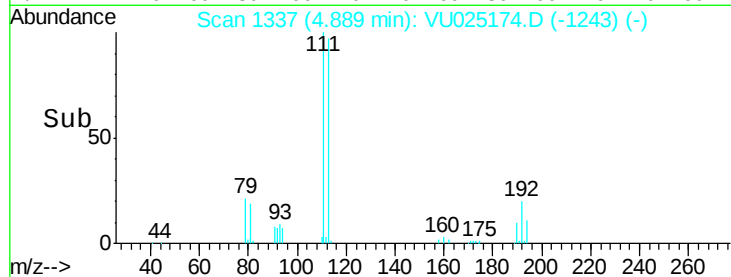
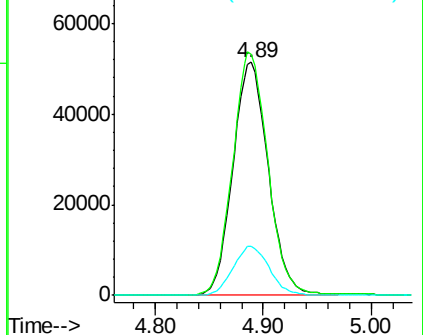
192 21.5 16.2 24.4



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: 4.150 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

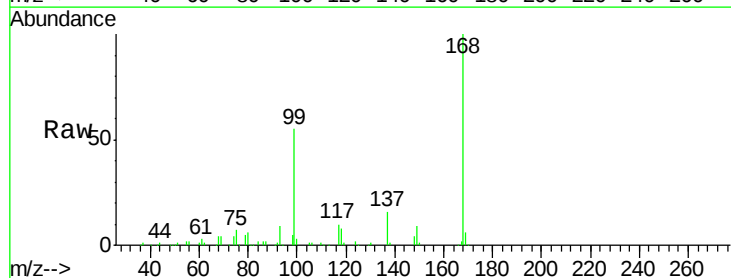
Tgt Ion: 75 Resp: 14964

Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

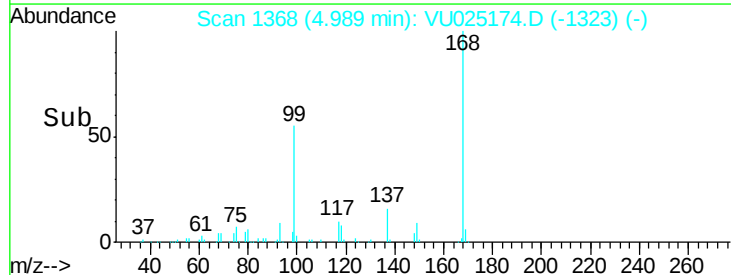
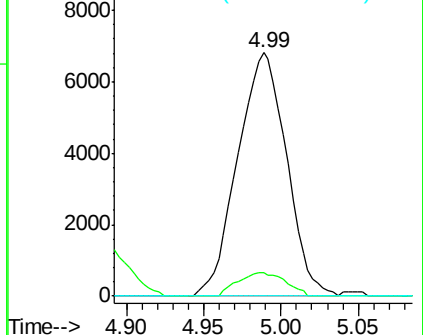
77 0.0 24.2 36.4#

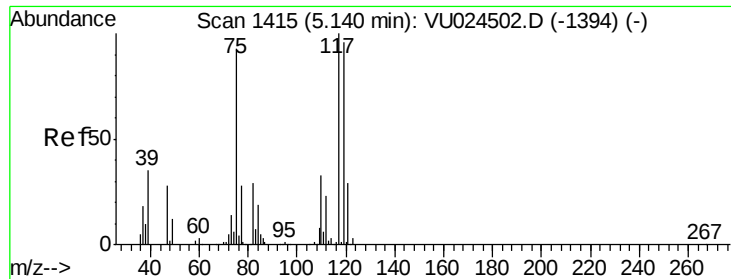


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.910 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

MW-8S-062818

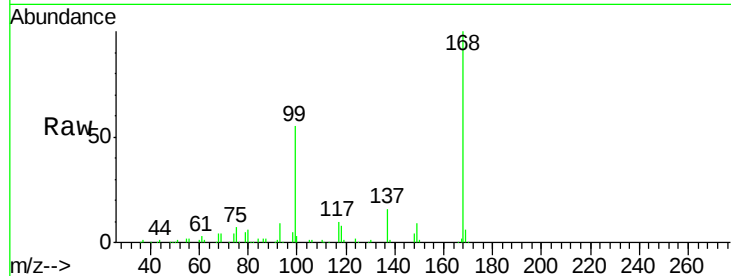
Tot Ion:117 Resp: 19465

Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

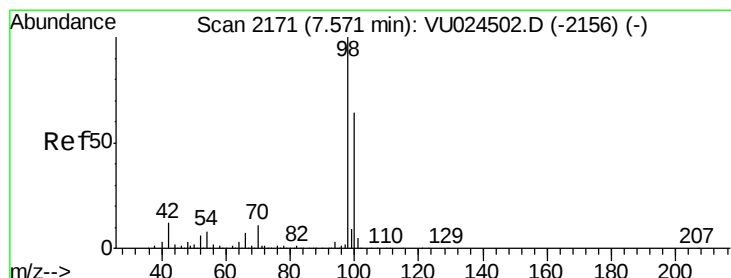
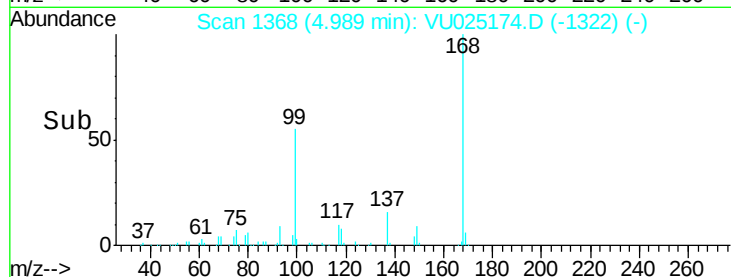
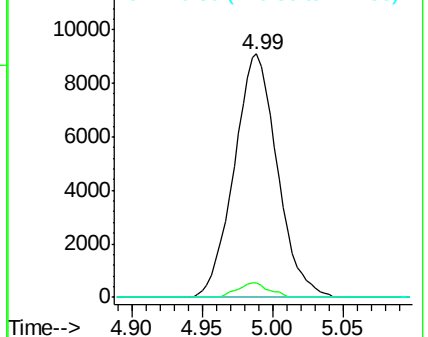
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.329 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025174.D

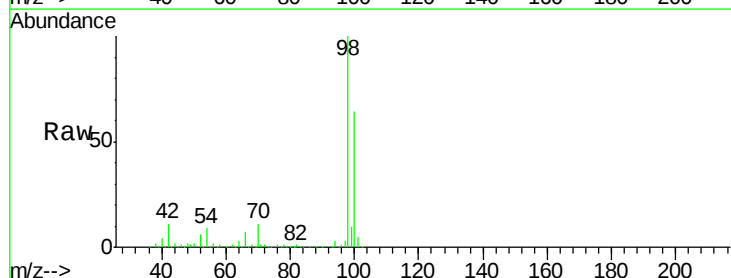
Acq: 03 Jul 2018 05:03

Tgt Ion: 98 Resp: 439606

Ion Ratio Lower Upper

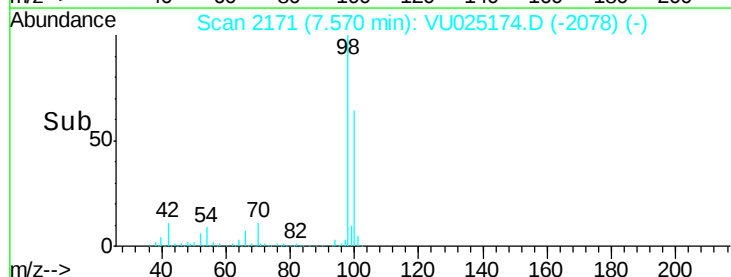
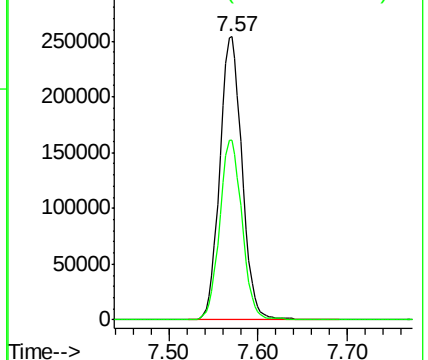
98 100

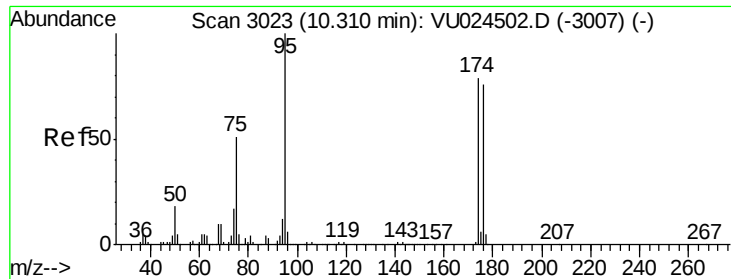
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.072 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

MW-8S-062818

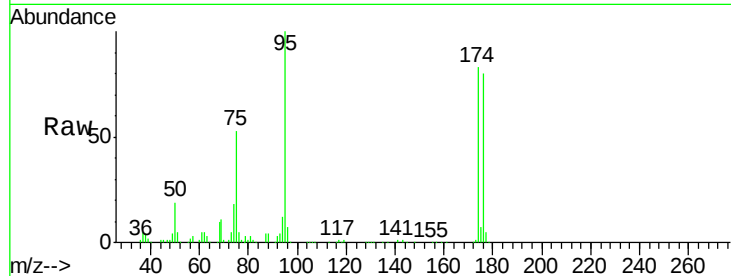
Tot Ion: 95 Resp: 162530

Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

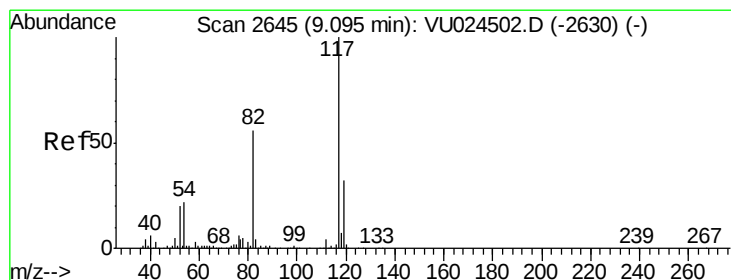
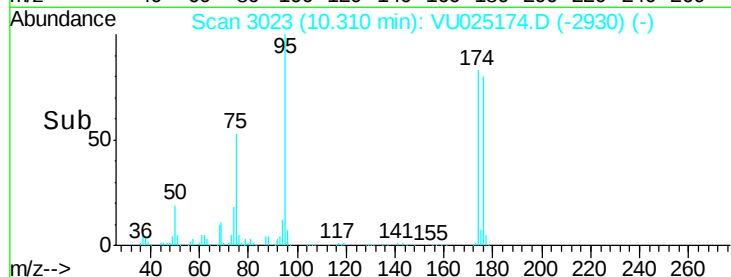
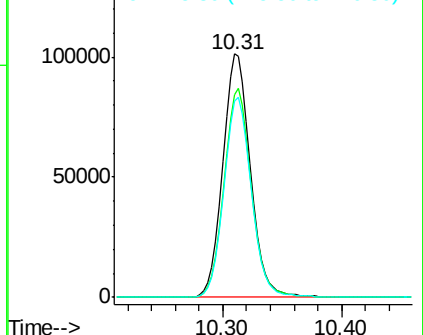
176 81.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025174.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025174.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025174.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

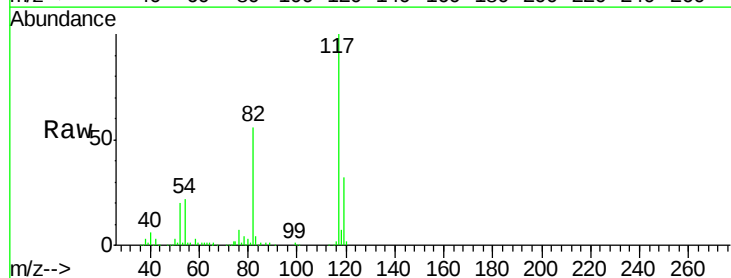
Tgt Ion: 117 Resp: 284327

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

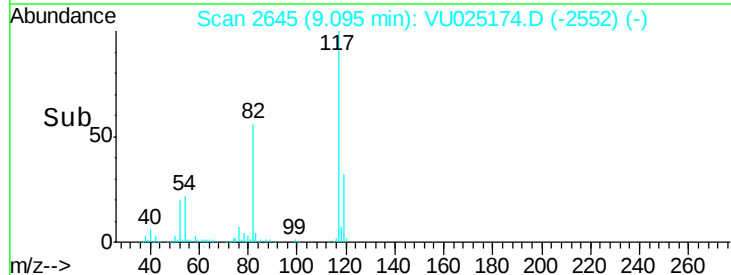
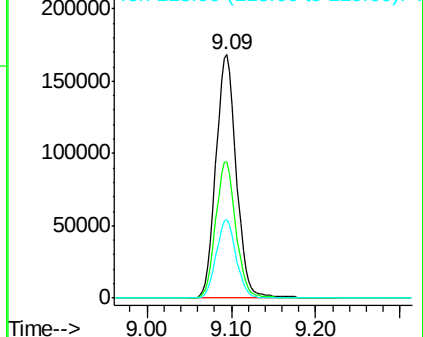
119 32.4 25.4 38.2

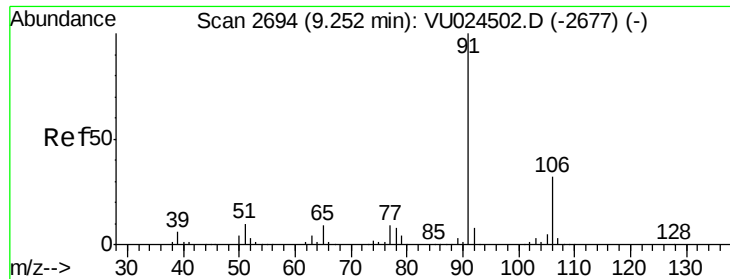


Abundance Ion 116.90 (116.60 to 117.60): VU025174.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025174.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025174.D (-2552) (-)

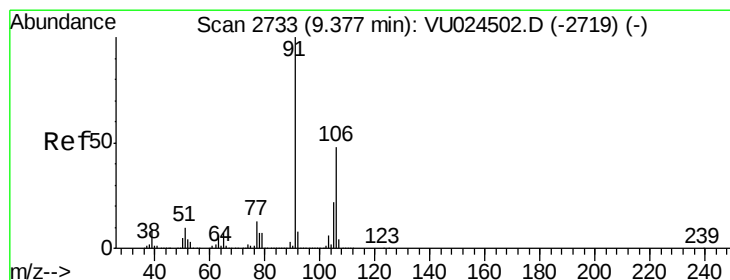
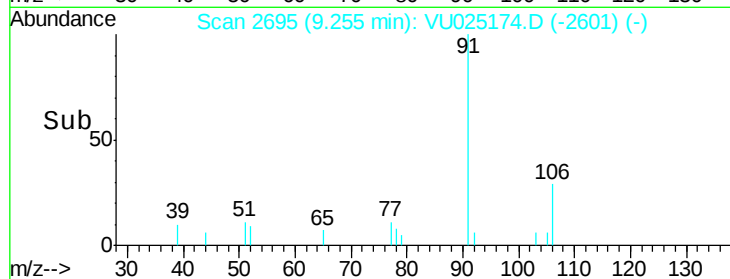
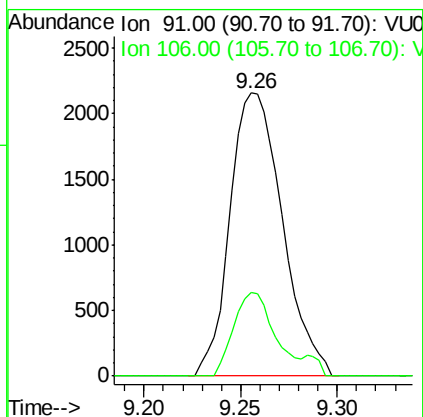
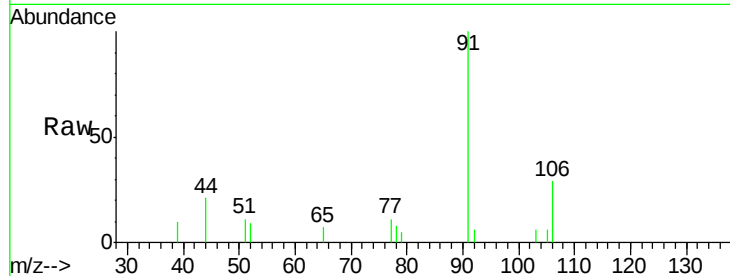




#67
Ethyl Benzene
Concen: 0.319 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025174.D
Acq: 03 Jul 2018 05:03

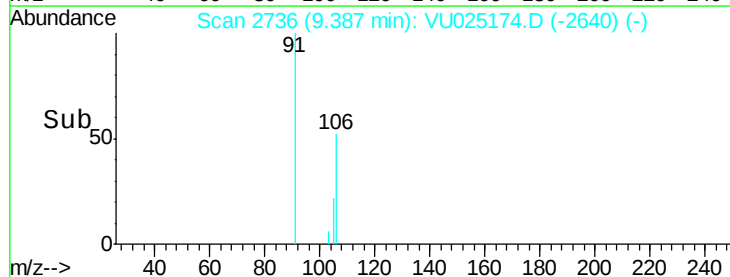
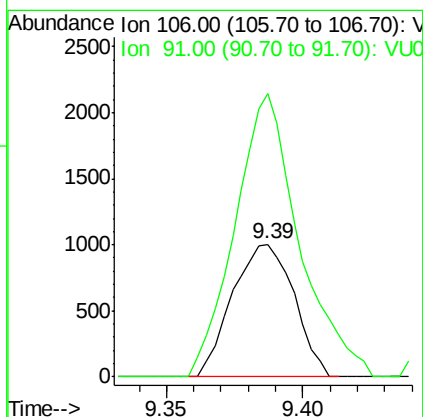
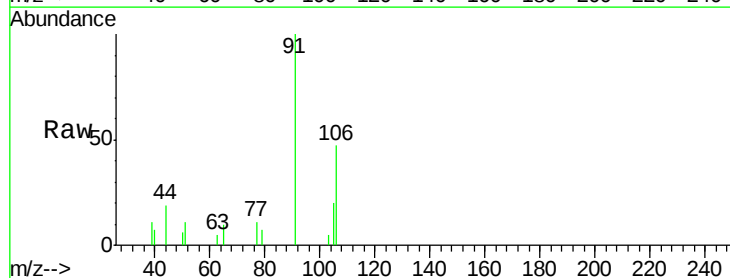
Instrument :
MSVOA_U
ClientSampleId :
MW-8S-062818

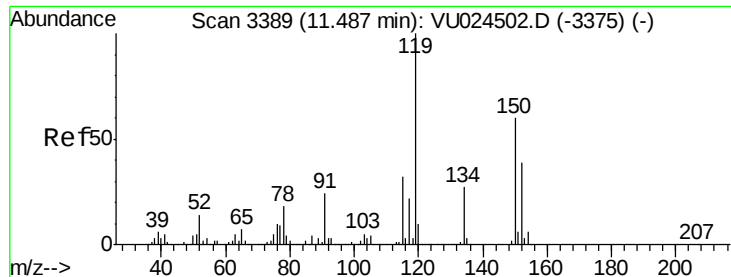
Tot Ion: 91.00 (90.70 to 91.70): VU025174.D (-2601) (-)
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4



#68
m/p-Xylenes
Concen: 0.322 ug/l
RT: 9.39 min Scan# 2736
Delta R.T. 0.01 min
Lab File: VU025174.D
Acq: 03 Jul 2018 05:03

Tgt Ion: 106 Resp: 1574
Ion Ratio Lower Upper
106 100
91 221.9 166.5 249.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

MW-8S-062818

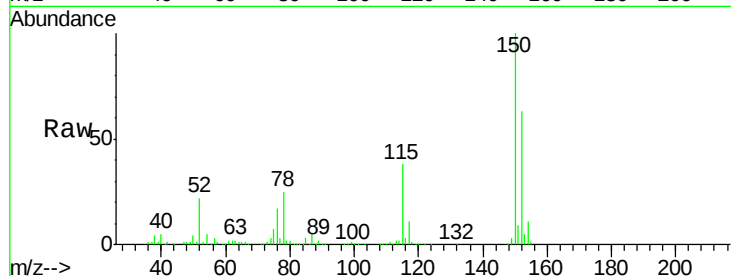
Tot Ion:152 Resp: 146205

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

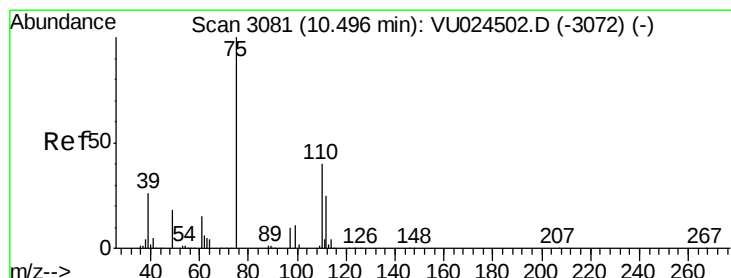
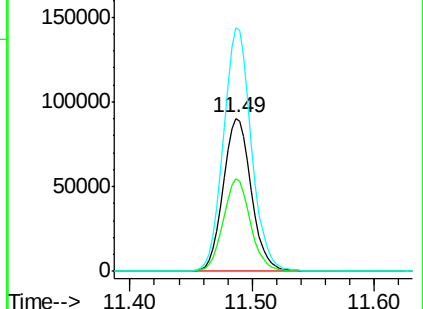
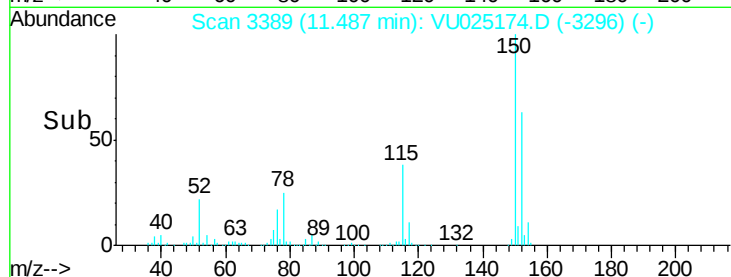
150 158.1 0.0 354.0



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: 26.328 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025174.D

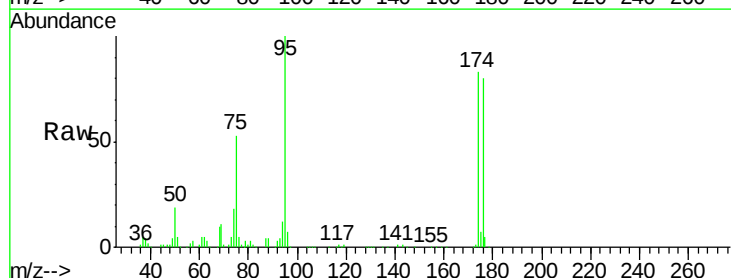
Acq: 03 Jul 2018 05:03

Tgt Ion: 75 Resp: 84748

Ion Ratio Lower Upper

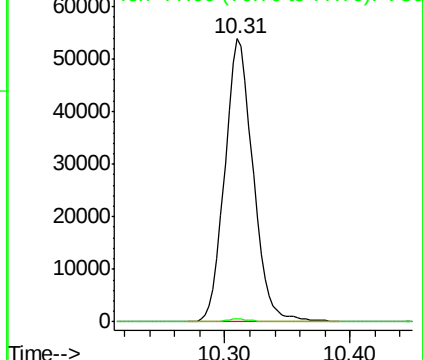
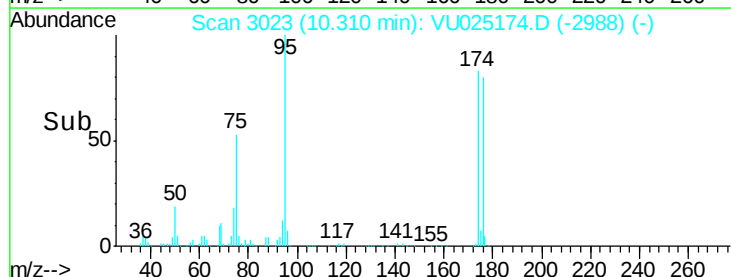
75 100

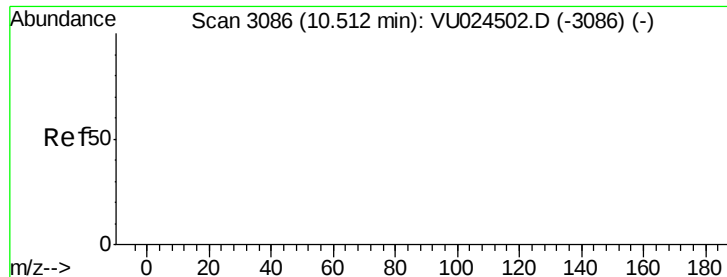
77 1.0 20.9 62.7#



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: 60.934 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

MW-8S-062818

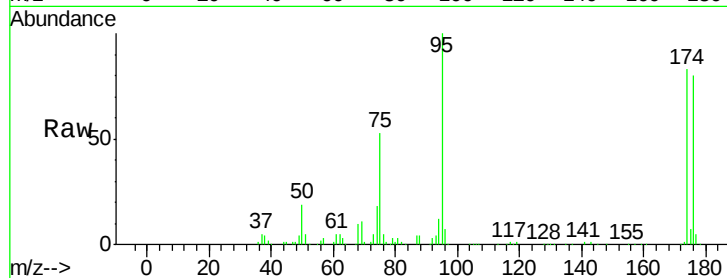
Tot Ion: 75 Resp: 84748

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

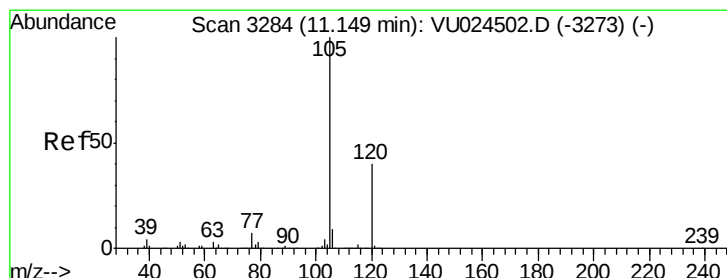
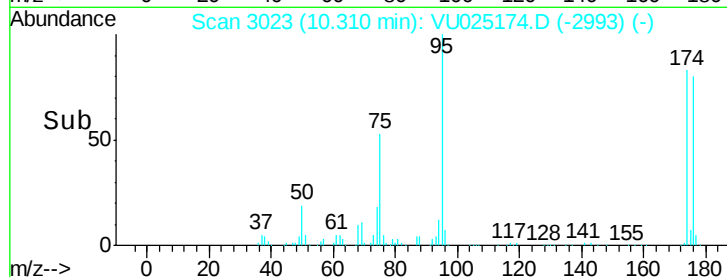
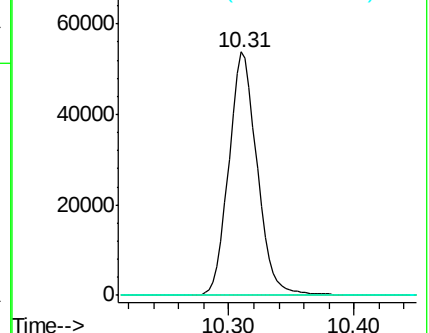
89 0.0 0.0 0.0



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: 0.707 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025174.D

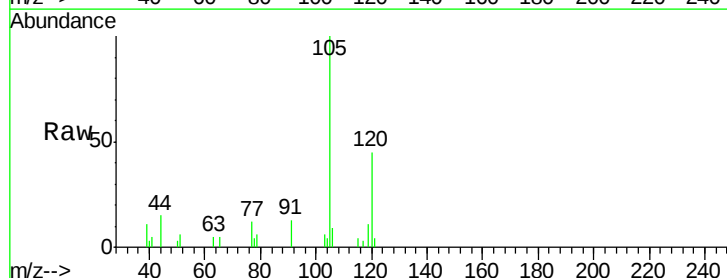
Acq: 03 Jul 2018 05:03

Tgt Ion: 105 Resp: 7011

Ion Ratio Lower Upper

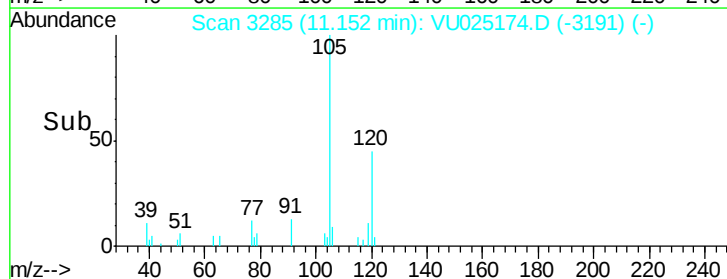
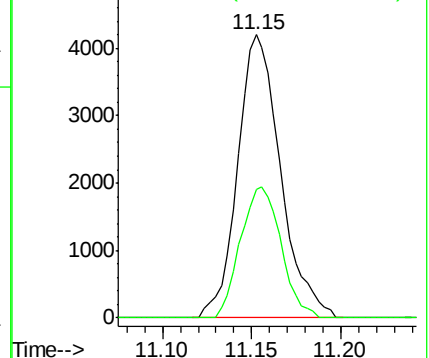
105 100

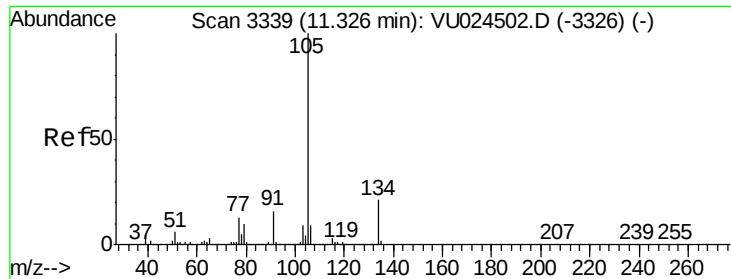
120 43.7 22.6 67.8



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: 0.598 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. -0.17 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

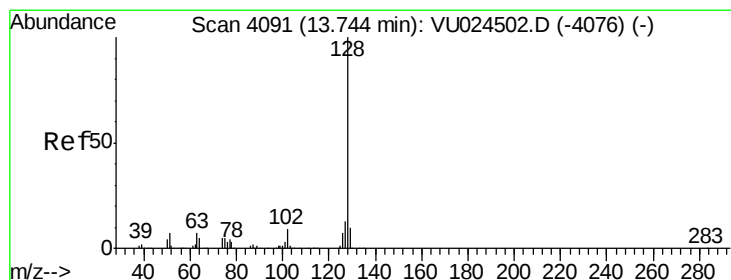
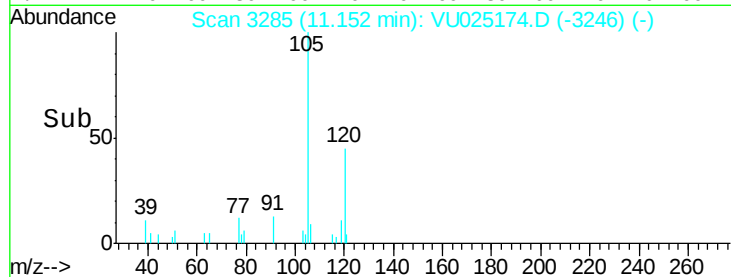
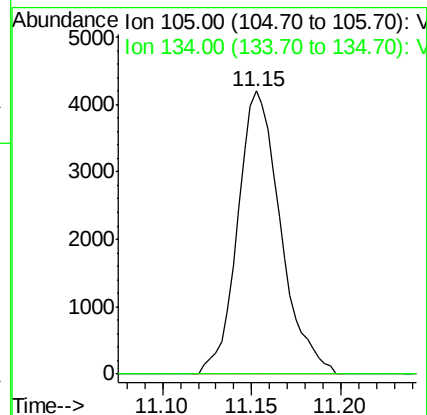
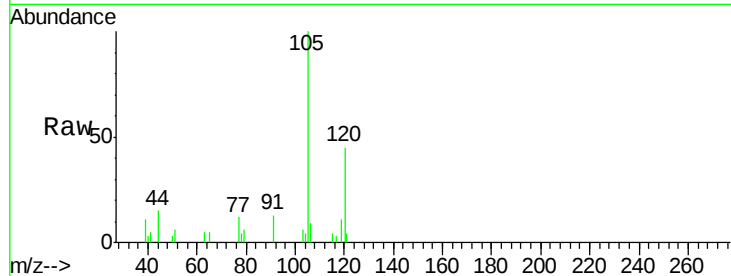
MW-8S-062818

Tot Ion:105 Resp: 7011

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#



#95

Naphthalene

Concen: 1.207 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025174.D

Acq: 03 Jul 2018 05:03

Tgt Ion:128 Resp: 5749

Ion Ratio Lower Upper

128 100

127 9.3 10.6 16.0#

129 6.7 8.6 12.8#

