

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024700.D
 Acq On : 18 Jun 2018 18:38
 Operator : MD/SY
 Sample : J3463-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-3-8.0-061218

Quant Time: Jun 19 05:14:23 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	192366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305666	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148070	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	134732	42.90	ug/l	0.00
Spiked Amount			Recovery	=	85.80%	
35) Dibromofluoromethane	4.89	113	121456	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	7.57	98	445740	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	10.31	95	157417	42.85	ug/l	0.00
Spiked Amount			Recovery	=	85.70%	

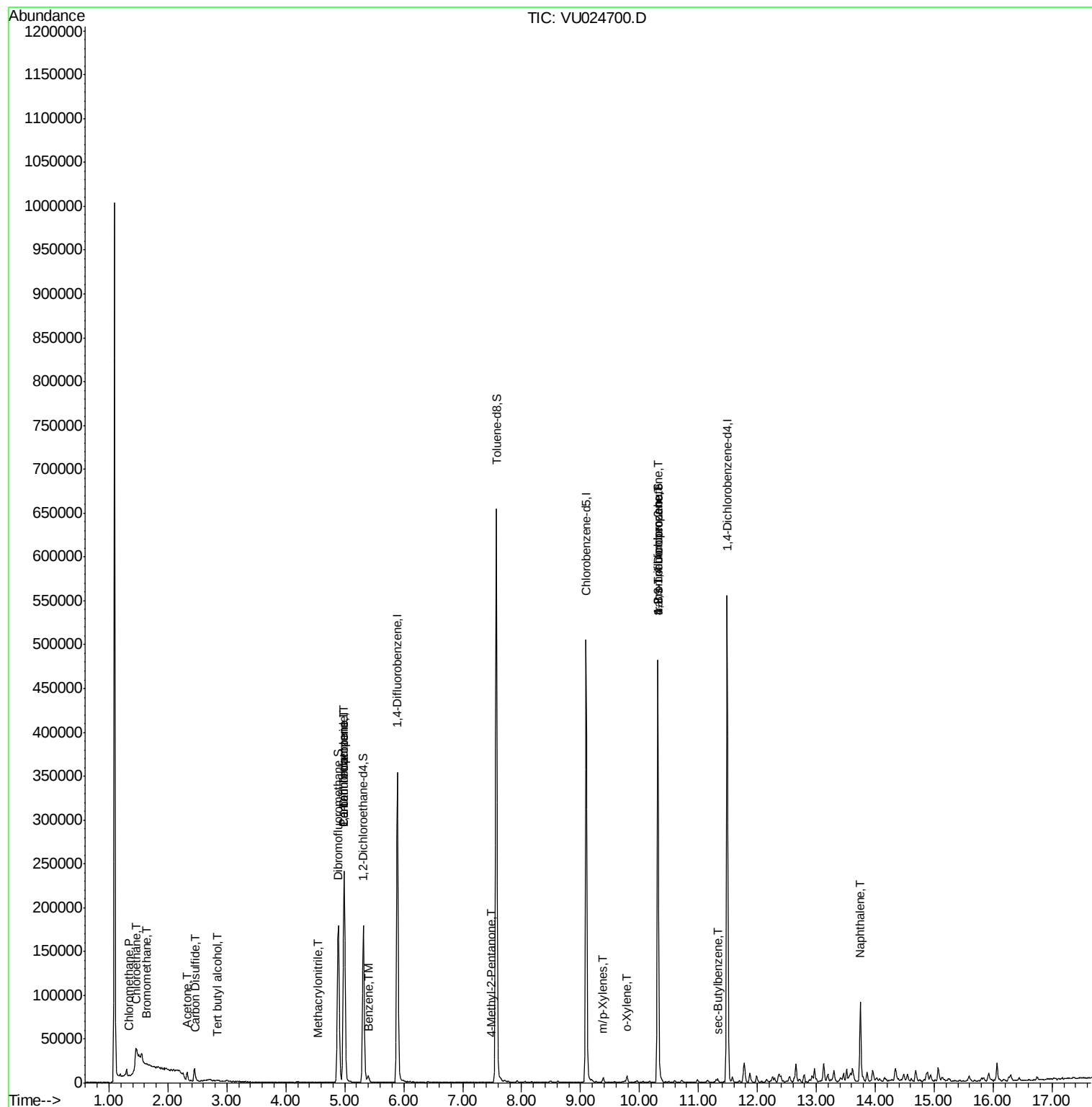
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	598	0.243	ug/l #	81
5) Bromomethane	1.64	94	547	0.446	ug/l #	69
6) Chloroethane	1.46	64	95017	67.394	ug/l #	53
8) Diethyl Ether	2.19	74	66	Below Cal		53
11) Tert butyl alcohol	2.83	59	761	0.996	ug/l #	90
16) Acetone	2.32	43	10148	6.014	ug/l	99
17) Carbon Disulfide	2.48	76	1915	0.273	ug/l #	90
31) Cyclohexane	4.99	56	4423	Below Cal	#	33
36) 1,1-Dichloropropene	4.99	75	13253	3.690	ug/l #	52
38) Carbon Tetrachloride	4.99	117	17419	4.410	ug/l #	16
40) Benzene	5.40	78	6458	0.631	ug/l	100
41) Methacrylonitrile	4.55	41	649	0.307	ug/l #	27
51) 4-Methyl-2-Pentanone	7.48	43	887	0.209	ug/l #	60
68) m/p-Xylenes	9.38	106	1461	0.303	ug/l	96
69) o-Xylene	9.78	106	2051	0.429	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	78702	24.142	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	78702	55.875	ug/l #	100
85) sec-Butylbenzene	11.33	105	2662	0.224	ug/l	91
95) Naphthalene	13.75	128	71532	7.160	ug/l	99

(#) = 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: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

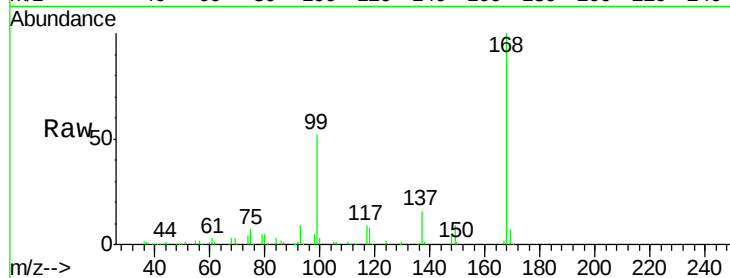
T11-MW-3-8.0-061218

Tgt Ion:168 Resp: 192366

Ion Ratio Lower Upper

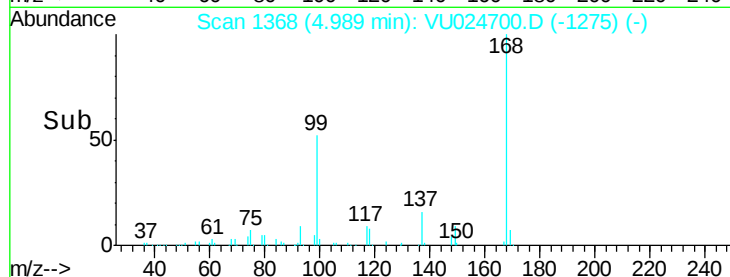
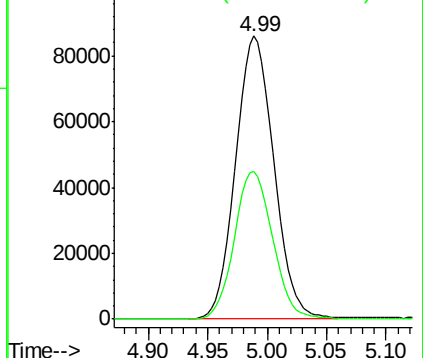
168 100

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: 0.243 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024700.D

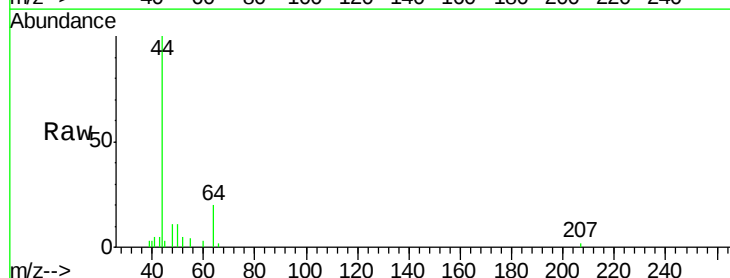
Acq: 18 Jun 2018 18:38

Tgt Ion: 50 Resp: 598

Ion Ratio Lower Upper

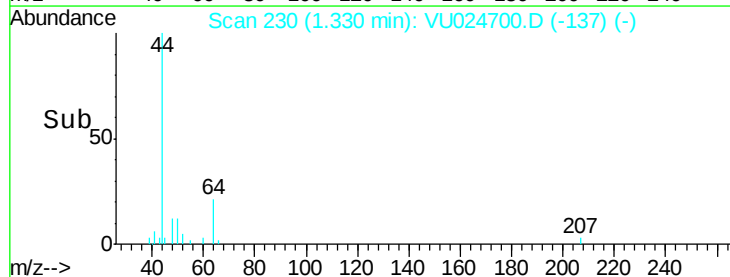
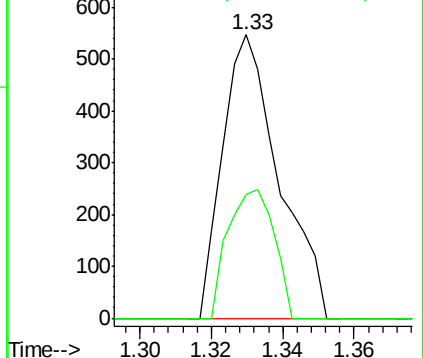
50 100

52 43.5 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: 0.446 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

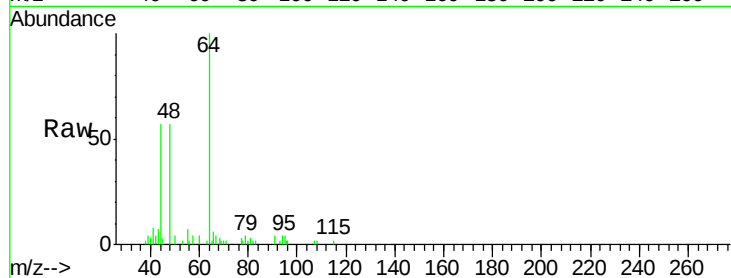
T11-MW-3-8.0-061218

Tgt Ion: 94 Resp: 547

Ion Ratio Lower Upper

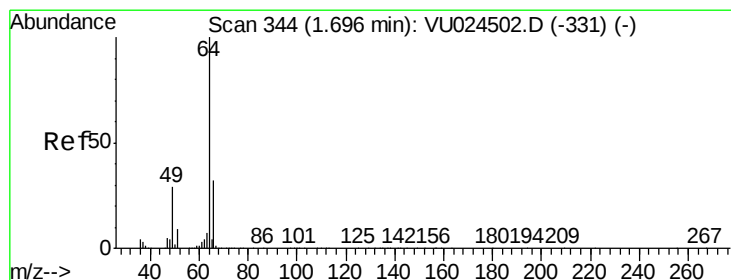
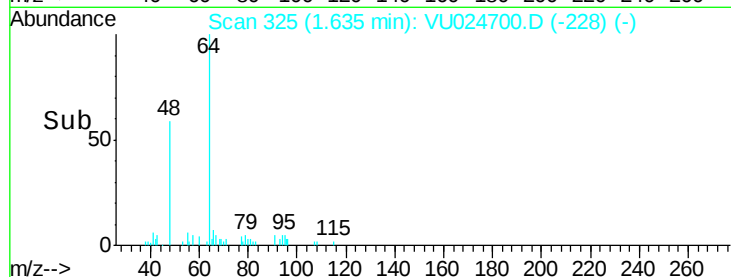
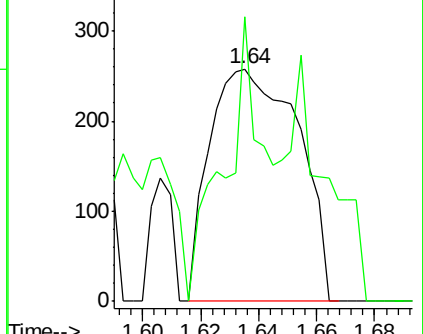
94 100

96 122.5 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: 67.394 ug/l

RT: 1.46 min Scan# 269

Delta R.T. -0.24 min

Lab File: VU024700.D

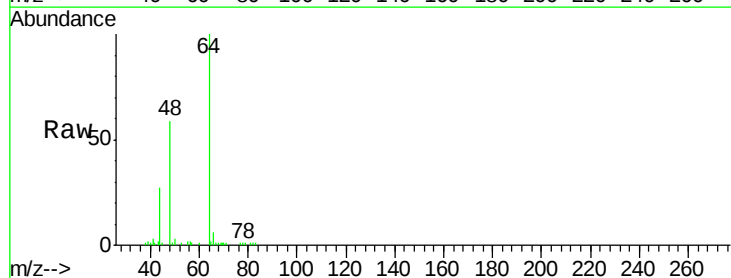
Acq: 18 Jun 2018 18:38

Tgt Ion: 64 Resp: 95017

Ion Ratio Lower Upper

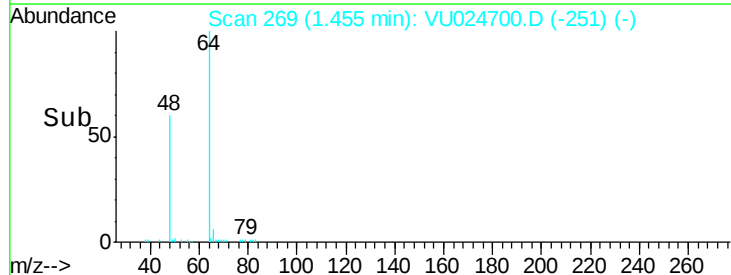
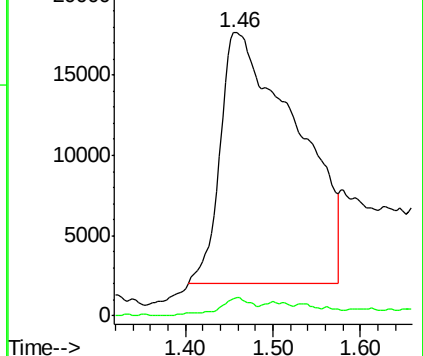
64 100

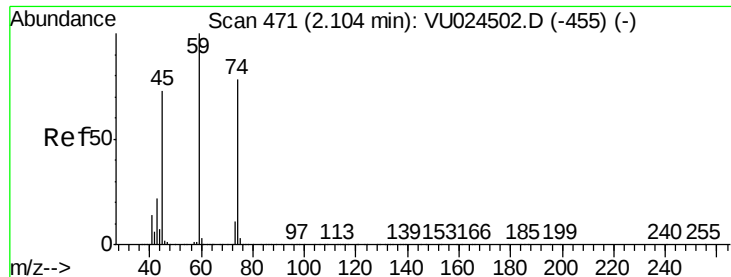
66 5.6 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 496

Delta R.T. 0.08 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

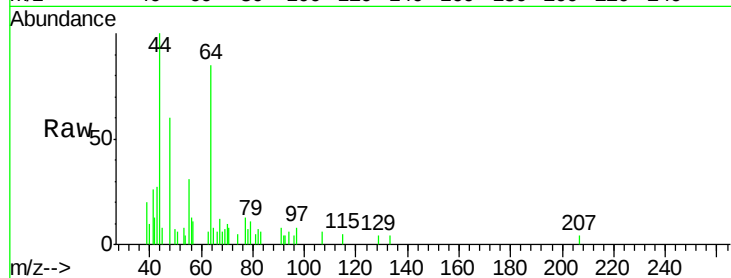
T11-MW-3-8.0-061218

Tgt Ion: 74 Resp: 66

Ion Ratio Lower Upper

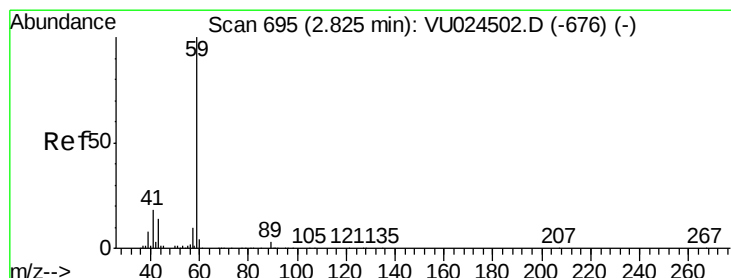
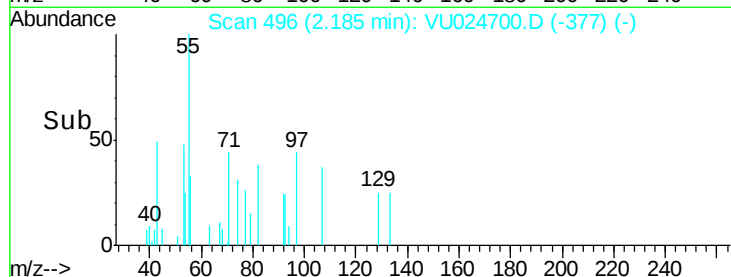
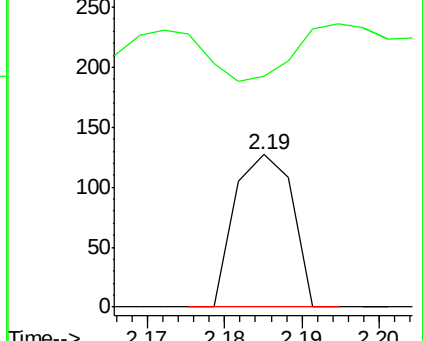
74 100

45 60.6 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#11

Tert butyl alcohol

Concen: 0.996 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU024700.D

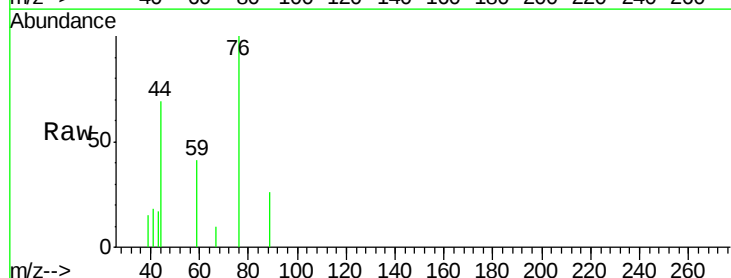
Acq: 18 Jun 2018 18:38

Tgt Ion: 59 Resp: 761

Ion Ratio Lower Upper

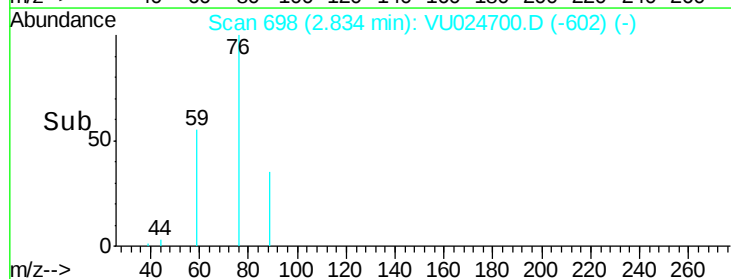
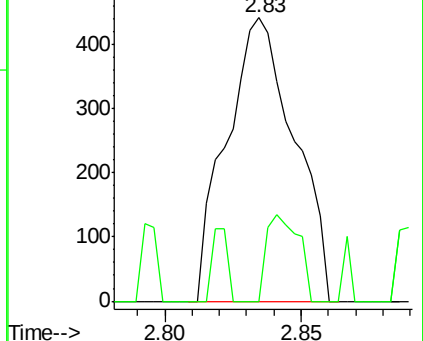
59 100

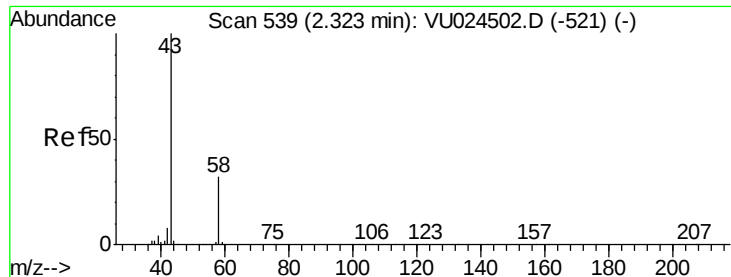
57 14.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 6.014 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

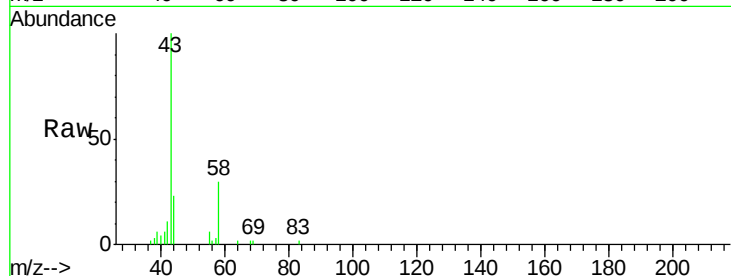
T11-MW-3-8.0-061218

Tgt Ion: 43 Resp: 10148

Ion Ratio Lower Upper

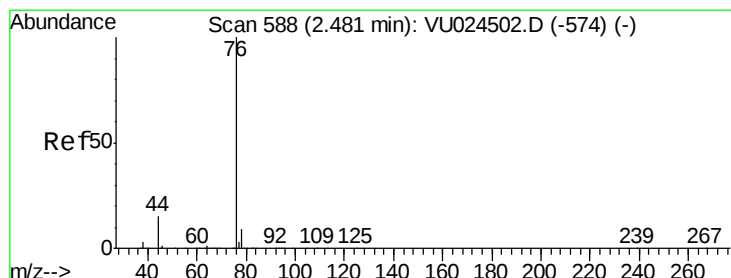
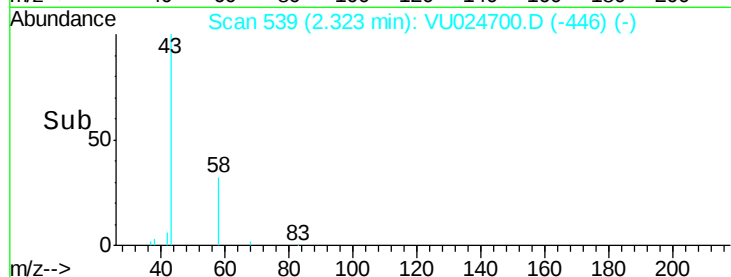
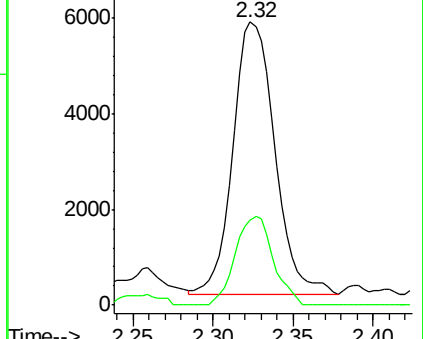
43 100

58 31.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024700.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024700.D (-446) (-)



#17

Carbon Disulfide

Concen: 0.273 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024700.D

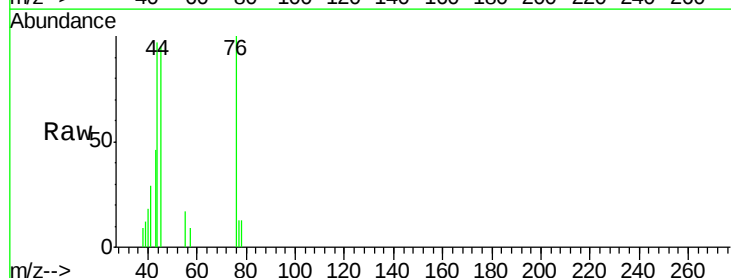
Acq: 18 Jun 2018 18:38

Tgt Ion: 76 Resp: 1915

Ion Ratio Lower Upper

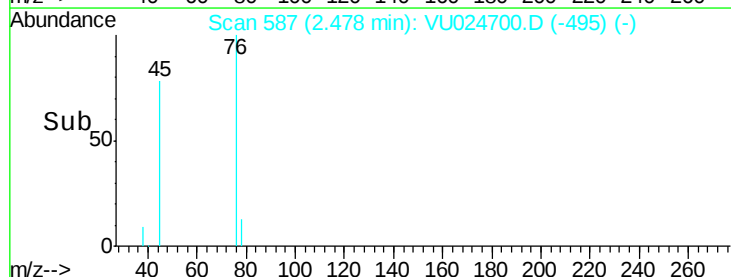
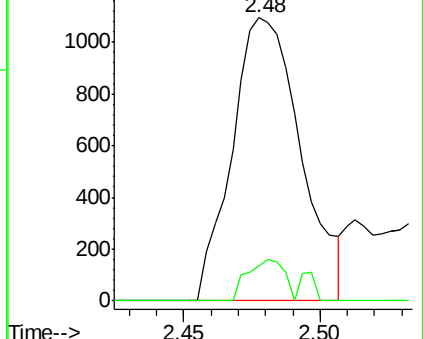
76 100

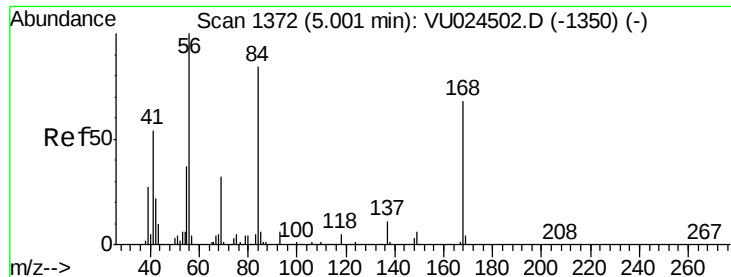
78 12.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU024700.D (-495) (-)

Ion 77.90 (77.60 to 78.60): VU024700.D (-495) (-)

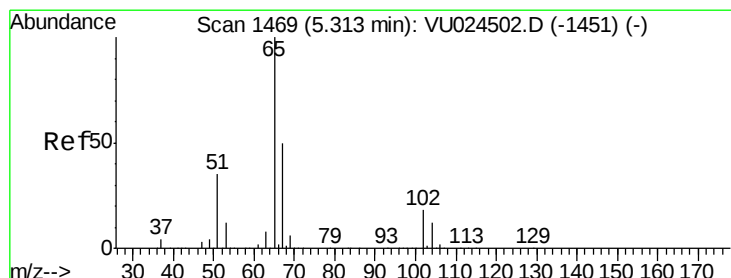
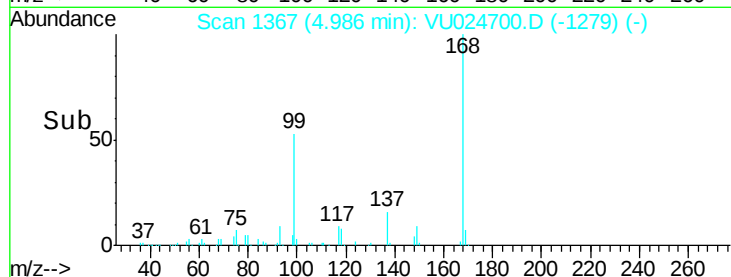
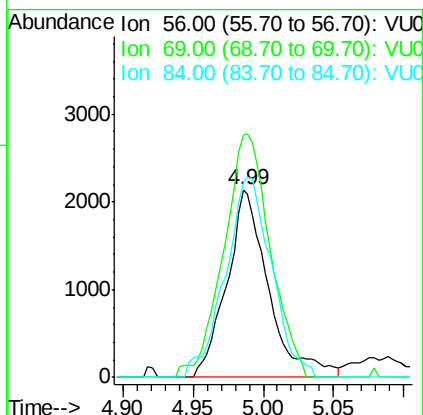
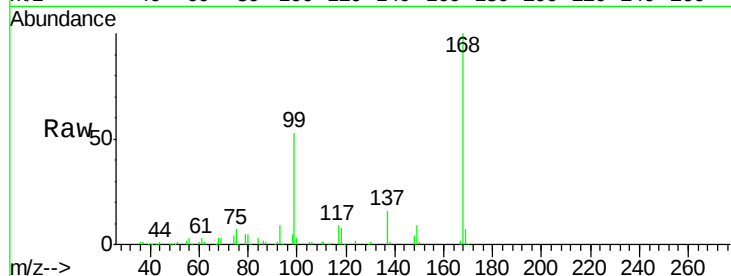




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

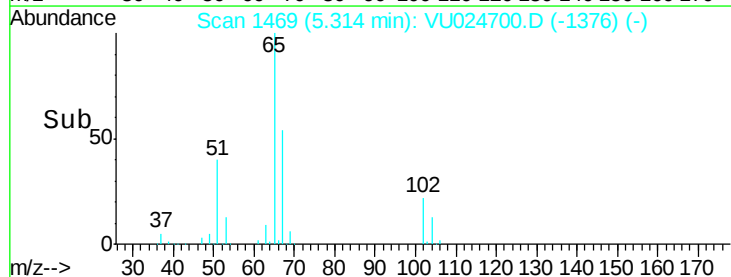
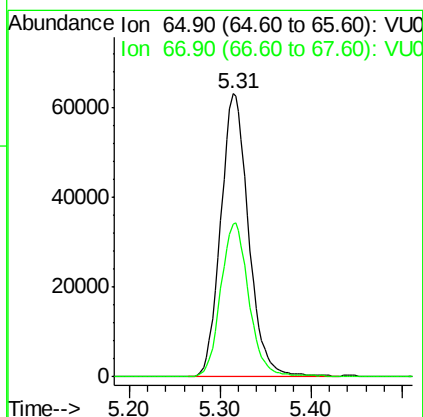
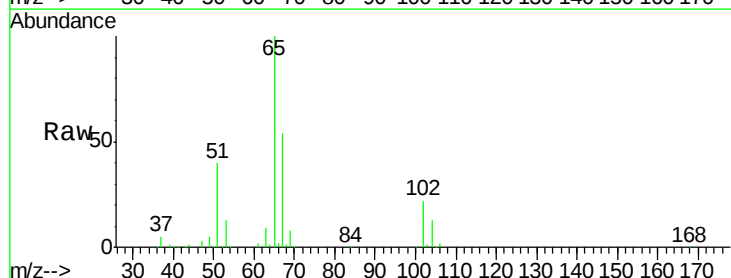
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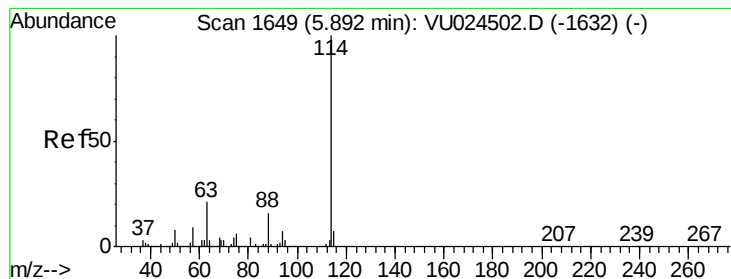
Tgt Ion: 56 Resp: 4423
Ion Ratio Lower Upper
56 100
69 129.1 24.8 37.2#
84 103.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 42.903 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

Tgt Ion: 65 Resp: 134732
Ion Ratio Lower Upper
65 100
67 54.4 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: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-3-8.0-061218

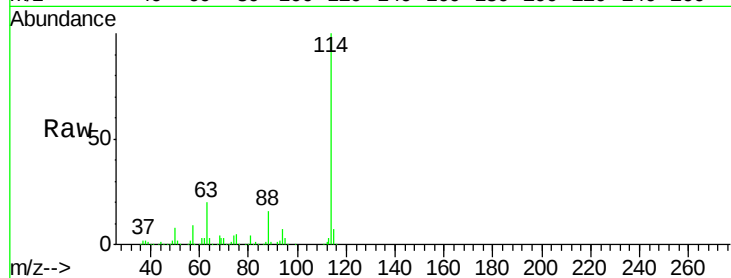
Tgt Ion:114 Resp: 305666

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

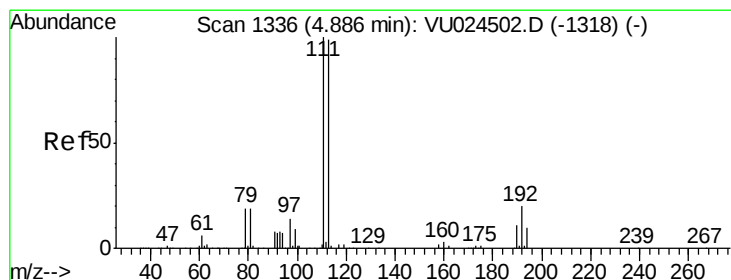
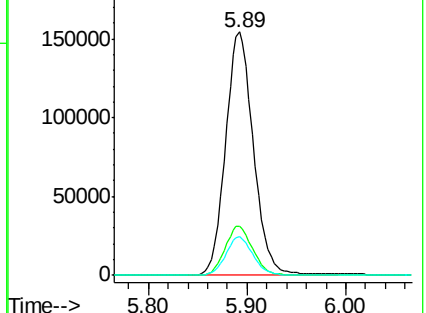
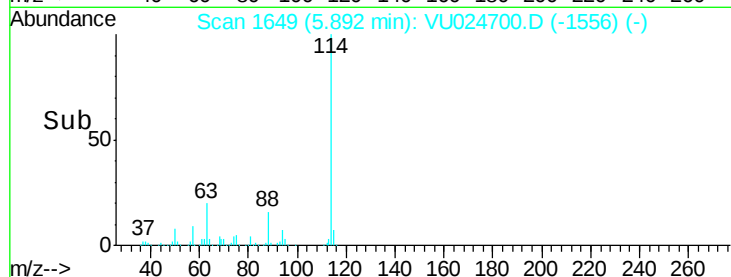
88 15.9 0.0 31.0



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: 47.878 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

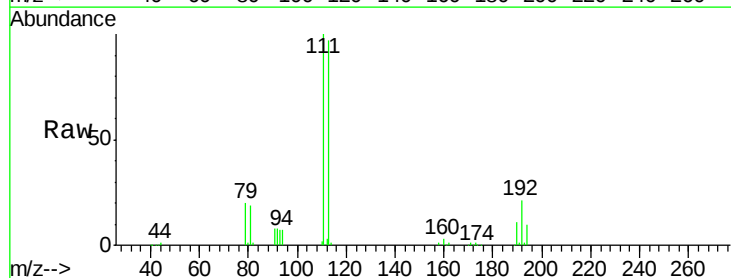
Tgt Ion:113 Resp: 121456

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

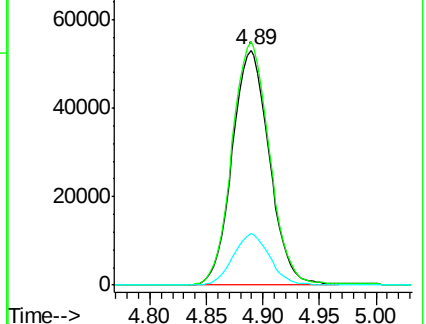
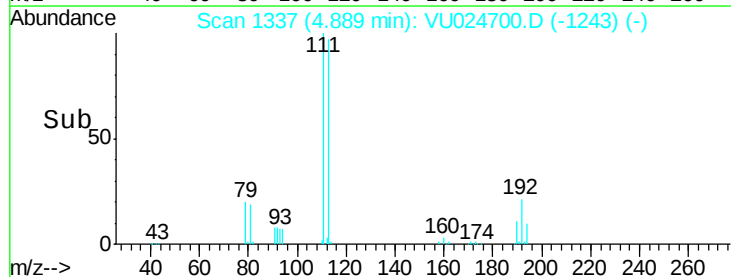
192 21.7 16.2 24.4

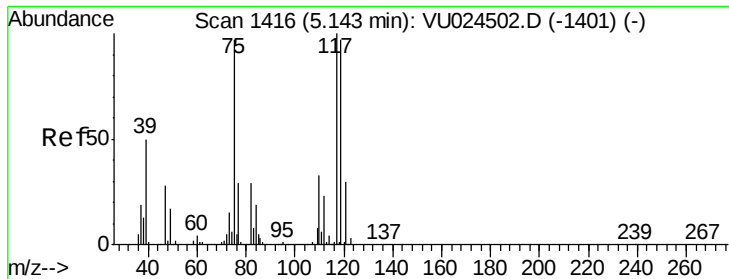


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

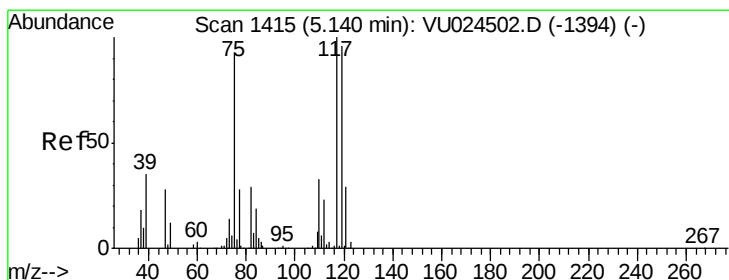
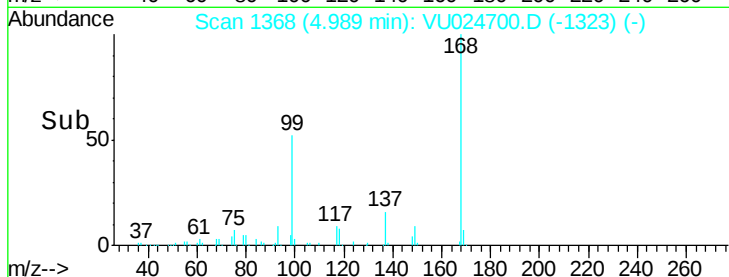
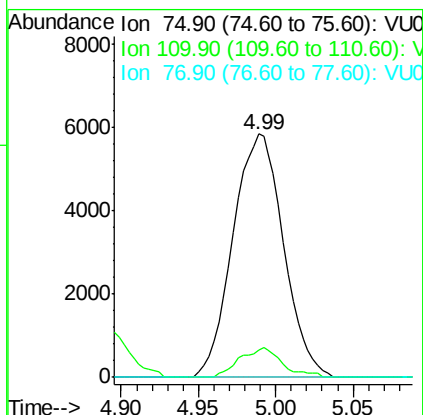
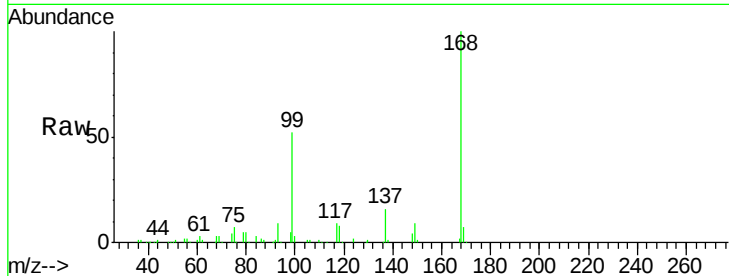




#36
 1,1-Dichloropropene
 Concen: 3.690 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024700.D
 Acq: 18 Jun 2018 18:38

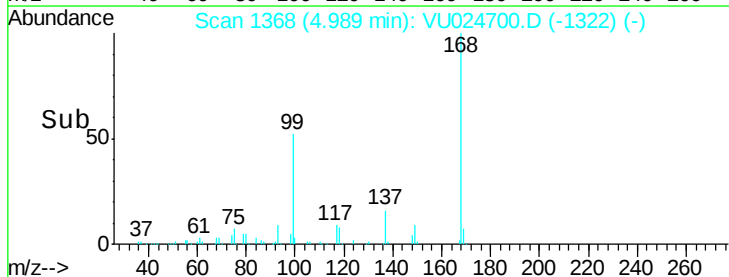
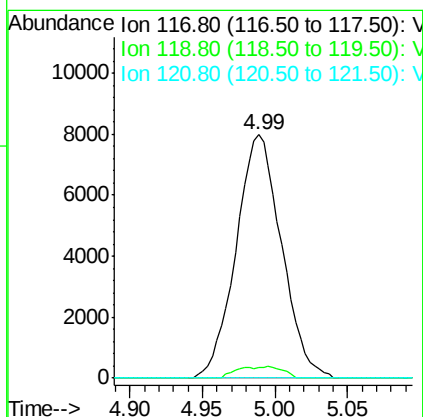
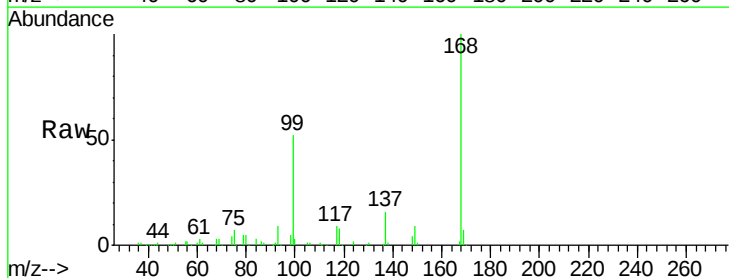
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-3-8.0-061218

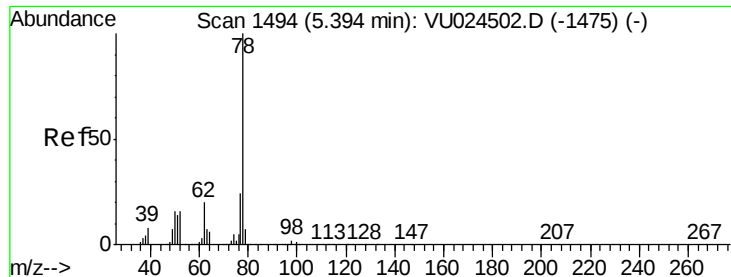
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.410 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024700.D
 Acq: 18 Jun 2018 18:38

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





#40

Benzene

Concen: 0.631 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

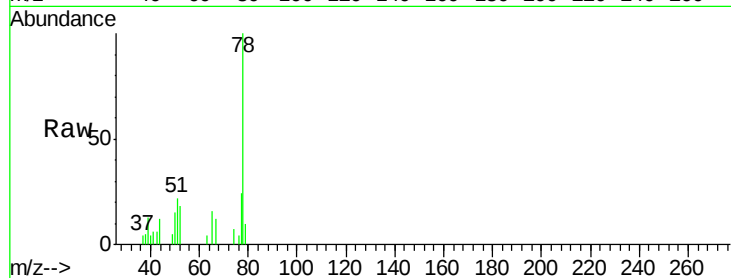
T11-MW-3-8.0-061218

Tgt Ion: 78 Resp: 6458

Ion Ratio Lower Upper

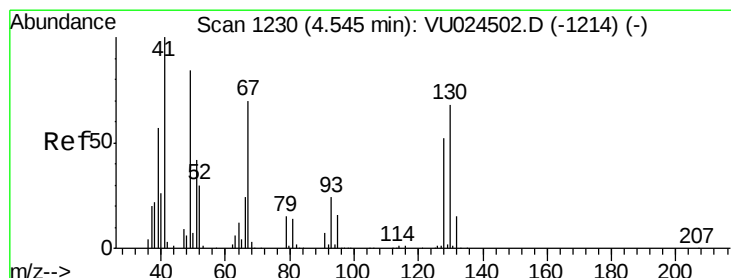
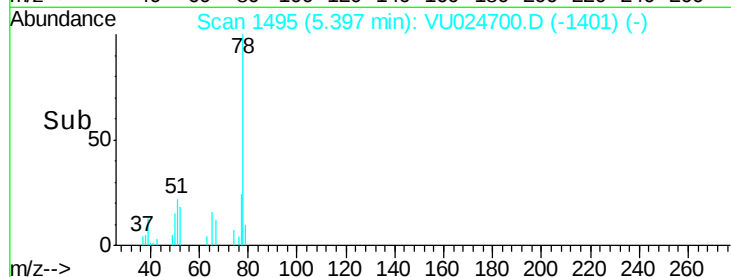
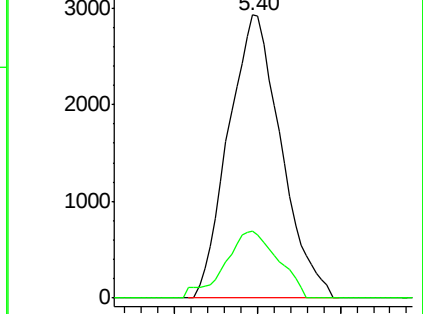
78 100

77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#41

Methacrylonitrile

Concen: 0.307 ug/l

RT: 4.55 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Tgt Ion: 41 Resp: 649

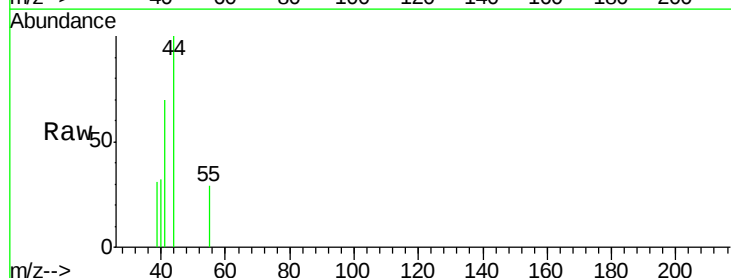
Ion Ratio Lower Upper

41 100

39 7.1 43.8 65.6#

67 0.0 56.3 84.5#

52 0.0 23.2 34.8#

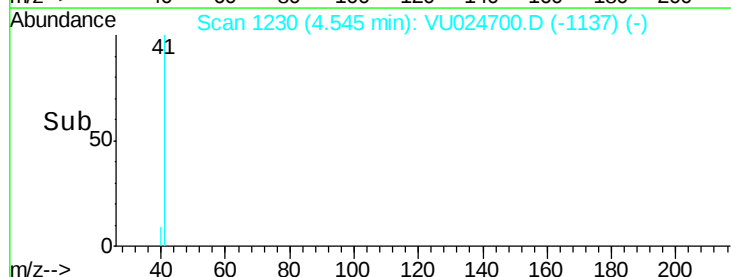
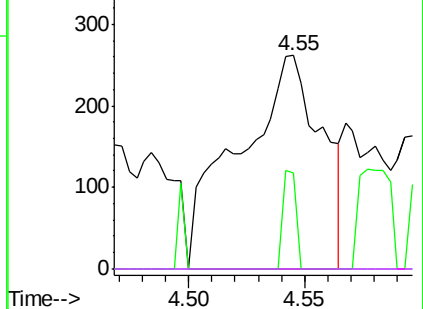


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#50

Toluene-d8

Concen: 48.171 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

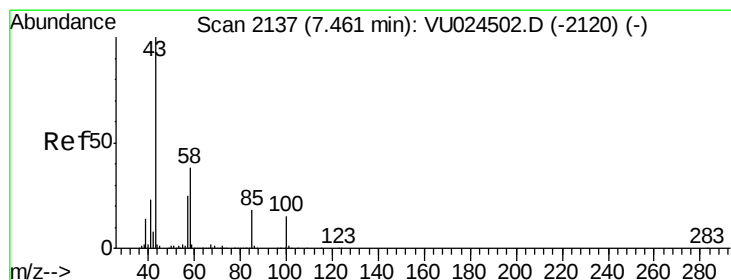
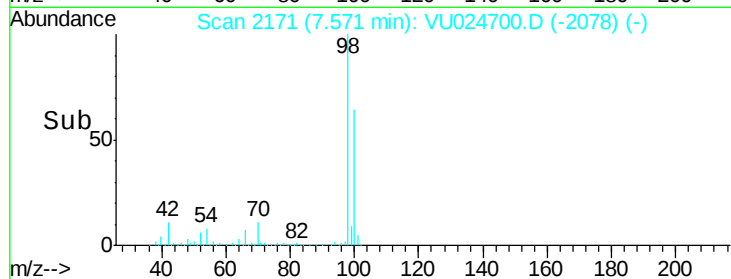
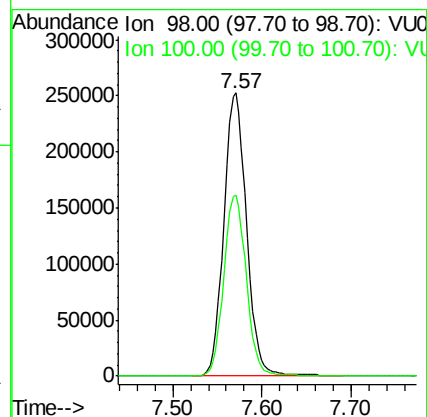
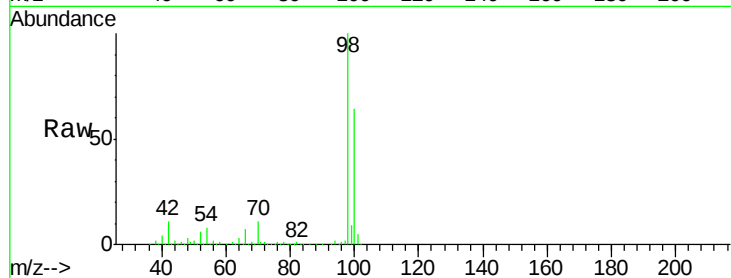
T11-MW-3-8.0-061218

Tgt Ion: 98 Resp: 445740

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.209 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. 0.02 min

Lab File: VU024700.D

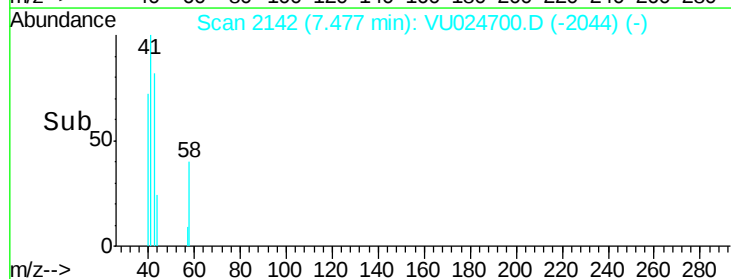
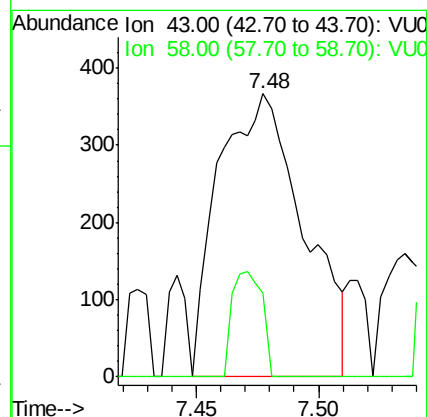
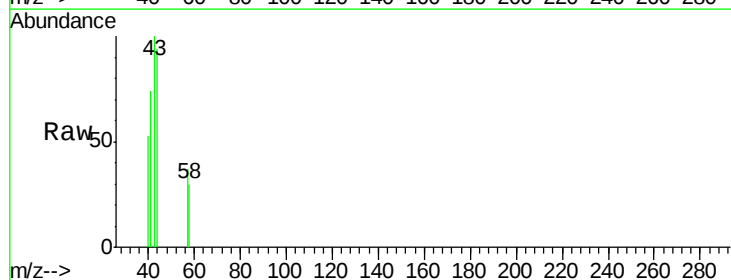
Acq: 18 Jun 2018 18:38

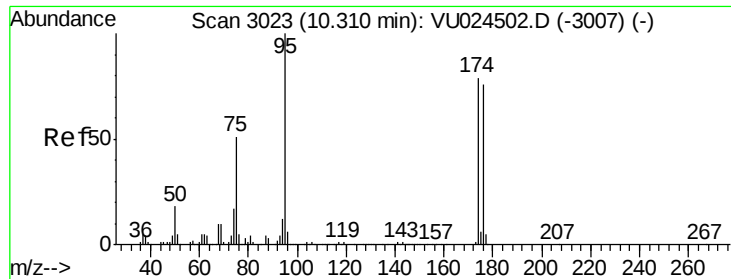
Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

58 13.3 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 42.848 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-3-8.0-061218

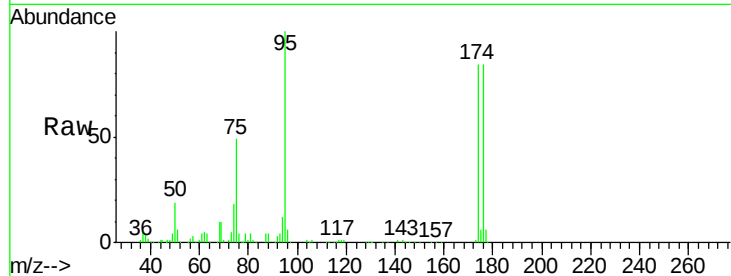
Tgt Ion: 95 Resp: 157417

Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

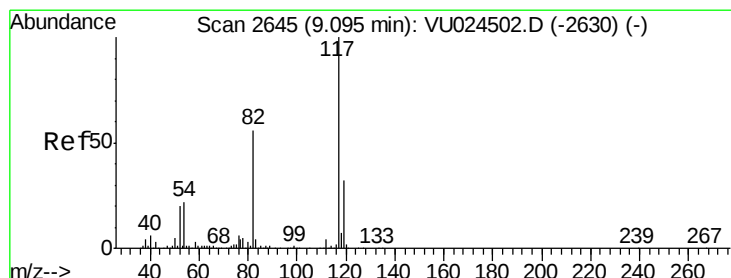
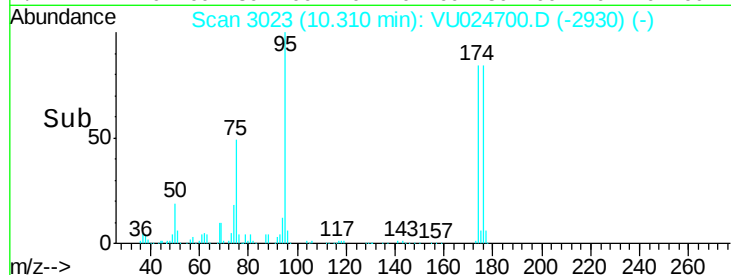
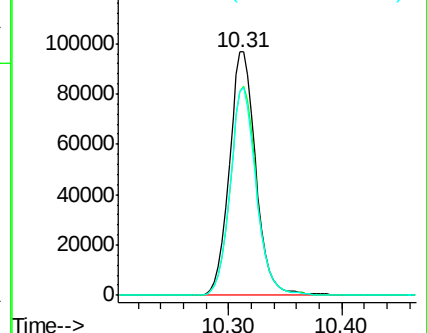
176 83.8 0.0 159.4



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: VU024700.D

Acq: 18 Jun 2018 18:38

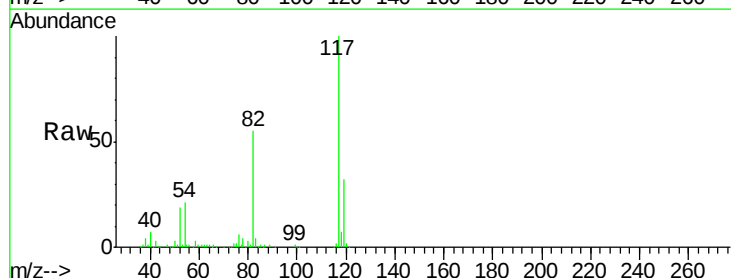
Tgt Ion: 117 Resp: 280808

Ion Ratio Lower Upper

117 100

82 54.9 44.3 66.5

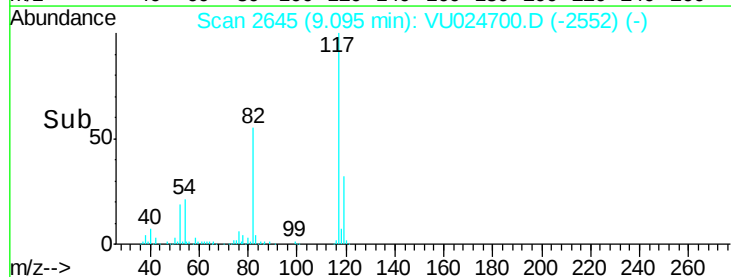
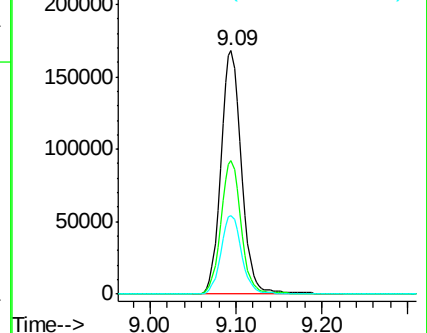
119 32.4 25.4 38.2

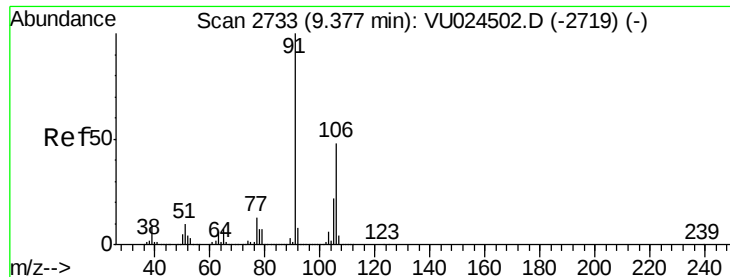


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

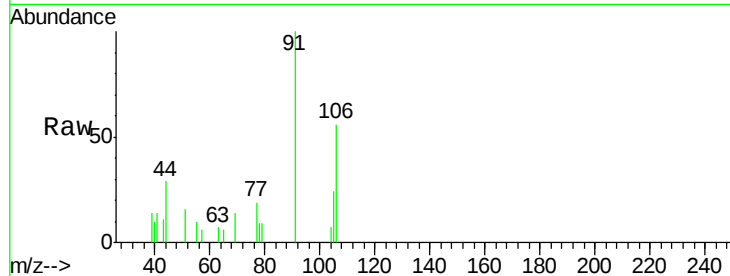




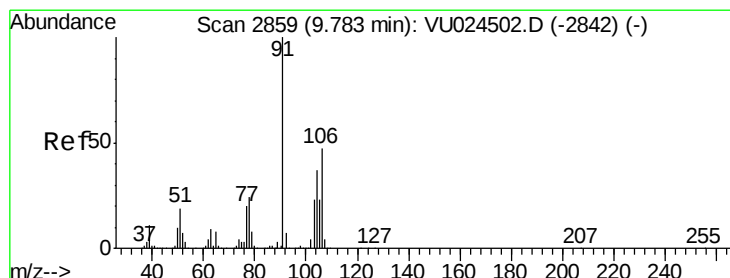
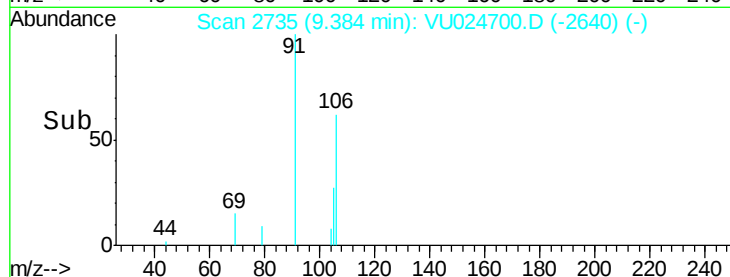
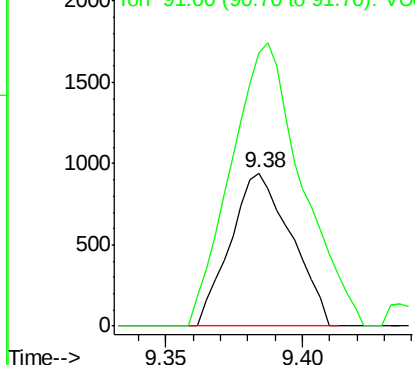
#68
m/p-Xylenes
Concen: 0.303 ug/l
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-3-8.0-061218

Tgt Ion:106 Resp: 1461
Ion Ratio Lower Upper
106 100
91 214.9 166.5 249.7

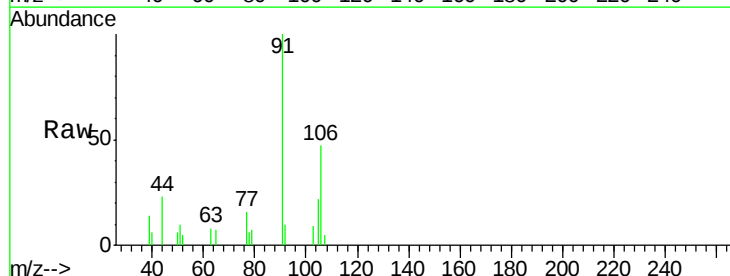


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

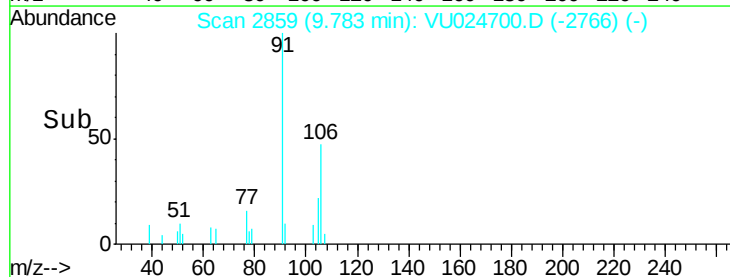
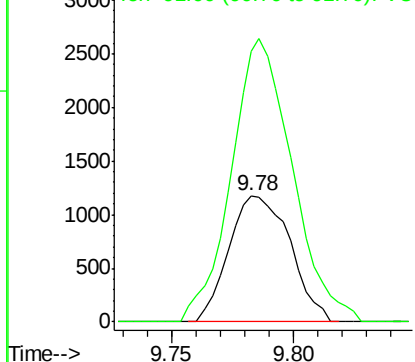


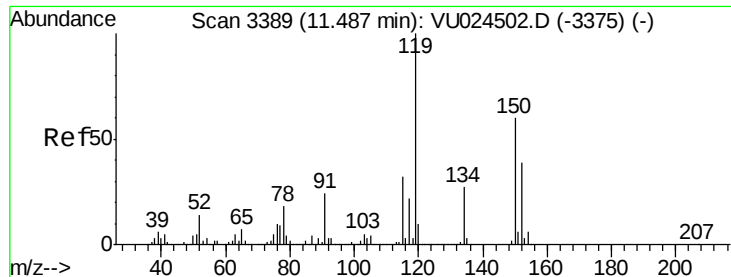
#69
o-Xylene
Concen: 0.429 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

Tgt Ion:106 Resp: 2051
Ion Ratio Lower Upper
106 100
91 223.2 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024700.D

Acq: 18 Jun 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-3-8.0-061218

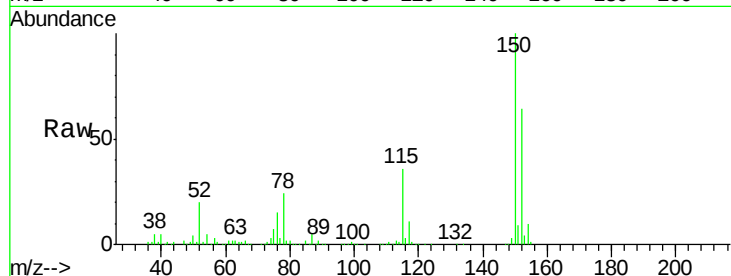
Tgt Ion:152 Resp: 148070

Ion Ratio Lower Upper

152 100

115 56.3 43.0 129.0

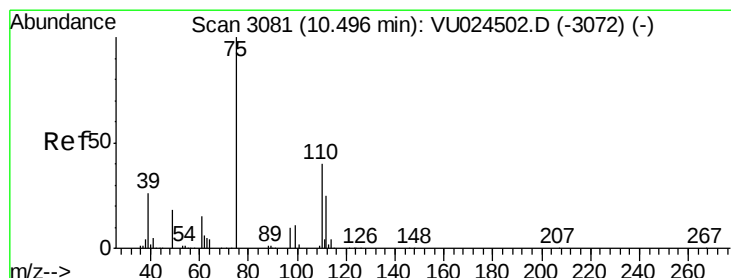
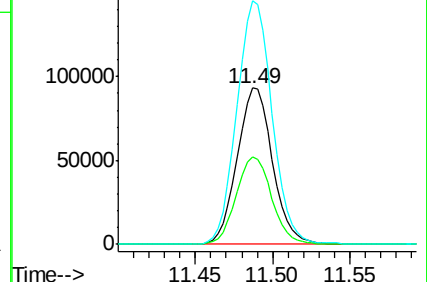
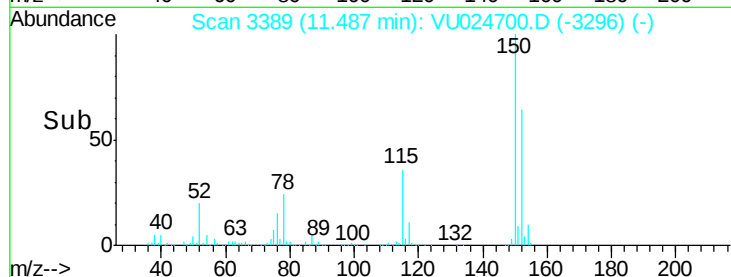
150 155.9 0.0 354.0



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: 24.142 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024700.D

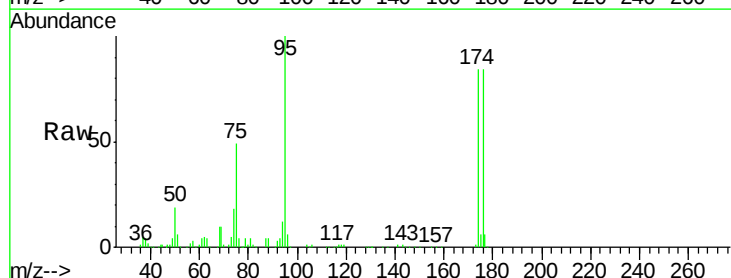
Acq: 18 Jun 2018 18:38

Tgt Ion: 75 Resp: 78702

Ion Ratio Lower Upper

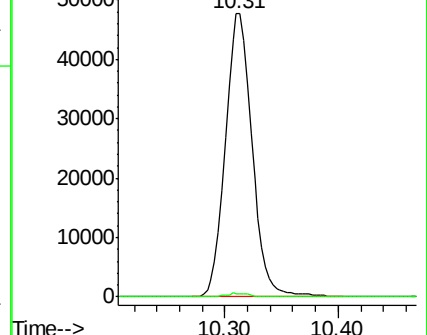
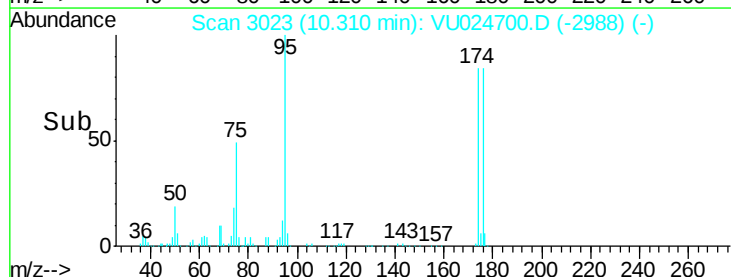
75 100

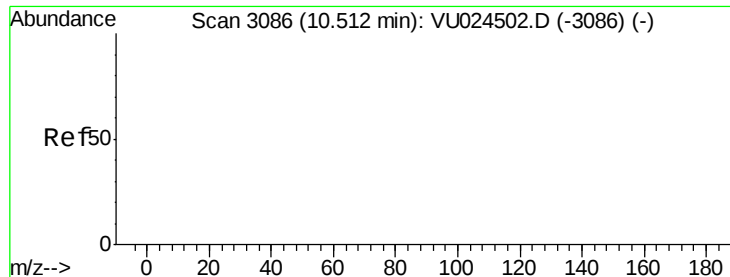
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

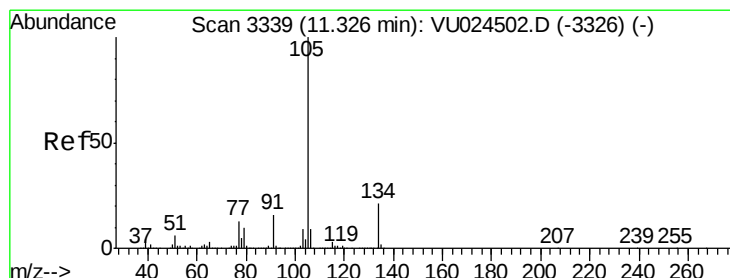
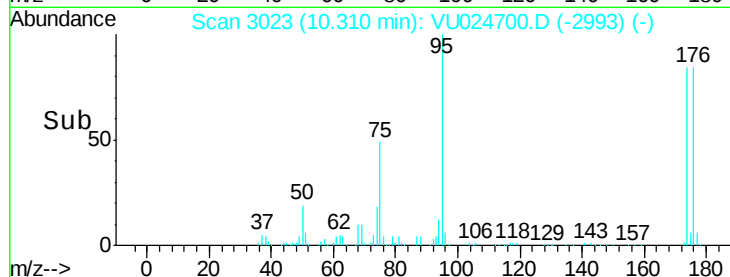
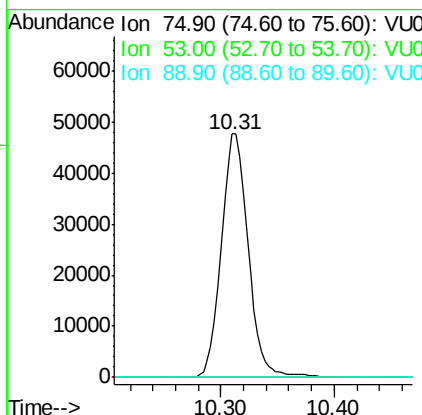
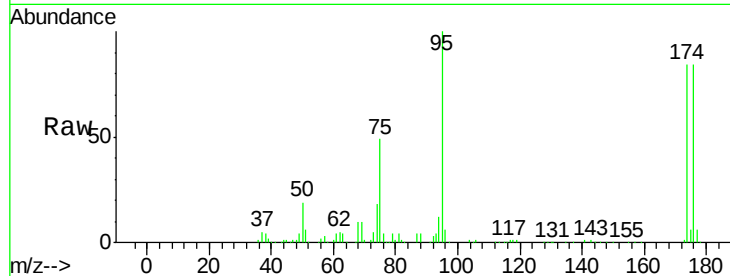




#81
trans-1,4-Dichloro-2-butene
Concen: 55.875 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

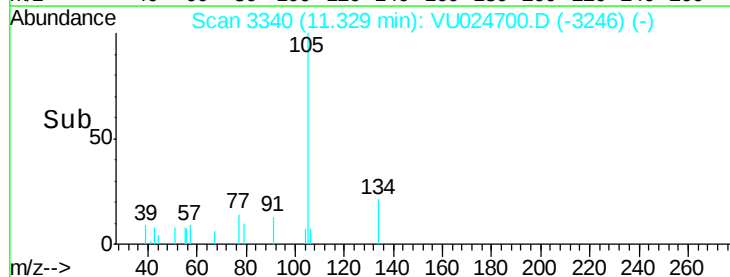
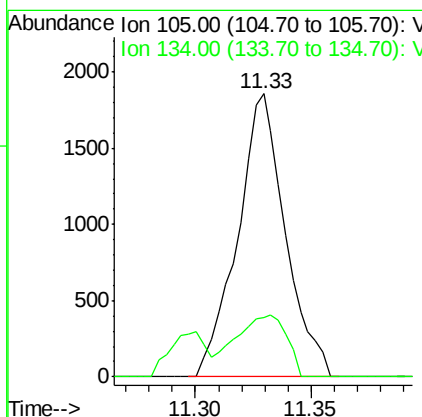
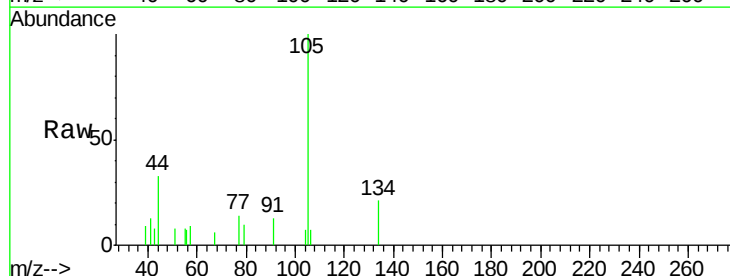
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-3-8.0-061218

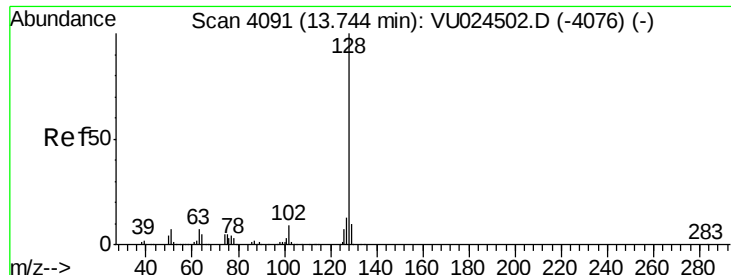
Tgt Ion: 75 Resp: 78702
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#85
sec-Butylbenzene
Concen: 0.224 ug/l
RT: 11.33 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

Tgt Ion: 105 Resp: 2662
Ion Ratio Lower Upper
105 100
134 23.3 9.7 29.1





#95
Naphthalene
Concen: 7.160 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024700.D
Acq: 18 Jun 2018 18:38

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-3-8.0-061218

Tgt Ion:128 Resp: 71532
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.5 8.6 12.8

