

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025118.D
 Acq On : 01 Jul 2018 04:31
 Operator : MD/SY
 Sample : J3804-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-02

Quant Time: Jul 02 05:47:16 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	208103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145516	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	157215	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
35) Dibromofluoromethane	4.89	113	121600	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	7.57	98	442866	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	10.31	95	163452	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	

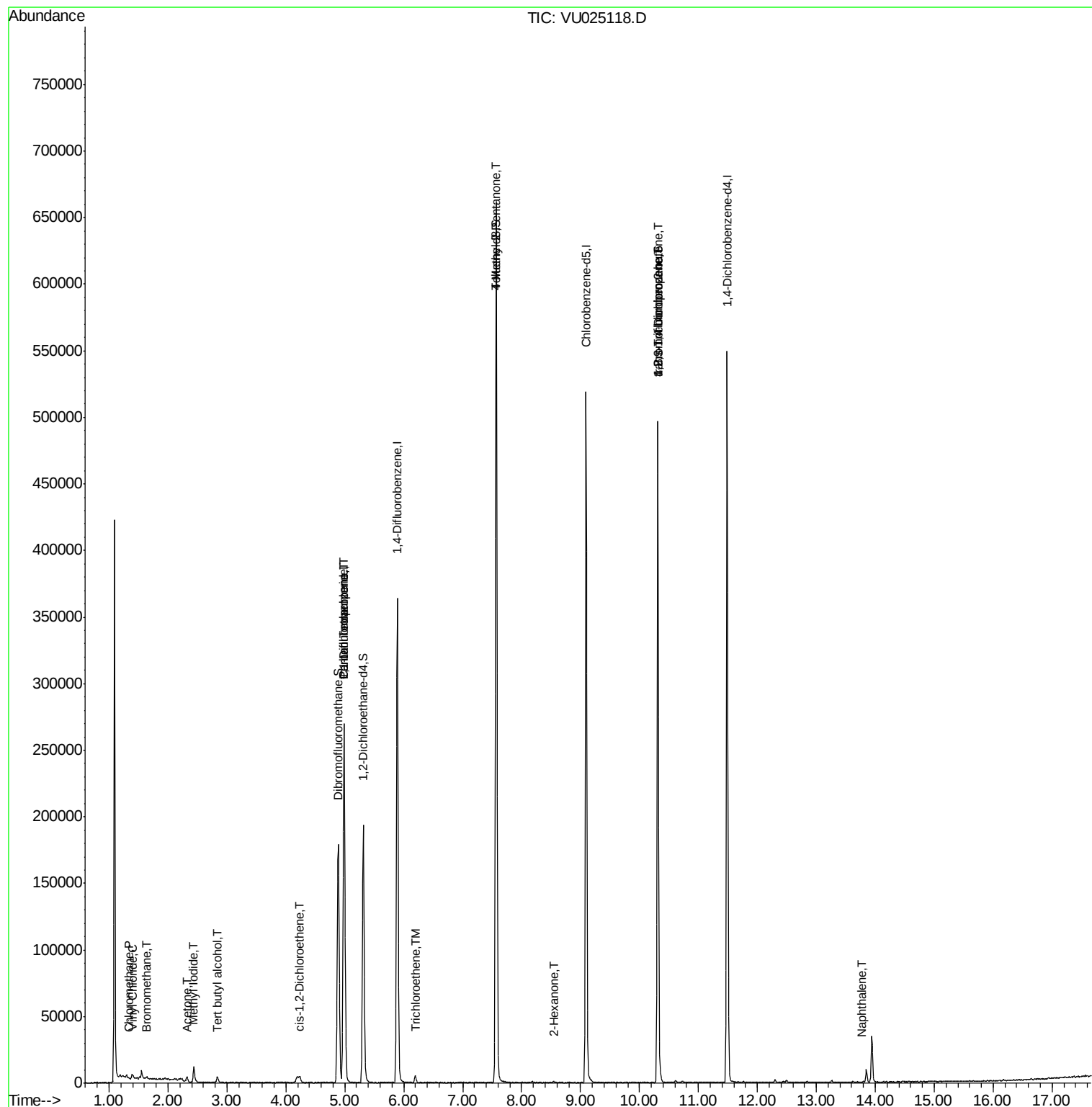
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	723	0.272	ug/l #	80
4) Vinyl Chloride	1.40	62	854	0.311	ug/l #	85
5) Bromomethane	1.64	94	438	0.330	ug/l #	78
6) Chloroethane	1.72	64	67	Below Cal	#	43
10) Methyl Iodide	2.42	142	63	5.314	ug/l #	40
11) Tert butyl alcohol	2.83	59	2892	3.500	ug/l #	74
16) Acetone	2.32	43	4424	2.424	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	2559	0.853	ug/l	88
31) Cyclohexane	4.98	56	4288	Below Cal	#	6
36) 1,1-Dichloropropene	4.99	75	15412	4.237	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19707	4.927	ug/l #	16
44) Trichloroethene	6.20	130	2146	0.728	ug/l	88
51) 4-Methyl-2-Pentanone	7.57	43	1981	0.460	ug/l #	1
59) 2-Hexanone	8.54	43	1340	0.381	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	85572	26.710	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	85572	61.818	ug/l #	100
95) Naphthalene	13.78	128	197	0.697	ug/l #	69

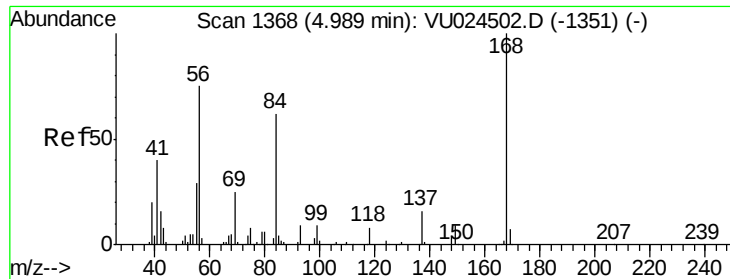
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
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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: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampleId :

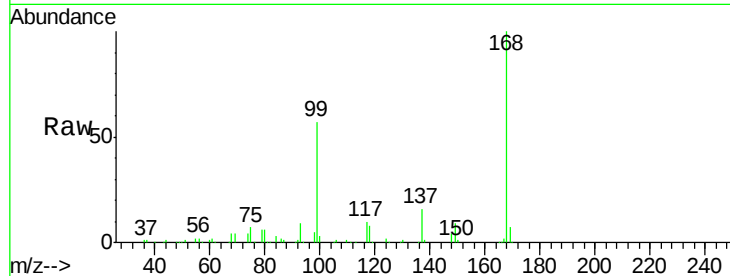
MW-02

Tgt Ion:168 Resp: 208103

Ion Ratio Lower Upper

168 100

99 56.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025118.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025118.D (-1275) (-)

4.99

100000

80000

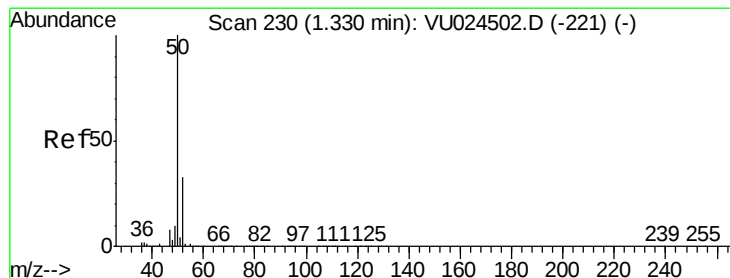
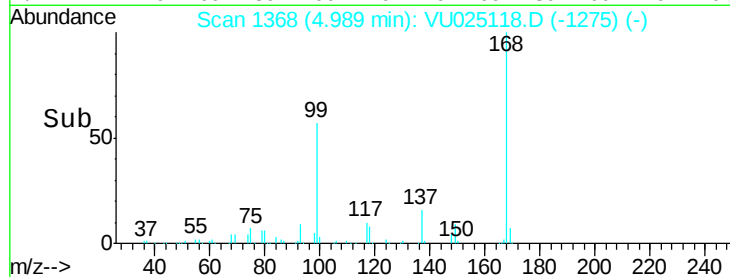
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025118.D

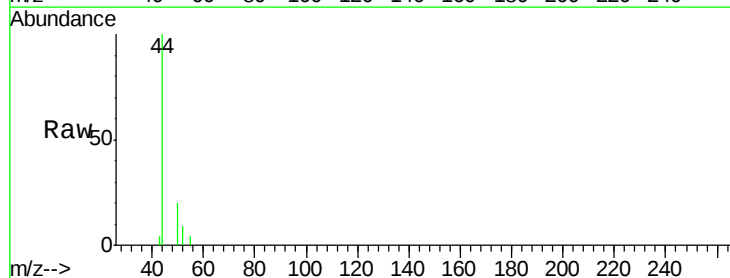
Acq: 01 Jul 2018 04:31

Tgt Ion: 50 Resp: 723

Ion Ratio Lower Upper

50 100

52 44.4 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025118.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025118.D (-137) (-)

1.33

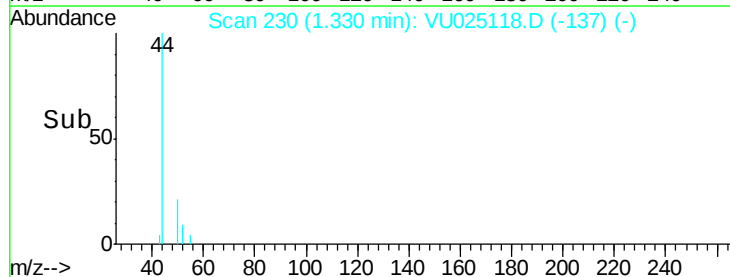
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.311 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampleId :

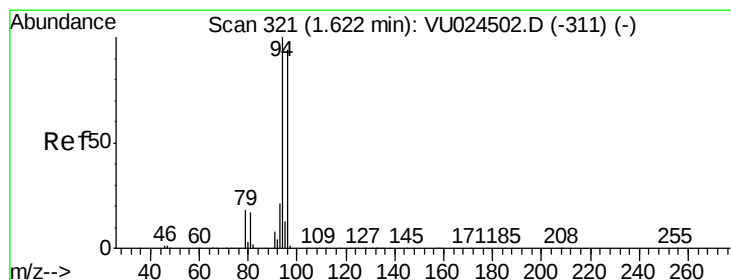
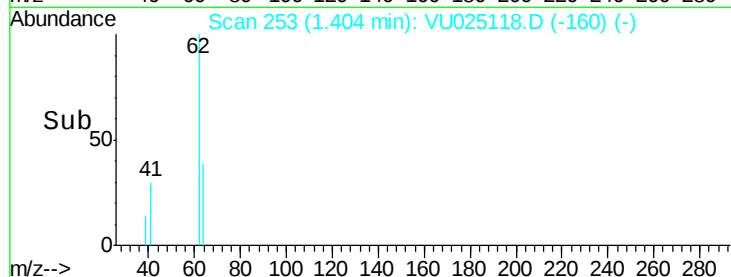
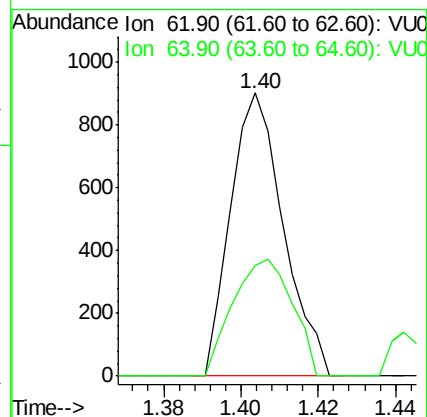
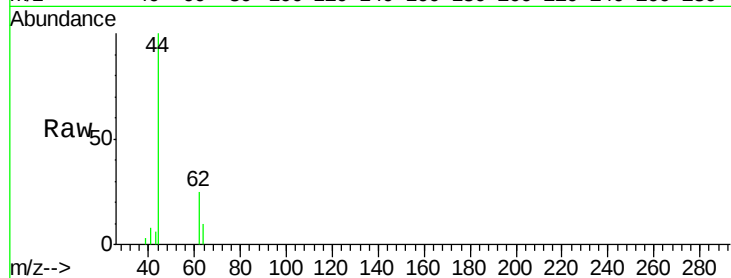
MW-02

Tgt Ion: 62 Resp: 854

Ion Ratio Lower Upper

62 100

64 39.1 24.8 37.2#



#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025118.D

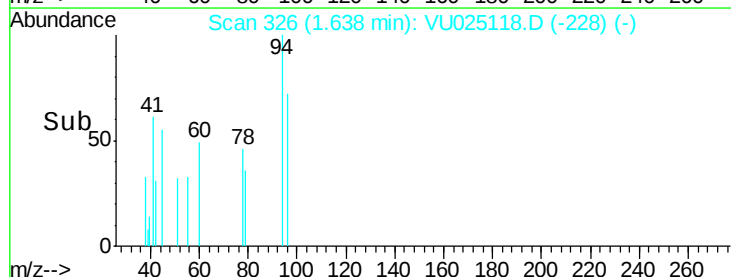
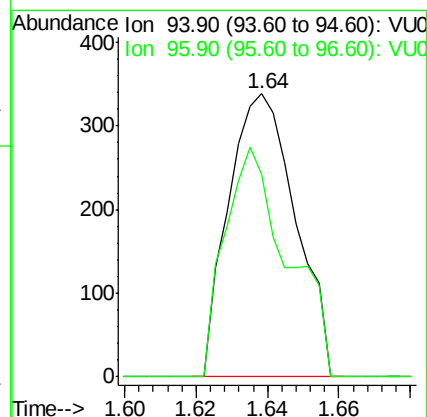
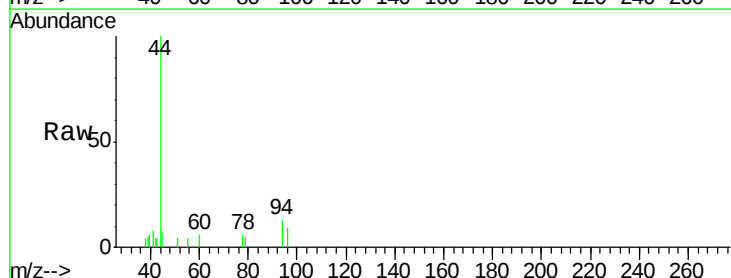
Acq: 01 Jul 2018 04:31

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

94 100

96 71.9 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 352

Delta R.T. 0.03 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampleId :

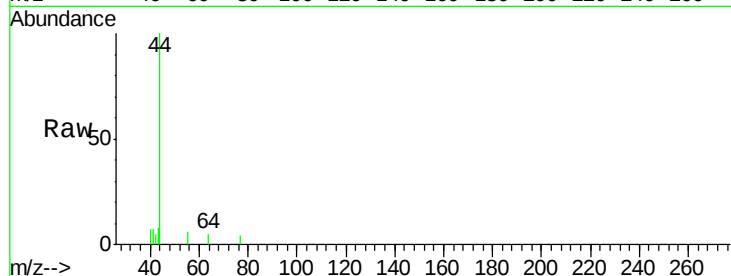
MW-02

Tgt Ion: 64 Resp: 67

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

1.72

150

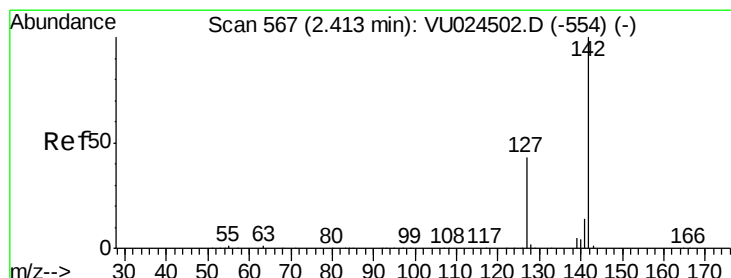
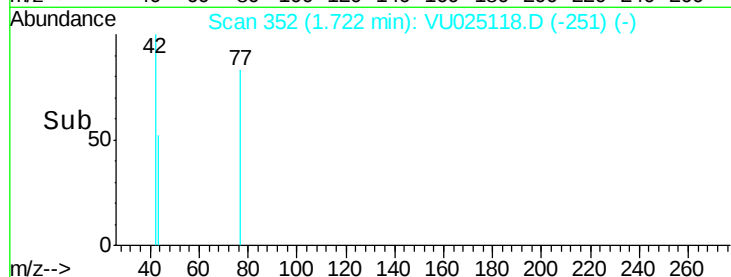
100

50

0

1.71 1.72 1.73

Time-->



#10

Methyl Iodide

Concen: 5.314 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

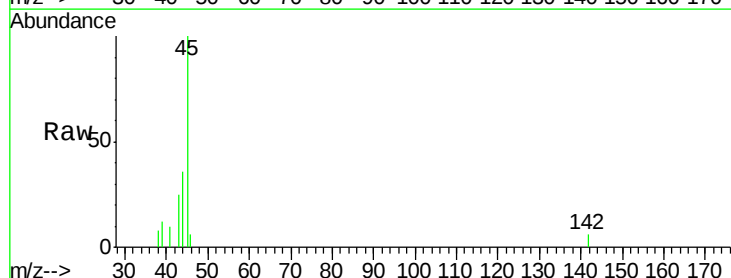
Tgt Ion: 142 Resp: 63

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): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

150

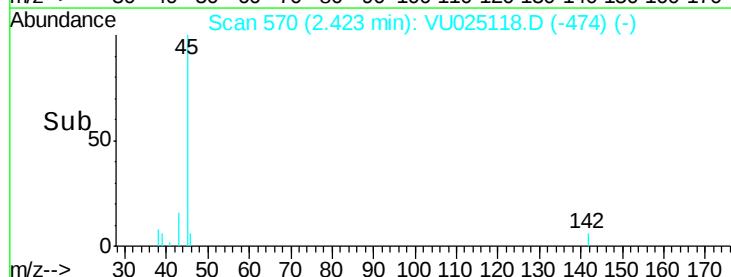
100

50

0

2.41 2.42 2.43

Time-->

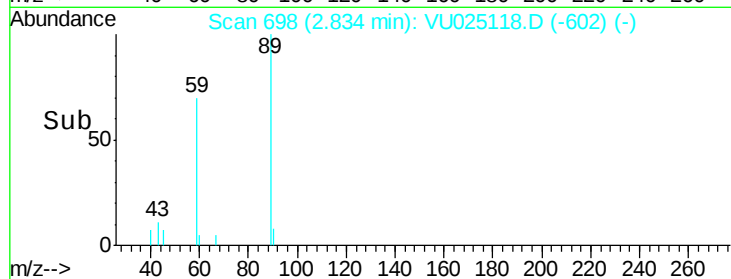
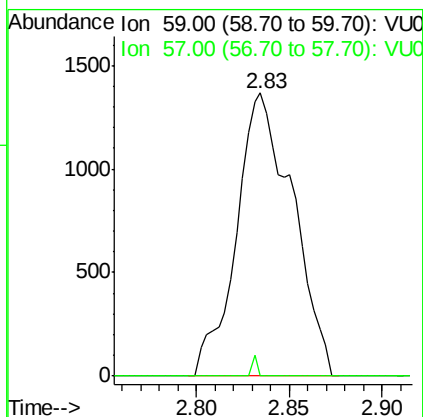
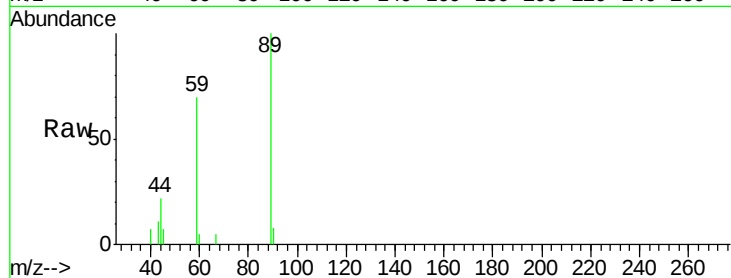




#11
Tert butyl alcohol
Concen: 3.500 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025118.D
Acq: 01 Jul 2018 04:31

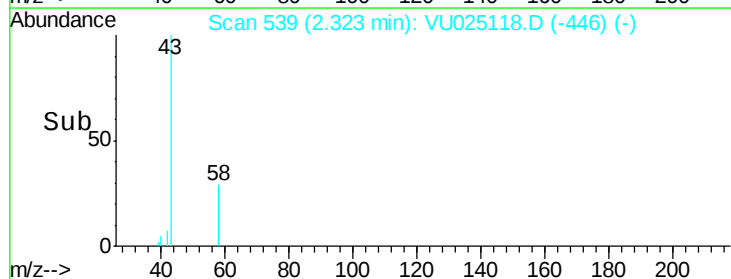
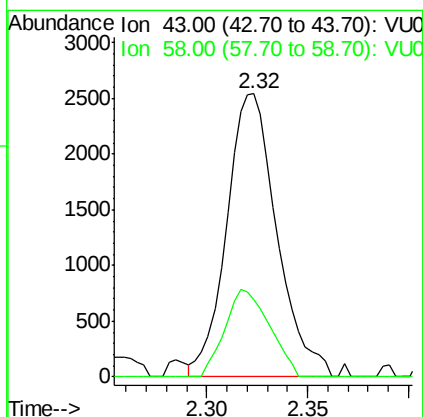
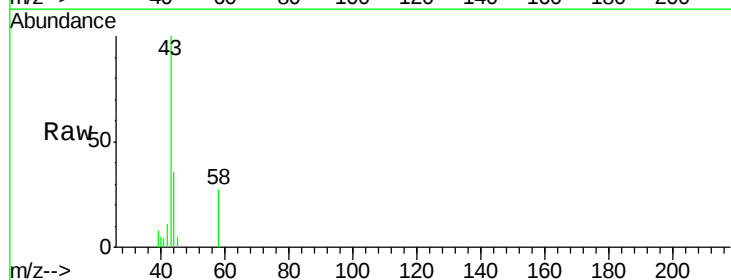
Instrument :
MSVOA_U
ClientSampleId :
MW-02

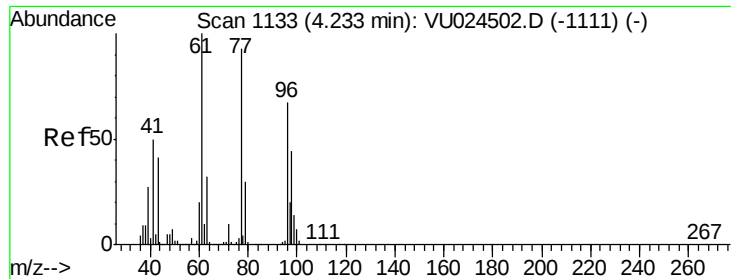
Tgt Ion: 59 Resp: 2892
Ion Ratio Lower Upper
59 100
57 0.7 8.5 12.7#



#16
Acetone
Concen: 2.424 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025118.D
Acq: 01 Jul 2018 04:31

Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
58 27.2 24.4 36.6

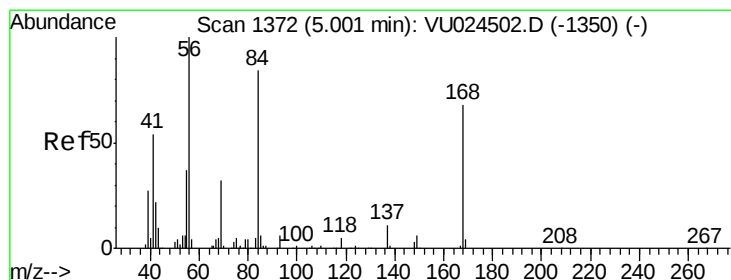
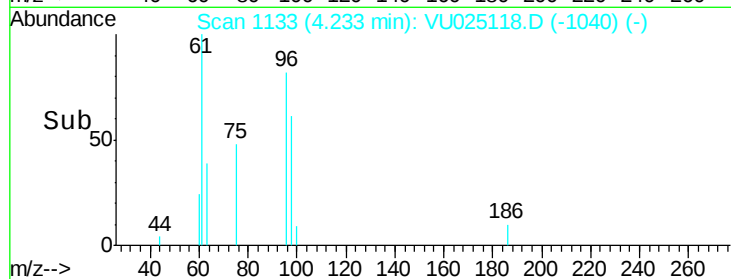
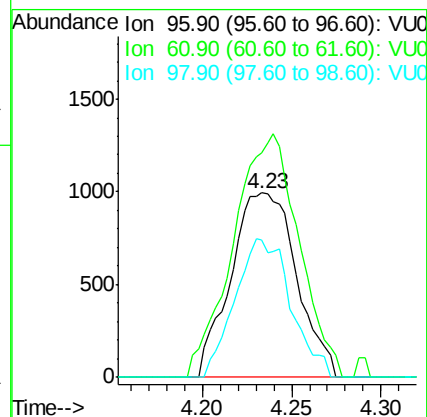
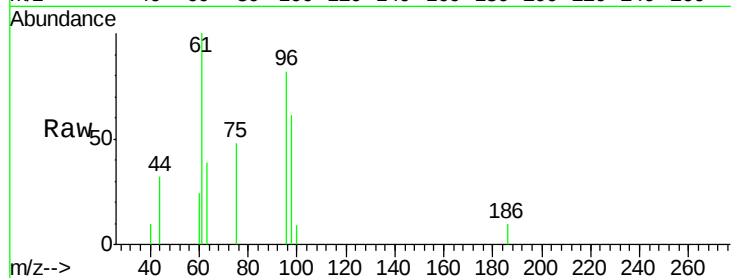




#27
 cis-1,2-Dichloroethene
 Concen: 0.853 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025118.D
 Acq: 01 Jul 2018 04:31

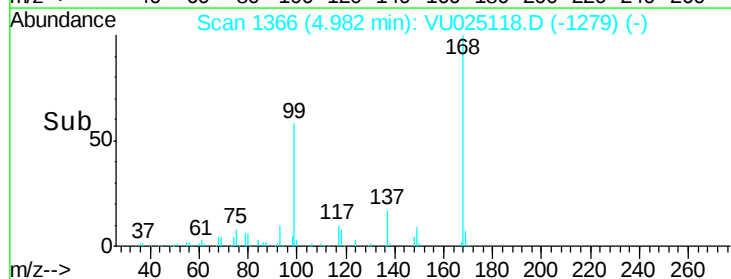
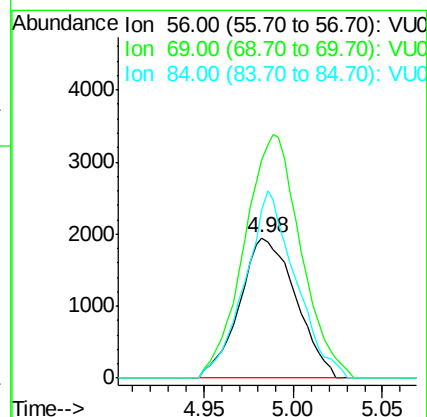
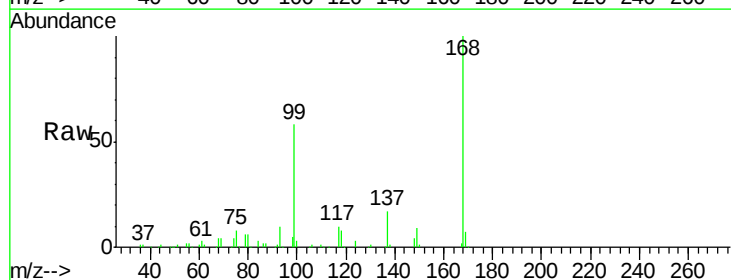
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-02

Tgt Ion: 96 Resp: 2559
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 306.6
 98 63.5 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VU025118.D
 Acq: 01 Jul 2018 04:31

Tgt Ion: 56 Resp: 4288
 Ion Ratio Lower Upper
 56 100
 69 155.3 24.8 37.2#
 84 119.9 65.2 97.8#

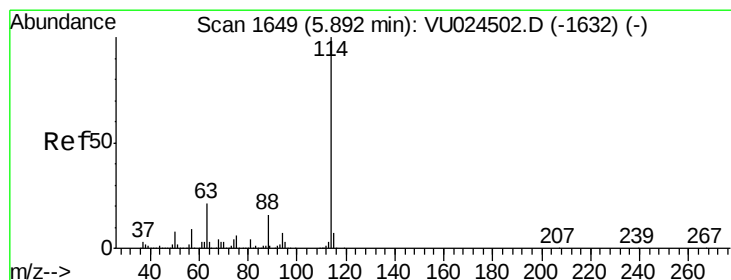
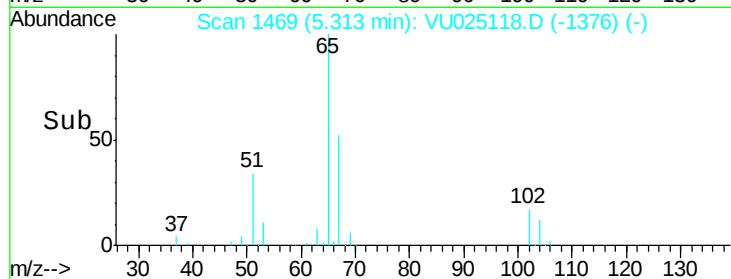
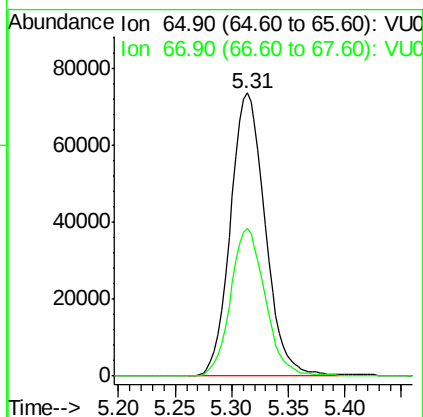
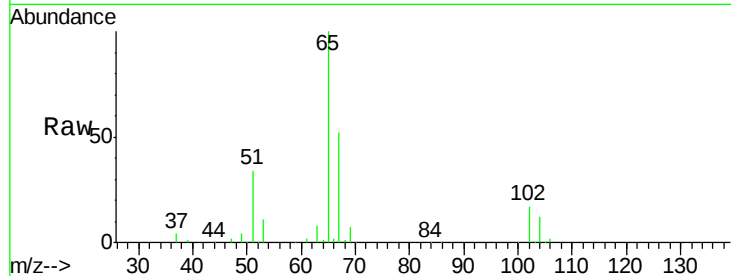




#33
 1,2-Dichloroethane-d4
 Concen: 46.276 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025118.D
 Acq: 01 Jul 2018 04:31

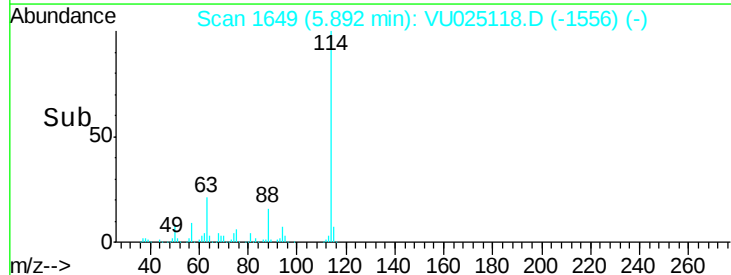
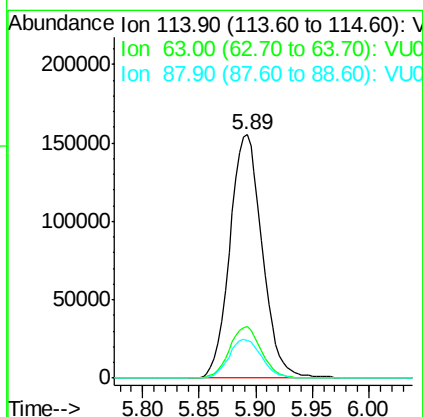
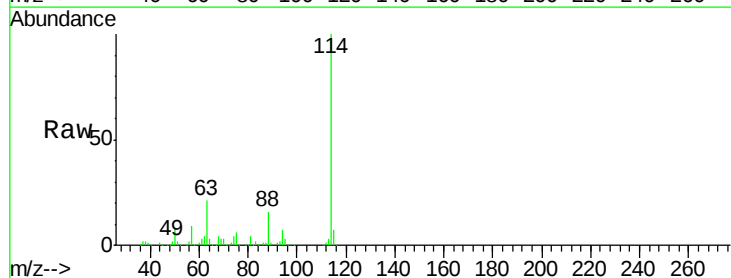
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-02

Tgt Ion: 65 Resp: 157215
 Ion Ratio Lower Upper
 65 100
 67 52.2 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: VU025118.D
 Acq: 01 Jul 2018 04:31

Tgt Ion: 114 Resp: 309549
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 15.6 0.0 31.0

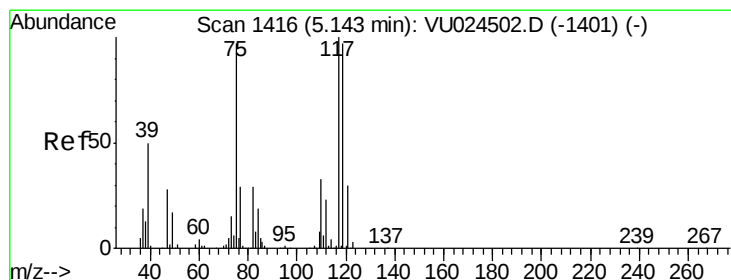
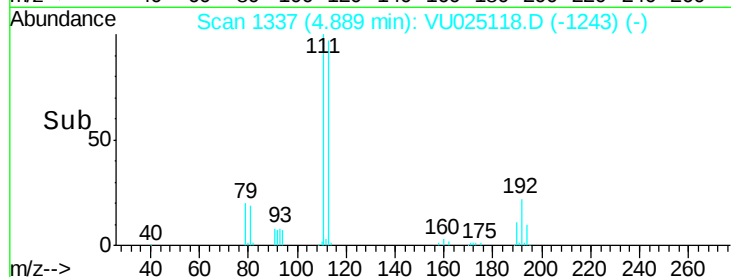
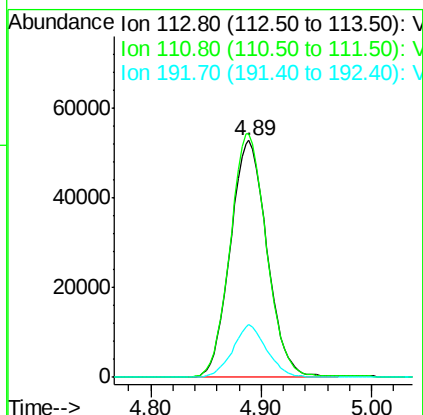
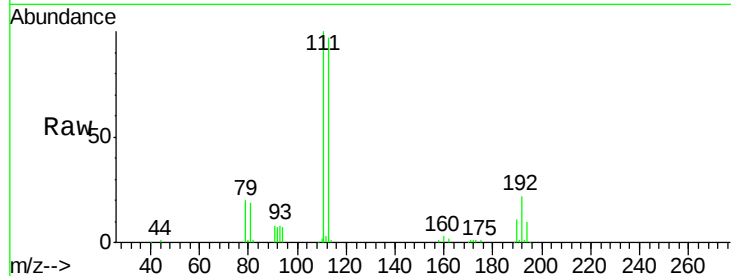




#35
 Dibromofluoromethane
 Concen: 47.333 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025118.D
 Acq: 01 Jul 2018 04:31

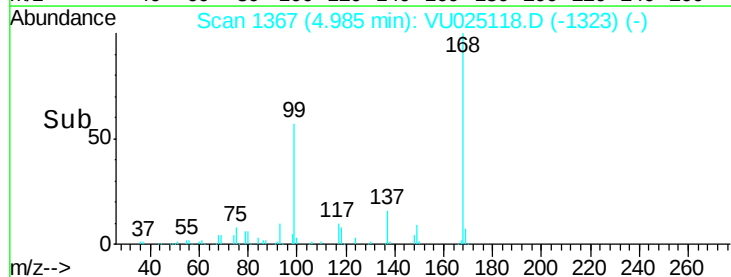
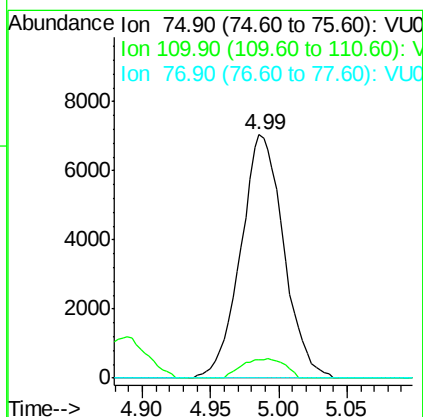
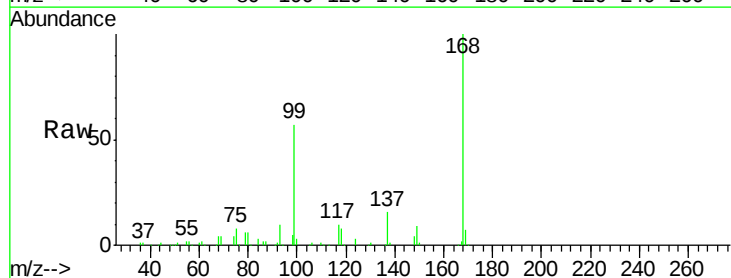
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 ClientSampleId :
 MW-02

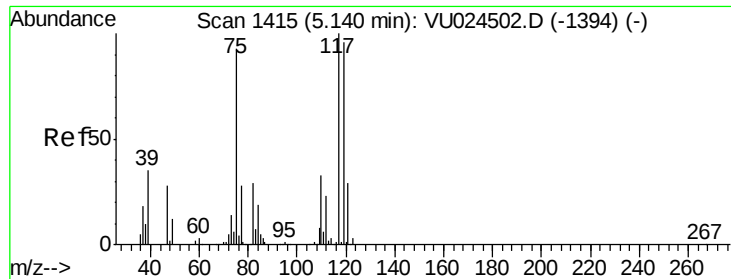
Tgt Ion:113 Resp: 121600
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 20.6 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.237 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025118.D
 Acq: 01 Jul 2018 04:31

Tgt Ion: 75 Resp: 15412
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.927 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampleId :

MW-02

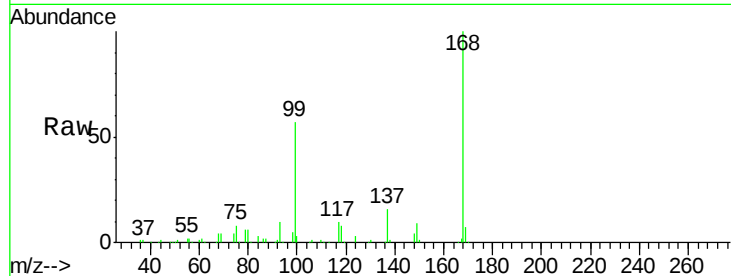
Tgt Ion:117 Resp: 19707

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

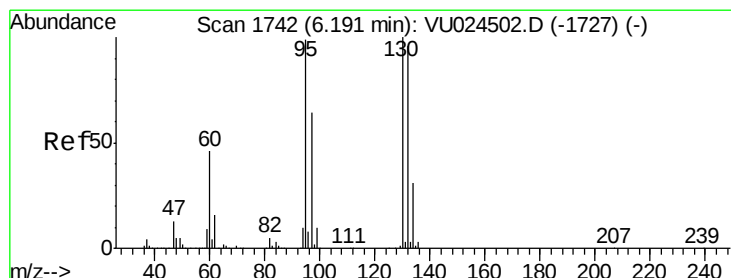
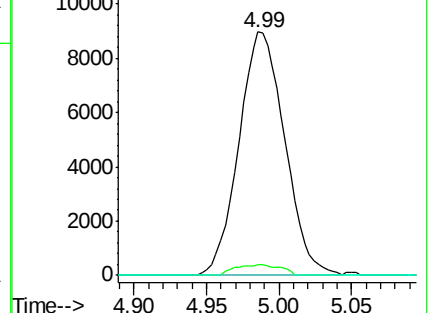
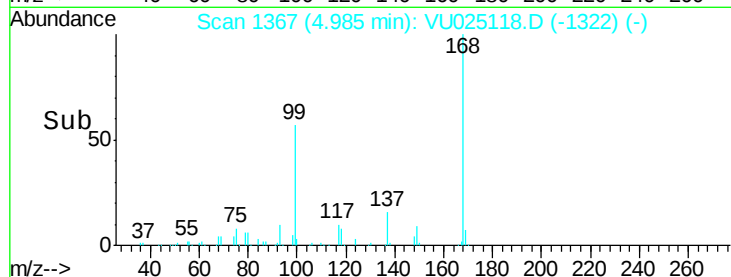
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.728 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU025118.D

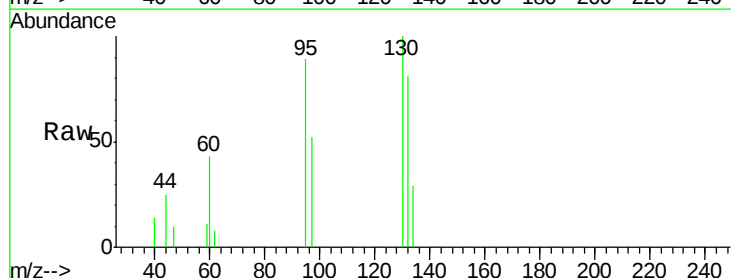
Acq: 01 Jul 2018 04:31

Tgt Ion:130 Resp: 2146

Ion Ratio Lower Upper

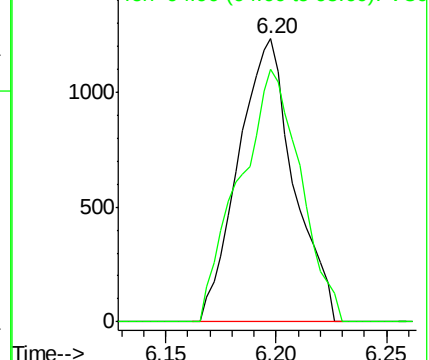
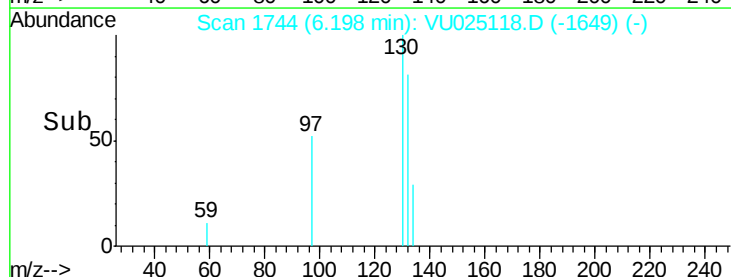
130 100

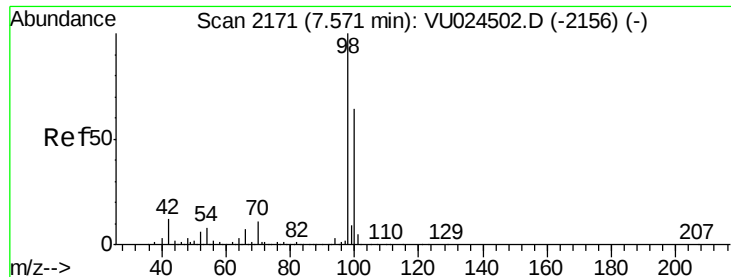
95 89.1 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.261 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampled :

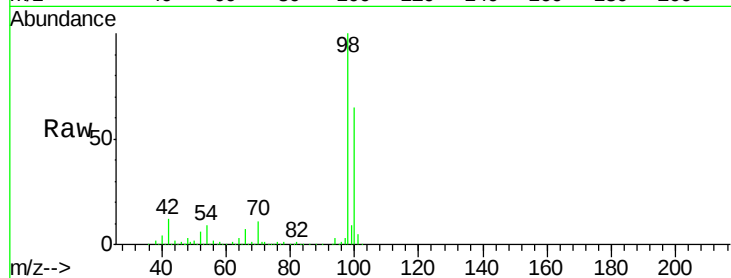
MW-02

Tgt Ion: 98 Resp: 442866

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025118.D (-2078) (-)

Ion 100.00 (99.70 to 100.70): VU025118.D (-2078) (-)

7.57

250000

200000

150000

100000

50000

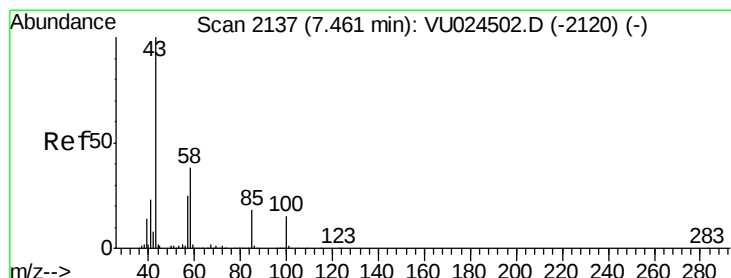
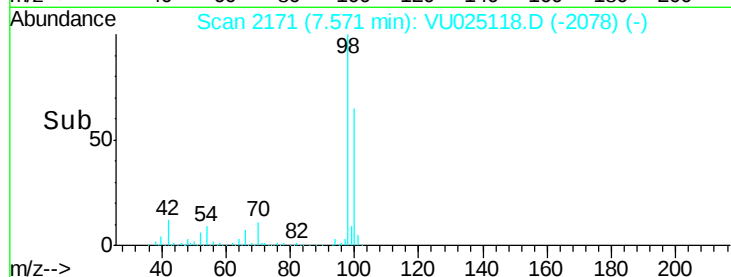
0

Time-->

7.50

7.60

7.70



#51

4-Methyl-2-Pentanone

Concen: 0.460 ug/l

RT: 7.57 min Scan# 2172

Delta R.T. 0.11 min

Lab File: VU025118.D

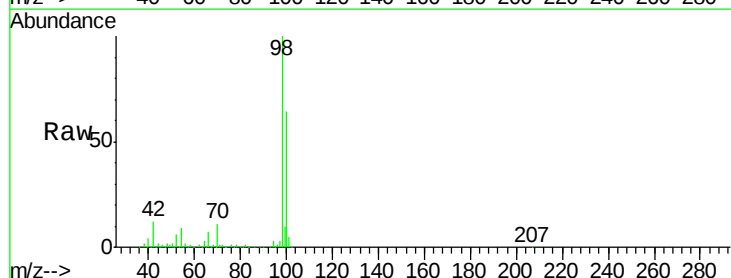
Acq: 01 Jul 2018 04:31

Tgt Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

58 178.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU025118.D (-2044) (-)

Ion 58.00 (57.70 to 58.70): VU025118.D (-2044) (-)

2500

2000

1500

1000

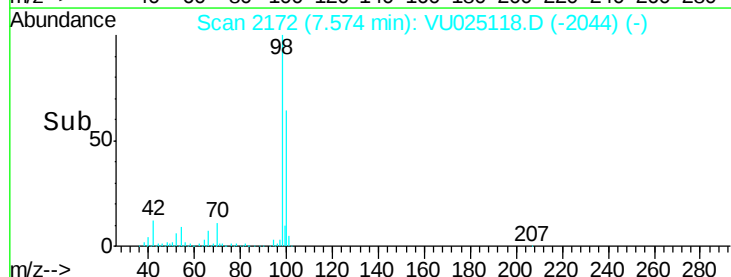
500

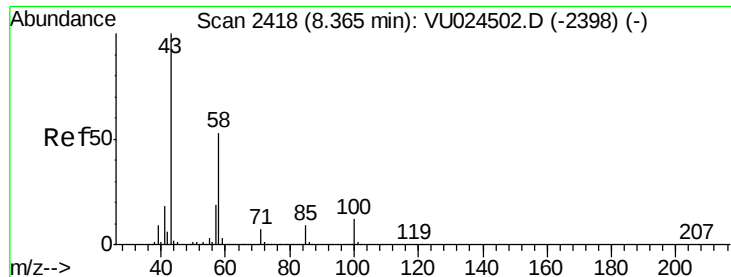
0

Time-->

7.55

7.60

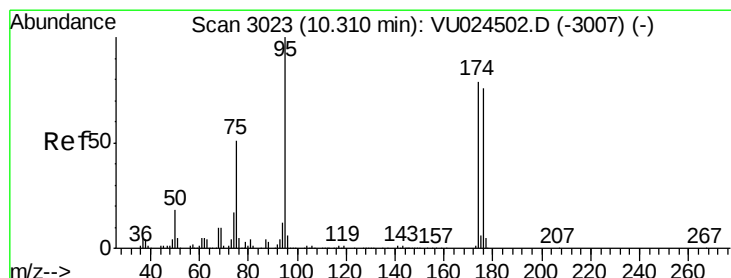
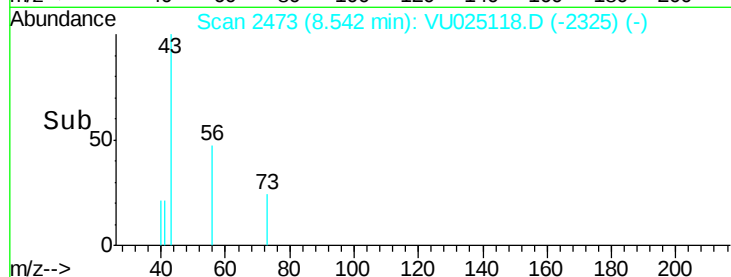
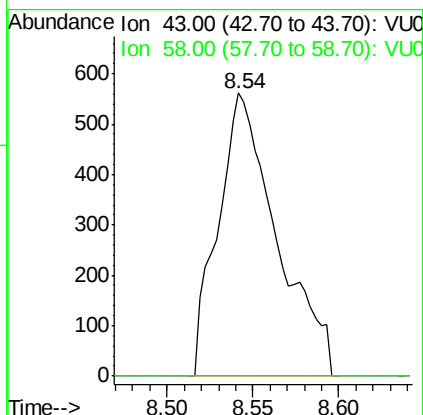
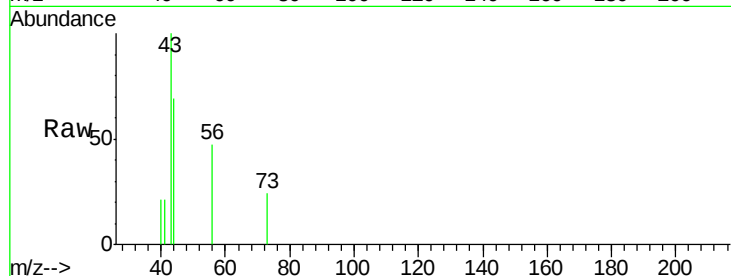




#59
2-Hexanone
Concen: 0.381 ug/l
RT: 8.54 min Scan# 2473
Delta R.T. 0.18 min
Lab File: VU025118.D
Acq: 01 Jul 2018 04:31

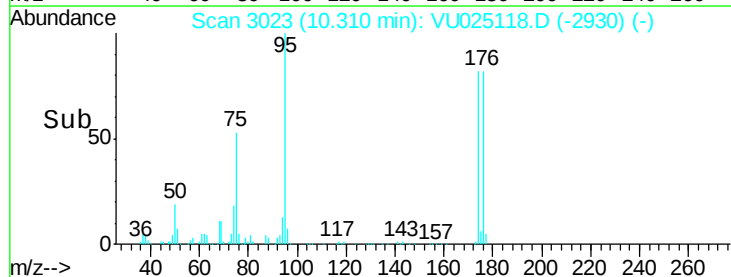
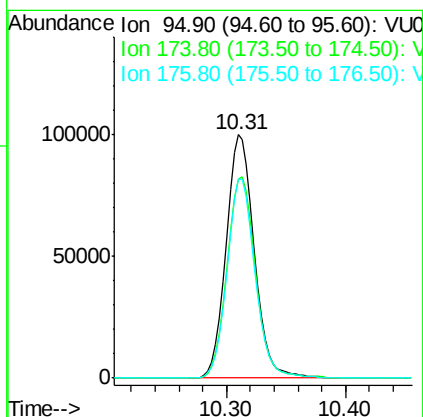
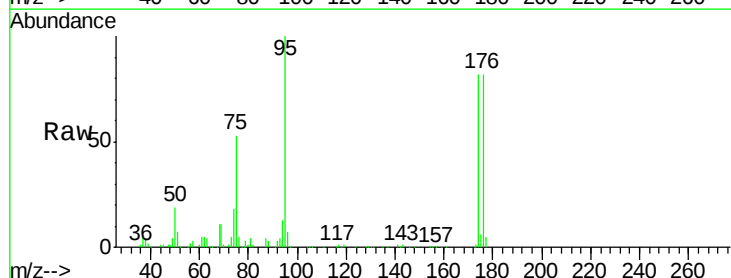
Instrument :
MSVOA_U
ClientSampleId :
MW-02

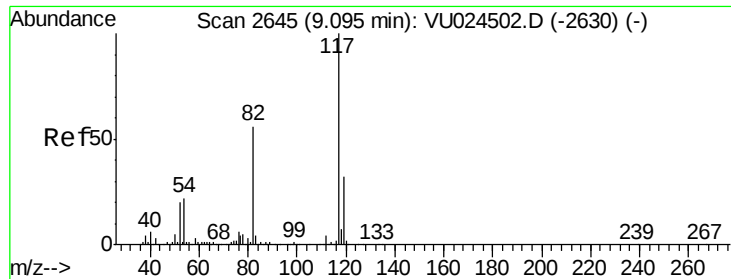
Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 43.932 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025118.D
Acq: 01 Jul 2018 04:31

Tgt Ion: 95 Resp: 163452
Ion Ratio Lower Upper
95 100
174 84.3 0.0 165.8
176 81.9 0.0 159.4

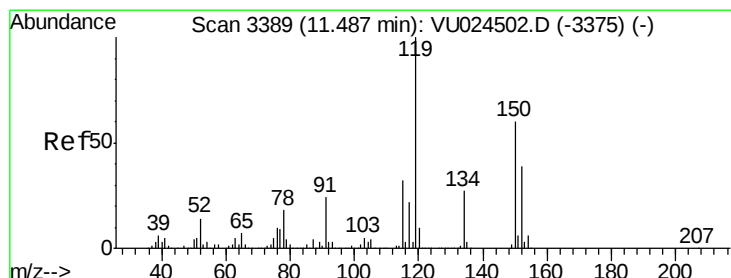
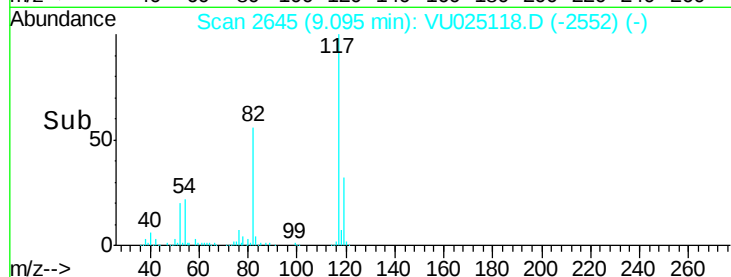
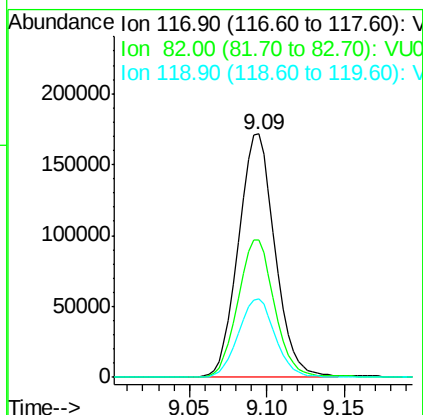
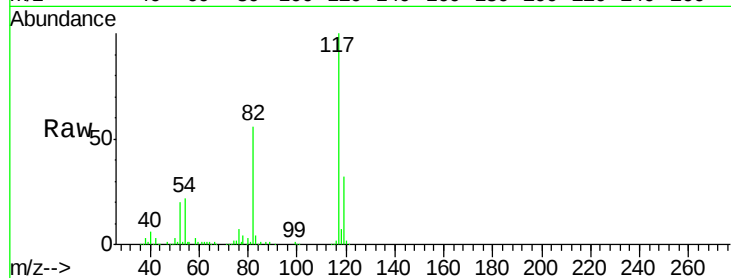




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025118.D
Acq: 01 Jul 2018 04:31

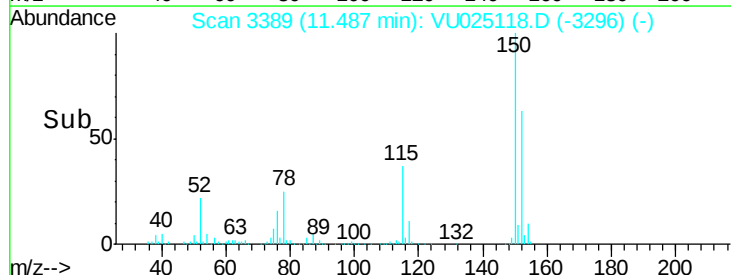
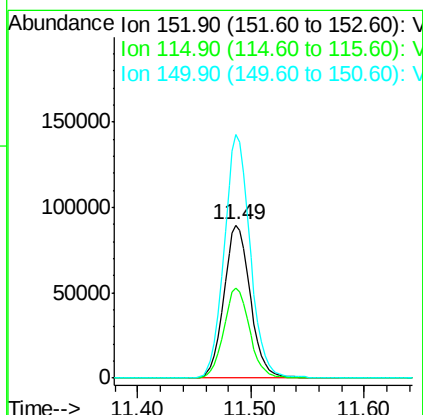
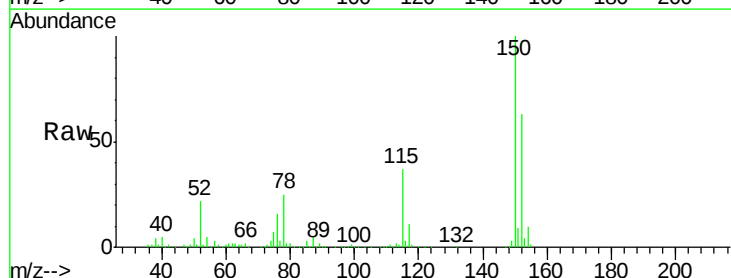
Instrument :
MSVOA_U
ClientSampleId :
MW-02

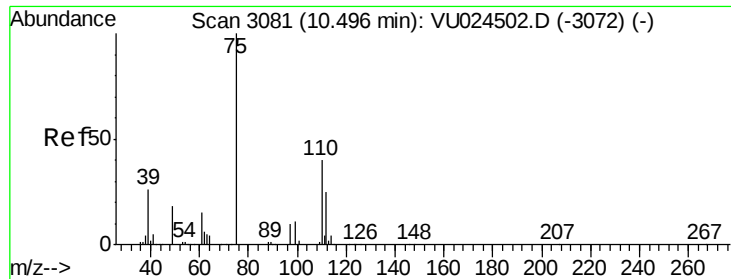
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.3	66.5
119	32.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025118.D
Acq: 01 Jul 2018 04:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	155.9	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 26.710 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampleId :

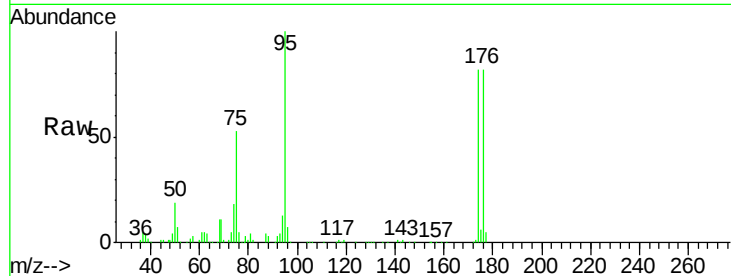
MW-02

Tgt Ion: 75 Resp: 85572

Ion Ratio Lower Upper

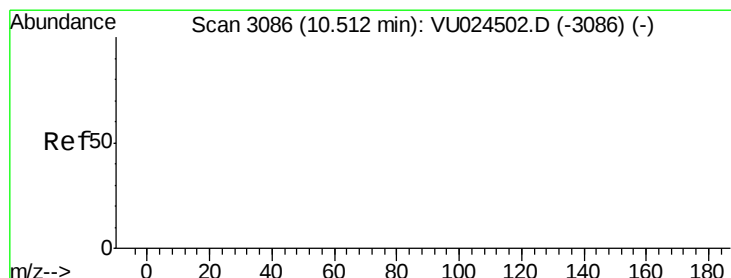
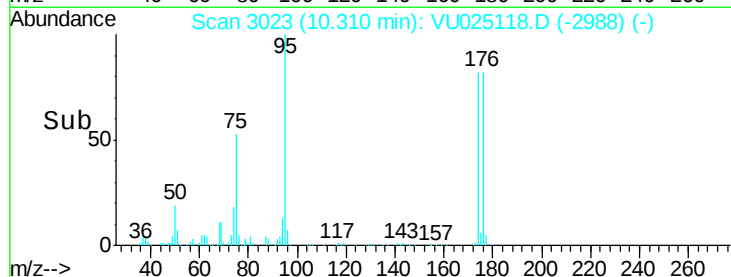
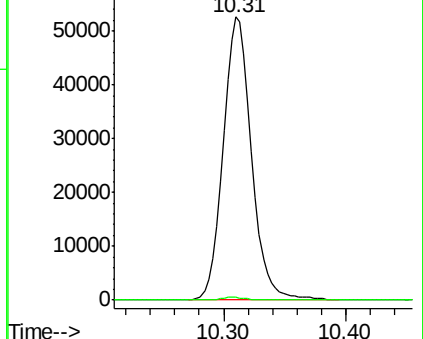
75 100

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: 61.818 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

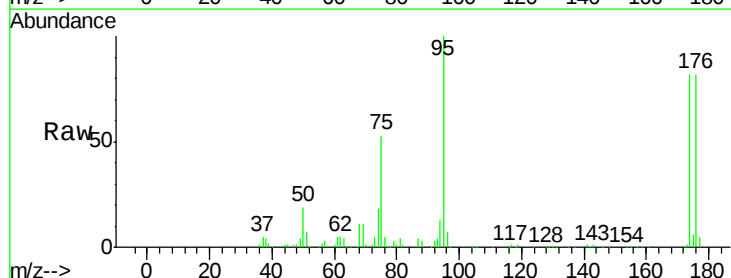
Tgt Ion: 75 Resp: 85572

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

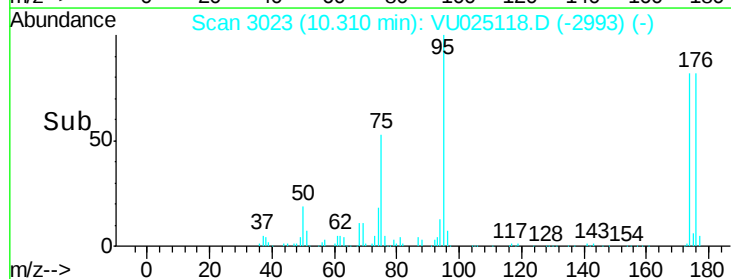
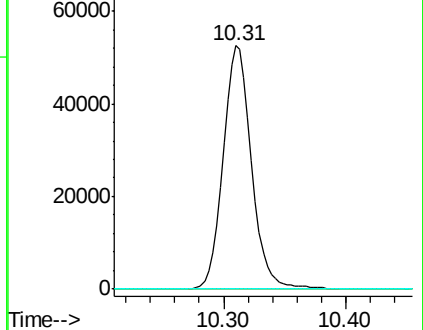
89 0.0 0.0 0.0

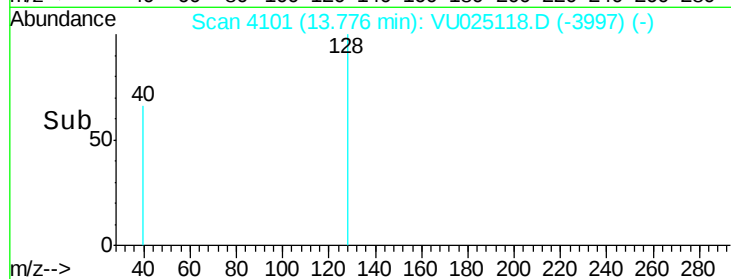
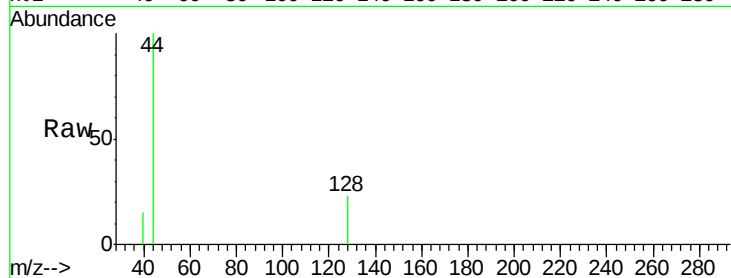
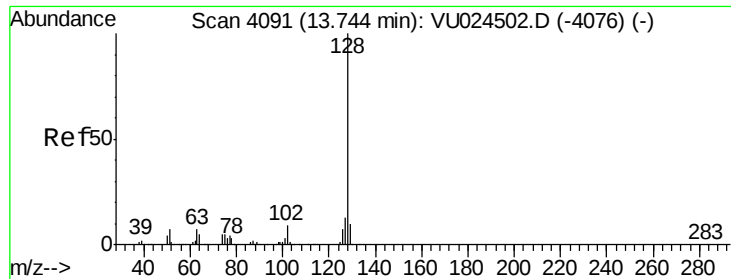


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.697 ug/l

RT: 13.78 min Scan# 4101

Delta R.T. 0.03 min

Lab File: VU025118.D

Acq: 01 Jul 2018 04:31

Instrument :

MSVOA_U

ClientSampleId :

MW-02

Tgt Ion:128 Resp: 197

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

