

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025251.D
 Acq On : 06 Jul 2018 19:42
 Operator : MD/SY
 Sample : J3808-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW364-180628

Quant Time: Jul 06 23:31:47 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

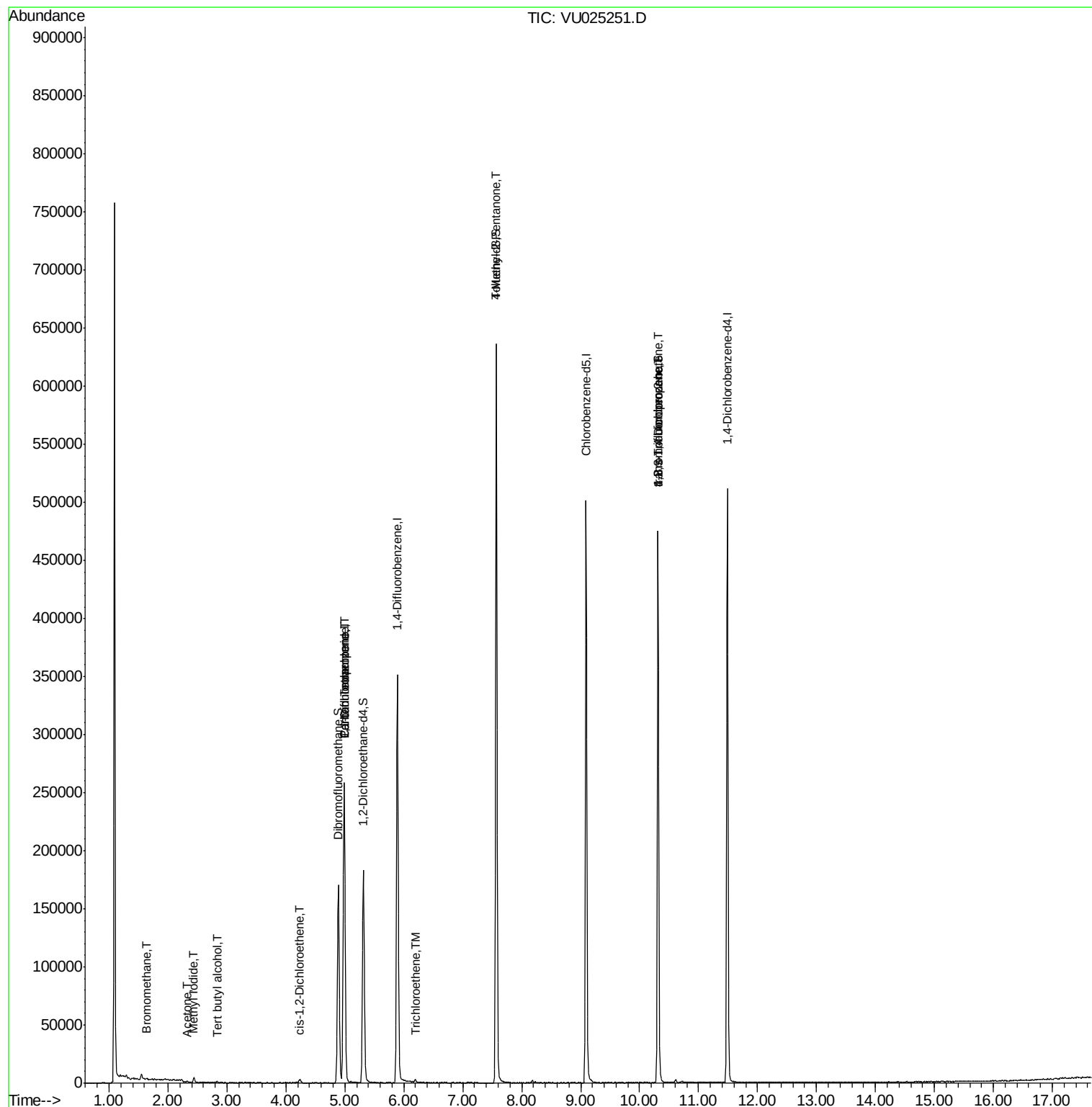
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	138576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	150532	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
35) Dibromofluoromethane	4.89	113	116618	47.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.26%	
50) Toluene-d8	7.57	98	431661	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	10.31	95	156785	43.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.52%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	501	0.397	ug/l	81
6) Chloroethane	1.70	64	20	Below Cal	#	43
10) Methyl Iodide	2.43	142	108	5.335	ug/l #	40
11) Tert butyl alcohol	2.83	59	1349	1.716	ug/l #	72
16) Acetone	2.33	43	953	0.549	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	1731	0.607	ug/l	89
31) Cyclohexane	4.99	56	3935	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14688	4.193	ug/l #	52
38) Carbon Tetrachloride	4.99	117	19203	4.985	ug/l #	16
44) Trichloroethene	6.20	130	830	0.292	ug/l	61
51) 4-Methyl-2-Pentanone	7.57	43	2092	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	81915	26.849	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	81915	62.140	ug/l #	100

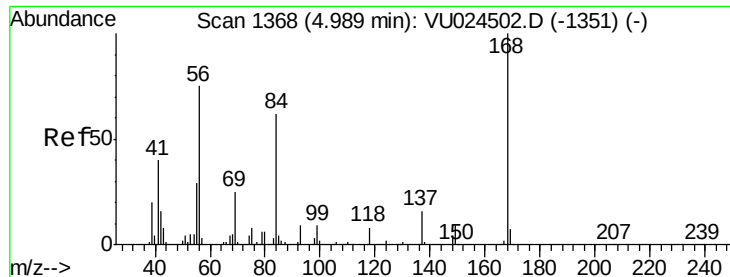
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
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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: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

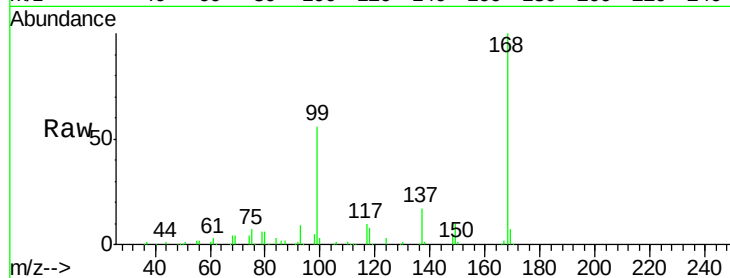
WP021MW364-180628

Tot Ion:168 Resp: 197949

Ion Ratio Lower Upper

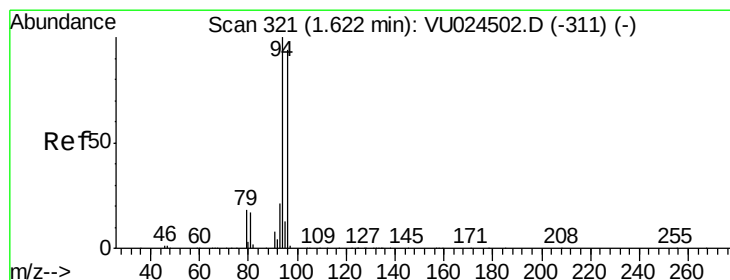
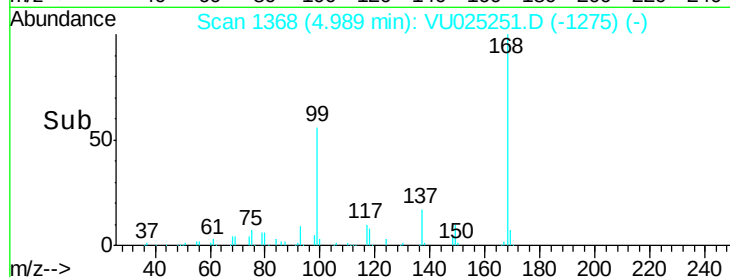
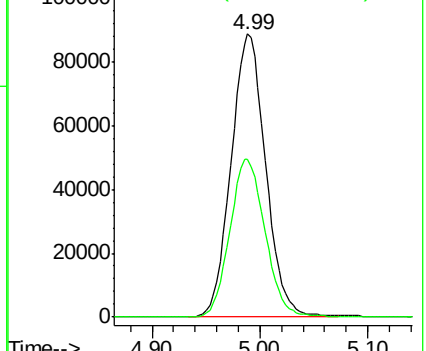
168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#5

Bromomethane

Concen: 0.397 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025251.D

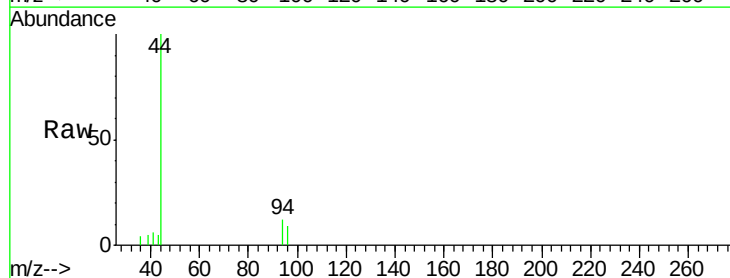
Acq: 06 Jul 2018 19:42

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

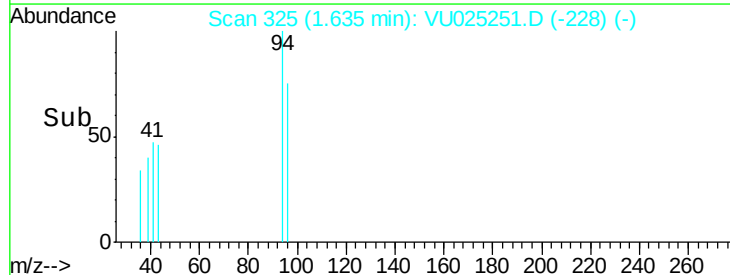
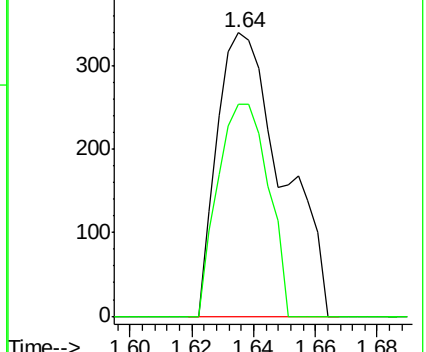
94 100

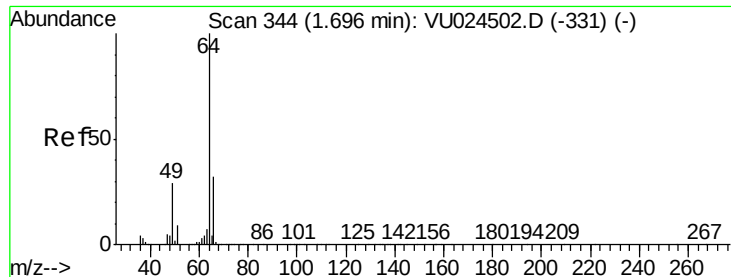
96 74.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

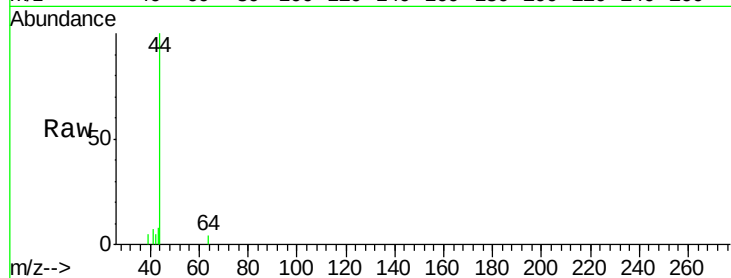
WP021MW364-180628

Tot Ion: 64 Resp: 20

Ion Ratio Lower Upper

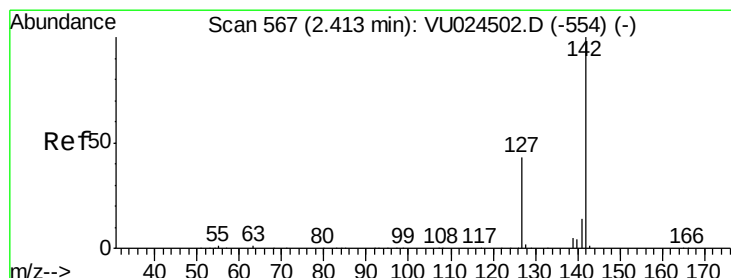
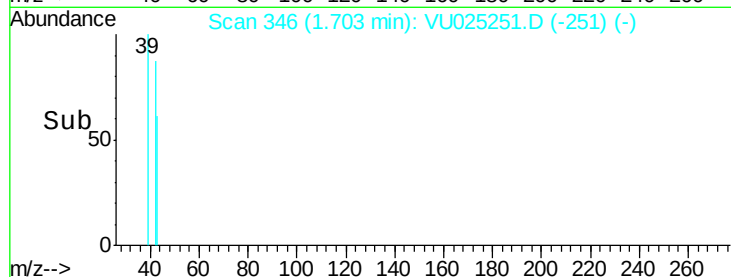
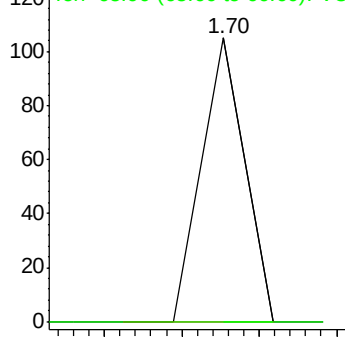
64 100

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



#10

Methyl Iodide

Concen: 5.335 ug/l

RT: 2.43 min Scan# 571

Delta R.T. 0.01 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

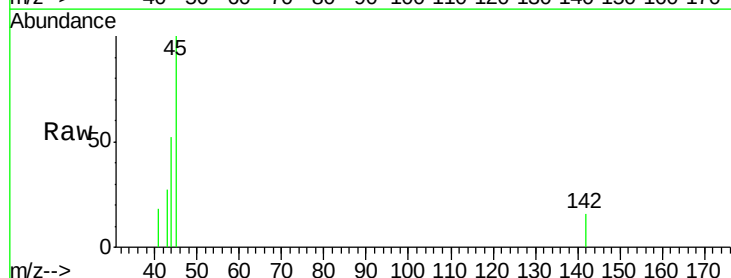
Tgt Ion: 142 Resp: 108

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

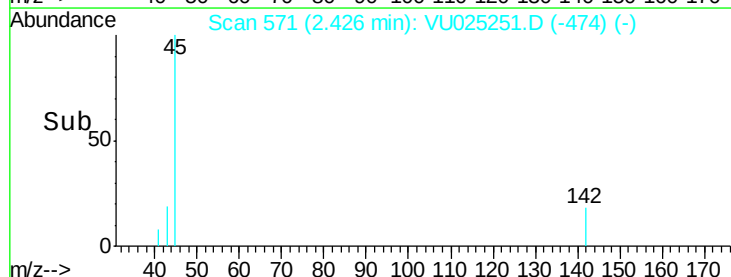
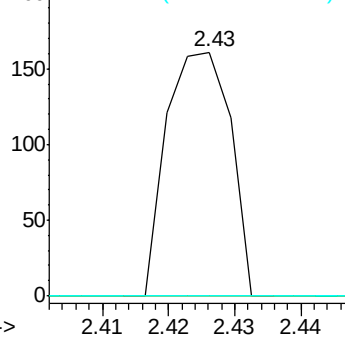
141 0.0 11.7 17.5#

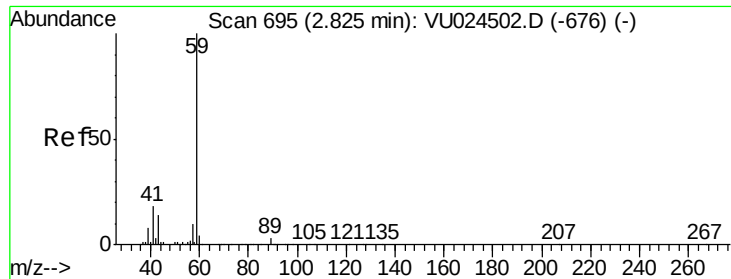


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

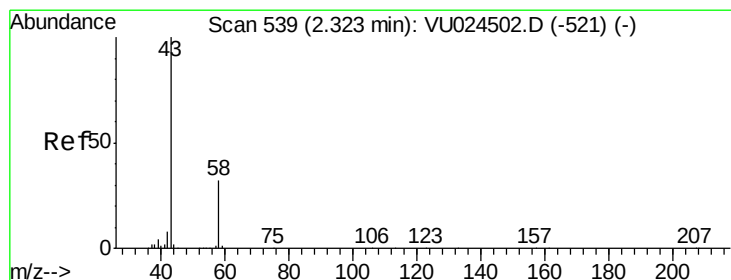
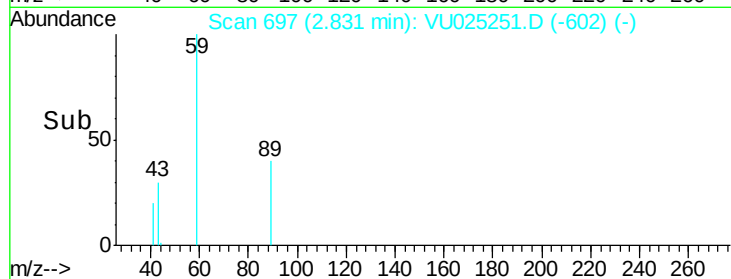
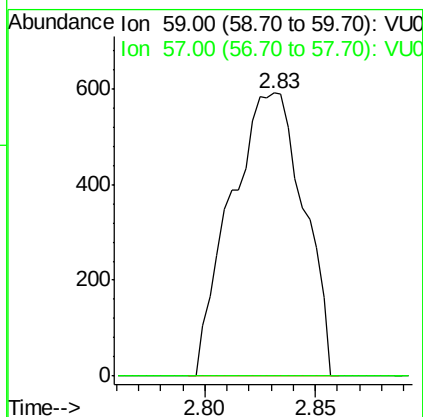
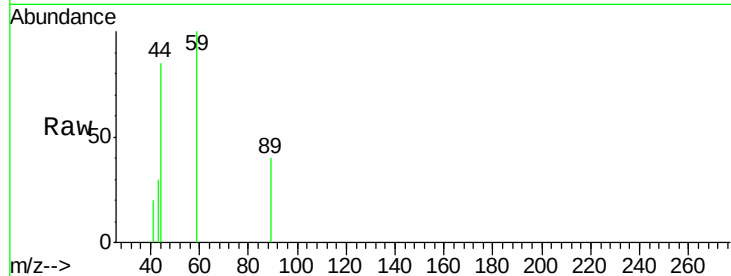




#11
Tert butyl alcohol
Concen: 1.716 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025251.D
Acq: 06 Jul 2018 19:42

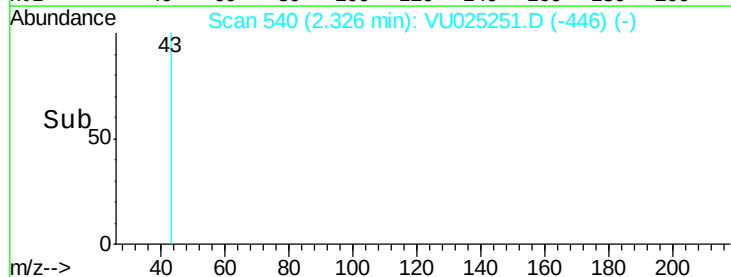
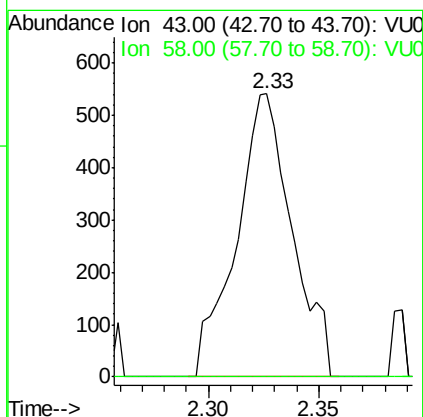
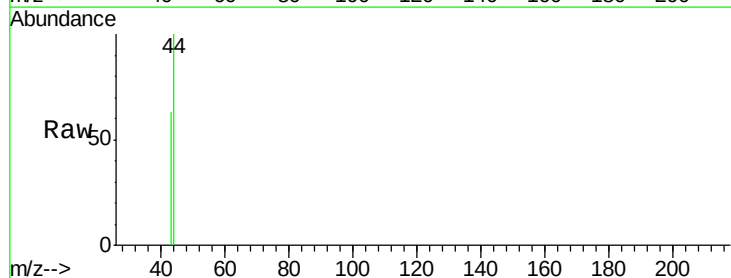
Instrument :
MSVOA_U
ClientSampleId :
WP021MW364-180628

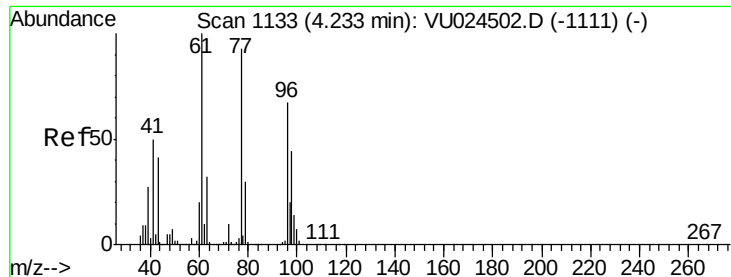
Tot Ion: 59 Resp: 1349
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.549 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU025251.D
Acq: 06 Jul 2018 19:42

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 0.607 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

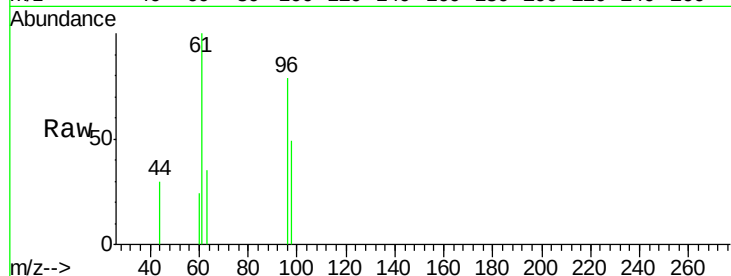
Tot Ion: 96 Resp: 1731

Ion Ratio Lower Upper

96 100

61 133.0 0.0 306.6

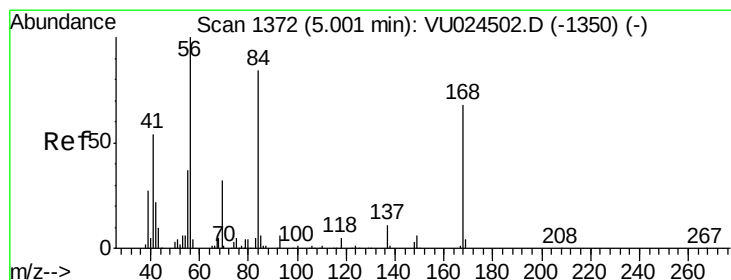
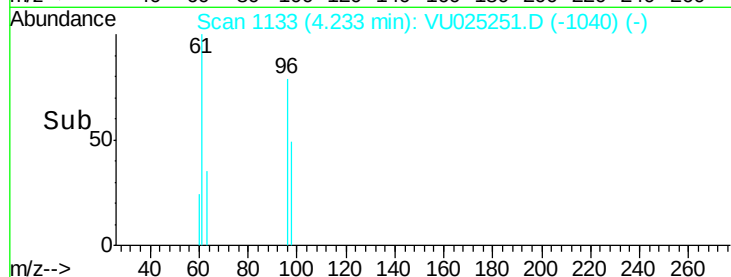
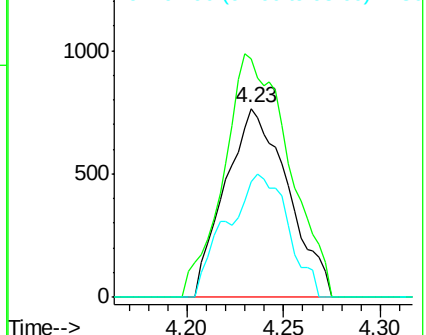
98 63.3 0.0 128.8



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



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

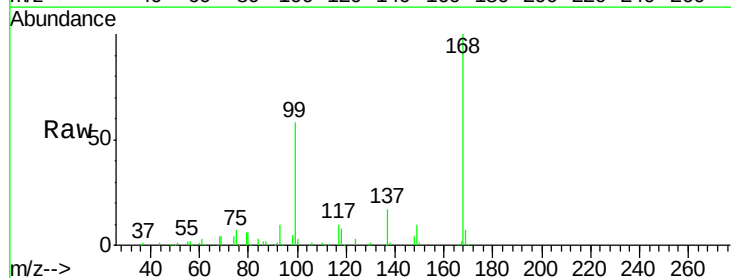
Tgt Ion: 56 Resp: 3935

Ion Ratio Lower Upper

56 100

69 164.6 24.8 37.2#

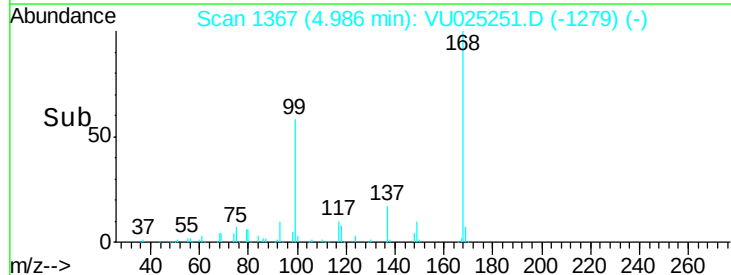
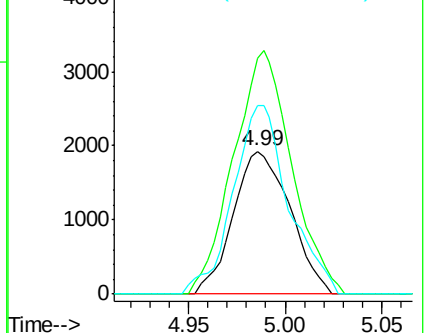
84 132.3 65.2 97.8#

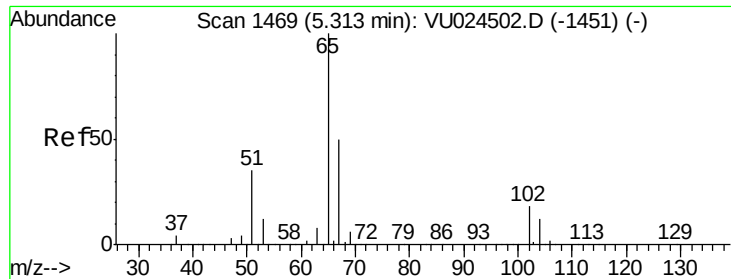


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

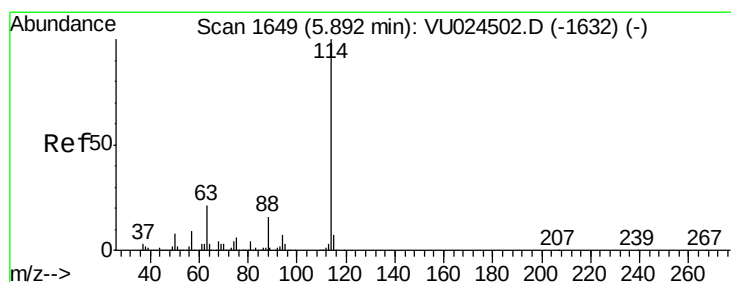
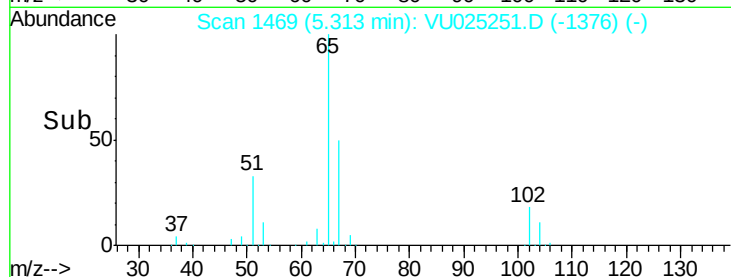
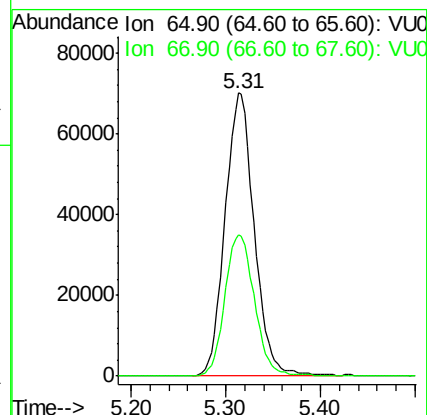
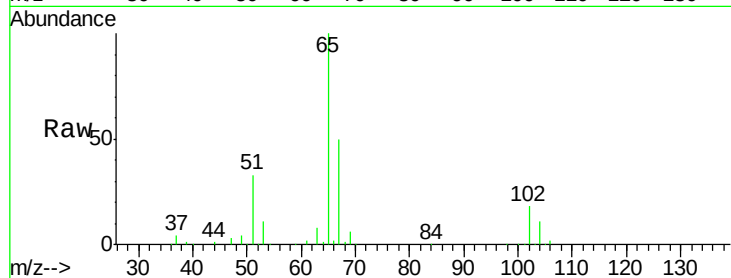




#33
 1,2-Dichloroethane-d4
 Concen: 46.582 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025251.D
 Acq: 06 Jul 2018 19:42

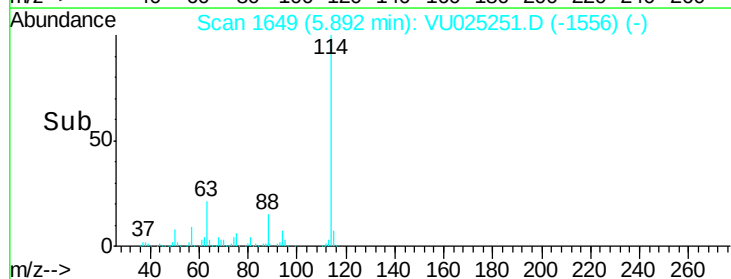
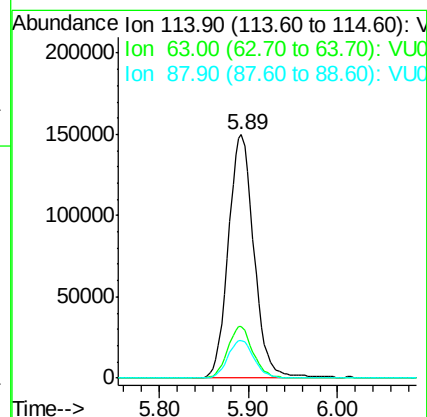
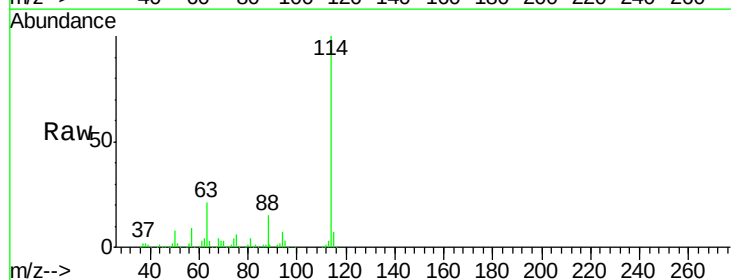
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW364-180628

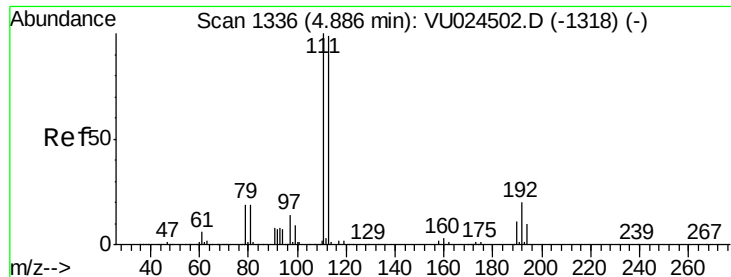
Tot Ion: 65 Resp: 150532
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025251.D
 Acq: 06 Jul 2018 19:42

Tgt Ion: 114 Resp: 298121
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.134 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

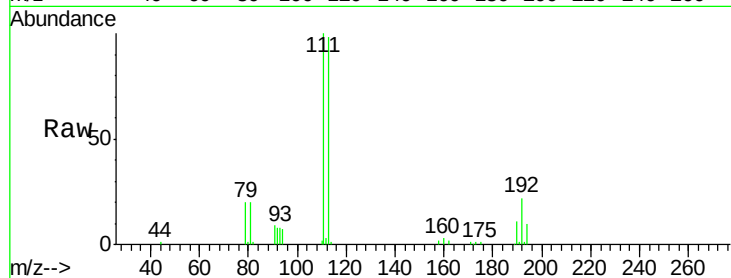
Tot Ion:113 Resp: 116618

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

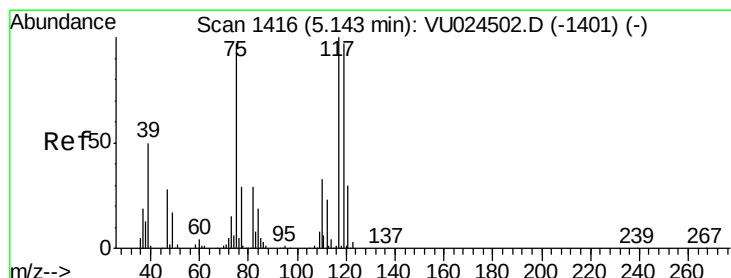
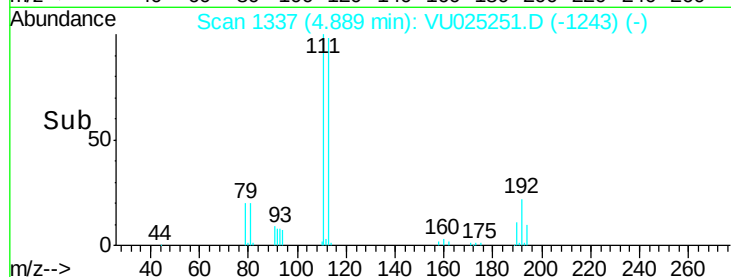
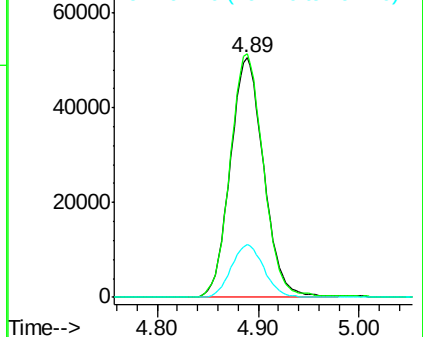
192 21.4 16.2 24.4



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: 4.193 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

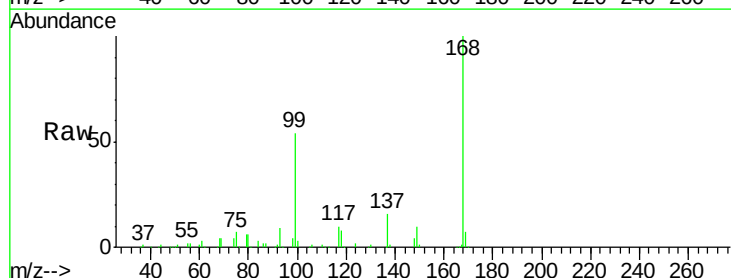
Tgt Ion: 75 Resp: 14688

Ion Ratio Lower Upper

75 100

110 10.3 17.0 50.9#

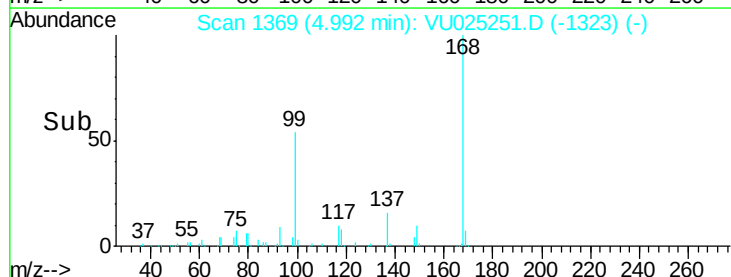
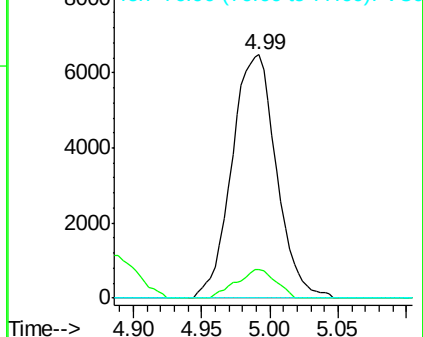
77 0.0 24.2 36.4#

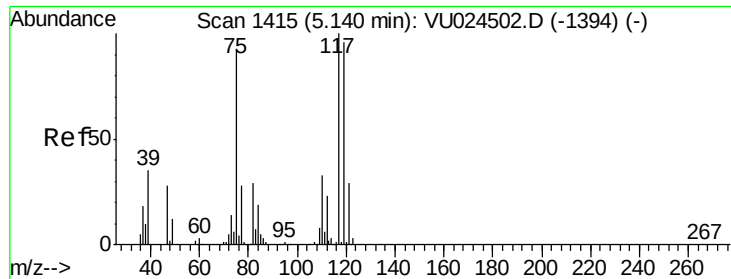


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.985 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

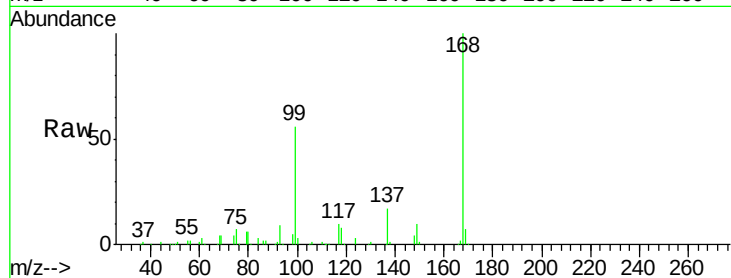
Tot Ion:117 Resp: 19203

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

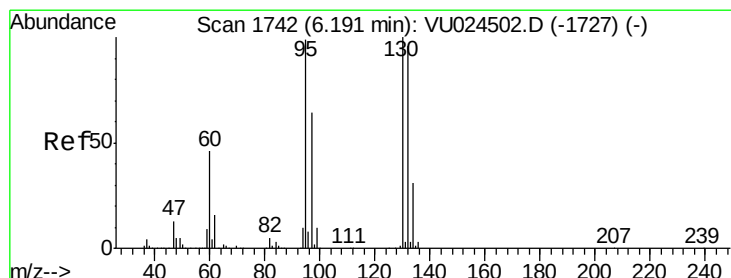
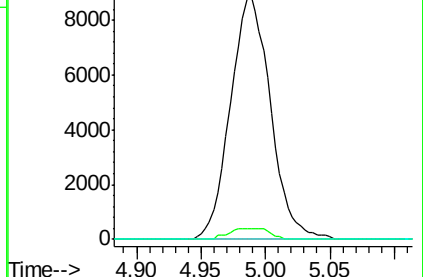
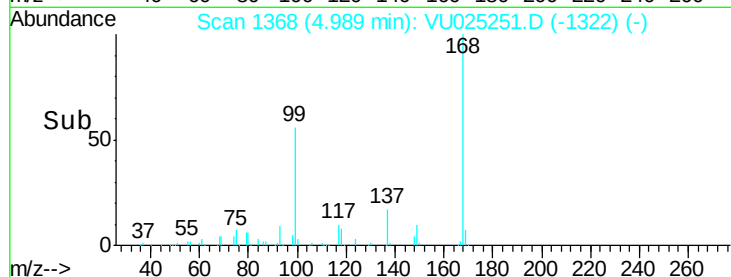
121 0.0 23.7 35.5#



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: 0.292 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU025251.D

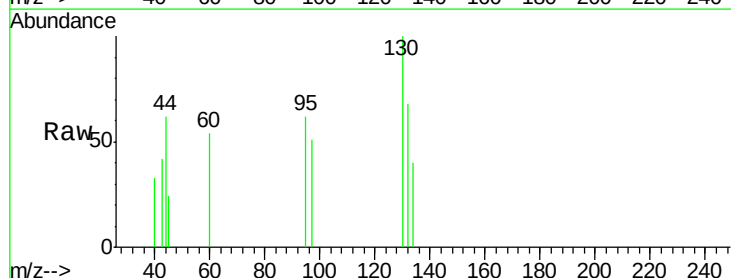
Acq: 06 Jul 2018 19:42

Tgt Ion:130 Resp: 830

Ion Ratio Lower Upper

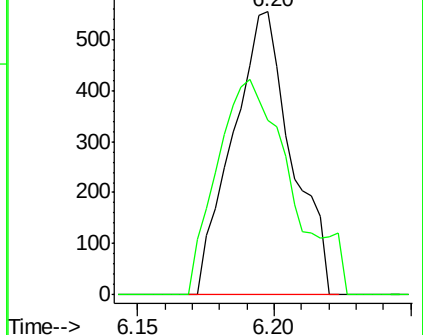
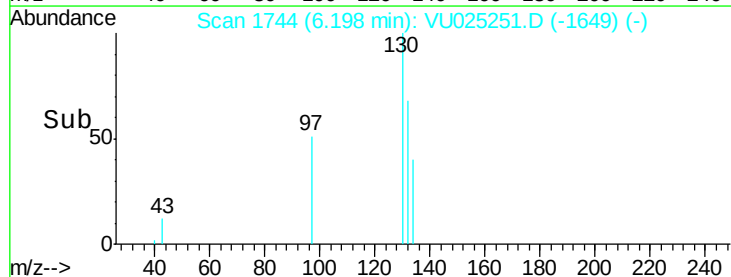
130 100

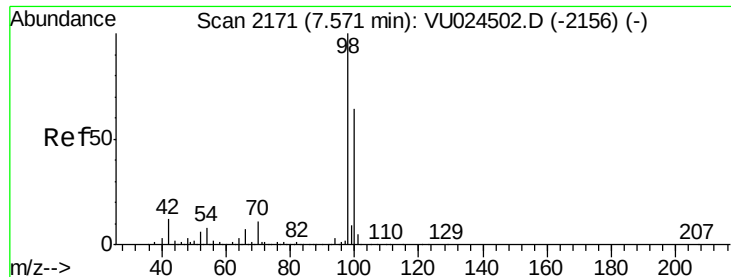
95 61.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

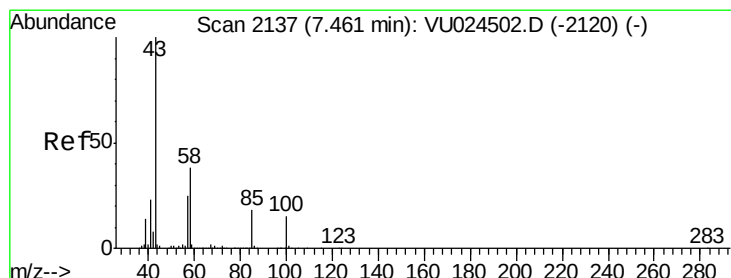
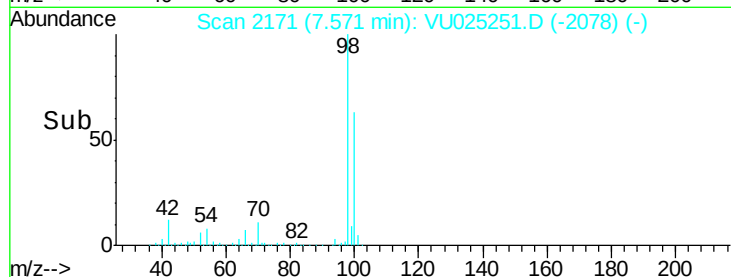
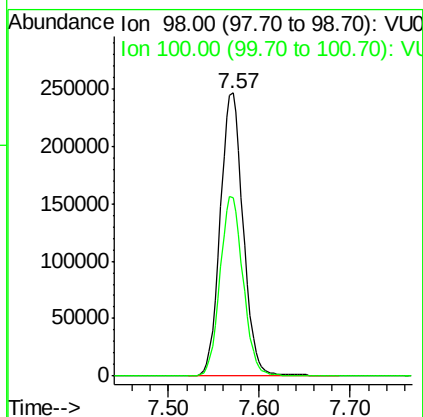
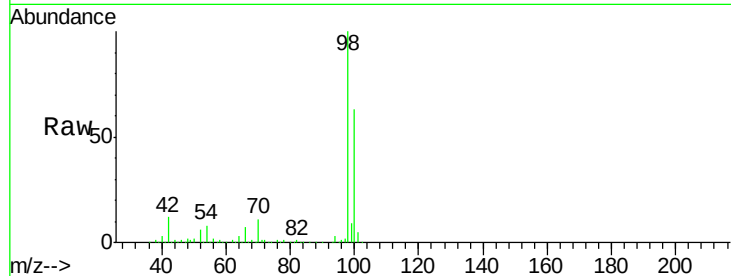




#50
Toluene-d8
Concen: 47.831 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025251.D
Acq: 06 Jul 2018 19:42

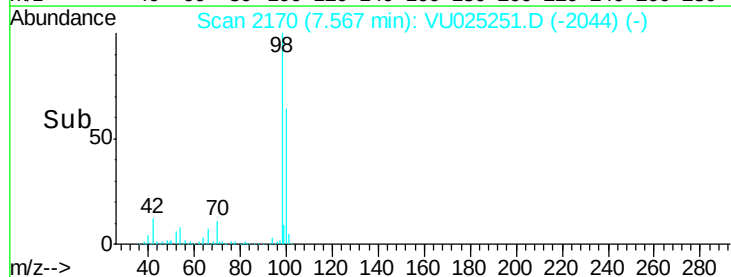
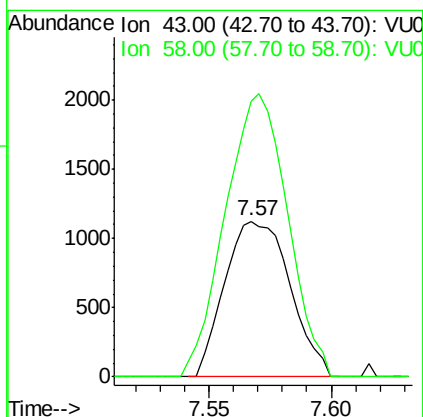
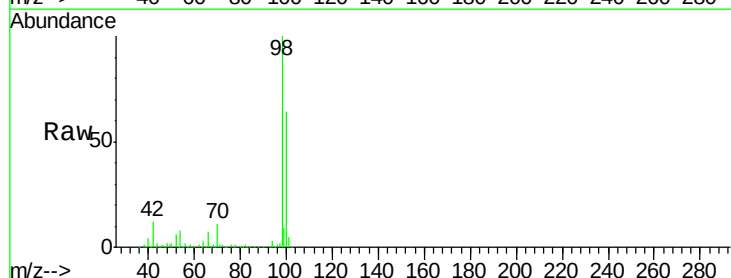
Instrument :
MSVOA_U
ClientSampleId :
WP021MW364-180628

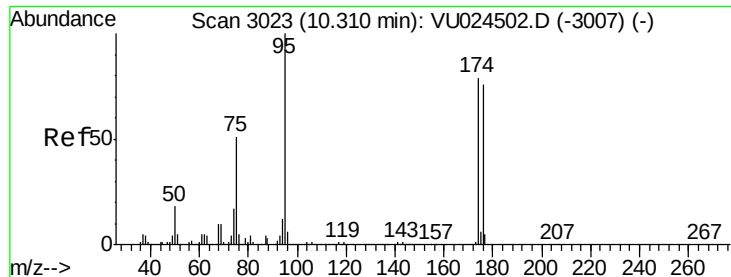
Tot Ion: 98 Resp: 431661
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.11 min
Lab File: VU025251.D
Acq: 06 Jul 2018 19:42

Tgt Ion: 43 Resp: 2092
Ion Ratio Lower Upper
43 100
58 173.4 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 43.756 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

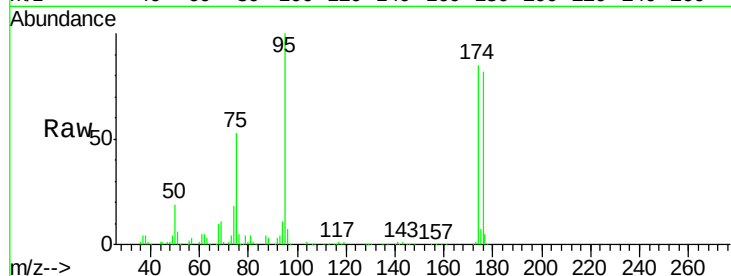
Tot Ion: 95 Resp: 156785

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

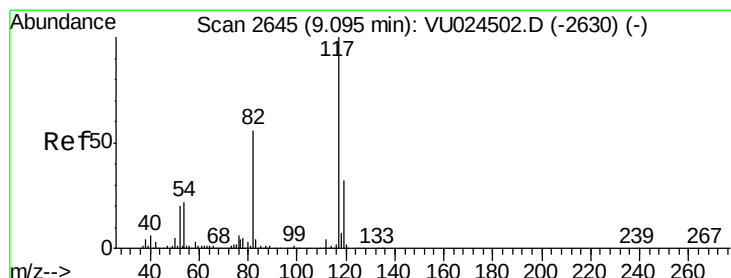
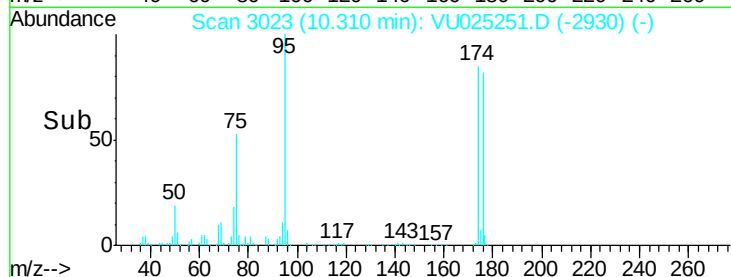
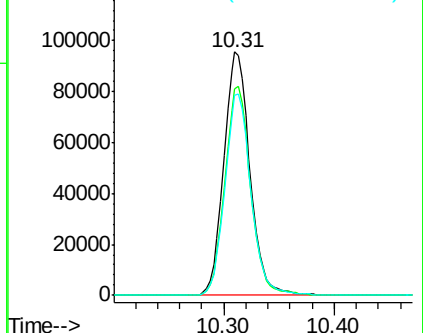
176 82.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

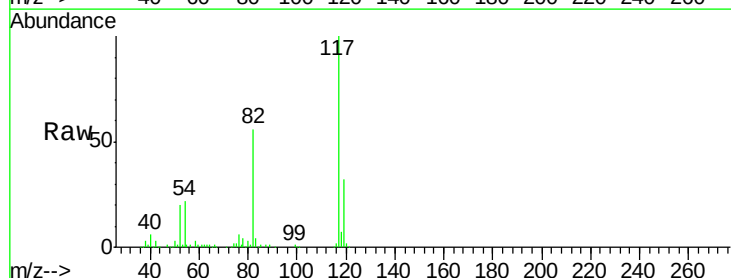
Tgt Ion: 117 Resp: 276016

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

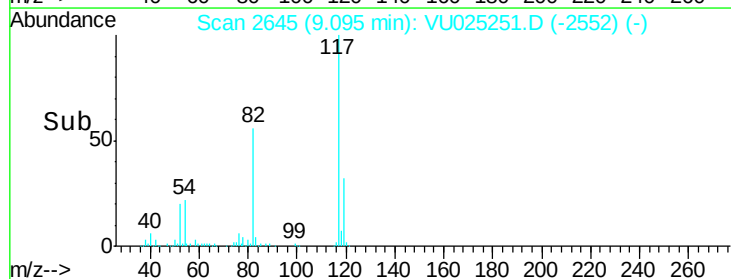
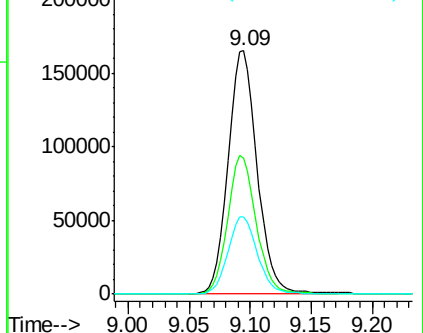
119 31.9 25.4 38.2

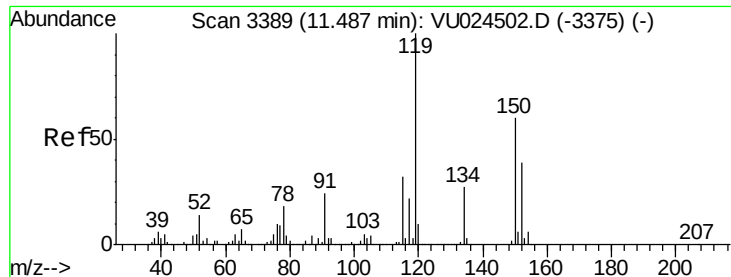


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): 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: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

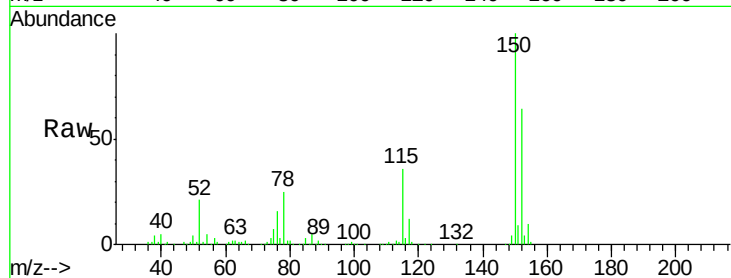
Tot Ion:152 Resp: 138576

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

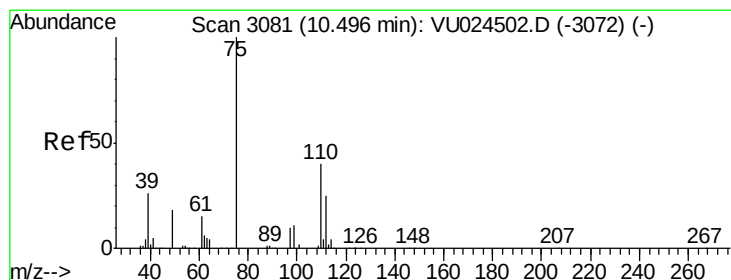
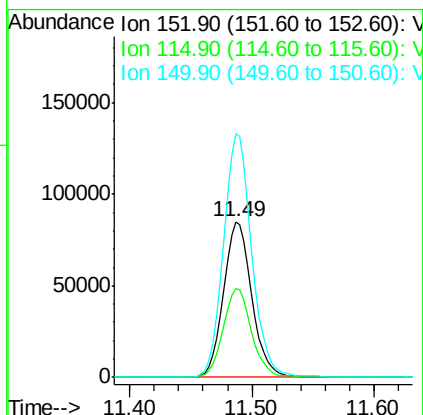
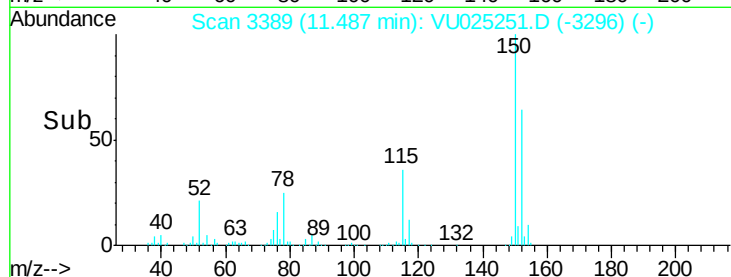
150 155.8 0.0 354.0



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: 26.849 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025251.D

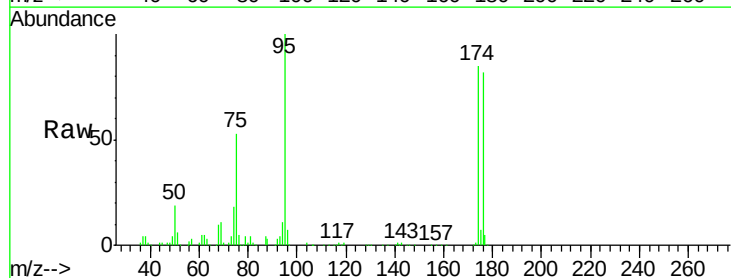
Acq: 06 Jul 2018 19:42

Tgt Ion: 75 Resp: 81915

Ion Ratio Lower Upper

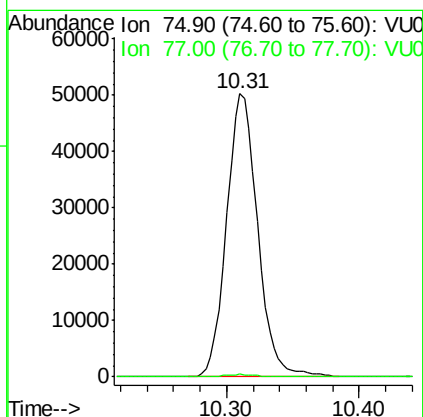
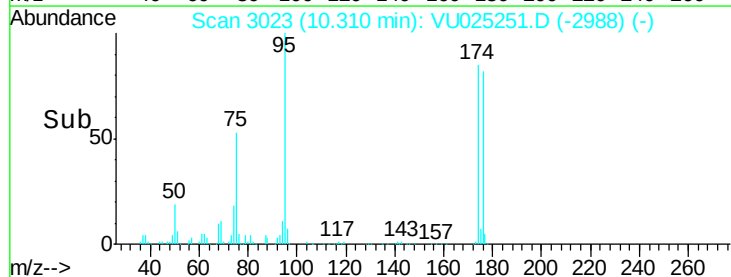
75 100

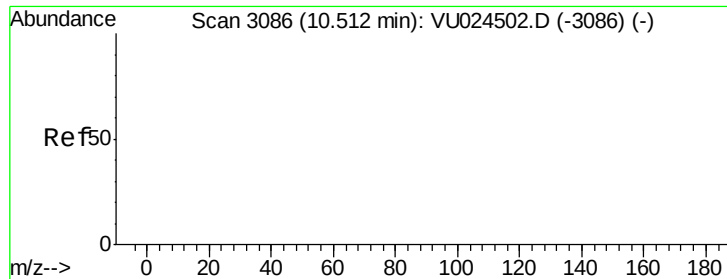
77 0.9 20.9 62.7#



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: 62.140 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025251.D

Acq: 06 Jul 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021MW364-180628

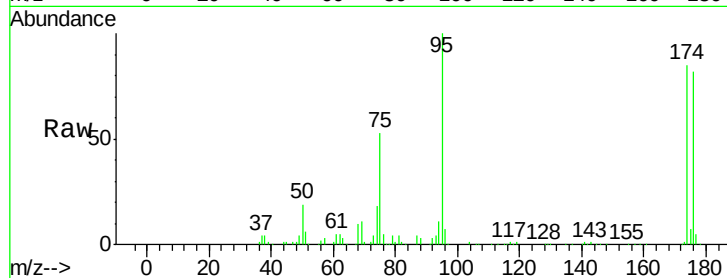
Tot Ion: 75 Resp: 81915

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

