

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024698.D
 Acq On : 18 Jun 2018 17:49
 Operator : MD/SY
 Sample : J3463-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-15-8.0-061218

Quant Time: Jun 19 05:13:52 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	188522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300663	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143494	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	134797	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.60%	
35) Dibromofluoromethane	4.89	113	119532	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
50) Toluene-d8	7.57	98	438640	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	10.31	95	154142	42.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.30%	

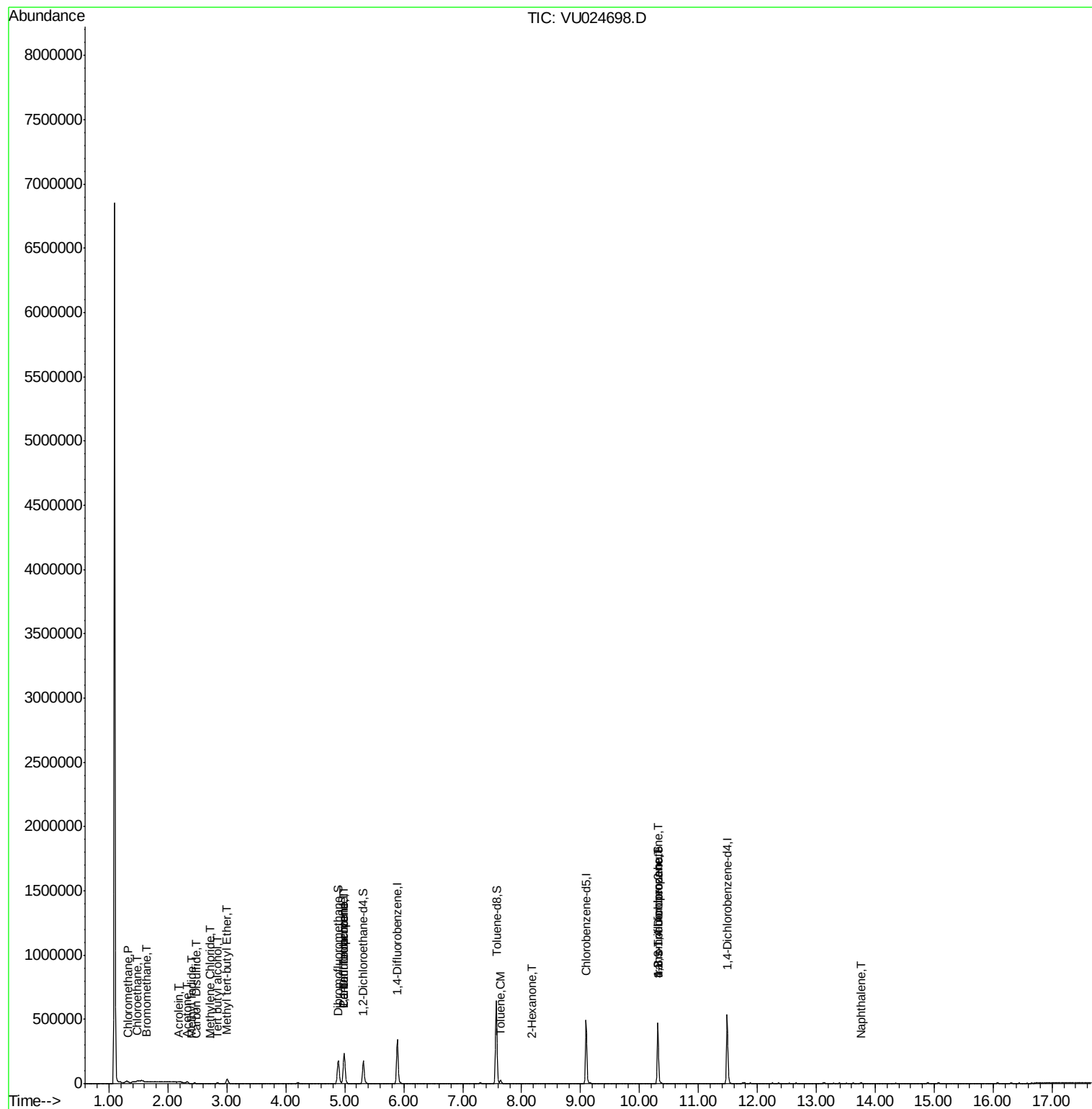
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	594	0.246	ug/l	93
5) Bromomethane	1.63	94	260	0.216	ug/l #	75
6) Chloroethane	1.48	64	32920	23.130	ug/l #	51
10) Methyl Iodide	2.41	142	19	5.297	ug/l #	40
11) Tert butyl alcohol	2.83	59	5644	7.540	ug/l #	87
13) Acrolein	2.19	56	104	0.265	ug/l #	1
16) Acetone	2.32	43	12918	7.812	ug/l	100
17) Carbon Disulfide	2.48	76	1547	0.225	ug/l #	75
19) Methyl tert-butyl Ether	3.00	73	36651	4.542	ug/l	98
20) Methylene Chloride	2.70	84	538	0.207	ug/l #	72
31) Cyclohexane	4.99	56	4202	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12877	3.645	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17354	4.467	ug/l #	16
52) Toluene	7.64	92	9379	1.448	ug/l	93
59) 2-Hexanone	8.17	43	2448	0.717	ug/l	64
76) 1,2,3-Trichloropropane	10.31	75	76345	24.166	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	76345	55.930	ug/l #	100
95) Naphthalene	13.76	128	4358	1.087	ug/l #	89

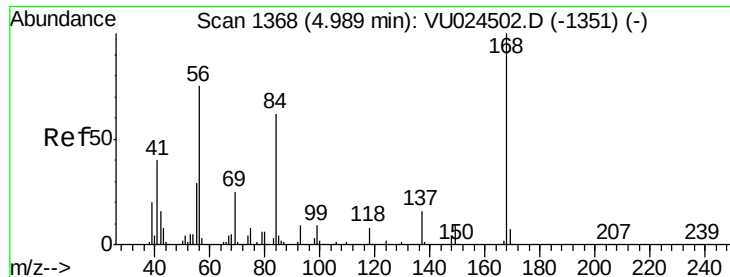
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

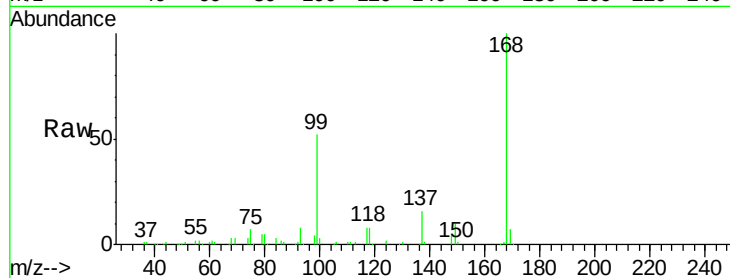
T11-MW-15-8.0-061218

Tgt Ion:168 Resp: 188522

Ion Ratio Lower Upper

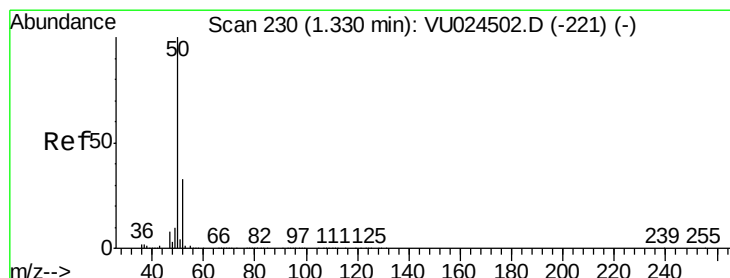
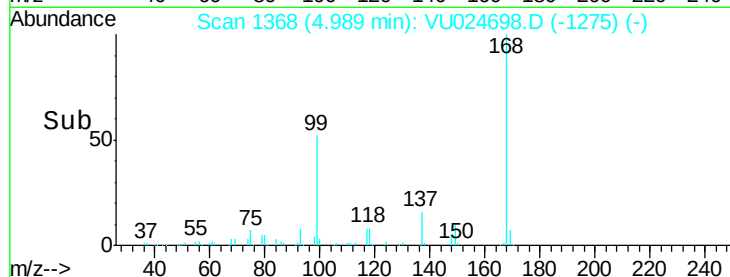
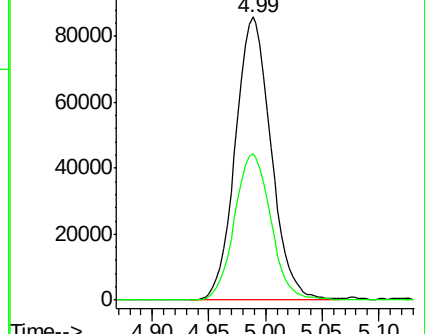
168 100

99 51.8 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: 0.246 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024698.D

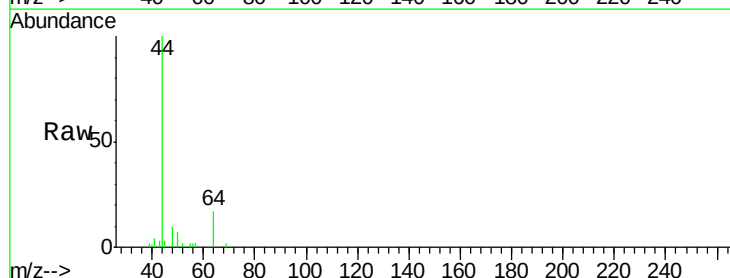
Acq: 18 Jun 2018 17:49

Tgt Ion: 50 Resp: 594

Ion Ratio Lower Upper

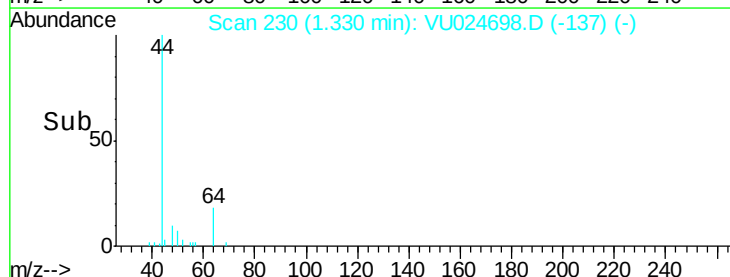
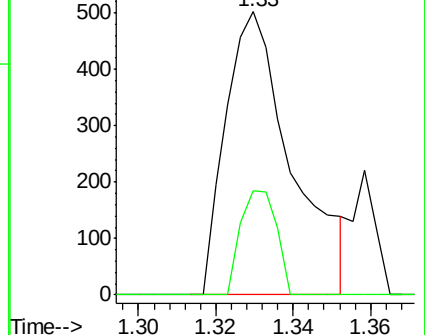
50 100

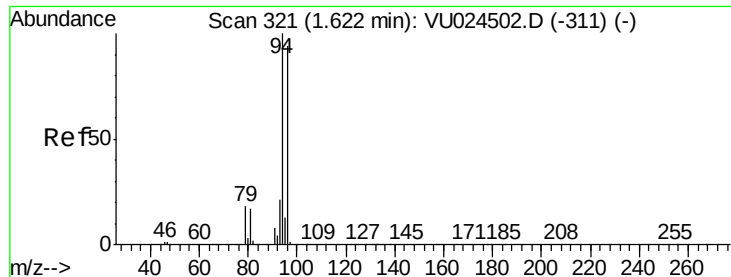
52 36.9 26.4 39.6



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: 0.216 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

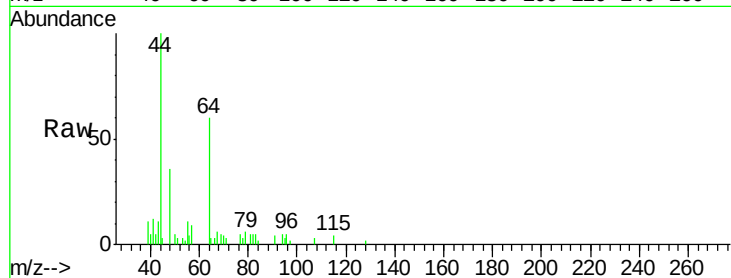
T11-MW-15-8.0-061218

Tgt Ion: 94 Resp: 260

Ion Ratio Lower Upper

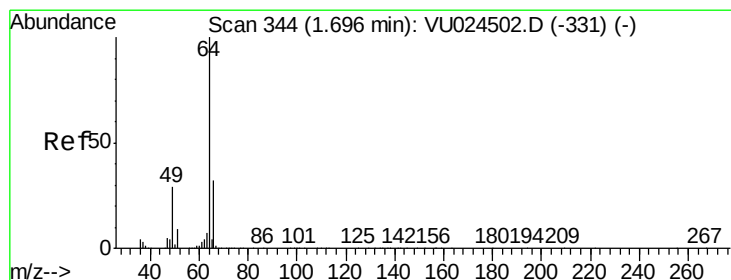
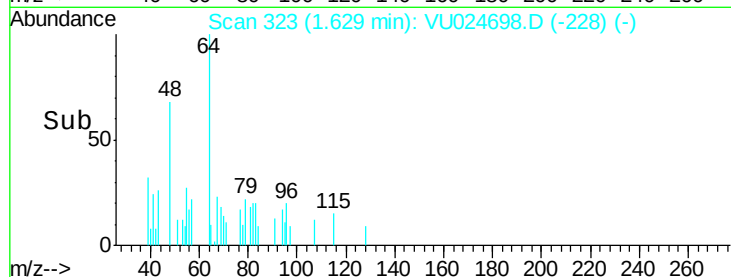
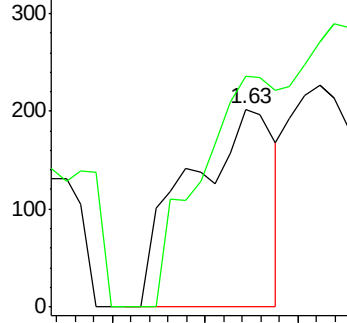
94 100

96 116.8 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: 23.130 ug/l

RT: 1.48 min Scan# 276

Delta R.T. -0.22 min

Lab File: VU024698.D

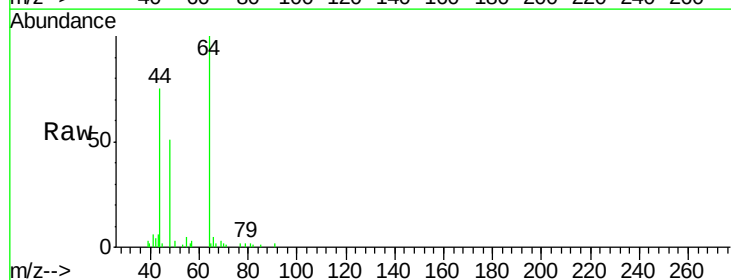
Acq: 18 Jun 2018 17:49

Tgt Ion: 64 Resp: 32920

Ion Ratio Lower Upper

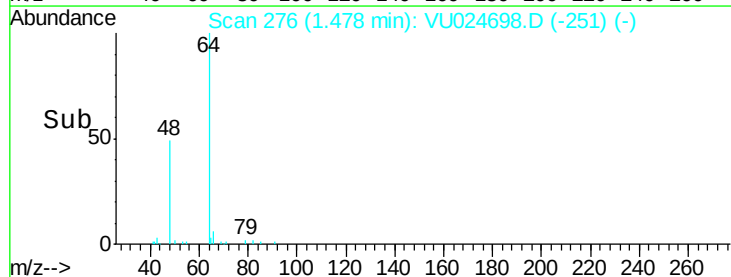
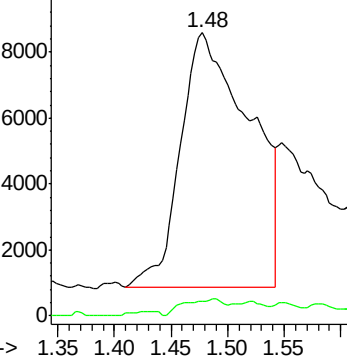
64 100

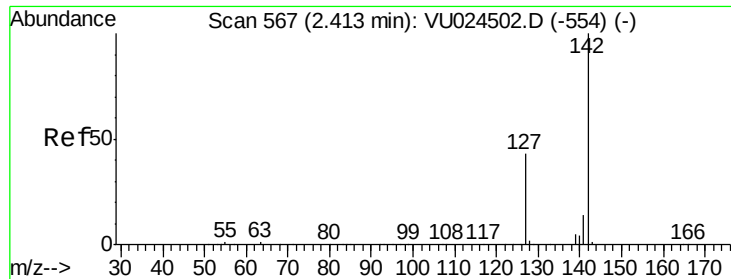
66 4.6 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.297 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-15-8.0-061218

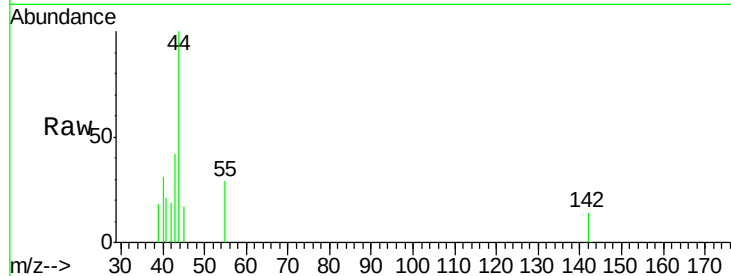
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

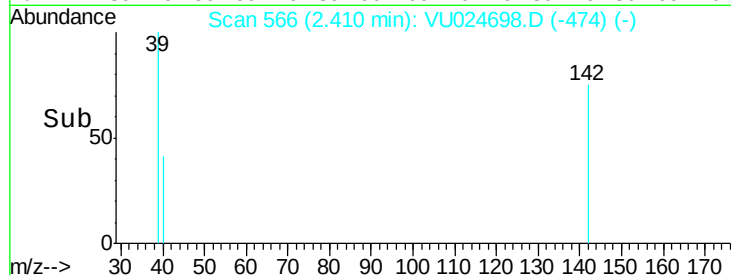
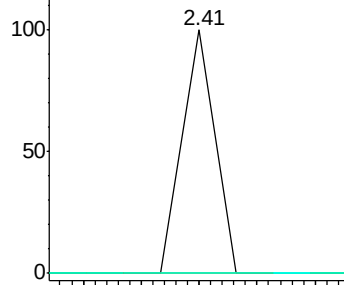
141 0.0 11.7 17.5#



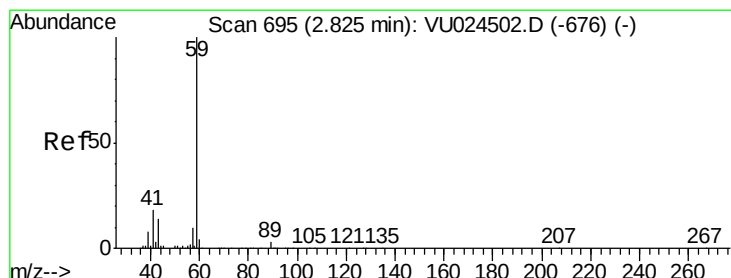
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 7.540 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU024698.D

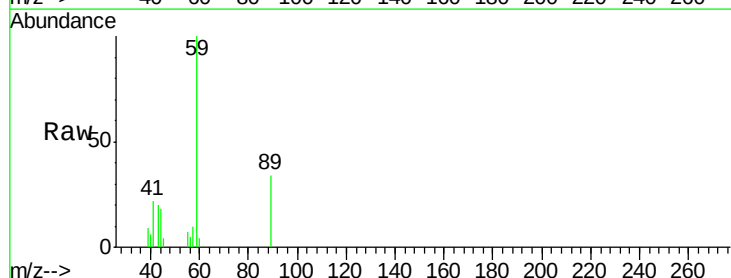
Acq: 18 Jun 2018 17:49

Tgt Ion: 59 Resp: 5644

Ion Ratio Lower Upper

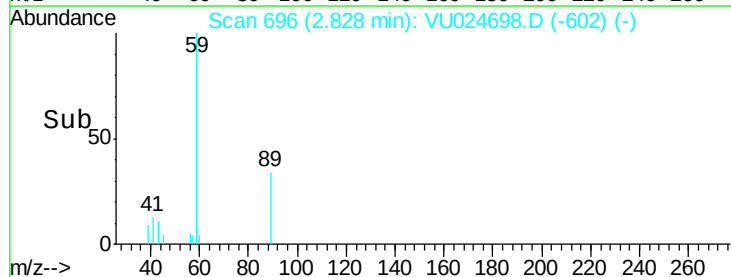
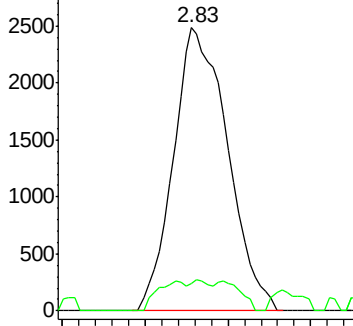
59 100

57 5.6 8.5 12.7#

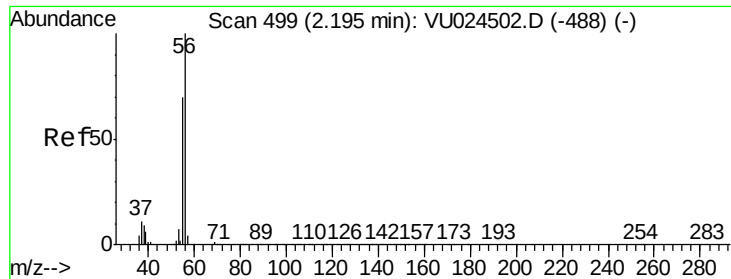


Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



Time-->



#13

Acrolein

Concen: 0.265 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

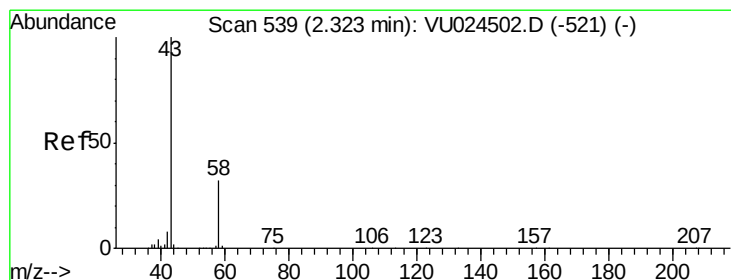
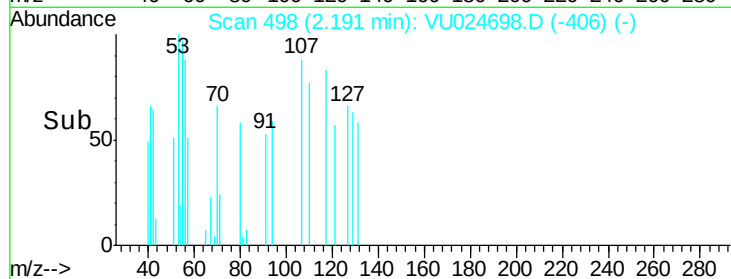
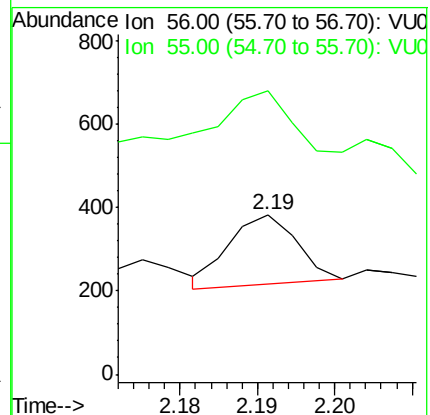
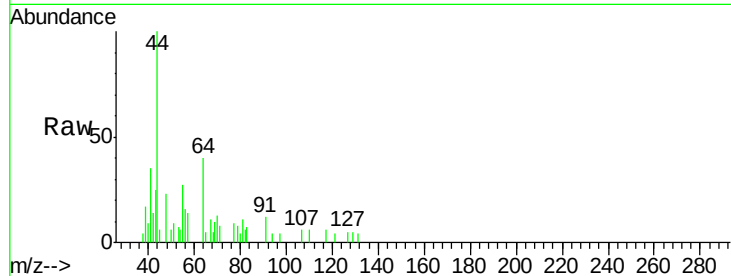
T11-MW-15-8.0-061218

Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 331.7 58.4 87.6#



#16

Acetone

Concen: 7.812 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024698.D

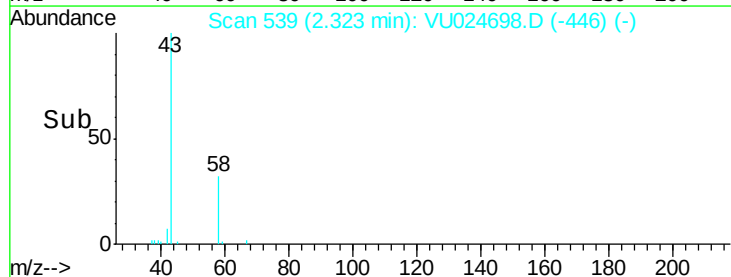
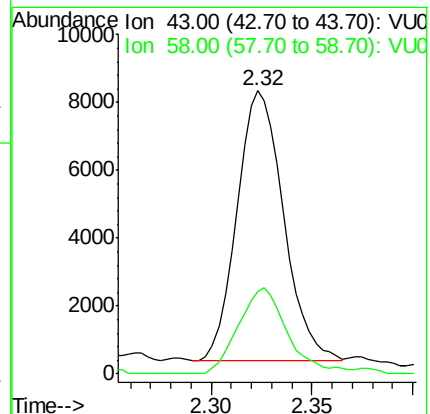
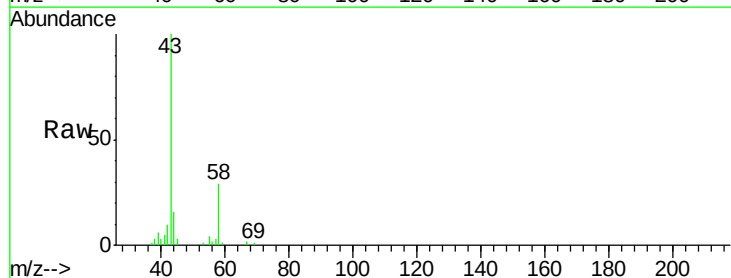
Acq: 18 Jun 2018 17:49

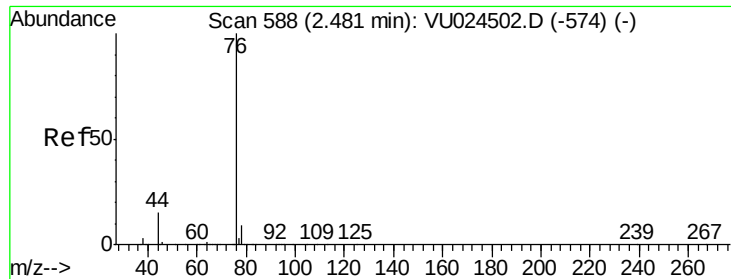
Tgt Ion: 43 Resp: 12918

Ion Ratio Lower Upper

43 100

58 30.7 24.4 36.6





#17

Carbon Disulfide

Concen: 0.225 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

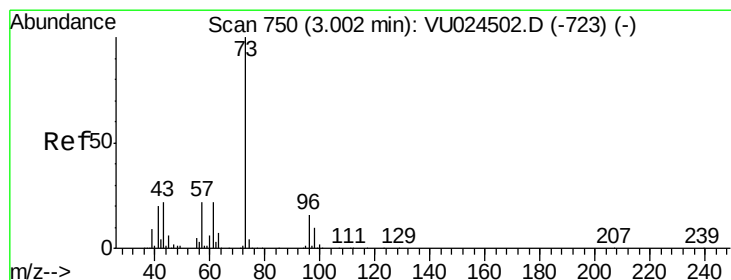
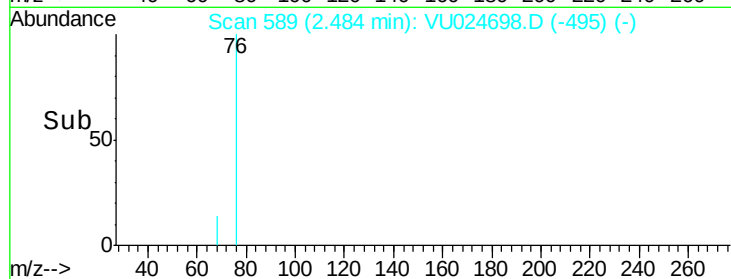
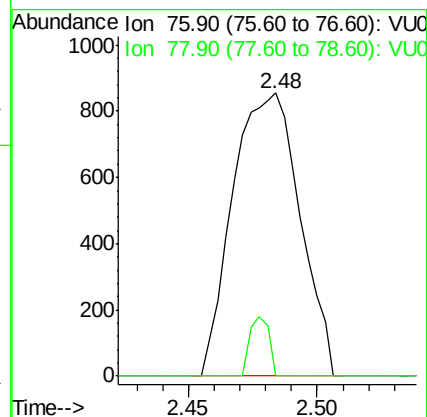
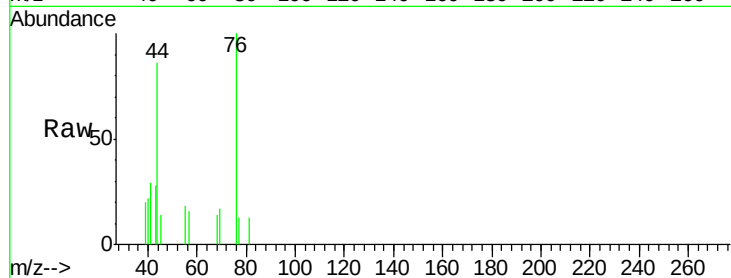
T11-MW-15-8.0-061218

Tgt Ion: 76 Resp: 1547

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#19

Methyl tert-butyl Ether

Concen: 4.542 ug/l

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU024698.D

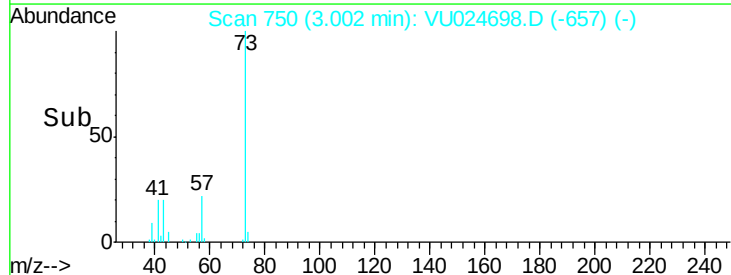
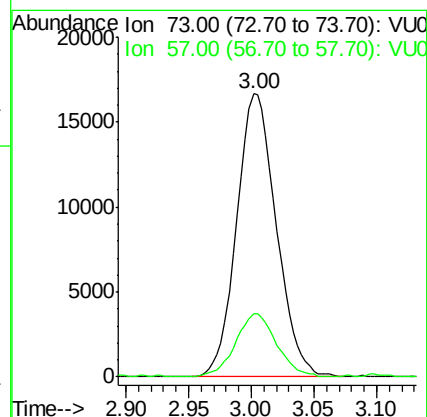
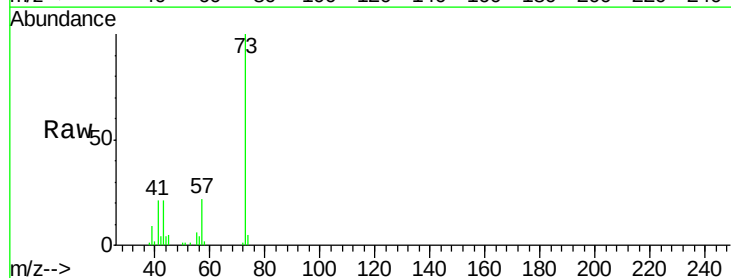
Acq: 18 Jun 2018 17:49

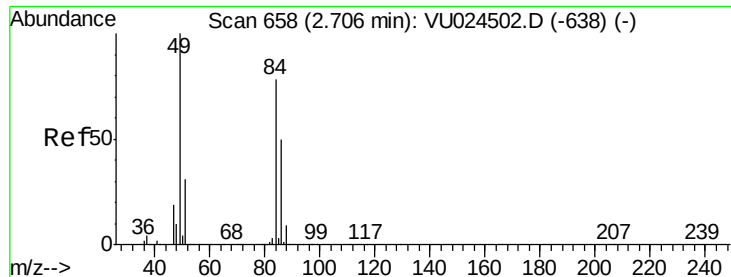
Tgt Ion: 73 Resp: 36651

Ion Ratio Lower Upper

73 100

57 22.4 18.8 28.2

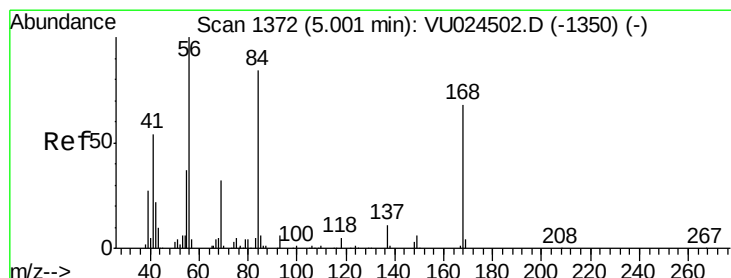
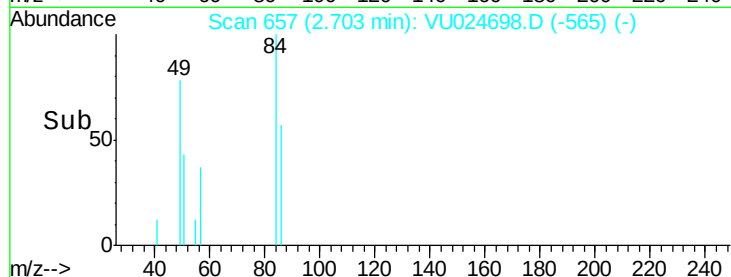
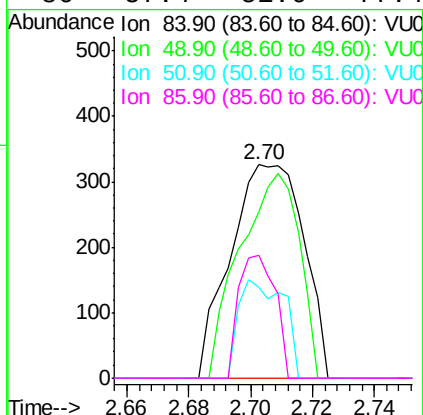
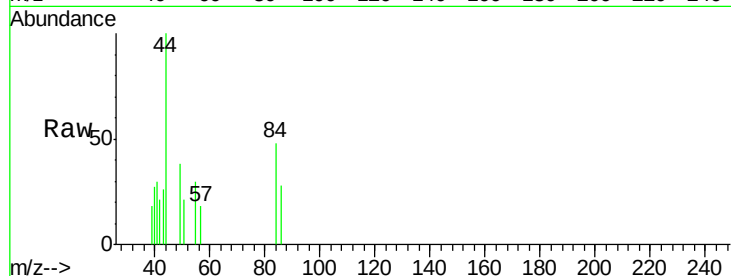




#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024698.D
Acq: 18 Jun 2018 17:49

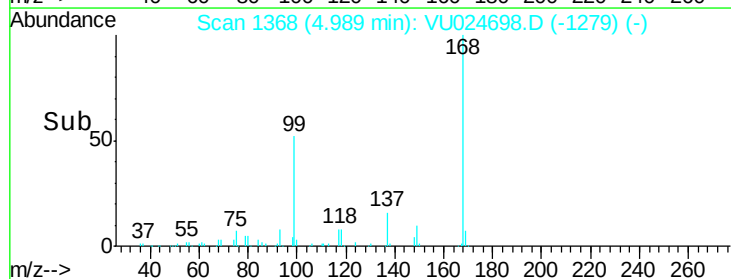
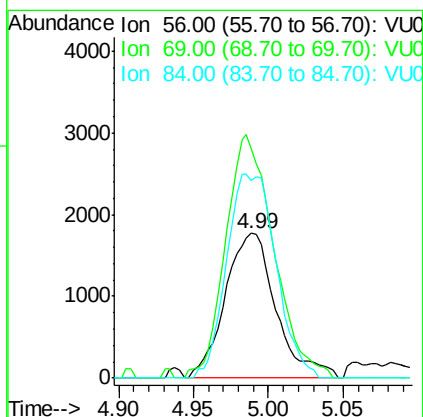
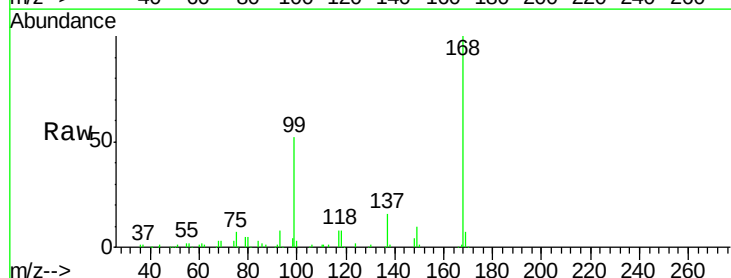
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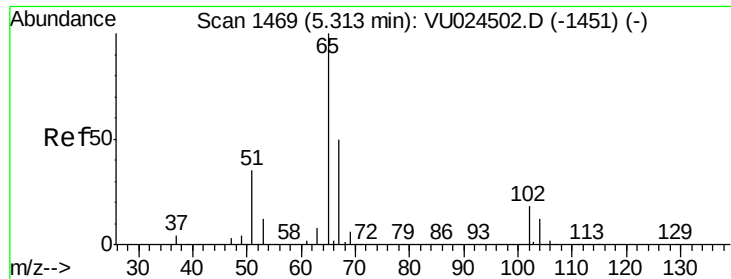
Tgt Ion:	84	Resp:	538
Ion	Ratio	Lower	Upper
84	100		
49	77.9	103.8	155.8#
51	42.6	32.0	48.0
86	57.4	51.6	77.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024698.D
Acq: 18 Jun 2018 17:49

Tgt Ion:	56	Resp:	4202
Ion	Ratio	Lower	Upper
56	100		
69	158.5	24.8	37.2#
84	136.0	65.2	97.8#

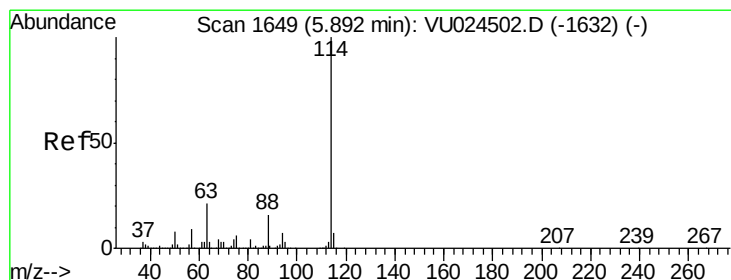
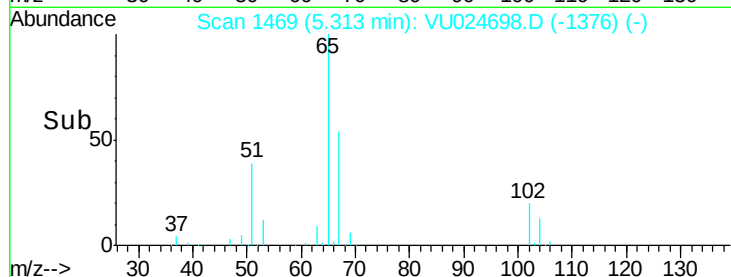
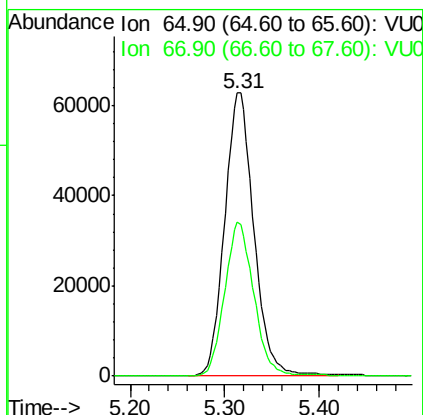
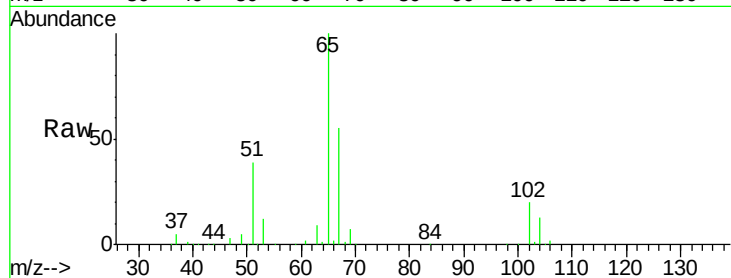




#33
 1,2-Dichloroethane-d4
 Concen: 43.799 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024698.D
 Acq: 18 Jun 2018 17:49

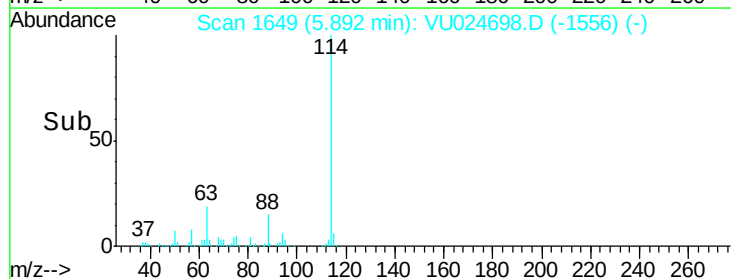
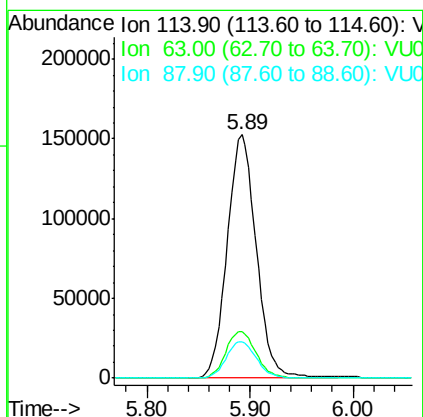
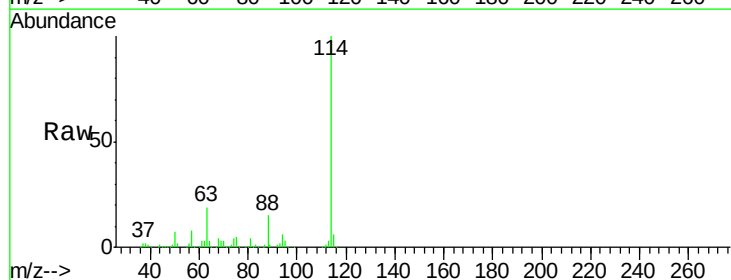
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-15-8.0-061218

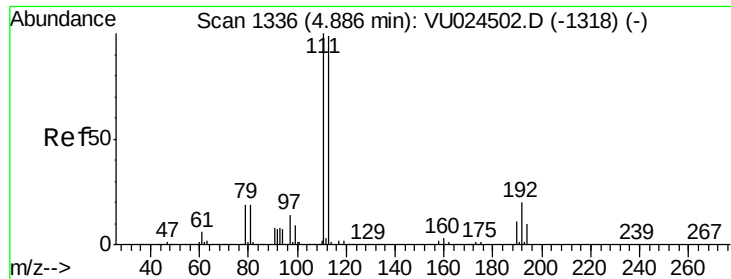
Tgt Ion: 65 Resp: 134797
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024698.D
 Acq: 18 Jun 2018 17:49

Tgt Ion: 114 Resp: 300663
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 45.4
 88 15.1 0.0 31.0

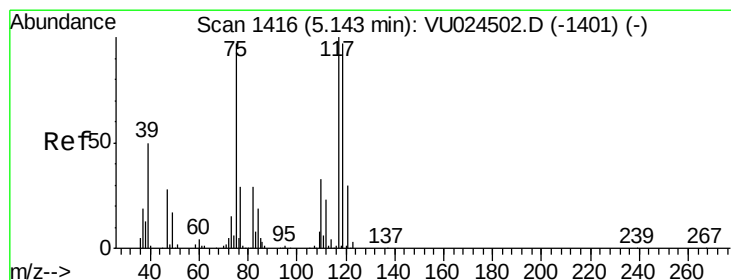
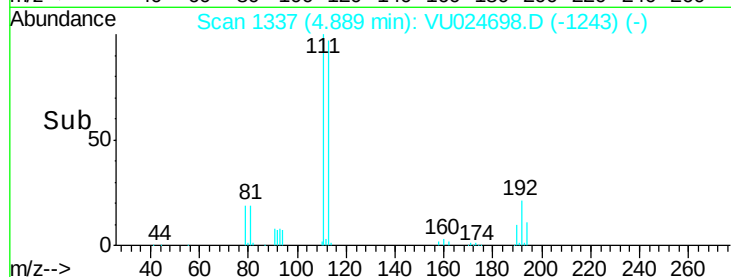
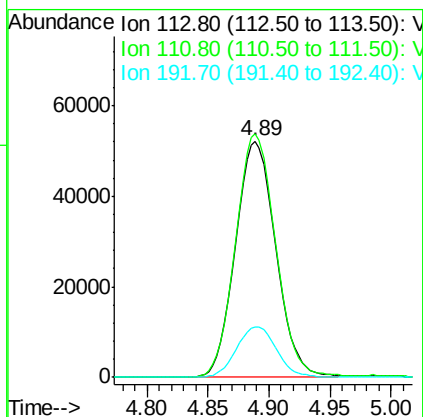
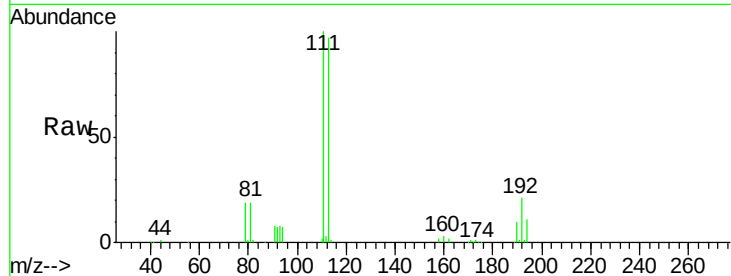




#35
 Dibromofluoromethane
 Concen: 47.903 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024698.D
 Acq: 18 Jun 2018 17:49

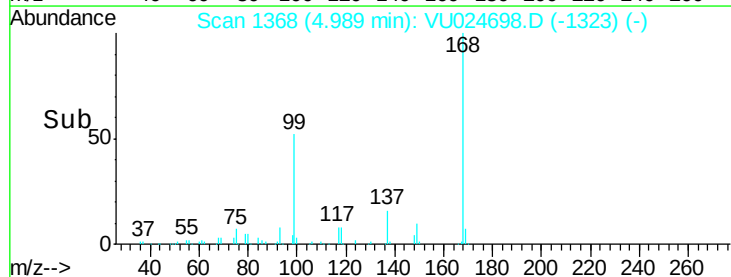
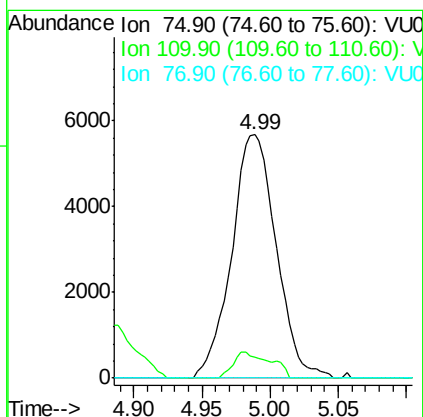
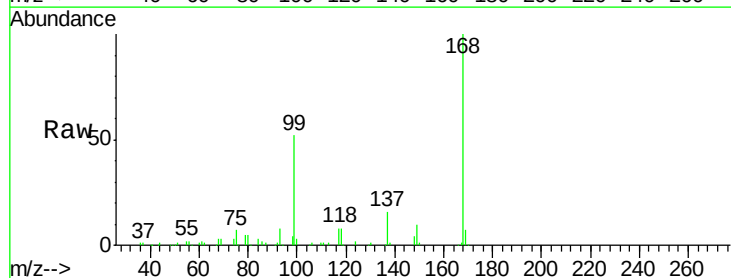
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-15-8.0-061218

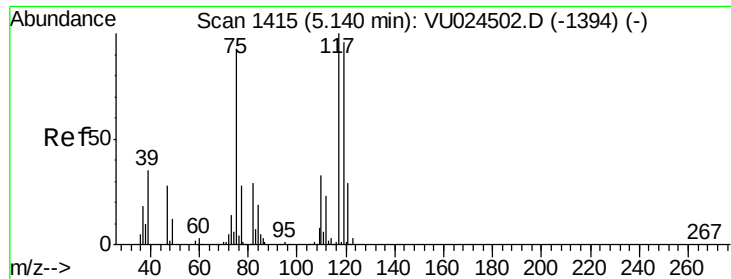
Tgt Ion:113 Resp: 119532
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 21.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 3.645 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024698.D
 Acq: 18 Jun 2018 17:49

Tgt Ion: 75 Resp: 12877
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.467 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-15-8.0-061218

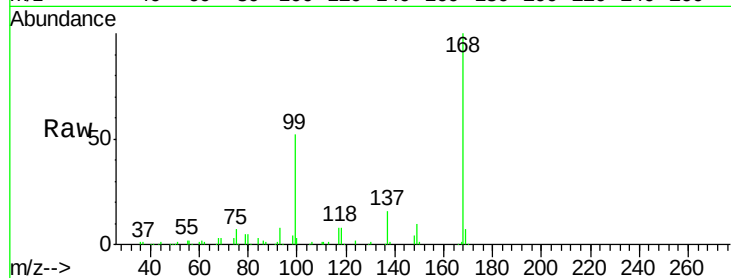
Tgt Ion:117 Resp: 17354

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

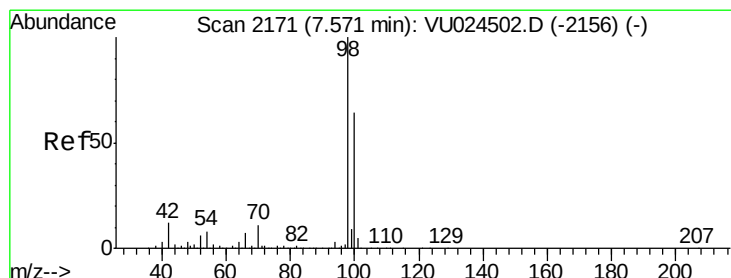
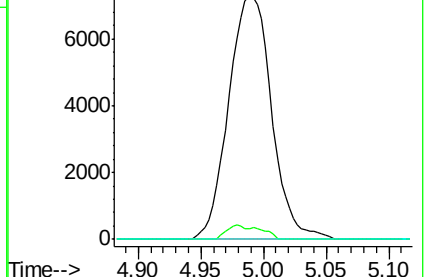
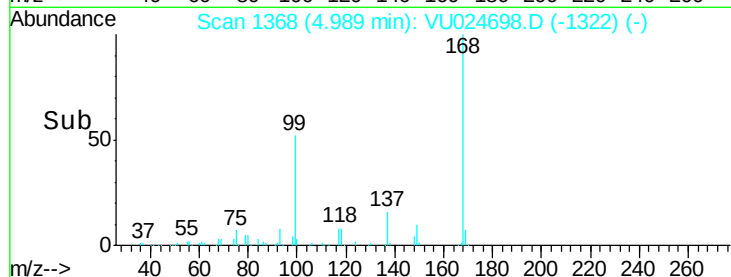
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.193 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024698.D

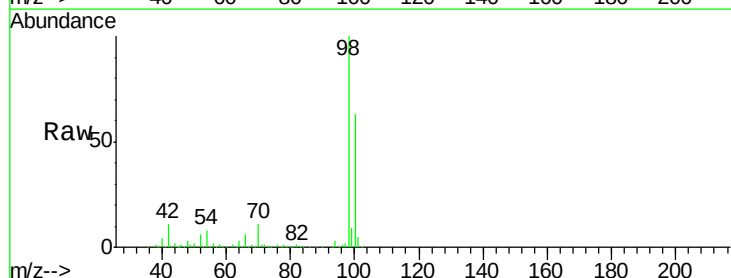
Acq: 18 Jun 2018 17:49

Tgt Ion: 98 Resp: 438640

Ion Ratio Lower Upper

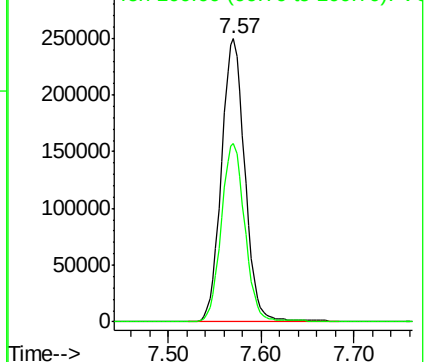
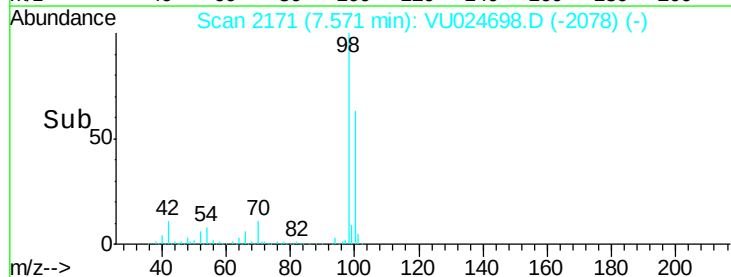
98 100

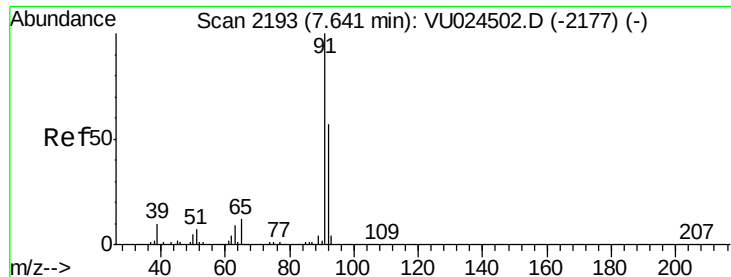
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 1.448 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

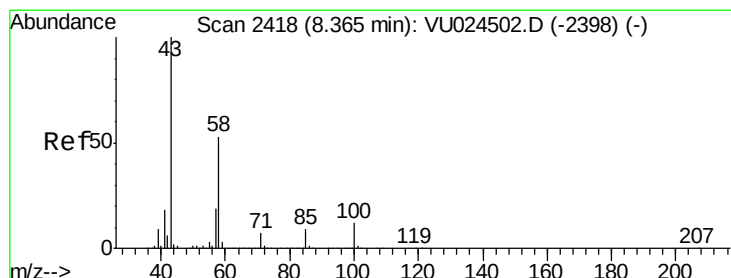
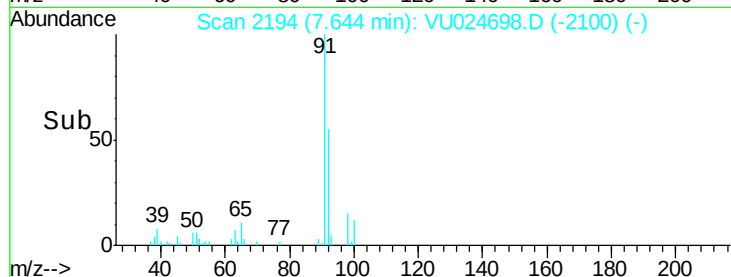
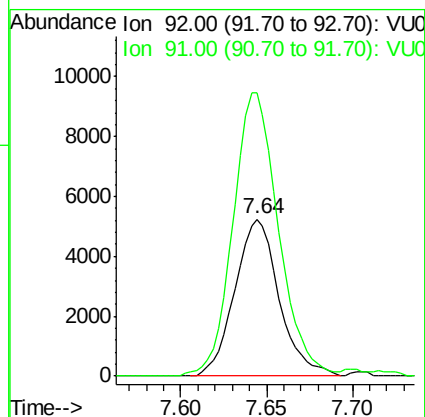
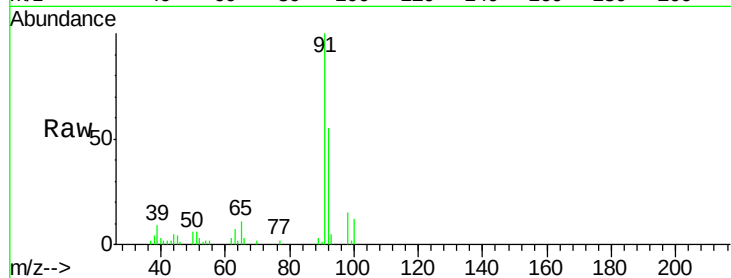
T11-MW-15-8.0-061218

Tgt Ion: 92 Resp: 9379

Ion Ratio Lower Upper

92 100

91 184.9 140.5 210.7



#59

2-Hexanone

Concen: 0.717 ug/l

RT: 8.17 min Scan# 2356

Delta R.T. -0.20 min

Lab File: VU024698.D

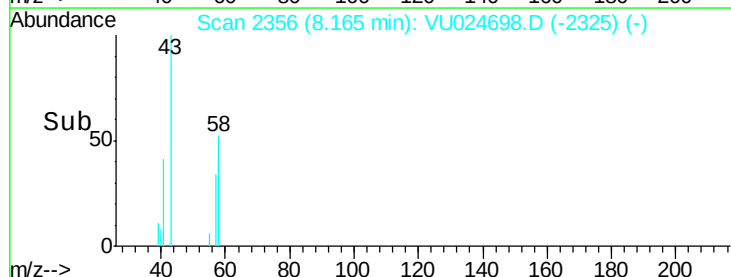
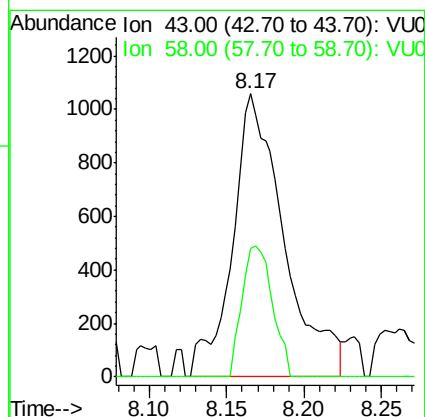
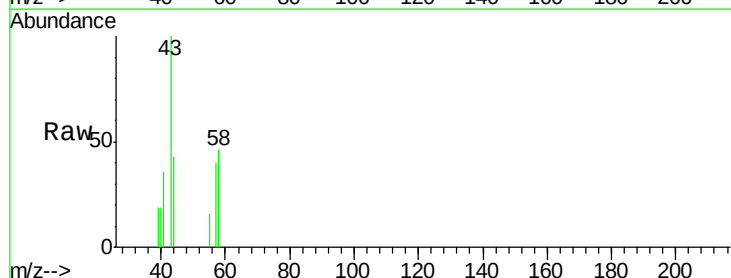
Acq: 18 Jun 2018 17:49

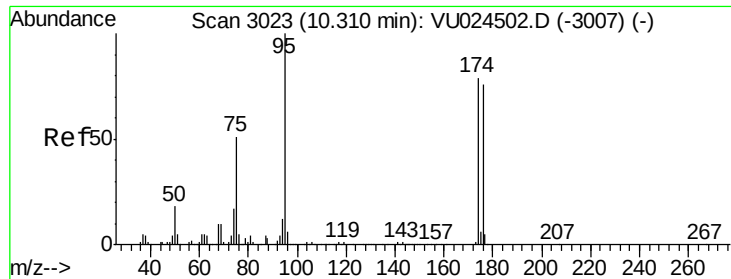
Tgt Ion: 43 Resp: 2448

Ion Ratio Lower Upper

43 100

58 27.3 26.4 79.0

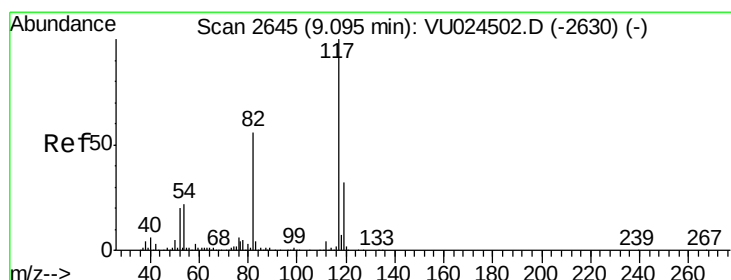
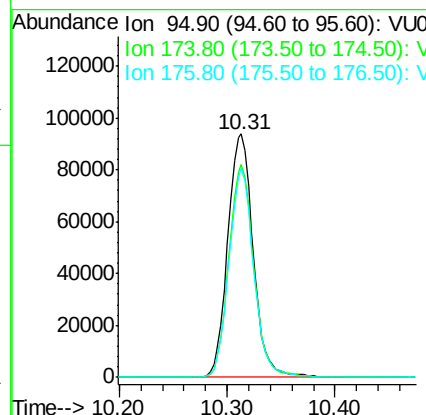
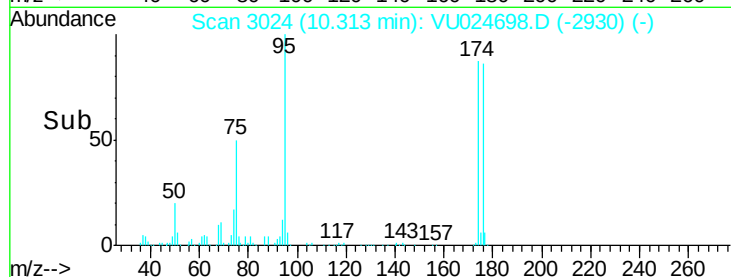
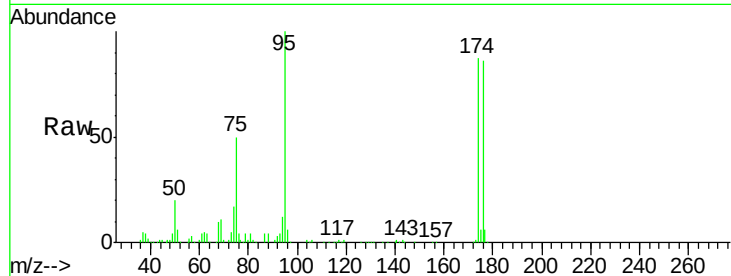




#62
4-Bromofluorobenzene
Concen: 42.654 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024698.D
Acq: 18 Jun 2018 17:49

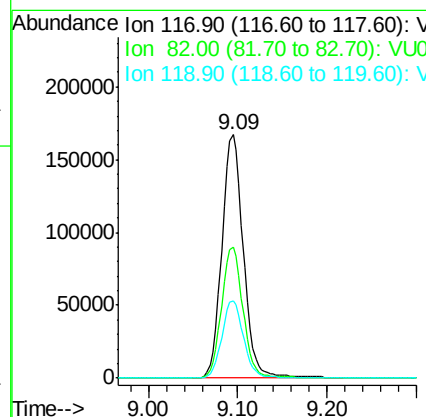
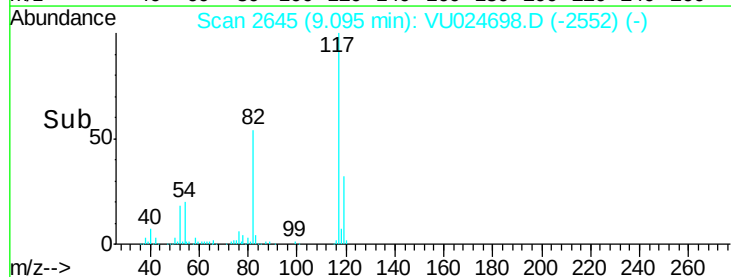
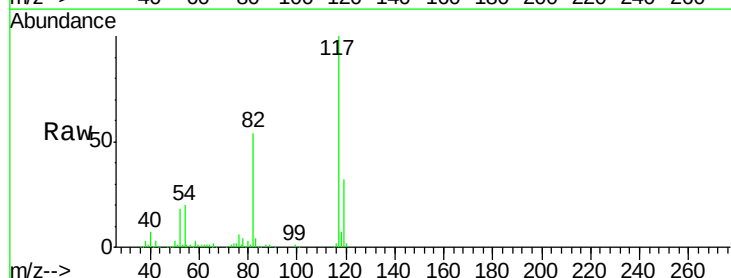
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-15-8.0-061218

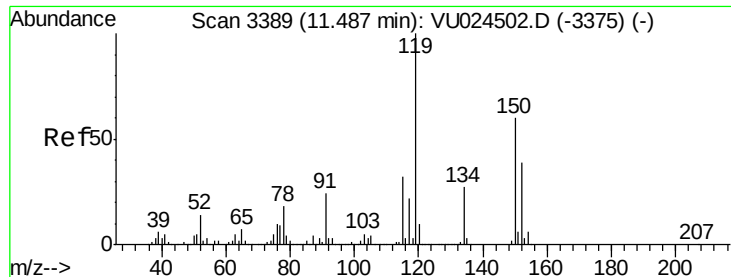
Tgt Ion: 95 Resp: 154142
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.8
176 83.8 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024698.D
Acq: 18 Jun 2018 17:49

Tgt Ion: 117 Resp: 278959
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.8 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: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-15-8.0-061218

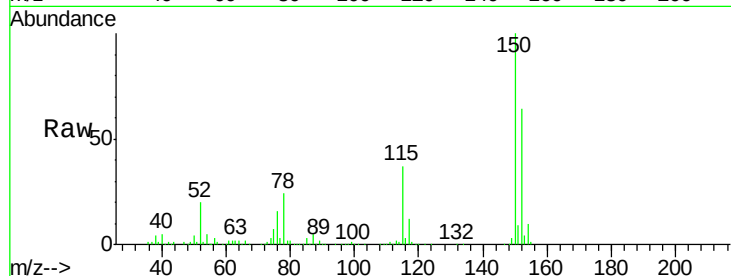
Tgt Ion:152 Resp: 143494

Ion Ratio Lower Upper

152 100

115 57.1 43.0 129.0

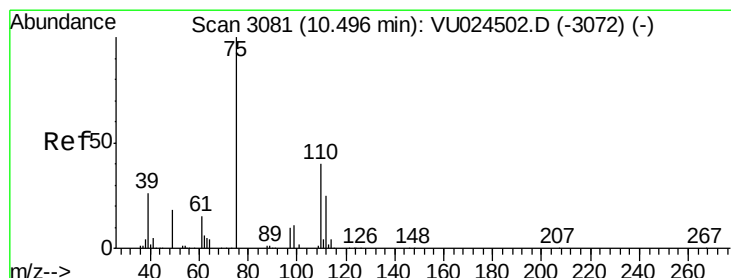
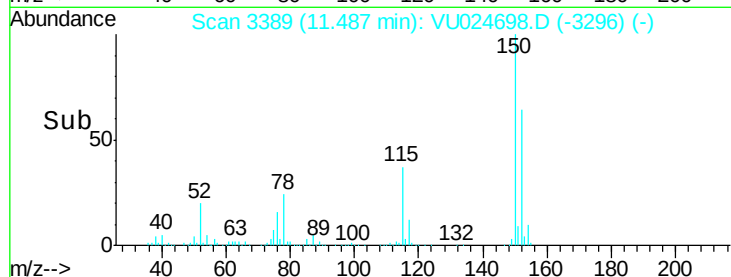
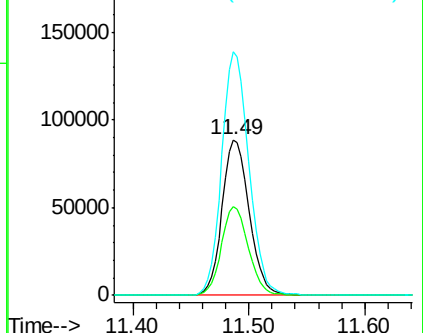
150 156.6 0.0 354.0



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: 24.166 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024698.D

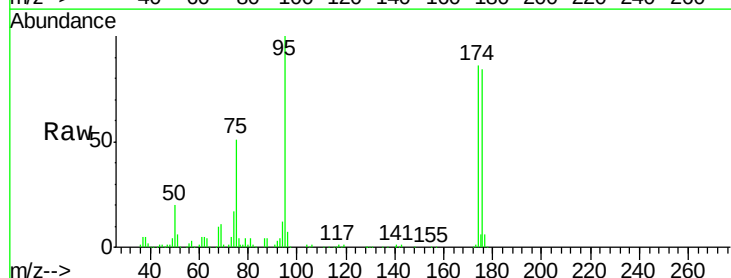
Acq: 18 Jun 2018 17:49

Tgt Ion: 75 Resp: 76345

Ion Ratio Lower Upper

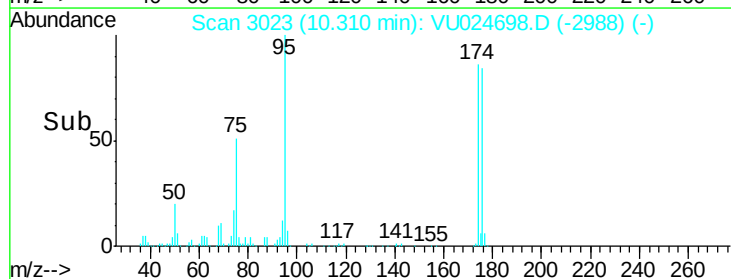
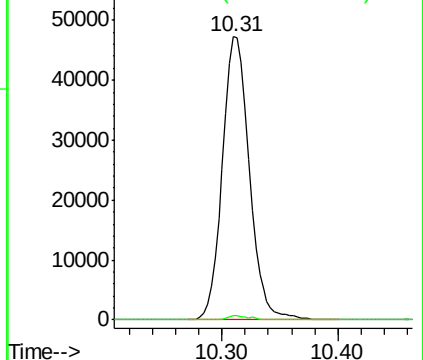
75 100

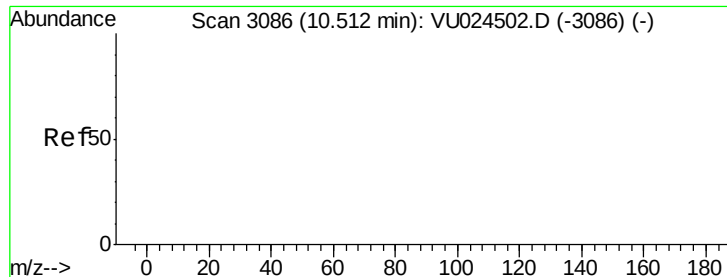
77 1.3 20.9 62.7#



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: 55.930 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-15-8.0-061218

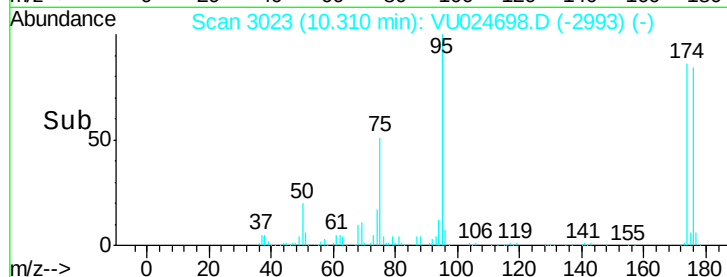
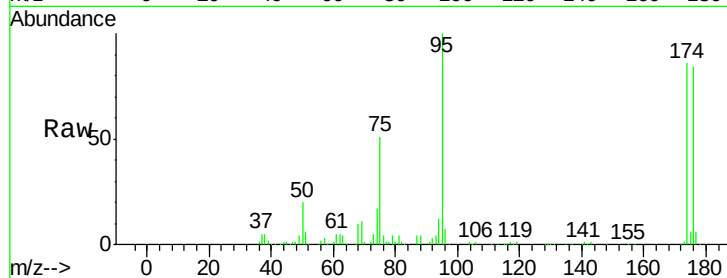
Tgt Ion: 75 Resp: 76345

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

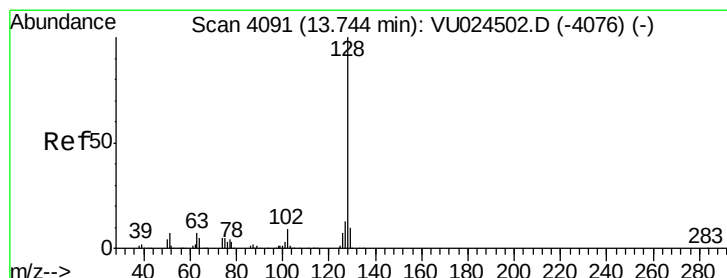
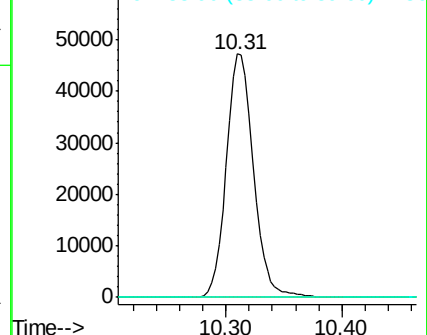
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024698.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024698.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024698.D (-2993) (-)



#95

Naphthalene

Concen: 1.087 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU024698.D

Acq: 18 Jun 2018 17:49

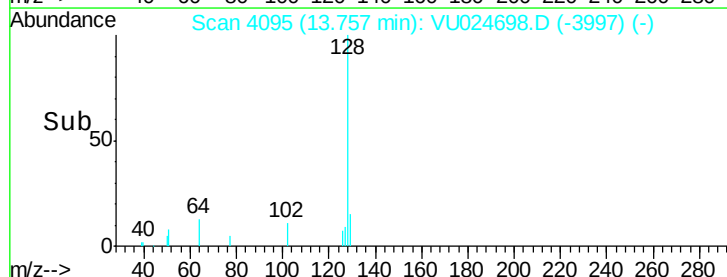
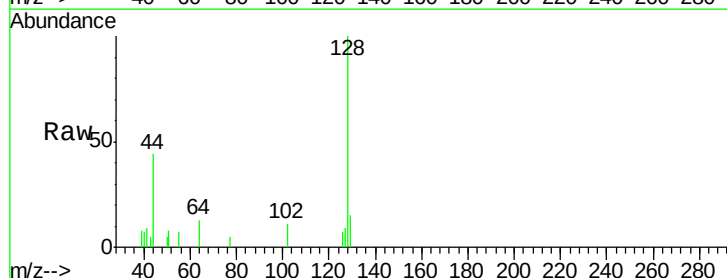
Tgt Ion: 128 Resp: 4358

Ion Ratio Lower Upper

128 100

127 6.4 10.6 16.0#

129 11.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU024698.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024698.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024698.D (-3997) (-)

