

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025119.D
 Acq On : 01 Jul 2018 04:55
 Operator : MD/SY
 Sample : J3804-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-03

Quant Time: Jul 02 05:47:29 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	208658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309969	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147345	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	155368	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	4.89	113	121970	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	7.57	98	444691	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	163391	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	

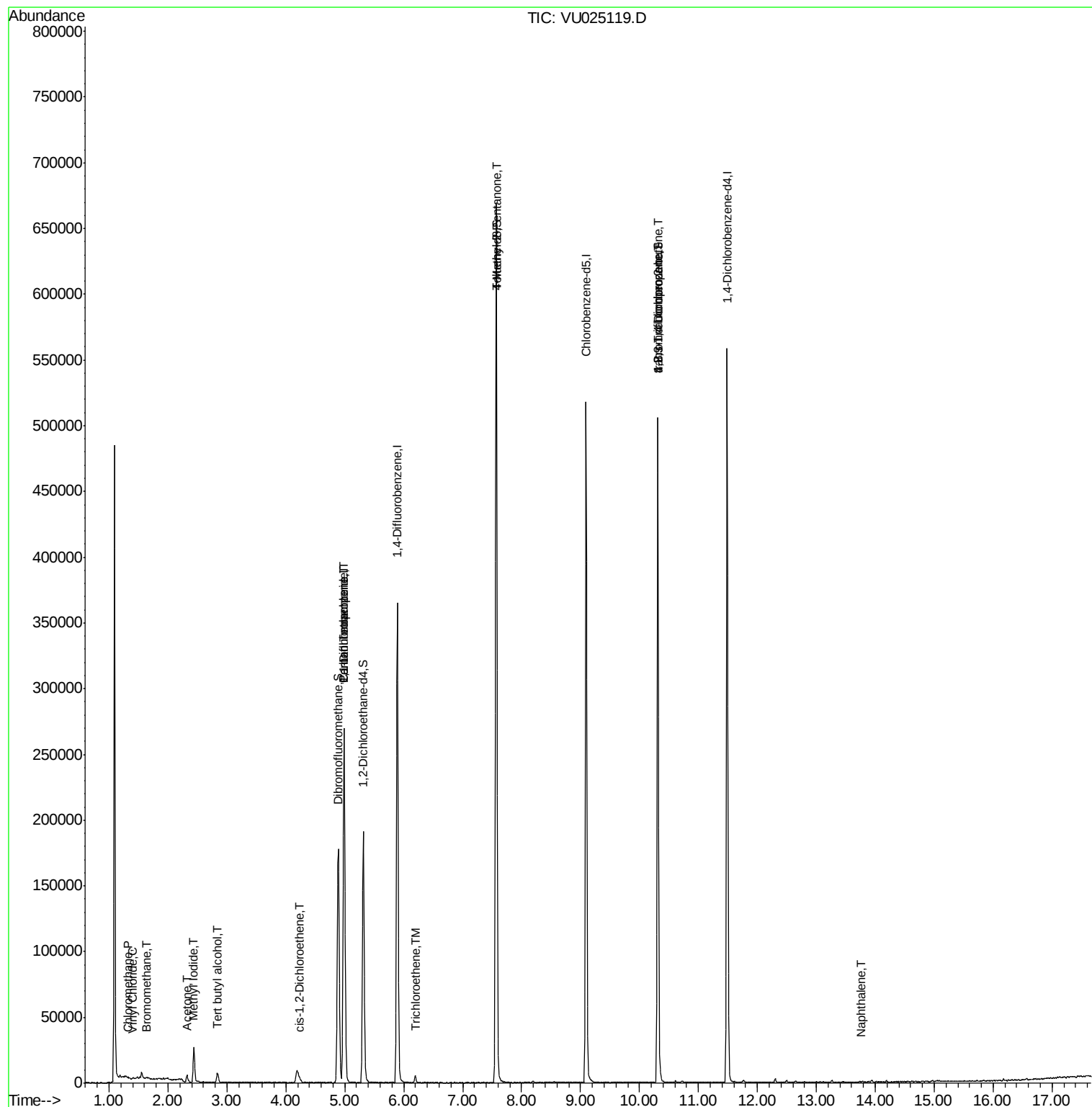
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	772	0.289	ug/l #	73
4) Vinyl Chloride	1.41	62	626	0.227	ug/l #	57
5) Bromomethane	1.63	94	372	0.280	ug/l	88
6) Chloroethane	1.68	64	46	Below Cal	#	43
10) Methyl Iodide	2.42	142	42	5.306	ug/l #	40
11) Tert butyl alcohol	2.83	59	4453	5.375	ug/l #	75
16) Acetone	2.32	43	5997	3.277	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	1910	0.635	ug/l	98
31) Cyclohexane	4.99	56	4006	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	15769	4.329	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19911	4.971	ug/l #	16
44) Trichloroethene	6.20	130	2079	0.704	ug/l	97
51) 4-Methyl-2-Pentanone	7.57	43	2244	0.521	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	86254	26.589	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	86254	61.537	ug/l #	100
95) Naphthalene	13.76	128	74	0.686	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: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

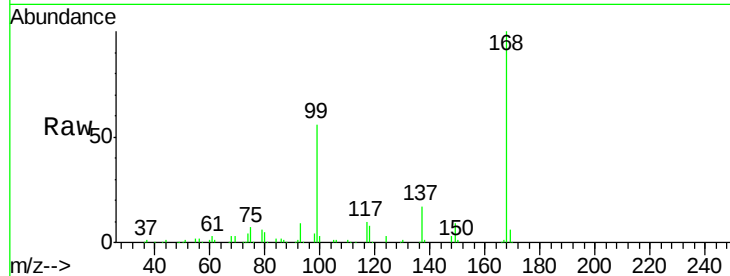
MW-03

Tgt Ion:168 Resp: 208658

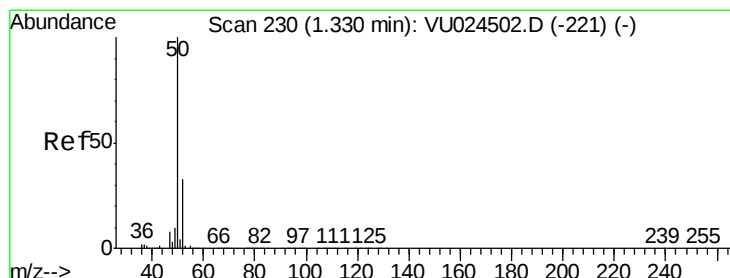
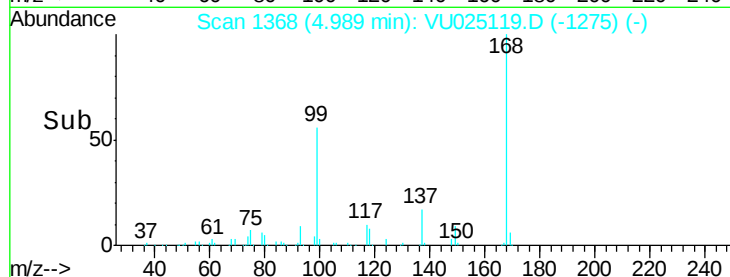
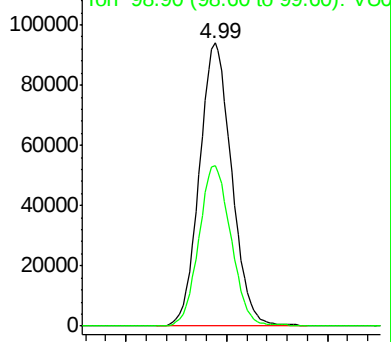
Ion Ratio Lower Upper

168 100

99 56.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025119.D (-1275) (-)



#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025119.D

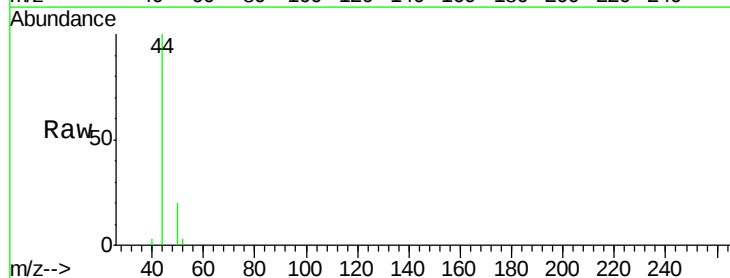
Acq: 01 Jul 2018 04:55

Tgt Ion: 50 Resp: 772

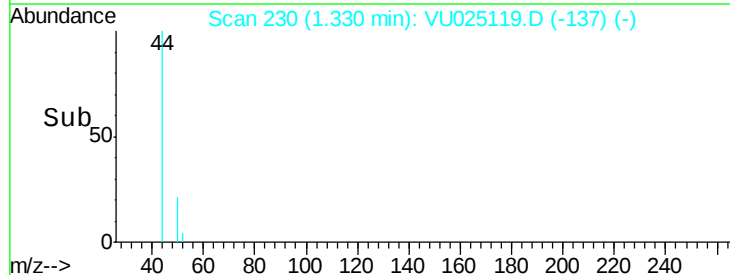
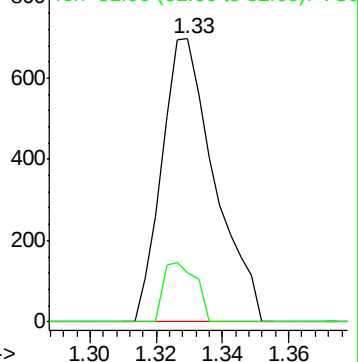
Ion Ratio Lower Upper

50 100

52 17.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025119.D (-137) (-)





#4

Vinyl Chloride

Concen: 0.227 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

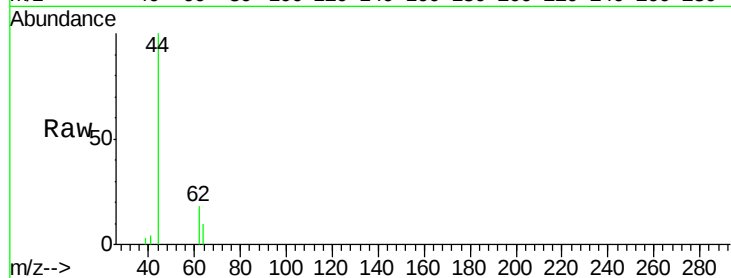
MW-03

Tgt Ion: 62 Resp: 626

Ion Ratio Lower Upper

62 100

64 54.4 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.41

600

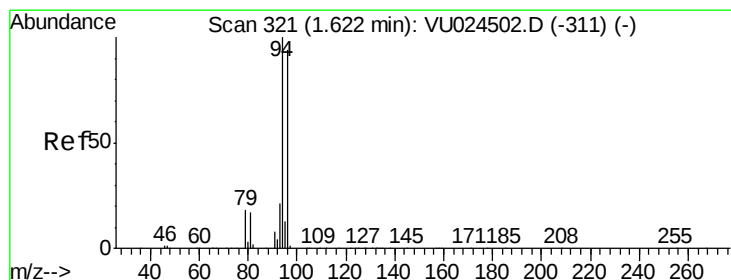
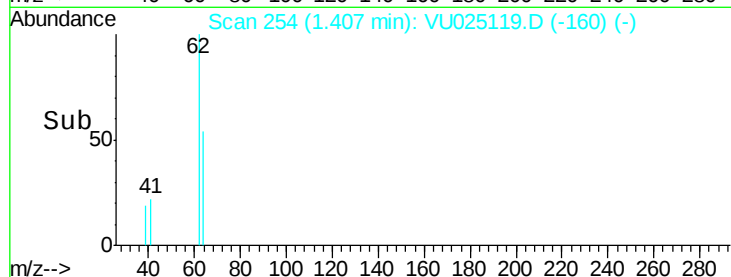
400

200

0

1.38 1.40 1.42 1.44

Time-->



#5

Bromomethane

Concen: 0.280 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025119.D

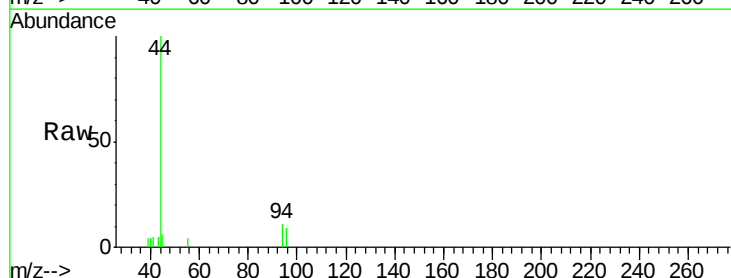
Acq: 01 Jul 2018 04:55

Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 81.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

300

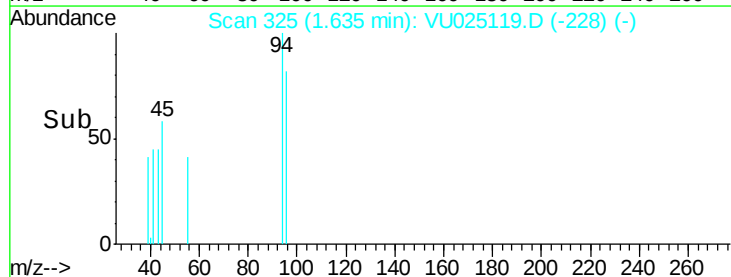
200

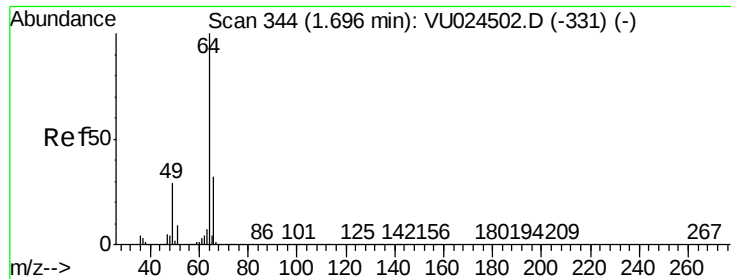
100

0

1.60 1.62 1.64 1.66

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

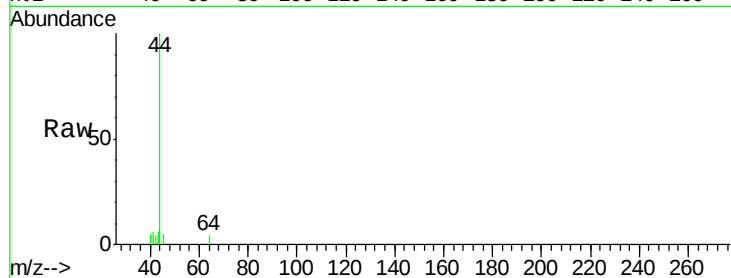
MW-03

Tgt Ion: 64 Resp: 46

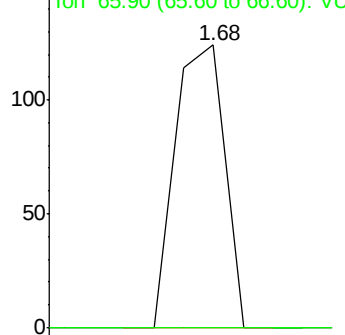
Ion Ratio Lower Upper

64 100

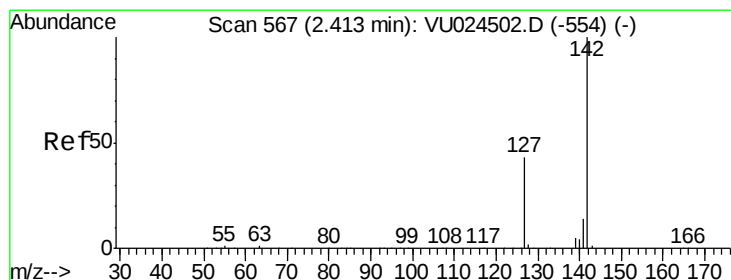
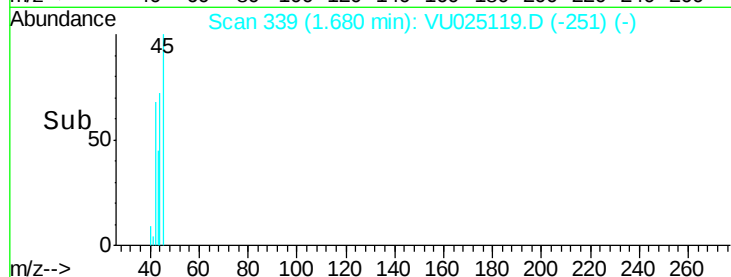
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU025119.D (-251) (-)



Time-->



#10

Methyl Iodide

Concen: 5.306 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

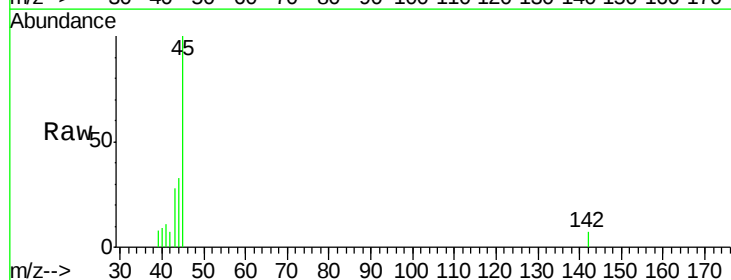
Tgt Ion: 142 Resp: 42

Ion Ratio Lower Upper

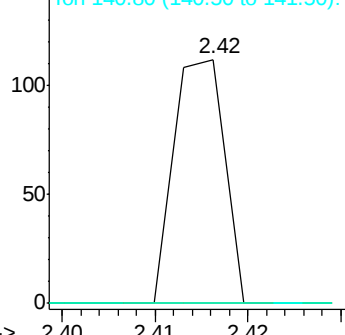
142 100

127 0.0 35.6 53.4#

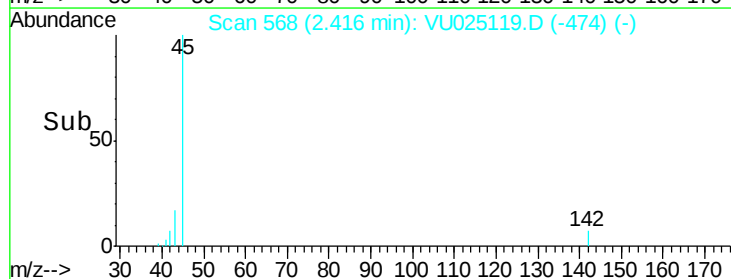
141 0.0 11.7 17.5#

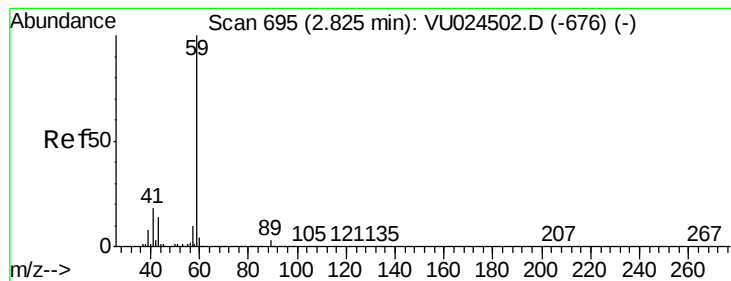


Abundance Ion 141.80 (141.50 to 142.50): VU025119.D (-474) (-)



Time-->



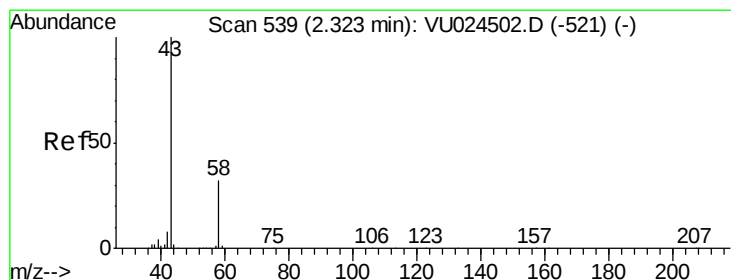
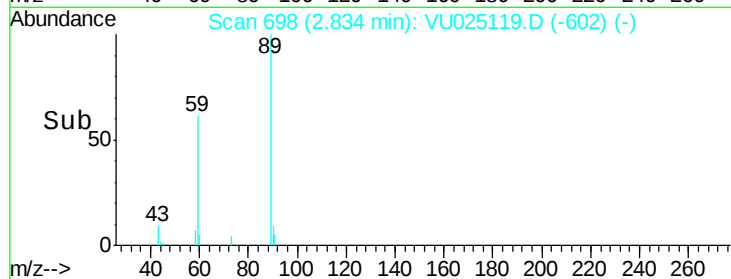
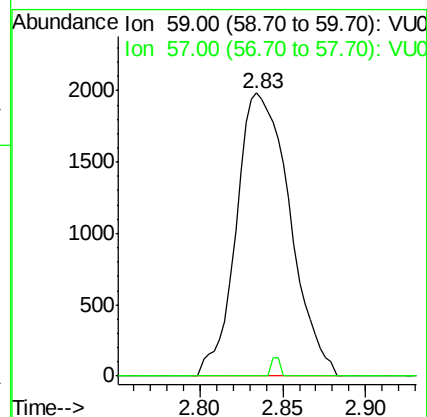
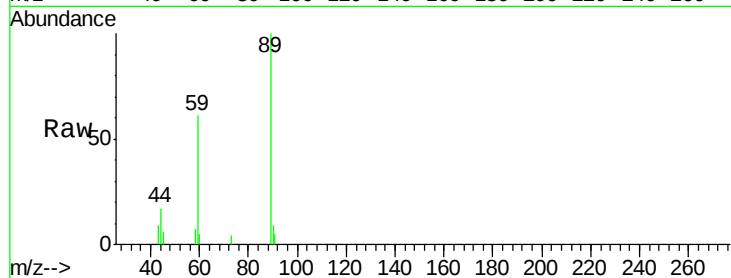


#11

Tert butyl alcohol
 Concen: 5.375 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-03

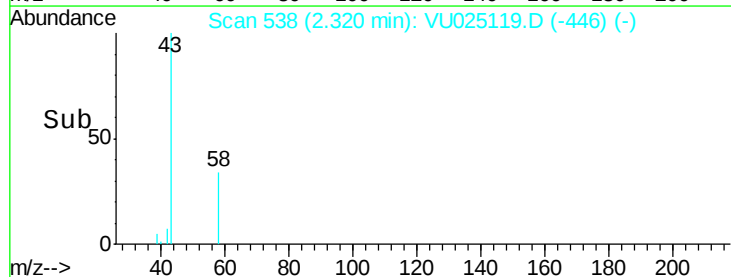
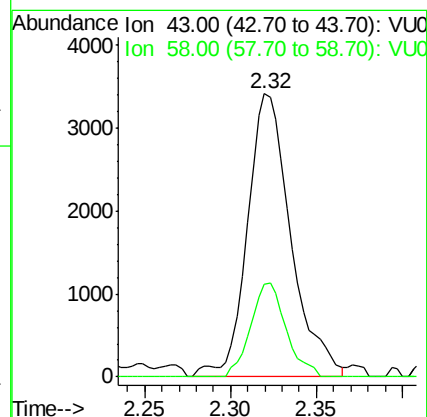
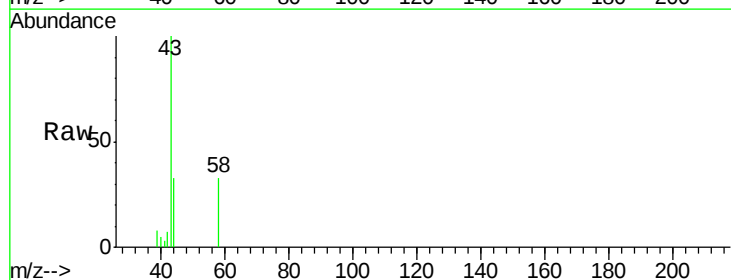
Tgt Ion: 59 Resp: 4453
 Ion Ratio Lower Upper
 59 100
 57 1.1 8.5 12.7#

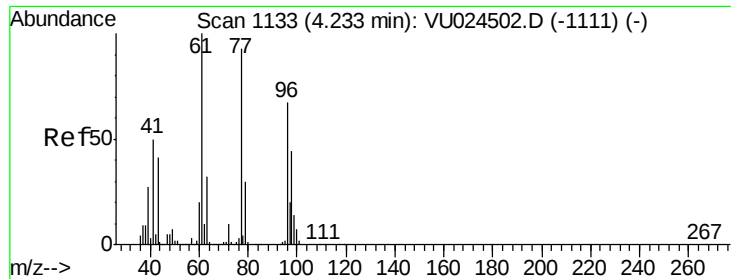


#16

Acetone
 Concen: 3.277 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

Tgt Ion: 43 Resp: 5997
 Ion Ratio Lower Upper
 43 100
 58 32.5 24.4 36.6

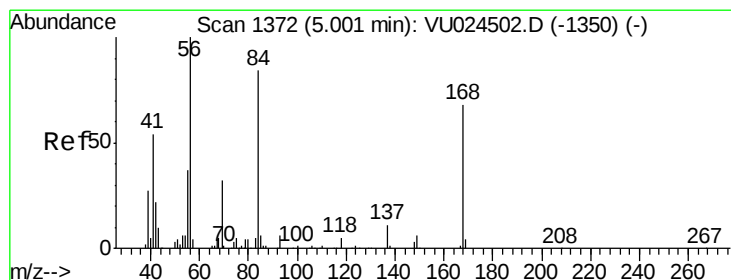
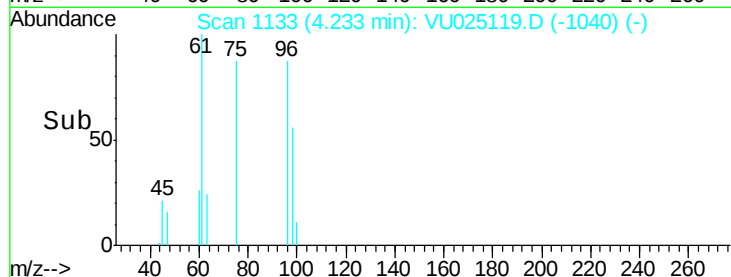
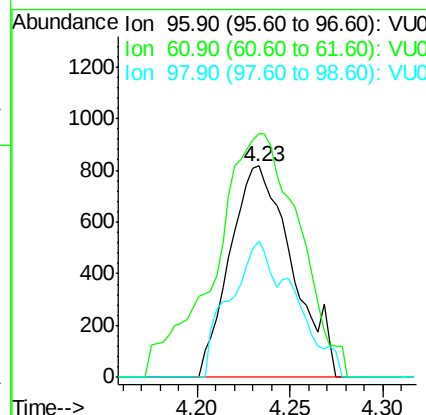
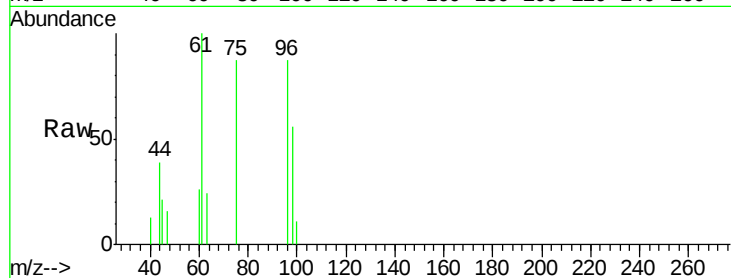




#27
 cis-1,2-Dichloroethene
 Concen: 0.635 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

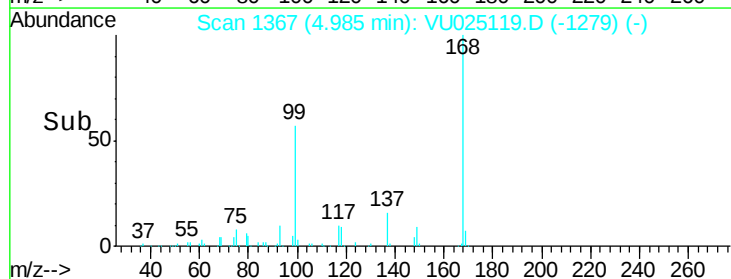
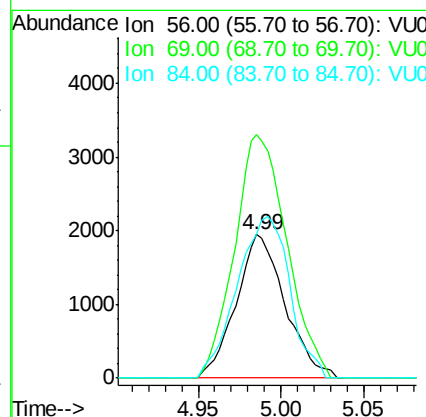
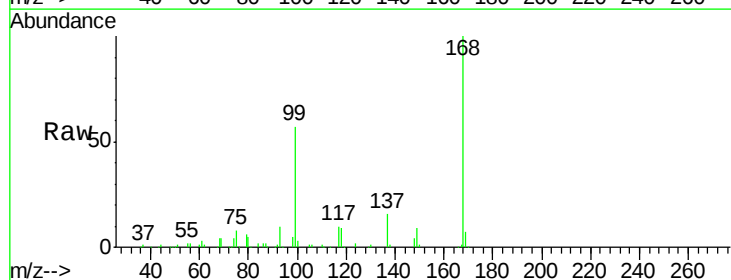
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-03

Tgt Ion: 96 Resp: 1910
 Ion Ratio Lower Upper
 96 100
 61 156.2 0.0 306.6
 98 66.6 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

Tgt Ion: 56 Resp: 4006
 Ion Ratio Lower Upper
 56 100
 69 170.0 24.8 37.2#
 84 100.3 65.2 97.8#

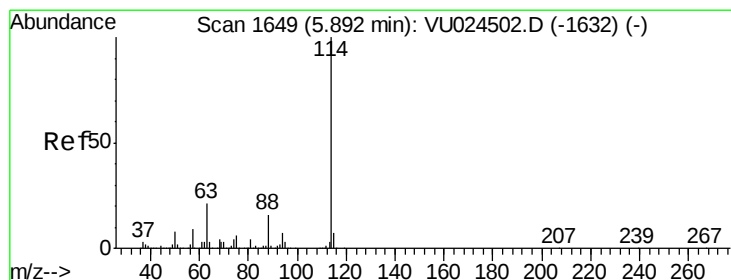
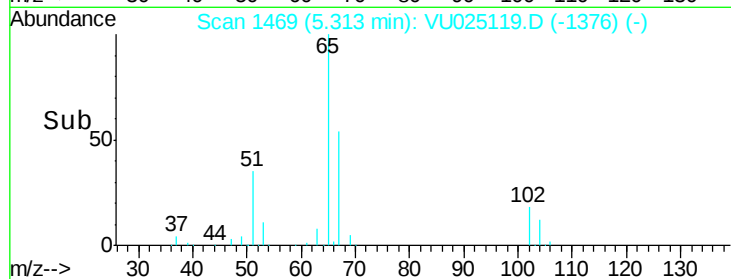
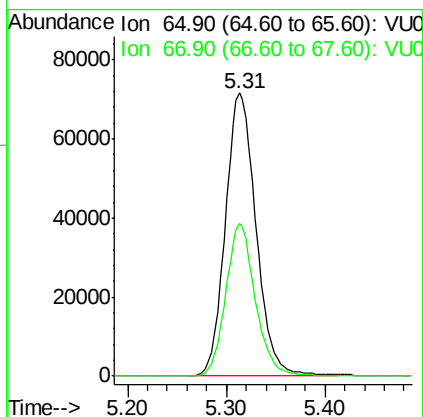
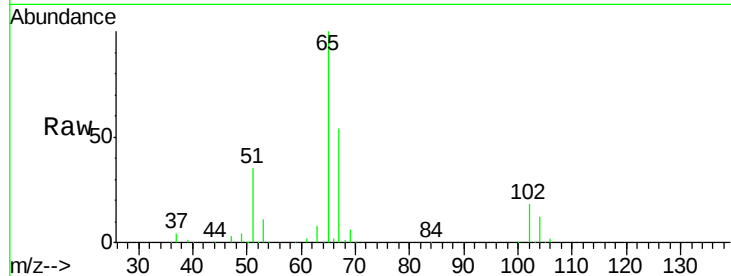




#33
 1,2-Dichloroethane-d4
 Concen: 45.611 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

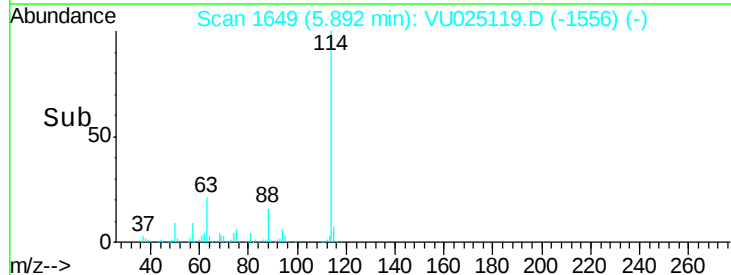
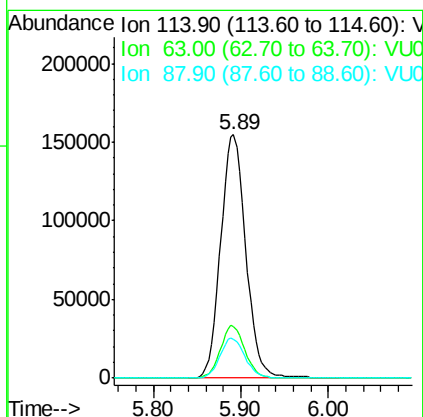
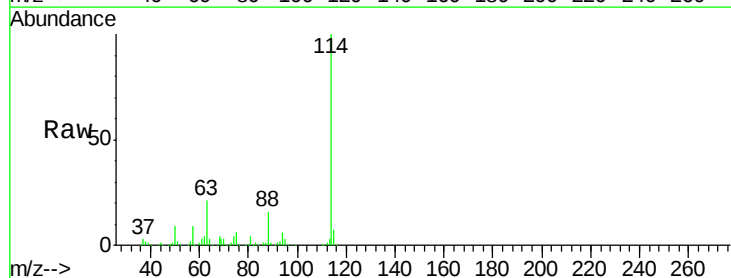
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-03

Tgt Ion: 65 Resp: 155368
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

Tgt Ion: 114 Resp: 309969
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 16.2 0.0 31.0

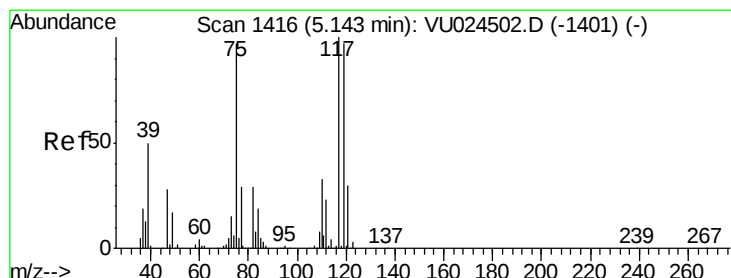
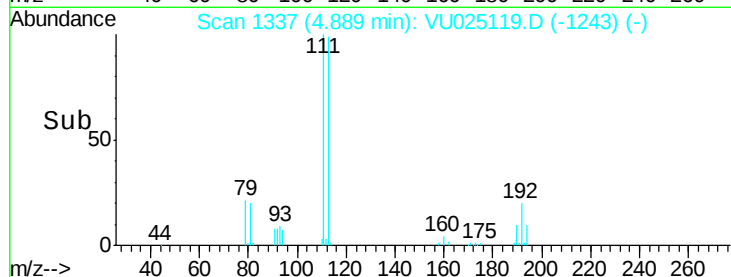
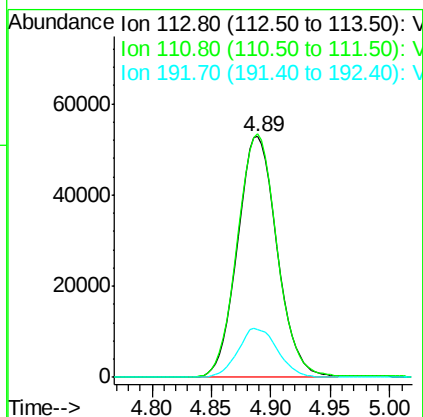
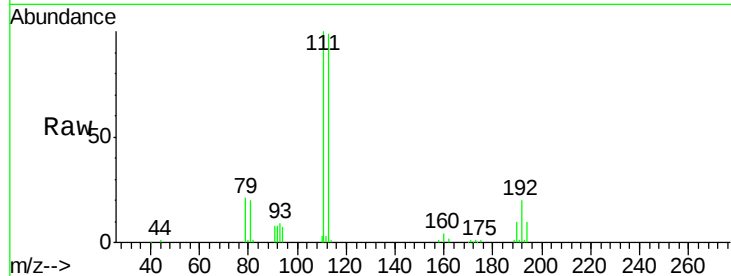




#35
Dibromofluoromethane
Concen: 47.413 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025119.D
Acq: 01 Jul 2018 04:55

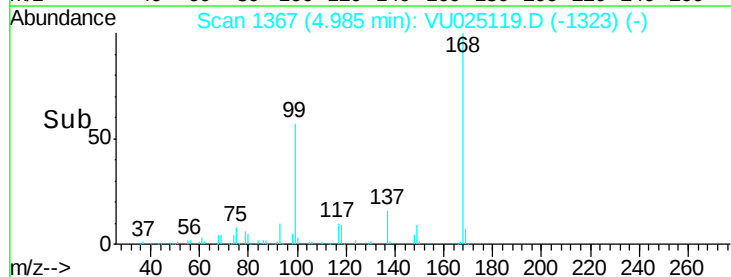
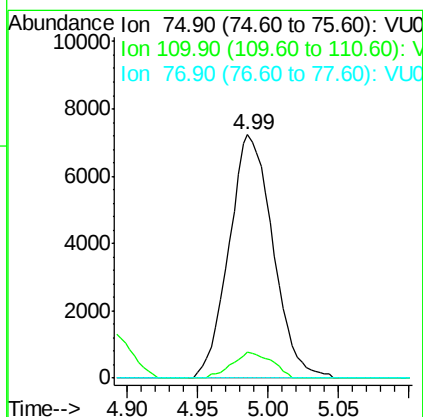
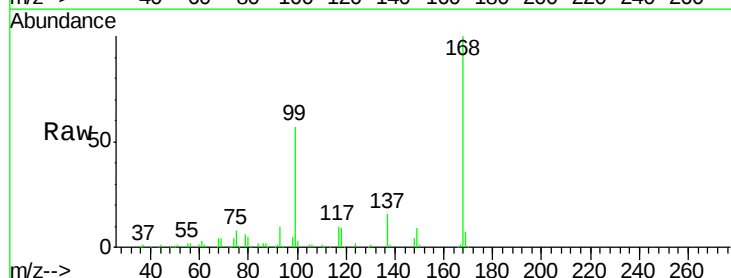
Instrument :
MSVOA_U
ClientSampleId :
MW-03

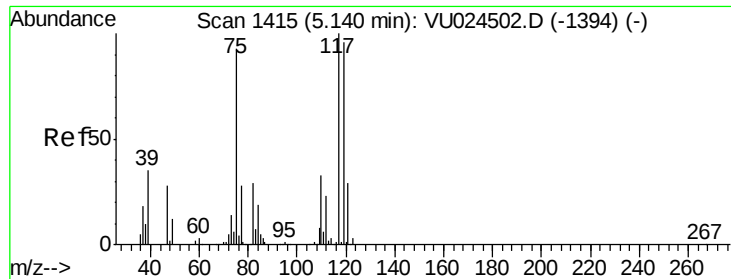
Tgt Ion:113 Resp: 121970
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.4
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.16 min
Lab File: VU025119.D
Acq: 01 Jul 2018 04:55

Tgt Ion: 75 Resp: 15769
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.2 36.4#

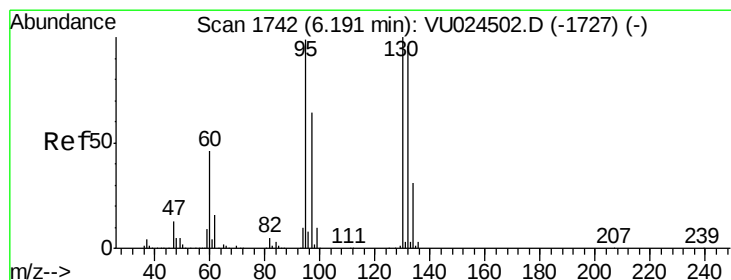
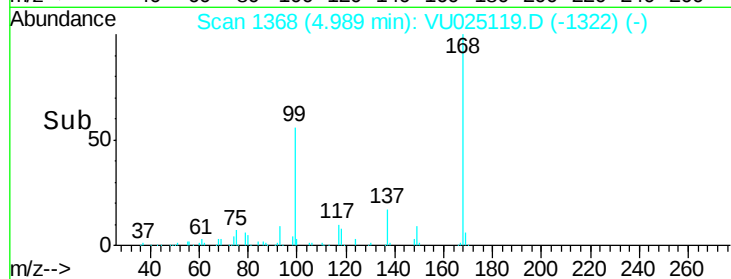
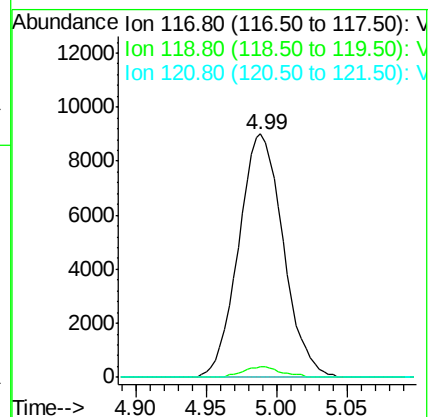
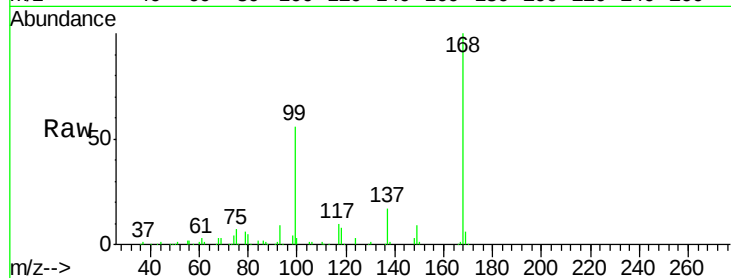




#38
 Carbon Tetrachloride
 Concen: 4.971 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

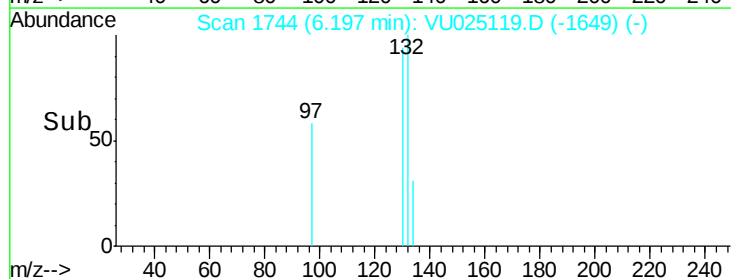
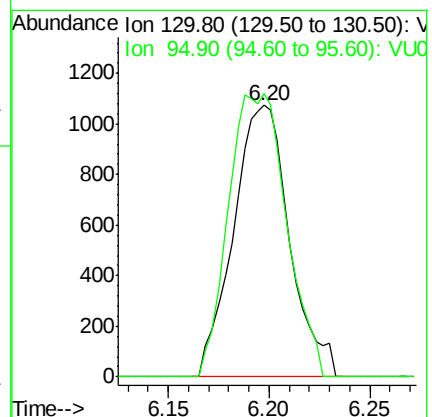
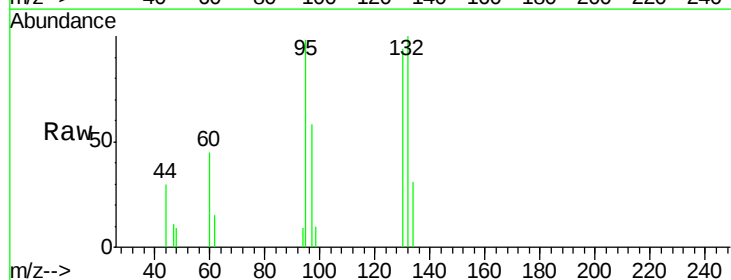
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-03

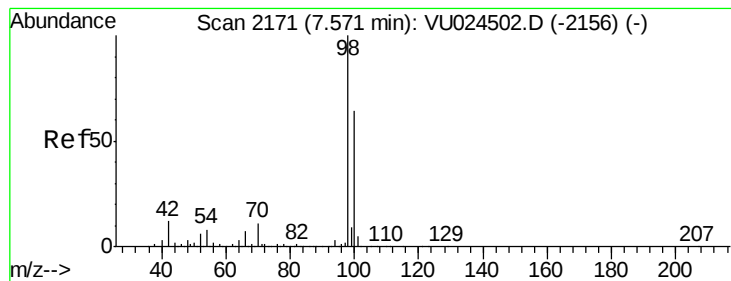
Tgt Ion:117 Resp: 19911
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.1 114.1#
 121 0.0 23.7 35.5#



#44
 Trichloroethene
 Concen: 0.704 ug/l
 RT: 6.20 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: VU025119.D
 Acq: 01 Jul 2018 04:55

Tgt Ion:130 Resp: 2079
 Ion Ratio Lower Upper
 130 100
 95 104.2 0.0 202.4





#50

Toluene-d8

Concen: 47.391 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

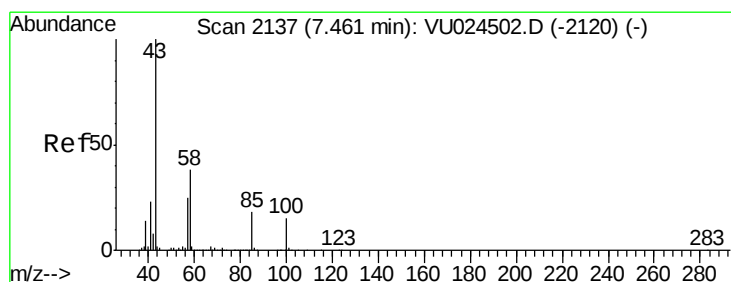
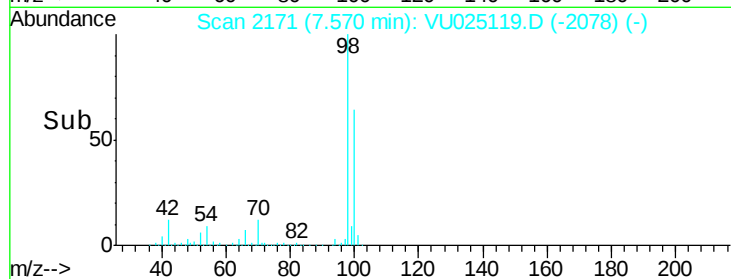
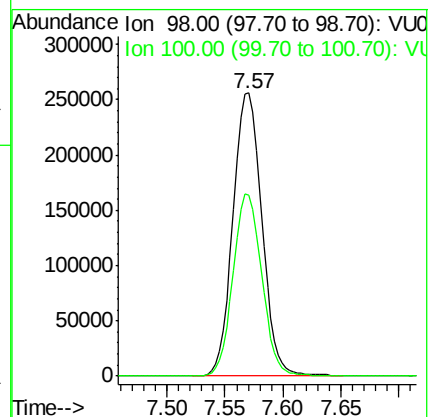
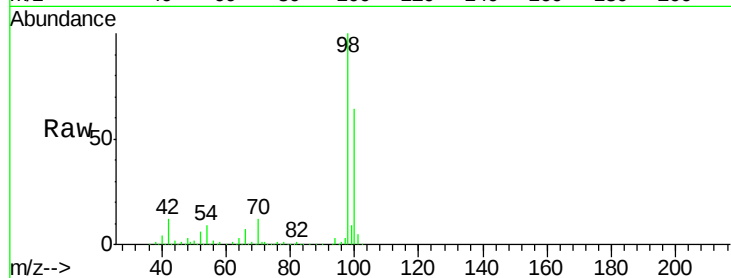
MW-03

Tgt Ion: 98 Resp: 444691

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.521 ug/l

RT: 7.57 min Scan# 2172

Delta R.T. 0.11 min

Lab File: VU025119.D

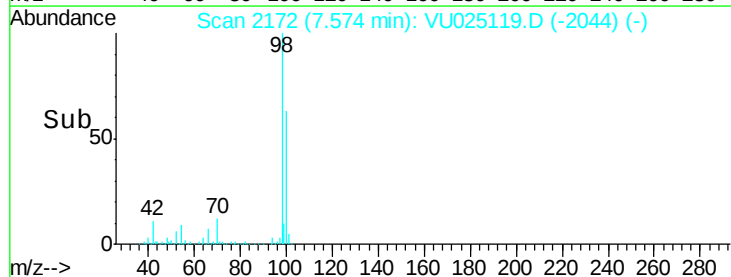
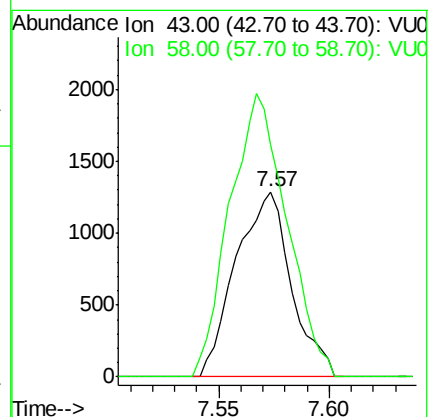
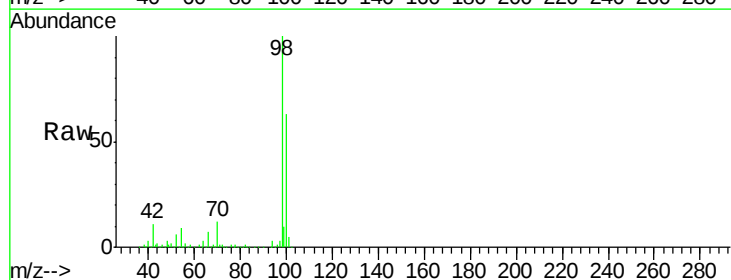
Acq: 01 Jul 2018 04:55

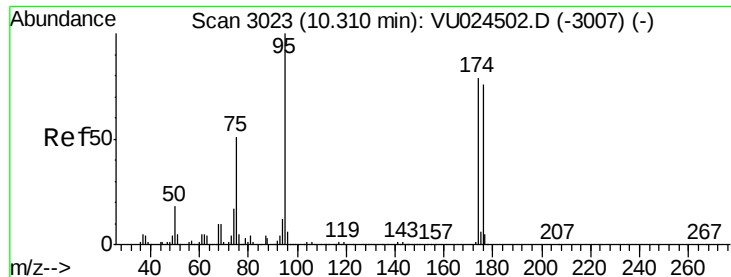
Tgt Ion: 43 Resp: 2244

Ion Ratio Lower Upper

43 100

58 157.2 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 43.856 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

MW-03

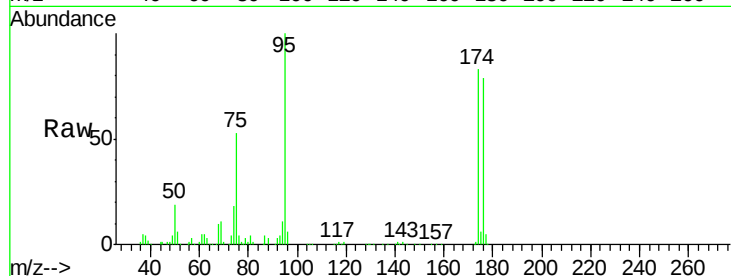
Tgt Ion: 95 Resp: 163391

Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.8

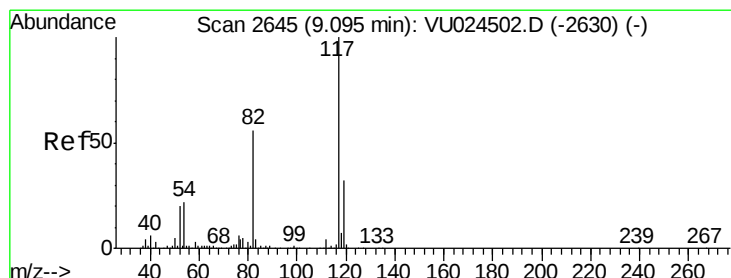
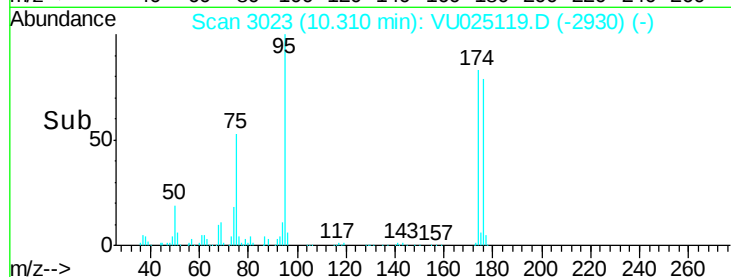
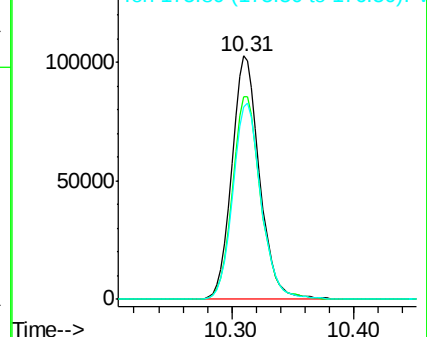
176 82.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025119.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025119.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025119.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

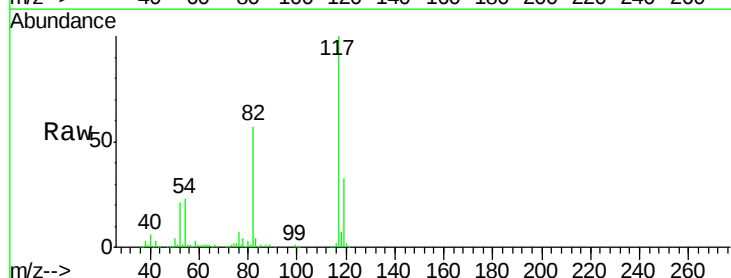
Tgt Ion: 117 Resp: 284014

Ion Ratio Lower Upper

117 100

82 56.9 44.3 66.5

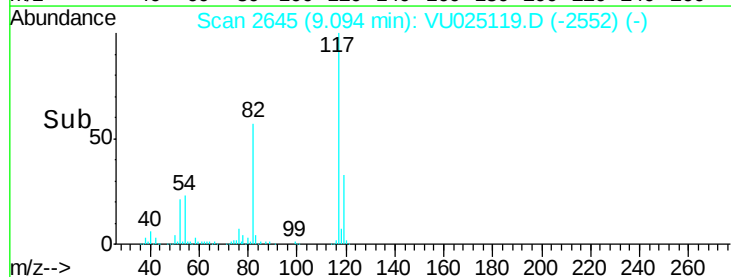
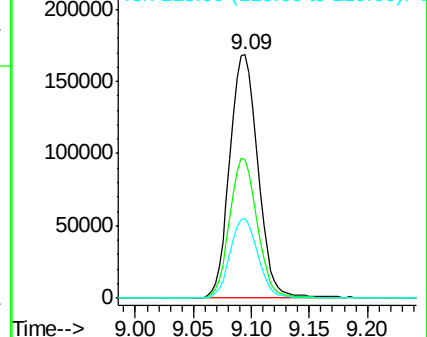
119 32.7 25.4 38.2

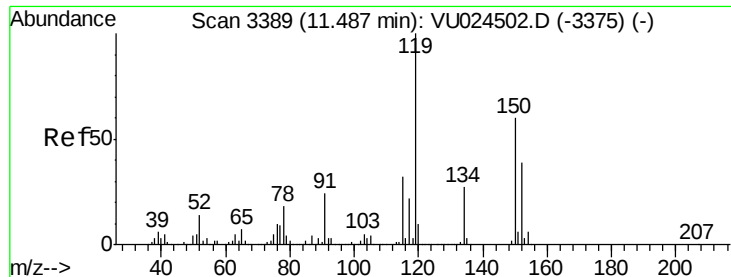


Abundance Ion 116.90 (116.60 to 117.60): VU025119.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025119.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025119.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

MW-03

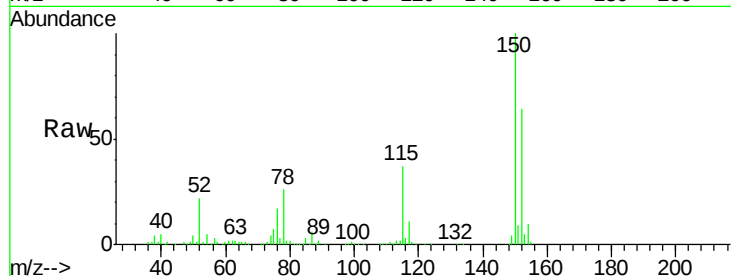
Tgt Ion:152 Resp: 147345

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

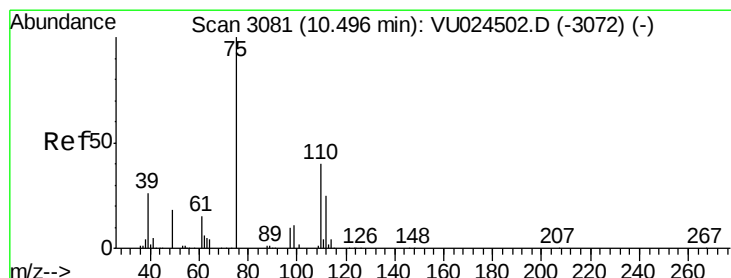
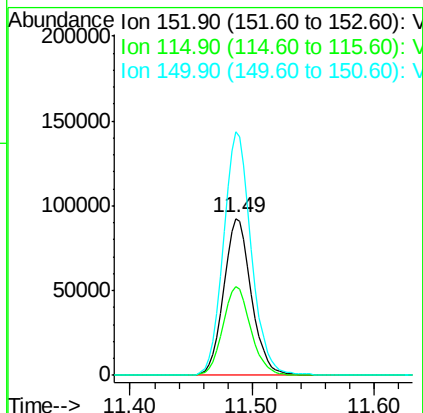
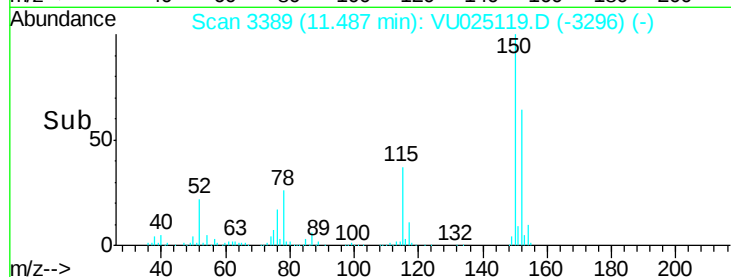
150 156.5 0.0 354.0



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: 26.589 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025119.D

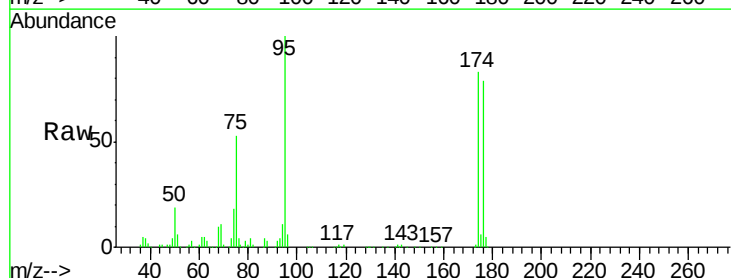
Acq: 01 Jul 2018 04:55

Tgt Ion: 75 Resp: 86254

Ion Ratio Lower Upper

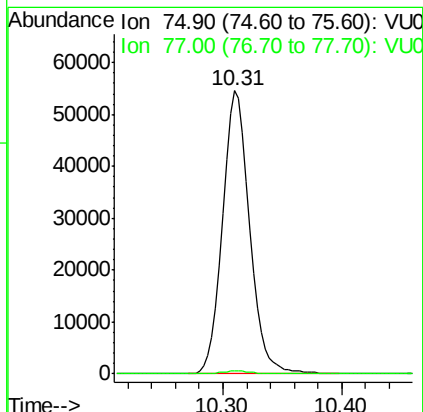
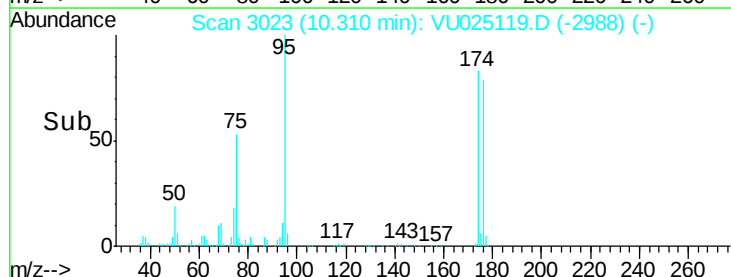
75 100

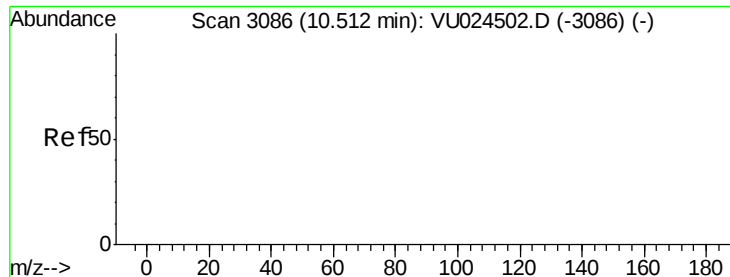
77 1.0 20.9 62.7#



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: 61.537 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

Instrument :

MSVOA_U

ClientSampleId :

MW-03

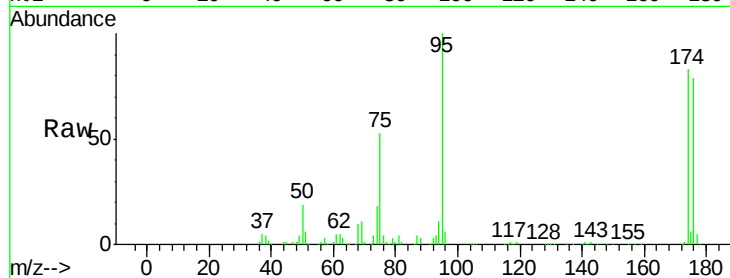
Tgt Ion: 75 Resp: 86254

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

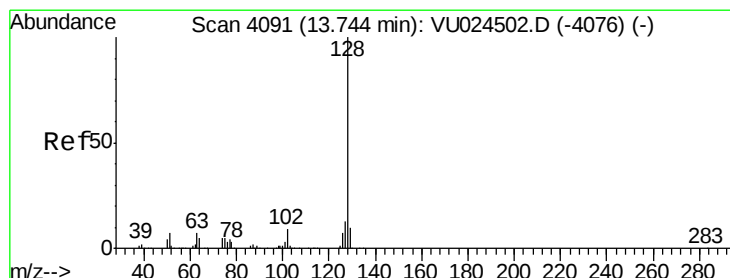
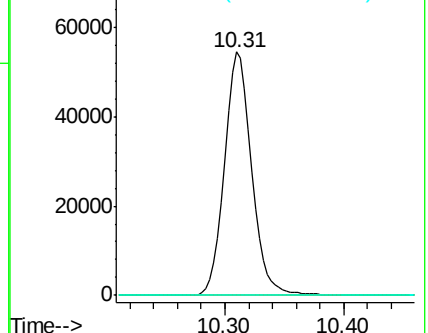
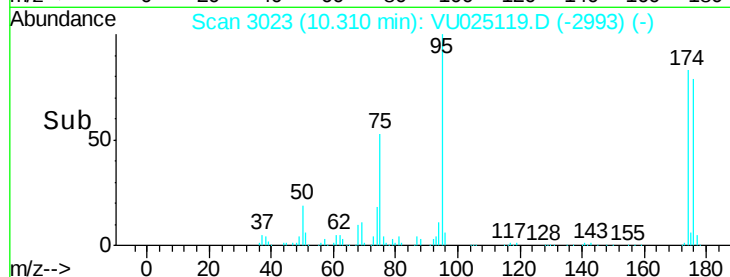
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025119.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU025119.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU025119.D (-2993) (-)



#95

Naphthalene

Concen: 0.686 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU025119.D

Acq: 01 Jul 2018 04:55

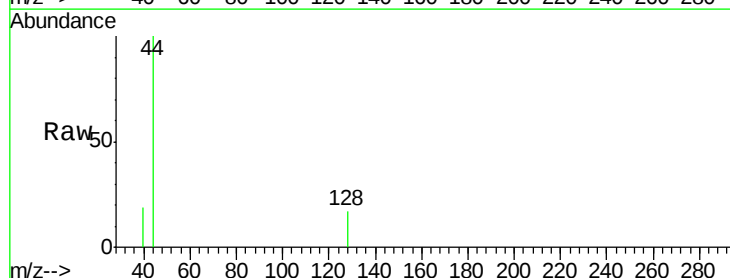
Tgt Ion: 128 Resp: 74

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): VU025119.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU025119.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU025119.D (-3997) (-)

