

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024716.D
 Acq On : 19 Jun 2018 02:19
 Operator : MD/SY
 Sample : J3535-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW003-180613

Quant Time: Jun 19 05:20:04 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

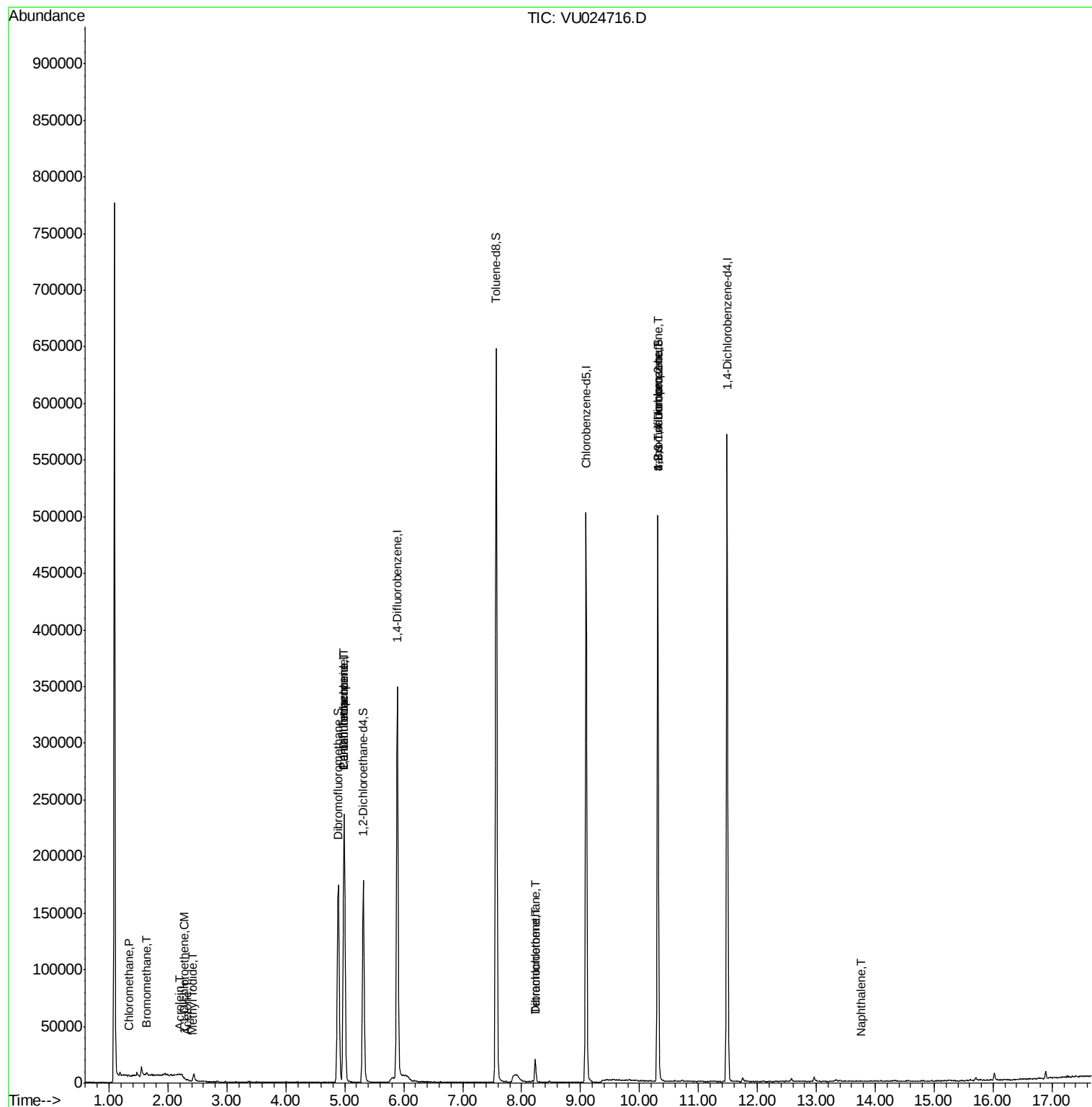
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301805	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133182	42.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.96%	
35) Dibromofluoromethane	4.89	113	117061	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.48%	
50) Toluene-d8	7.57	98	439647	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	10.31	95	157057	43.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	646	0.266	ug/l	98
5) Bromomethane	1.64	94	590	0.488	ug/l	91
6) Chloroethane	1.75	64	62	Below Cal	#	43
10) Methyl Iodide	2.41	142	19	5.297	ug/l #	40
12) 1,1-Dichloroethene	2.29	96	434	0.201	ug/l #	71
13) Acrolein	2.20	56	421	1.064	ug/l #	13
16) Acetone	2.32	43	835	0.502	ug/l #	57
31) Cyclohexane	4.99	56	4017	Below Cal	#	3
36) 1,1-Dichloropropene	4.99	75	13474	3.799	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17601	4.513	ug/l #	17
60) Dibromochloromethane	8.23	129	4427	1.343	ug/l #	11
64) Tetrachloroethene	8.23	164	4721	1.777	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	77556	23.810	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	77556	55.106	ug/l #	100
95) Naphthalene	13.76	128	316	0.708	ug/l #	69

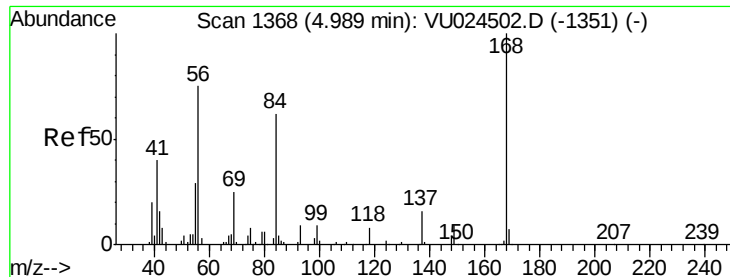
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

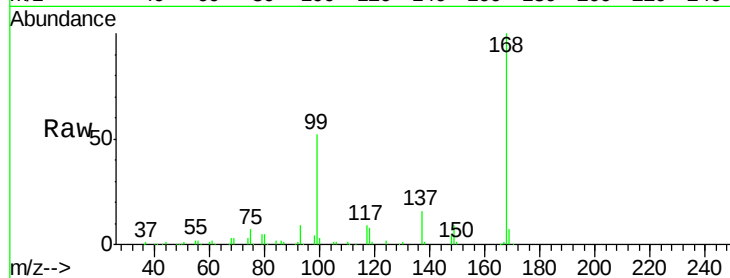
SS036MW003-180613

Tgt Ion:168 Resp: 189790

Ion Ratio Lower Upper

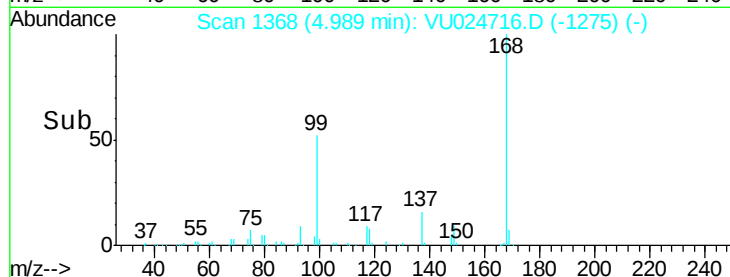
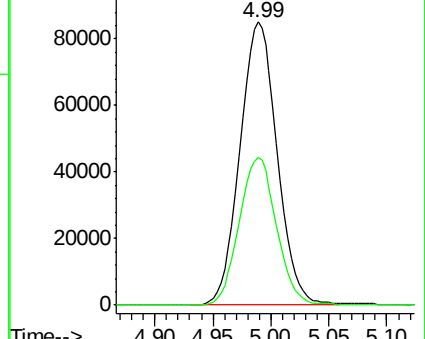
168 100

99 52.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.266 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024716.D

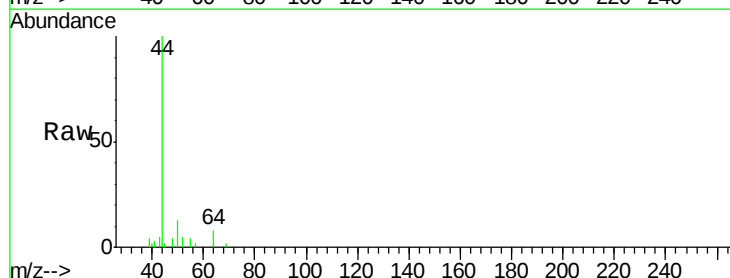
Acq: 19 Jun 2018 02:19

Tgt Ion: 50 Resp: 646

Ion Ratio Lower Upper

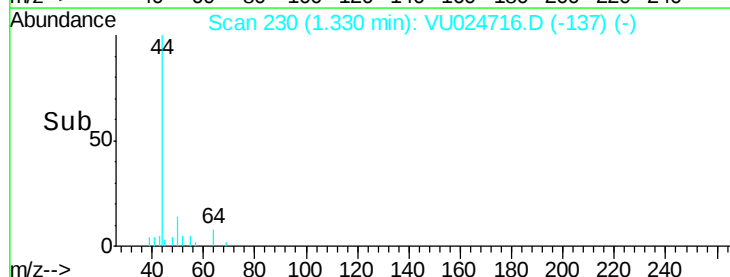
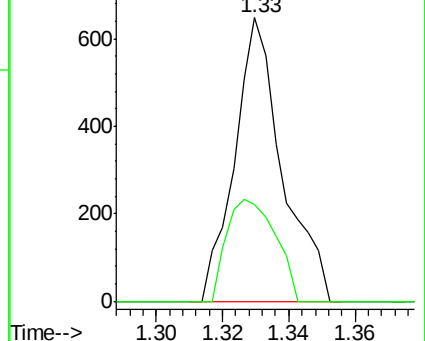
50 100

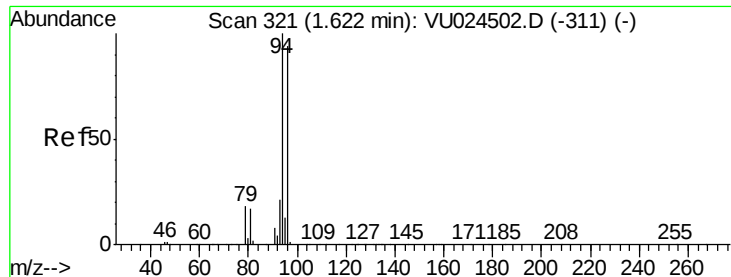
52 34.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.488 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

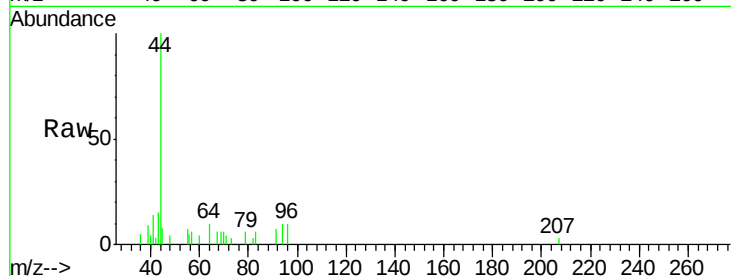
SS036MW003-180613

Tgt Ion: 94 Resp: 590

Ion Ratio Lower Upper

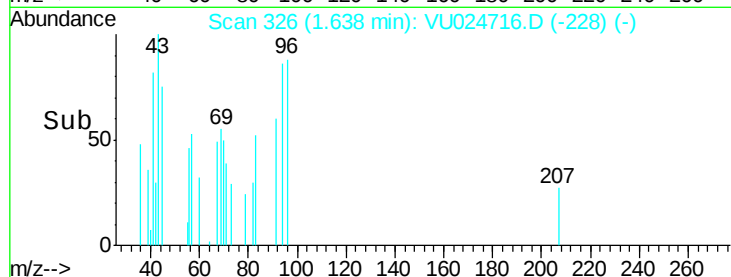
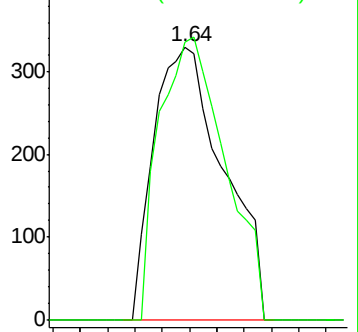
94 100

96 101.8 74.5 111.7

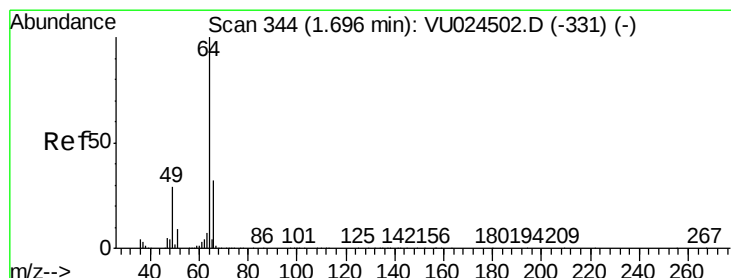


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 360

Delta R.T. 0.05 min

Lab File: VU024716.D

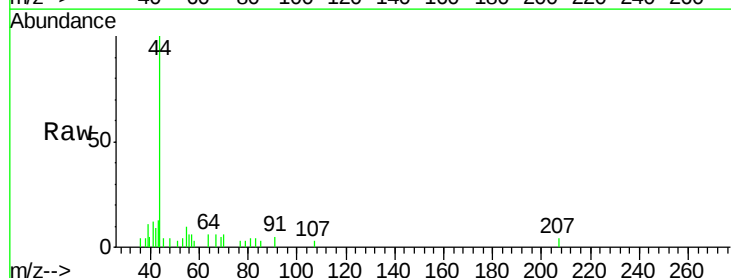
Acq: 19 Jun 2018 02:19

Tgt Ion: 64 Resp: 62

Ion Ratio Lower Upper

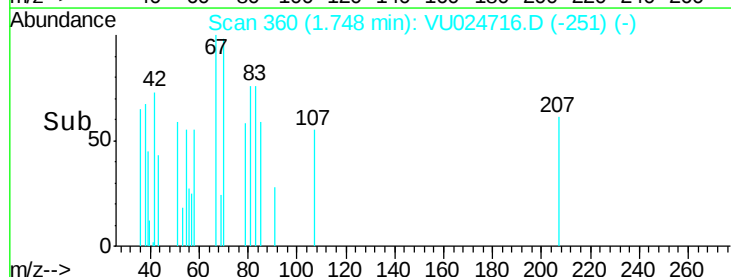
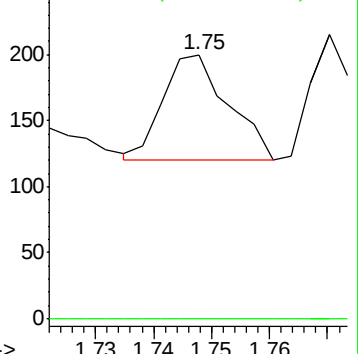
64 100

66 0.0 25.5 38.3#

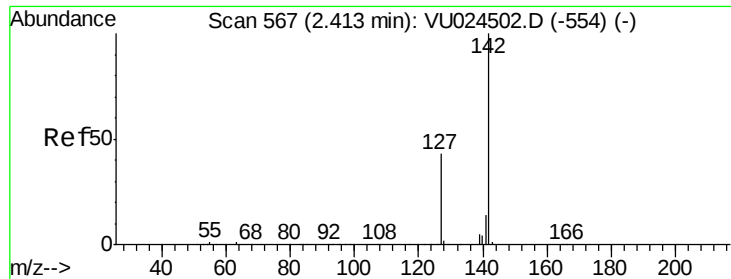


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



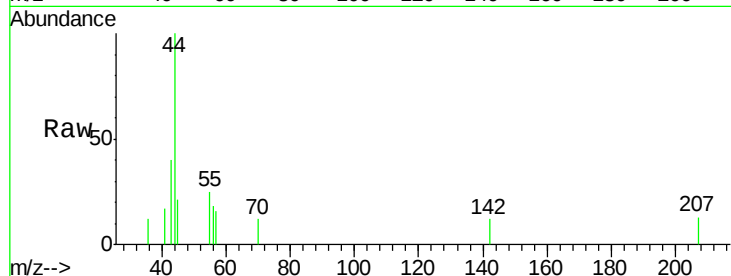
Time-->



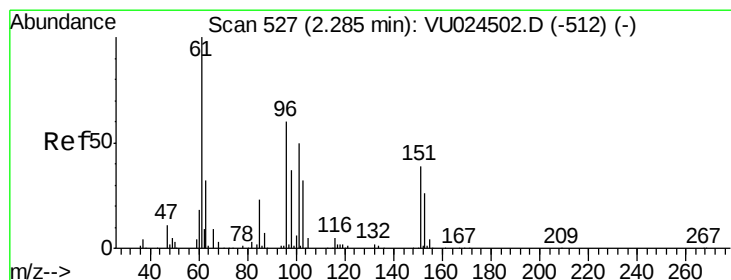
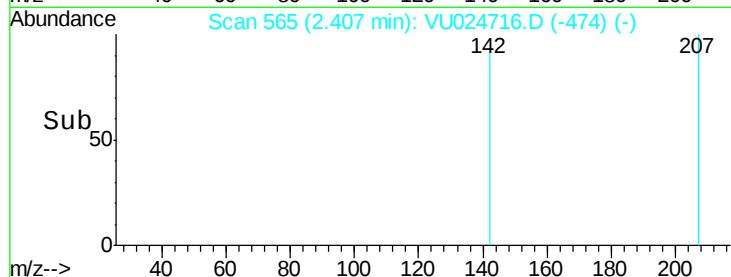
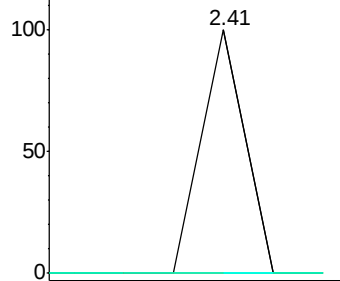
#10
Methyl Iodide
Concen: 5.297 ug/l
RT: 2.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: VU024716.D
Acq: 19 Jun 2018 02:19

Instrument :
MSVOA_U
ClientSampleId :
SS036MW003-180613

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#

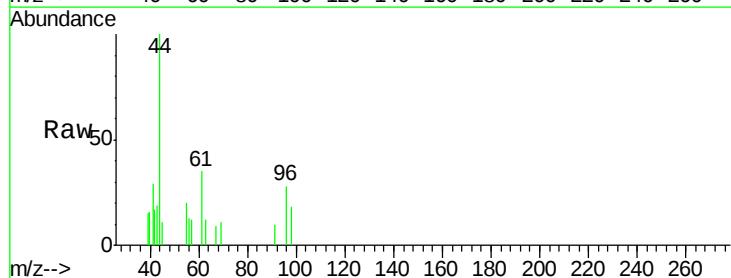


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

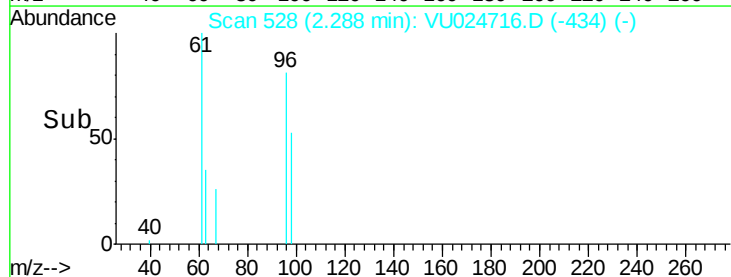
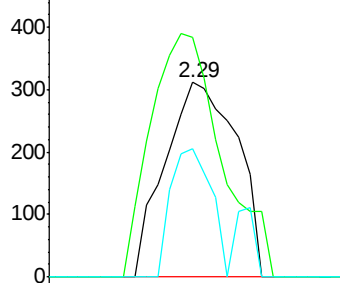


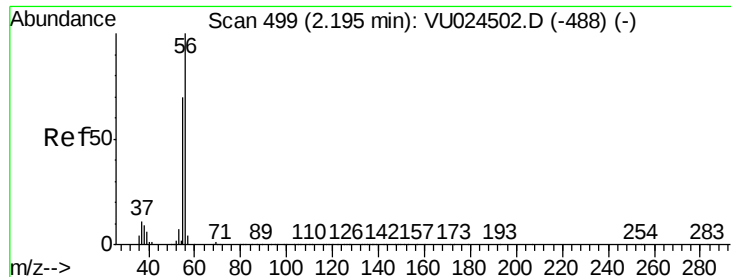
#12
1,1-Dichloroethene
Concen: 0.201 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024716.D
Acq: 19 Jun 2018 02:19

Tgt Ion: 96 Resp: 434
Ion Ratio Lower Upper
96 100
61 123.1 141.7 212.5#
98 65.7 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 1.064 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

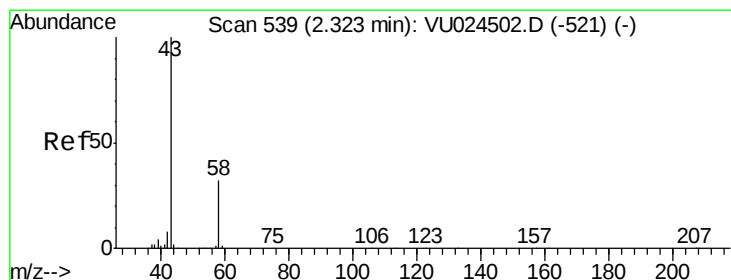
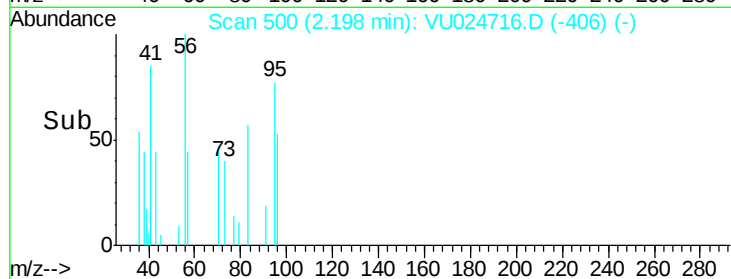
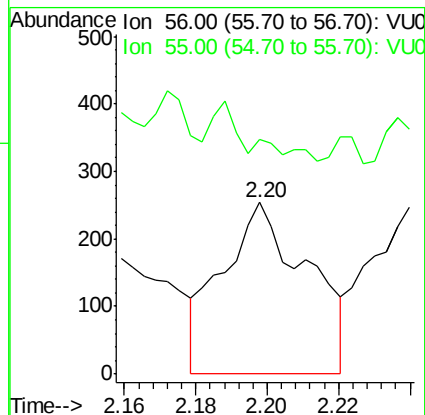
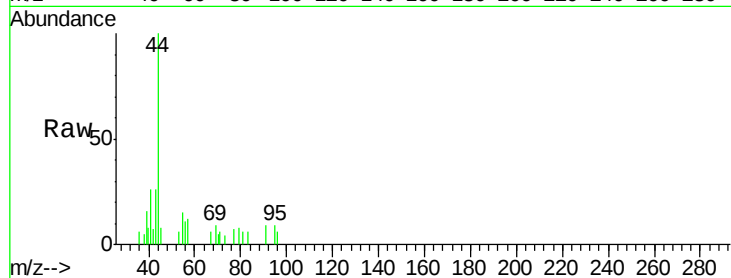
SS036MW003-180613

Tgt Ion: 56 Resp: 421

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 0.502 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024716.D

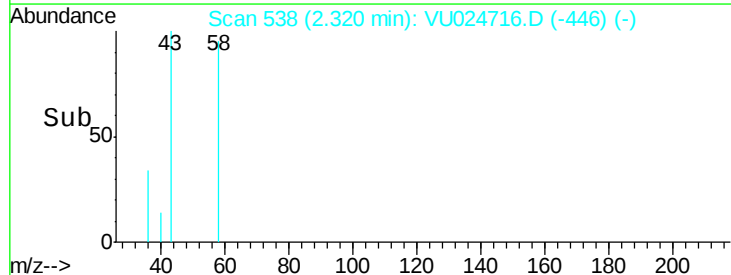
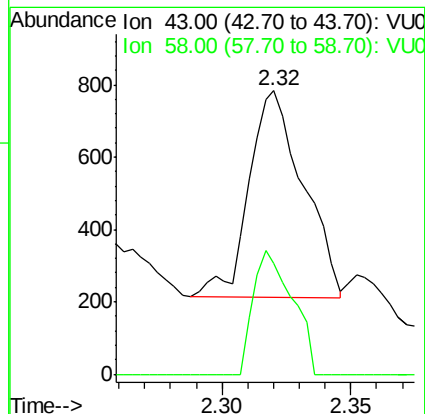
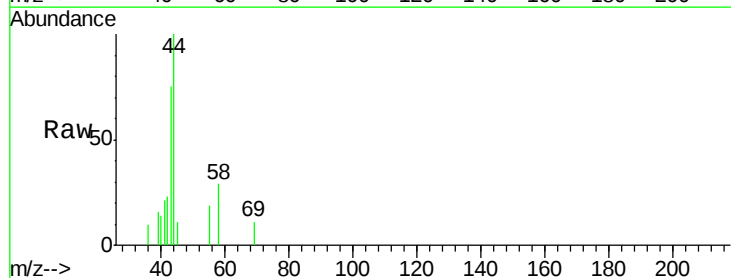
Acq: 19 Jun 2018 02:19

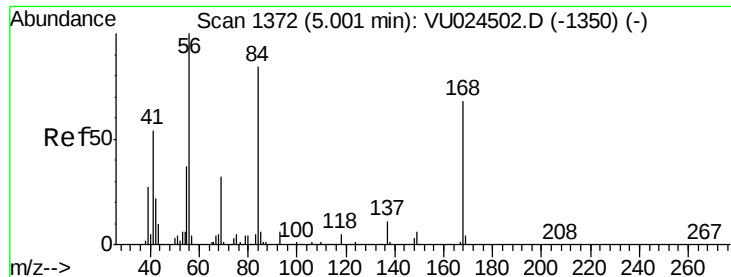
Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

58 53.9 24.4 36.6#

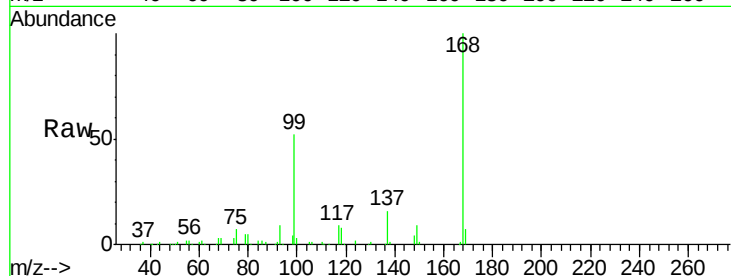




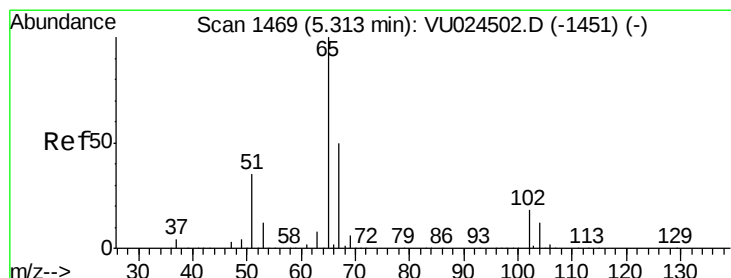
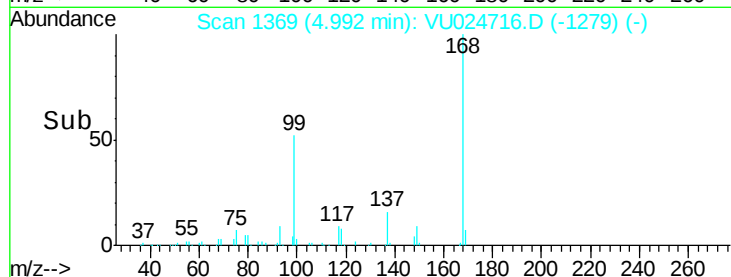
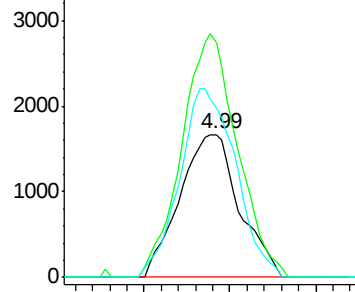
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024716.D
Acq: 19 Jun 2018 02:19

Instrument :
MSVOA_U
ClientSampleId :
SS036MW003-180613

Tgt Ion: 56 Resp: 4017
Ion Ratio Lower Upper
56 100
69 164.6 24.8 37.2#
84 118.3 65.2 97.8#

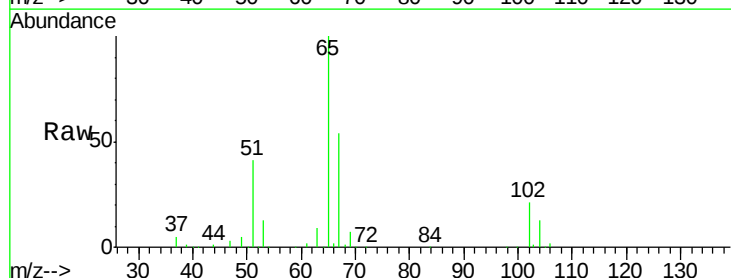


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

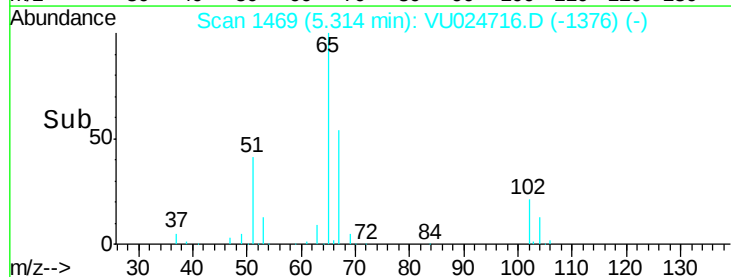
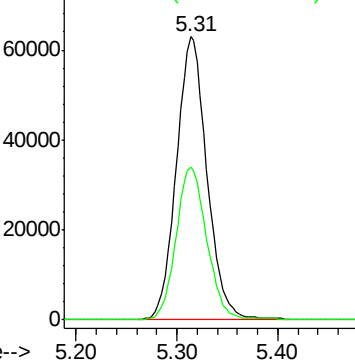


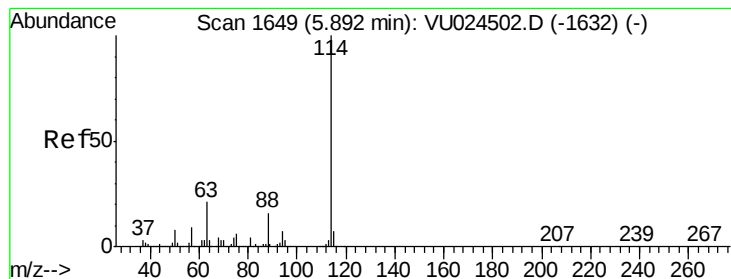
#33
1,2-Dichloroethane-d4
Concen: 42.985 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024716.D
Acq: 19 Jun 2018 02:19

Tgt Ion: 65 Resp: 133182
Ion Ratio Lower Upper
65 100
67 53.9 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: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

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ClientSampleId :

SS036MW003-180613

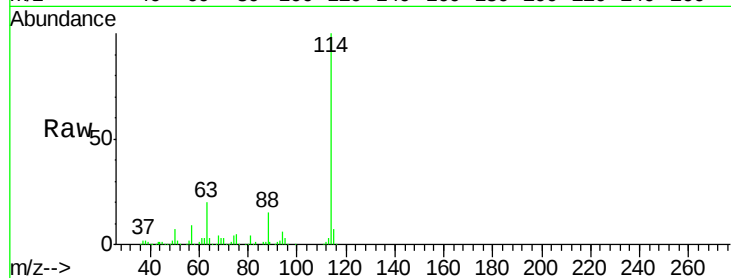
Tgt Ion:114 Resp: 301805

Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.4

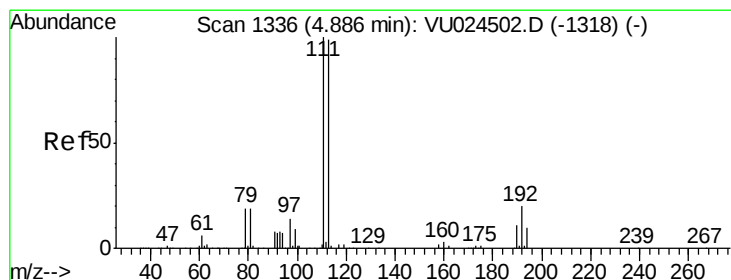
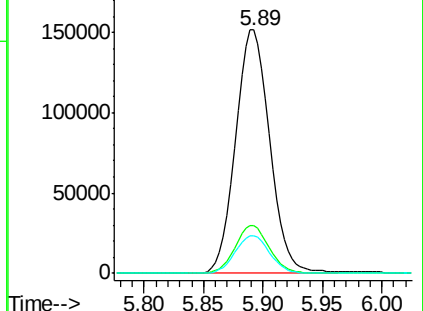
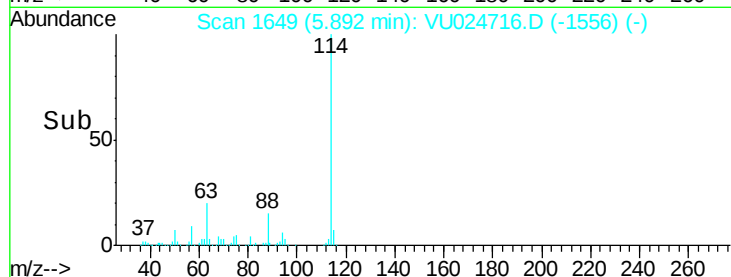
88 15.4 0.0 31.0



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: 46.736 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

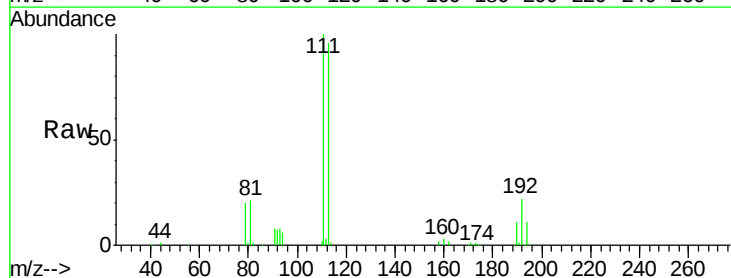
Tgt Ion:113 Resp: 117061

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

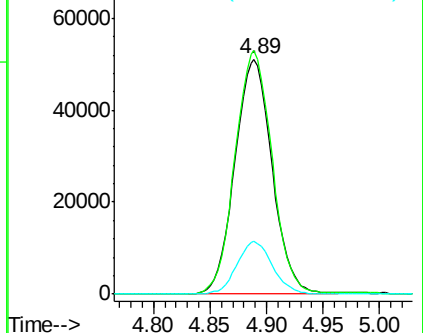
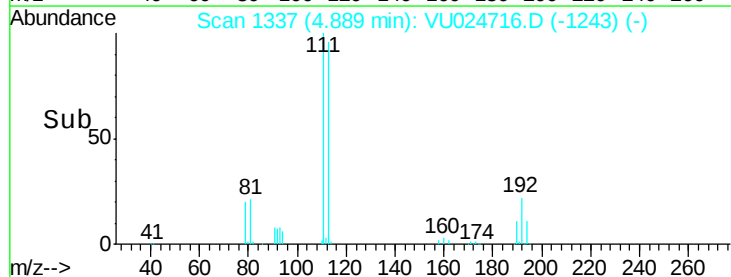
192 21.4 16.2 24.4

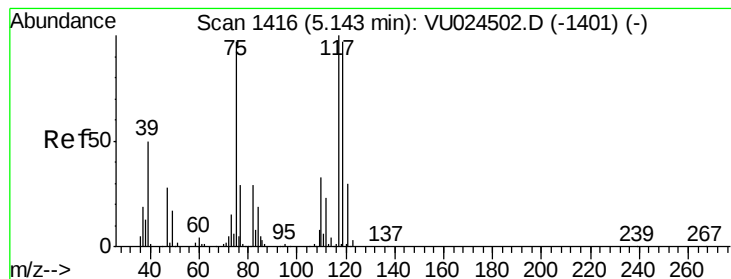


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.799 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

SS036MW003-180613

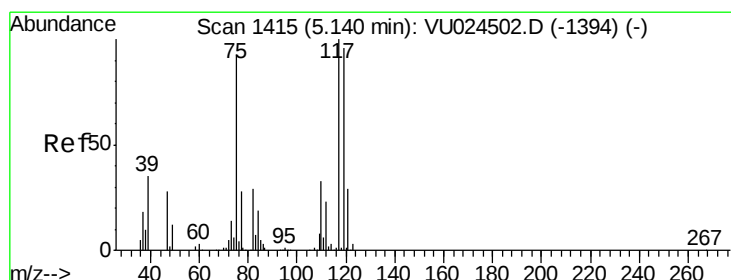
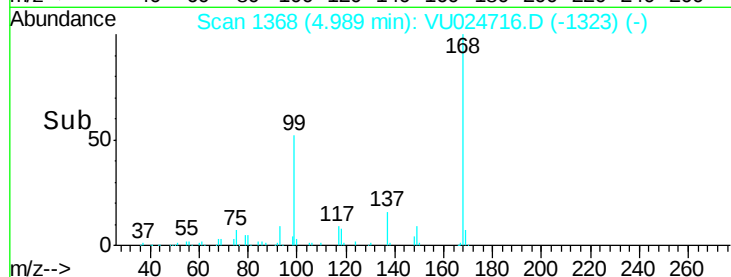
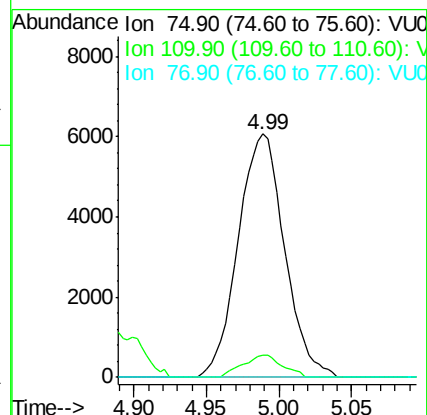
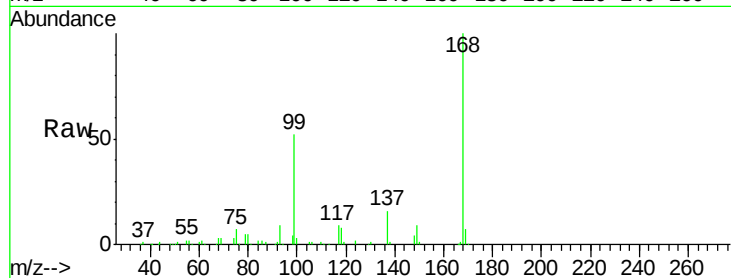
Tgt Ion: 75 Resp: 13474

Ion Ratio Lower Upper

75 100

110 7.9 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.513 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

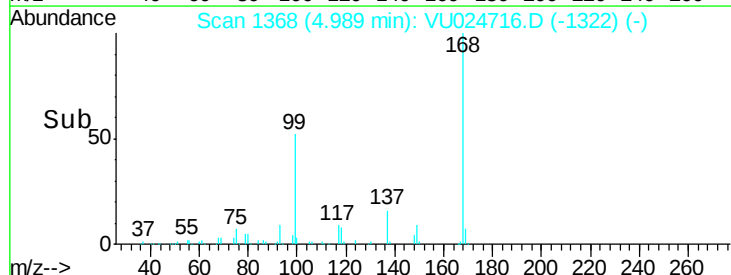
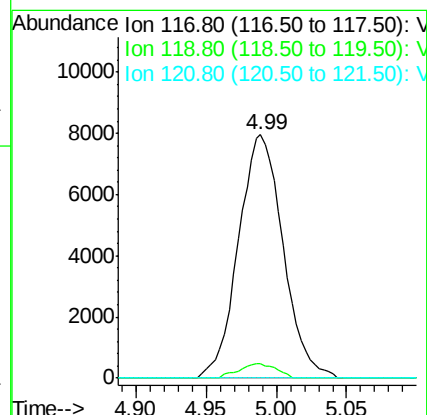
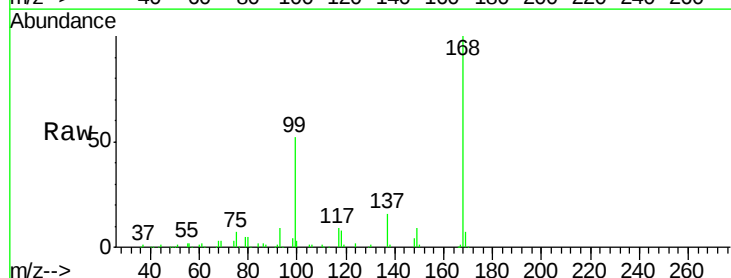
Tgt Ion: 117 Resp: 17601

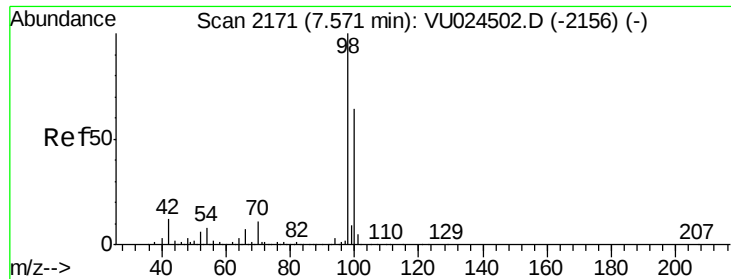
Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 23.7 35.5#

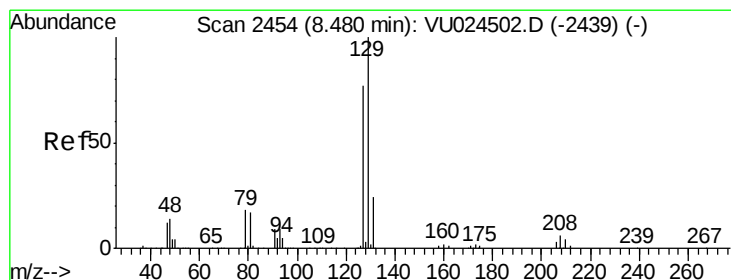
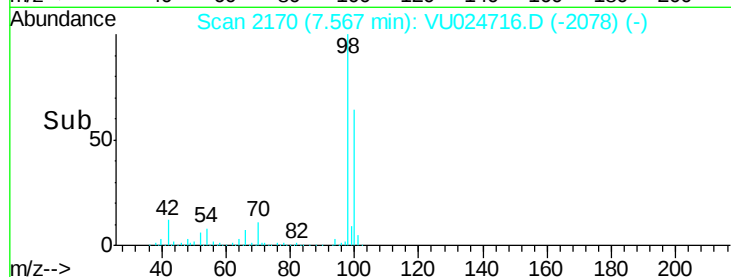
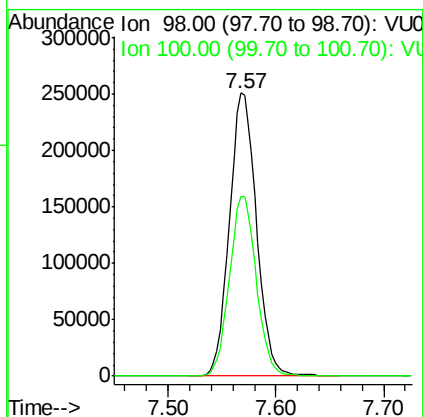
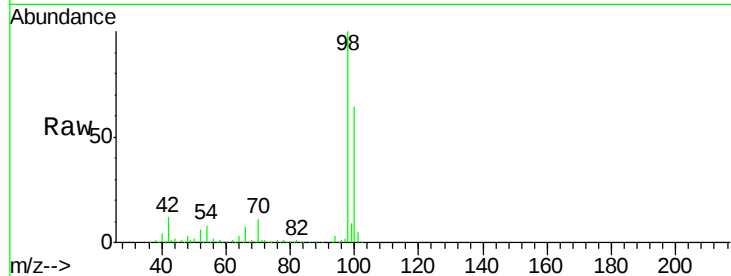




#50
Toluene-d8
Concen: 48.121 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024716.D
Acq: 19 Jun 2018 02:19

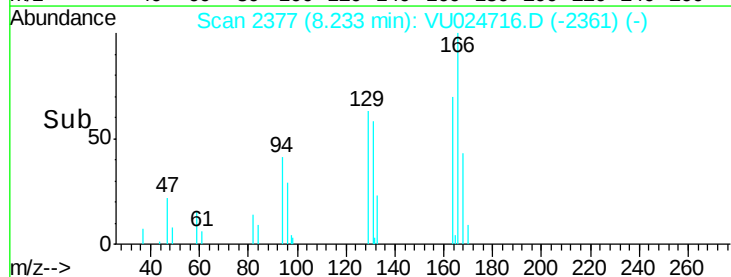
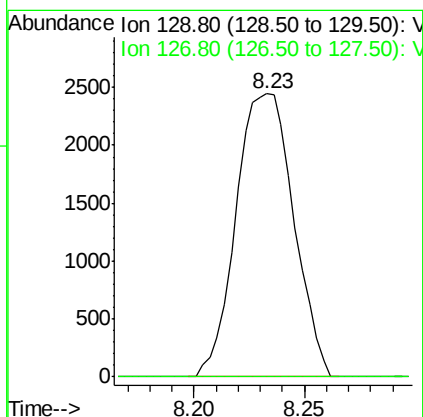
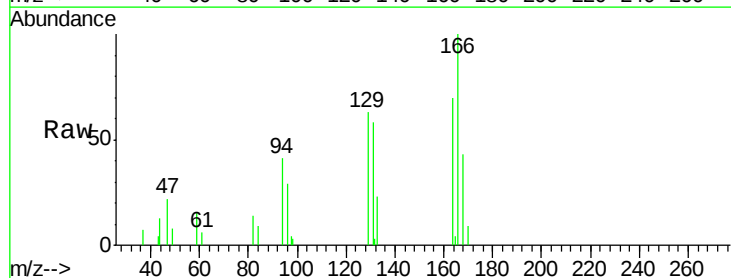
Instrument :
MSVOA_U
ClientSampleId :
SS036MW003-180613

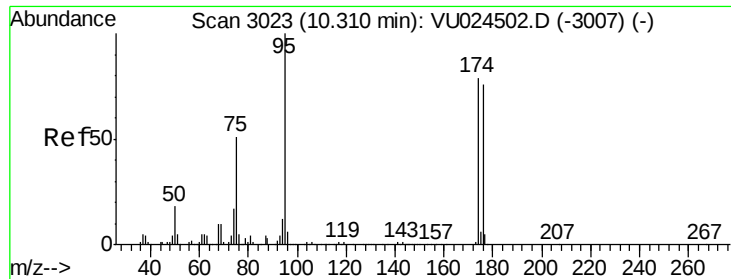
Tgt Ion: 98 Resp: 439647
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7



#60
Dibromochloromethane
Concen: 1.343 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU024716.D
Acq: 19 Jun 2018 02:19

Tgt Ion: 129 Resp: 4427
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 43.296 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

SS036MW003-180613

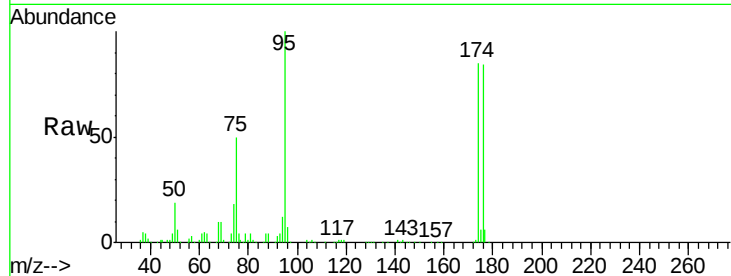
Tgt Ion: 95 Resp: 157057

Ion Ratio Lower Upper

95 100

174 86.5 0.0 165.8

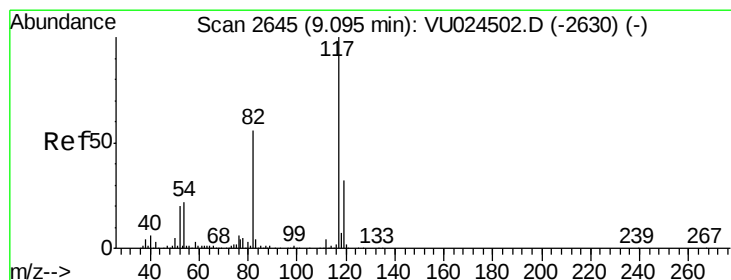
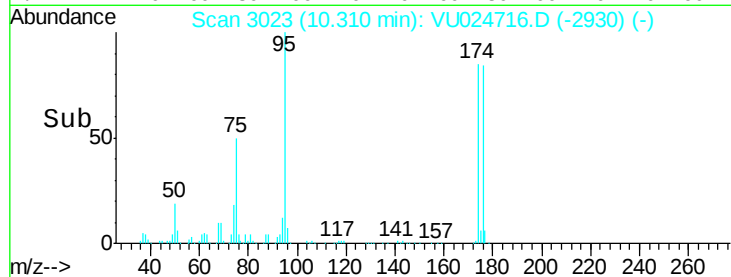
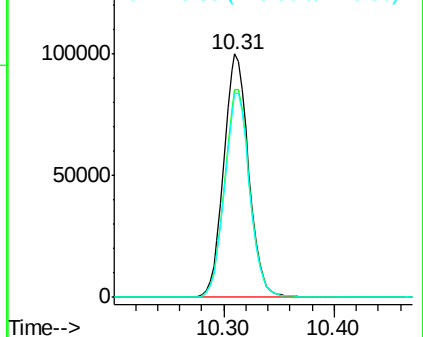
176 84.7 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024716.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024716.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024716.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

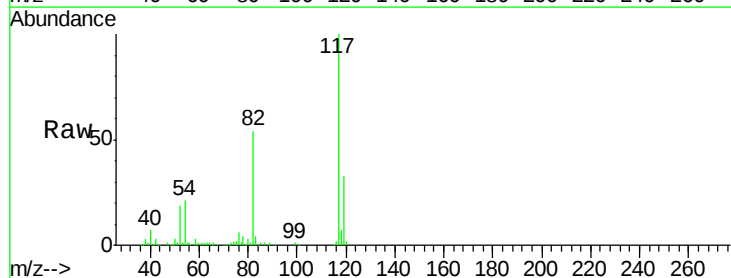
Tgt Ion: 117 Resp: 279460

Ion Ratio Lower Upper

117 100

82 54.3 44.3 66.5

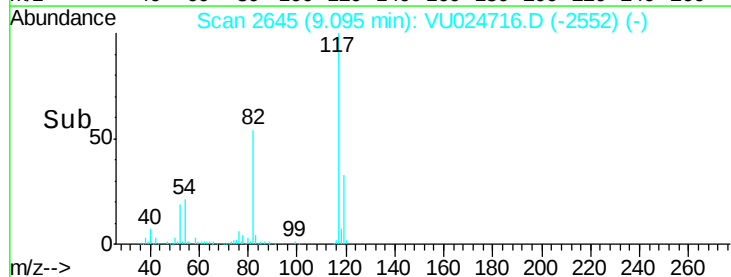
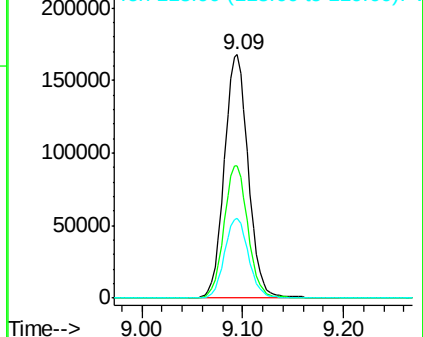
119 33.0 25.4 38.2

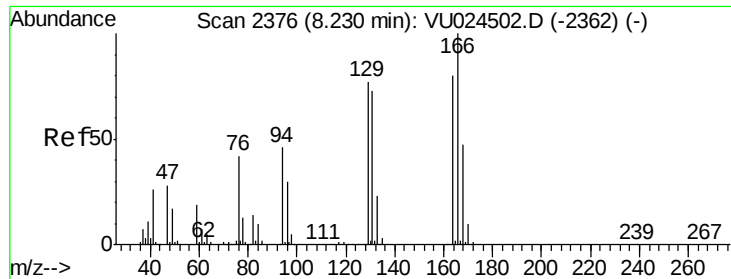


Abundance Ion 116.90 (116.60 to 117.60): VU024716.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024716.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024716.D (-2552) (-)





#64

Tetrachloroethene

Concen: 1.777 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

SS036MW003-180613

Tgt Ion:164 Resp: 4721

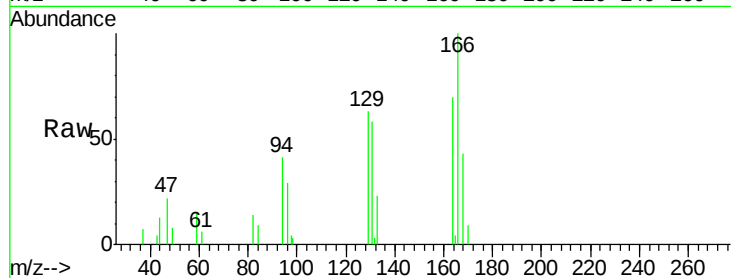
Ion Ratio Lower Upper

164 100

166 142.8 101.7 152.5

129 89.6 76.9 115.3

131 82.1 74.9 112.3

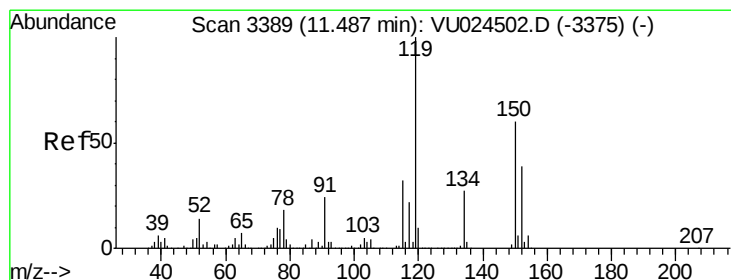
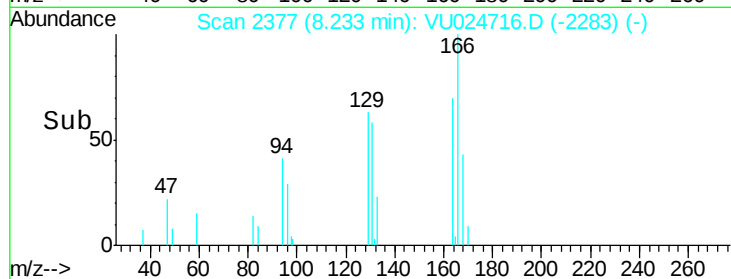
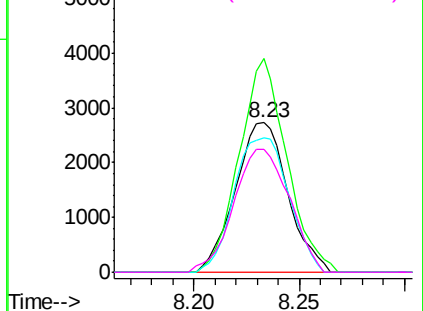


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

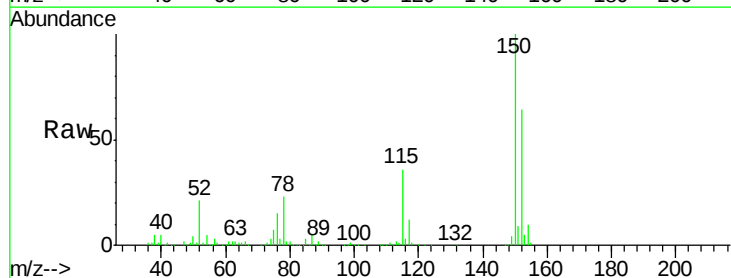
Tgt Ion:152 Resp: 147949

Ion Ratio Lower Upper

152 100

115 58.0 43.0 129.0

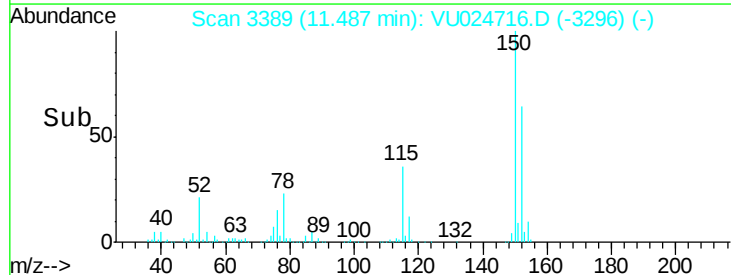
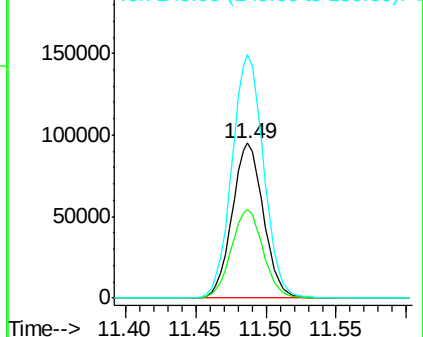
150 159.1 0.0 354.0

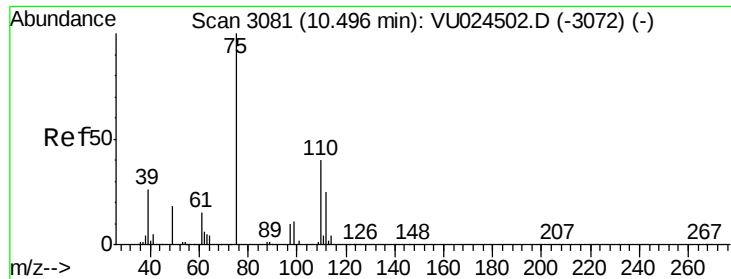


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.810 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

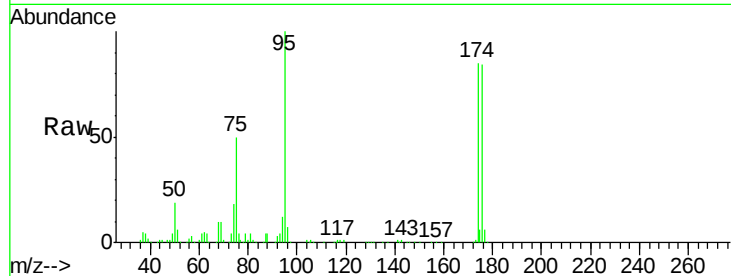
SS036MW003-180613

Tgt Ion: 75 Resp: 77556

Ion Ratio Lower Upper

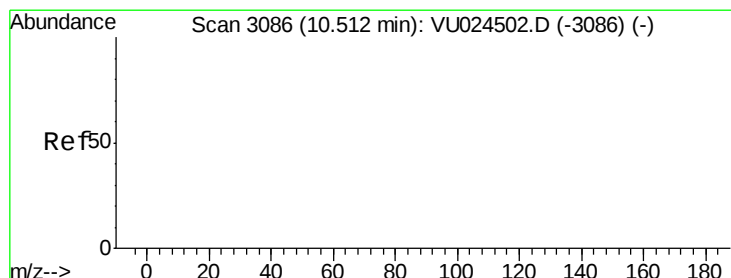
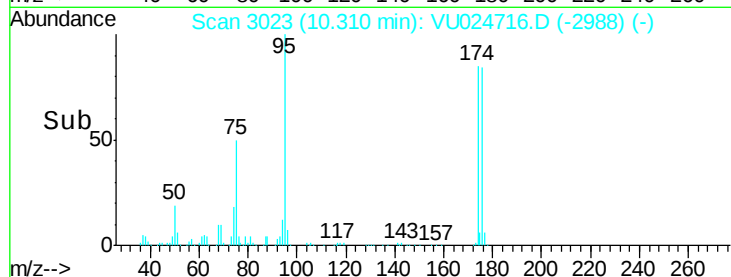
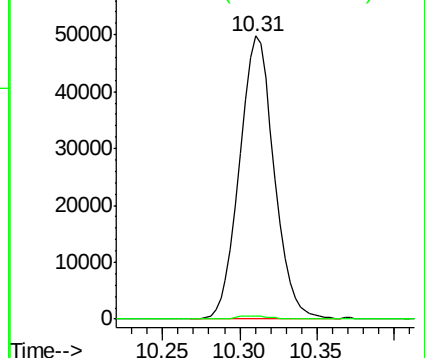
75 100

77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 55.106 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024716.D

Acq: 19 Jun 2018 02:19

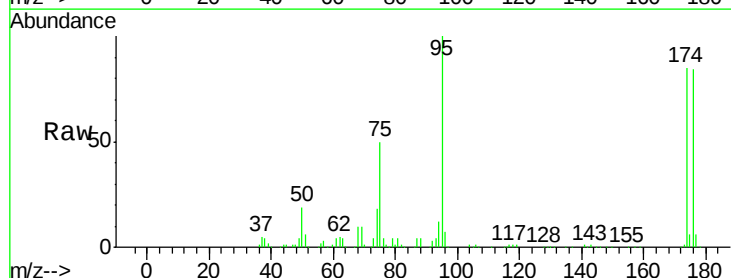
Tgt Ion: 75 Resp: 77556

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

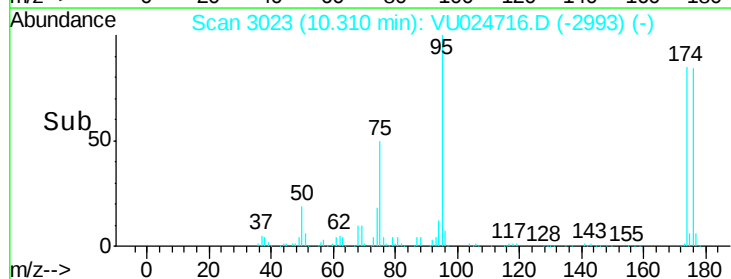
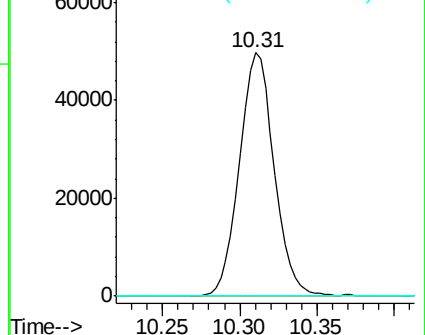
89 0.0 0.0 0.0

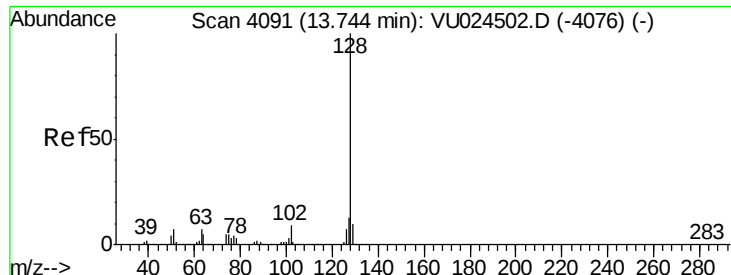


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.708 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024716.D

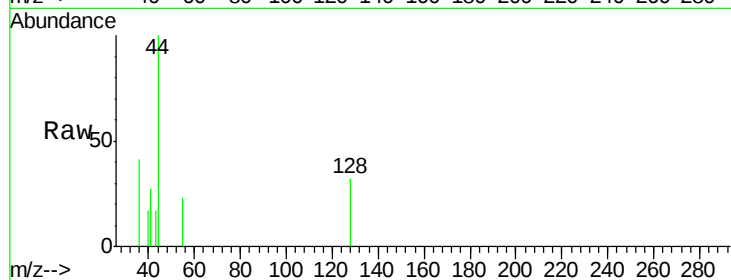
Acq: 19 Jun 2018 02:19

Instrument :

MSVOA_U

ClientSampleId :

SS036MW003-180613



Tgt Ion:128 Resp: 316

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

