

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025028.D
 Acq On : 28 Jun 2018 18:19
 Operator : MD/SY
 Sample : J3048-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2-GW

Quant Time: Jun 29 05:08:39 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

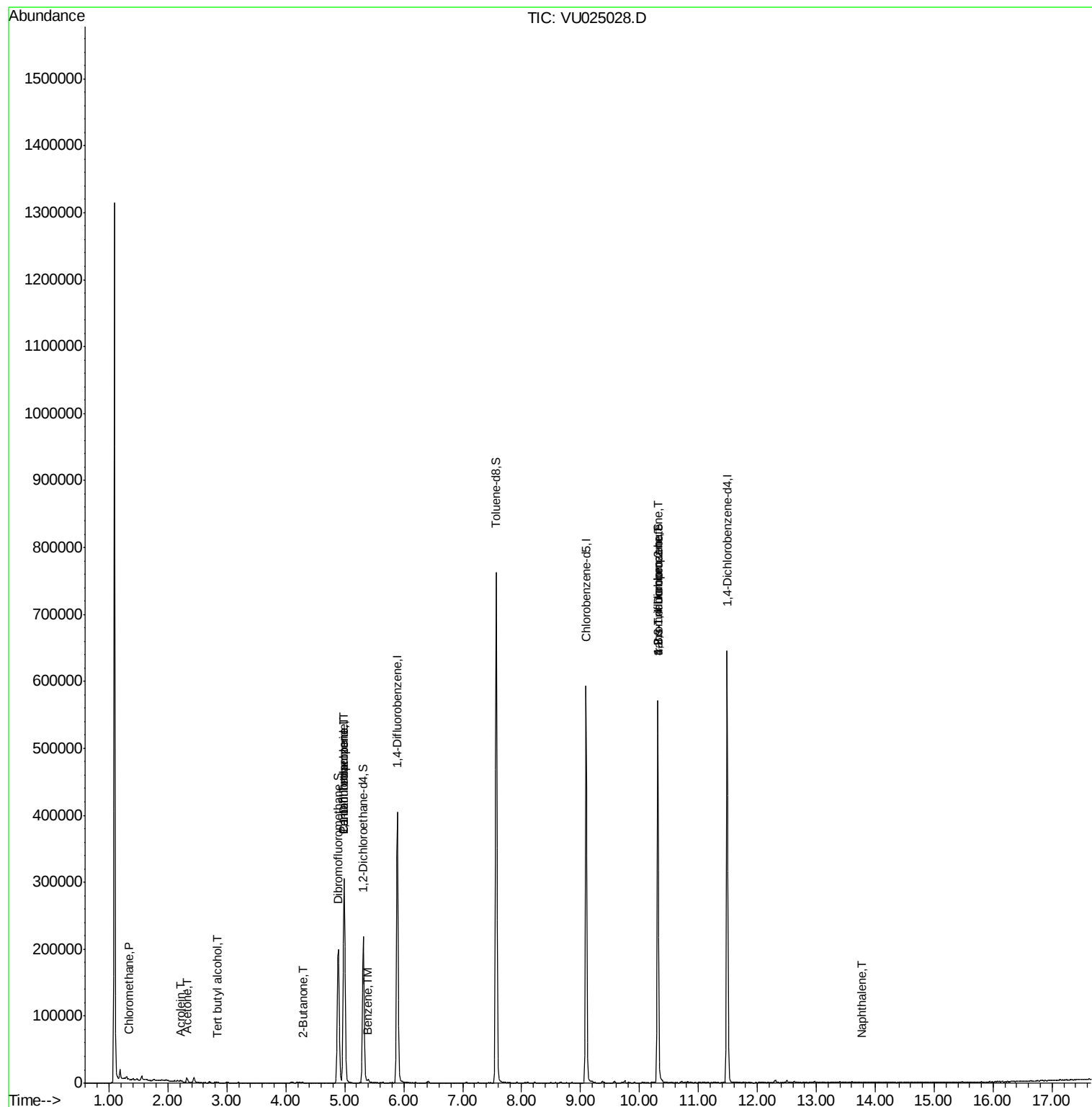
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	231800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	347775	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	324478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	177867	47.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.00%	
35) Dibromofluoromethane	4.89	113	136641	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.68%	
50) Toluene-d8	7.57	98	510722	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	10.31	95	185934	44.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.96%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	856	0.289	ug/l #	83
6) Chloroethane	1.65	64	157	Below Cal	#	43
8) Diethyl Ether	2.10	74	124	Below Cal	#	1
11) Tert butyl alcohol	2.83	59	593	0.644	ug/l #	90
13) Acrolein	2.20	56	106	0.219	ug/l #	70
16) Acetone	2.32	43	7883	3.877	ug/l	94
25) 2-Butanone	4.29	43	868	0.318	ug/l #	51
31) Cyclohexane	4.99	56	5850	Below Cal	#	21
36) 1,1-Dichloropropene	4.99	75	16871	4.128	ug/l #	51
38) Carbon Tetrachloride	4.99	117	22190	4.938	ug/l #	16
40) Benzene	5.40	78	4904	0.421	ug/l	92
76) 1,2,3-Trichloropropane	10.31	75	97622	26.378	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	97622	61.049	ug/l #	100
95) Naphthalene	13.77	128	1011	0.760	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: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

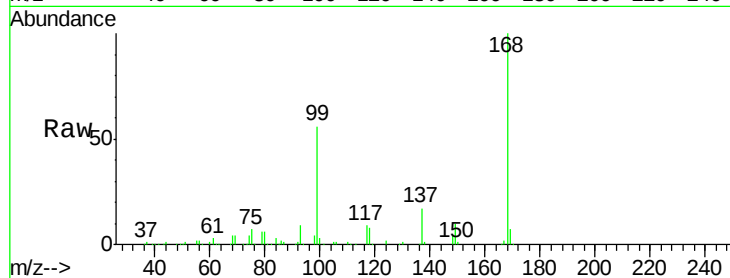
TP-2-GW

Tgt Ion:168 Resp: 231800

Ion Ratio Lower Upper

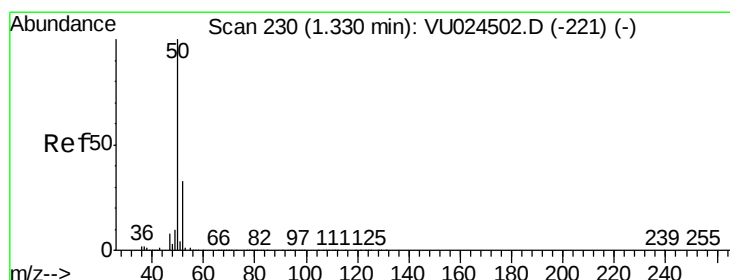
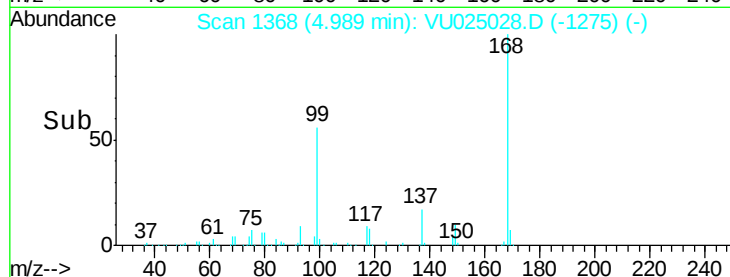
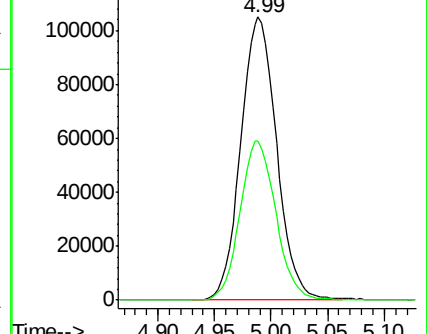
168 100

99 56.1 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: 0.289 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025028.D

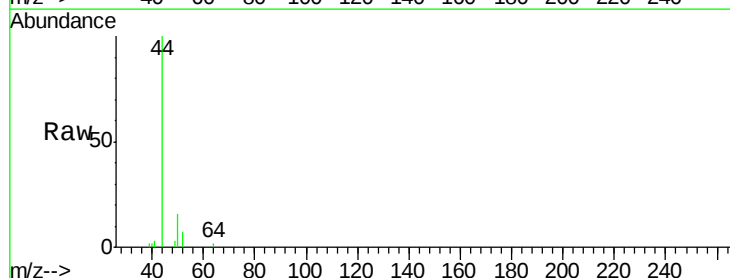
Acq: 28 Jun 2018 18:19

Tgt Ion: 50 Resp: 856

Ion Ratio Lower Upper

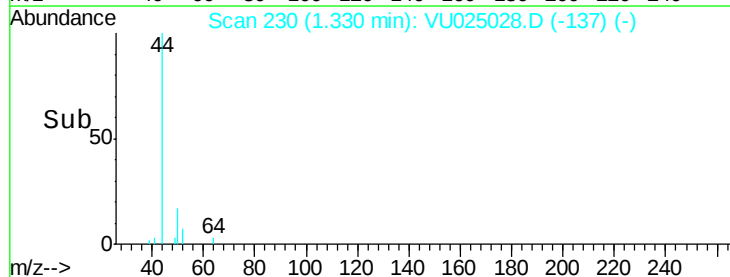
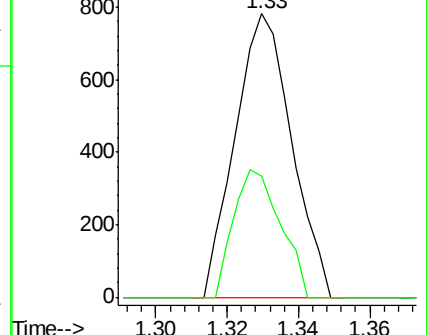
50 100

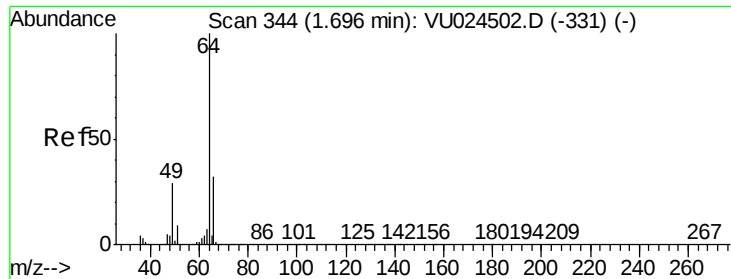
52 42.6 26.4 39.6#



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

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





#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 330

Delta R.T. -0.04 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

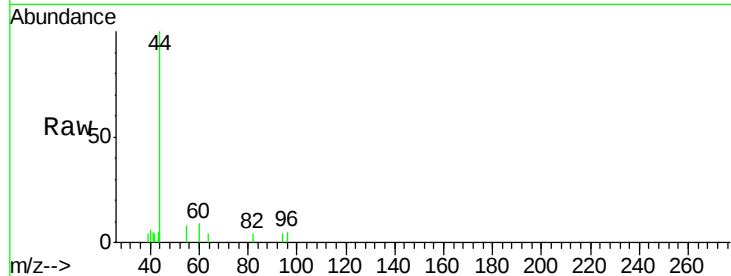
TP-2-GW

Tgt Ion: 64 Resp: 157

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

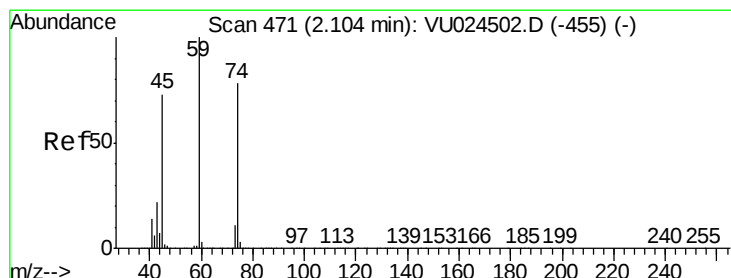
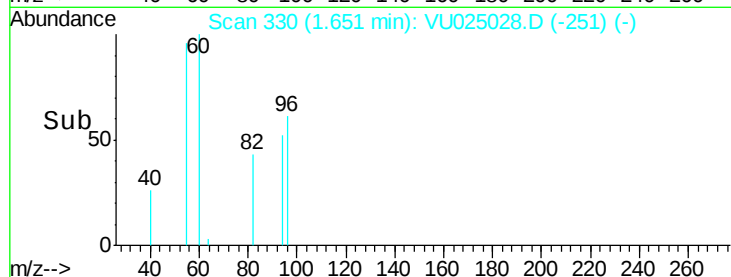
1.65

100

50

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU025028.D

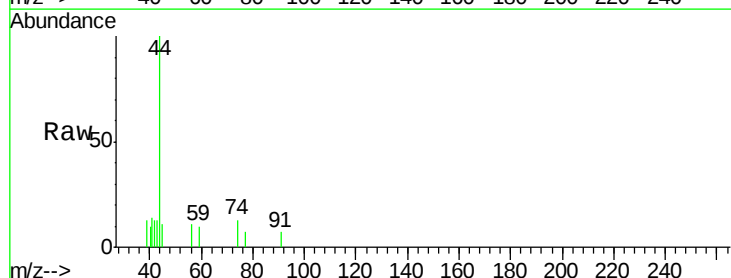
Acq: 28 Jun 2018 18:19

Tgt Ion: 74 Resp: 124

Ion Ratio Lower Upper

74 100

45 289.5 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

300

250

200

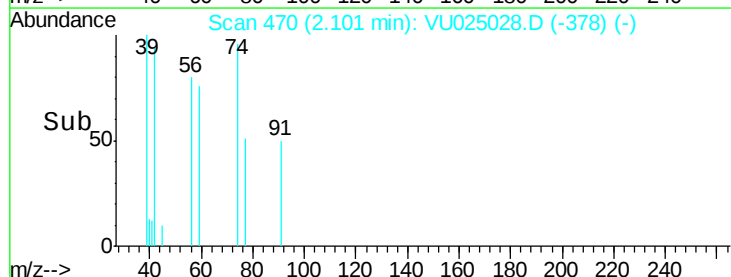
150

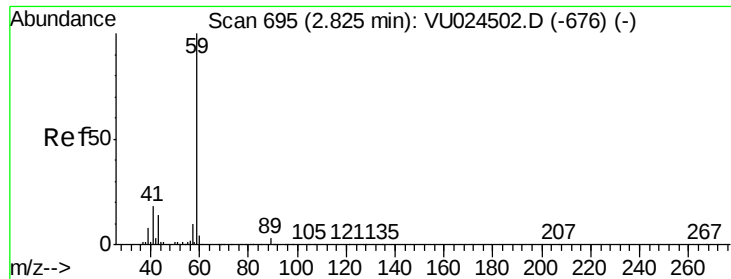
100

50

0

Time-->

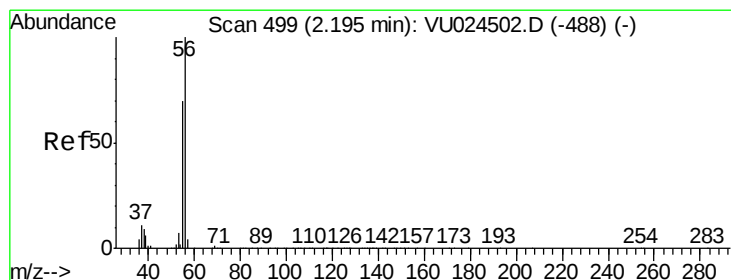
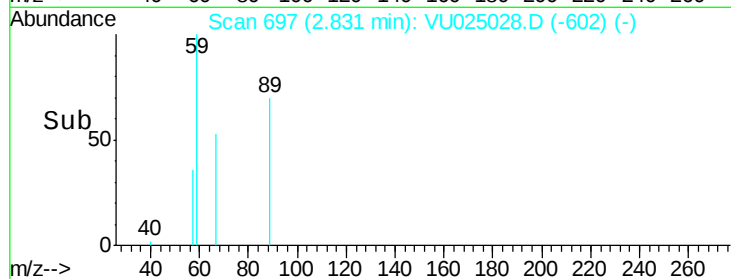
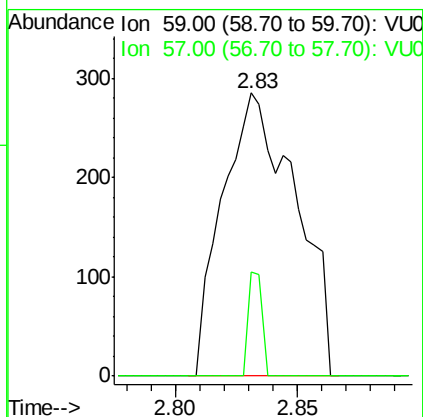
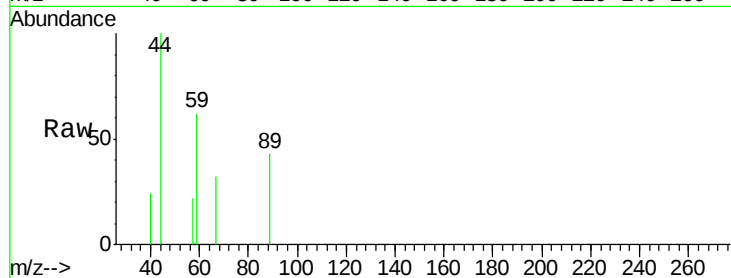




#11
Tert butyl alcohol
Concen: 0.644 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025028.D
Acq: 28 Jun 2018 18:19

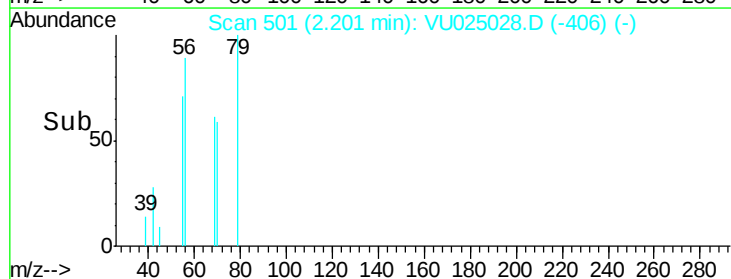
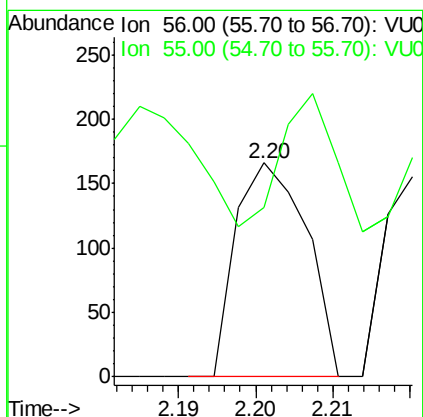
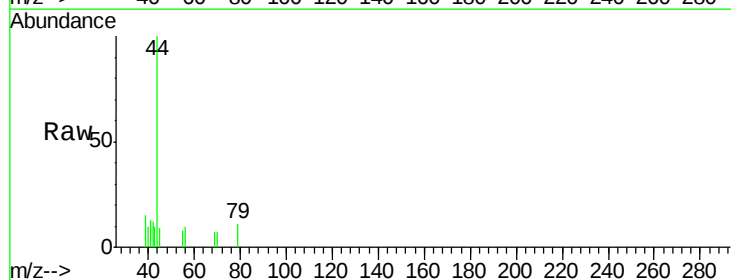
Instrument :
MSVOA_U
ClientSampleId :
TP-2-GW

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 6.7 8.5 12.7#



#13
Acrolein
Concen: 0.219 ug/l
RT: 2.20 min Scan# 501
Delta R.T. 0.01 min
Lab File: VU025028.D
Acq: 28 Jun 2018 18:19

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 48.1 58.4 87.6#





#16

Acetone

Concen: 3.877 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

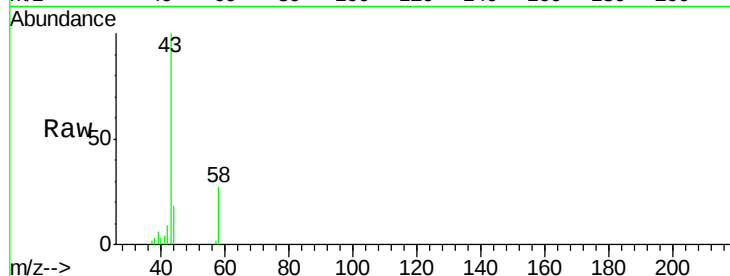
TP-2-GW

Tgt Ion: 43 Resp: 7883

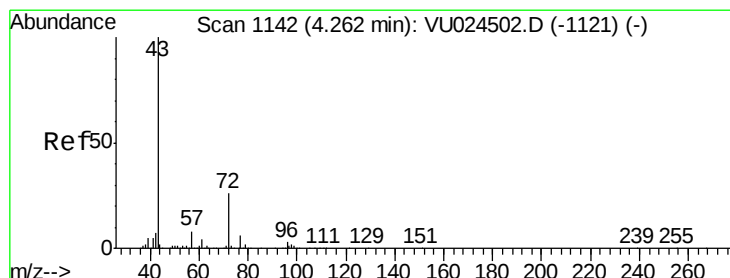
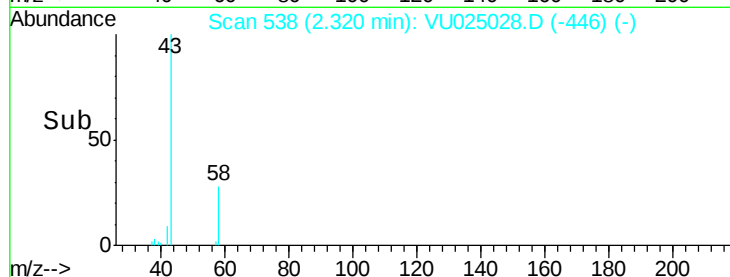
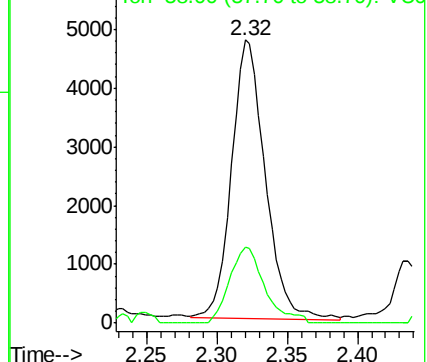
Ion Ratio Lower Upper

43 100

58 27.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU025028.D (-446) (-)



#25

2-Butanone

Concen: 0.318 ug/l

RT: 4.29 min Scan# 1152

Delta R.T. 0.03 min

Lab File: VU025028.D

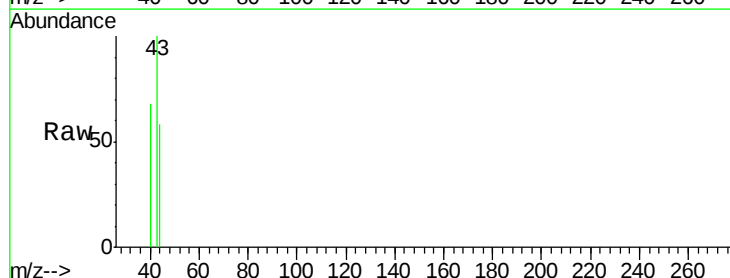
Acq: 28 Jun 2018 18:19

Tgt Ion: 43 Resp: 868

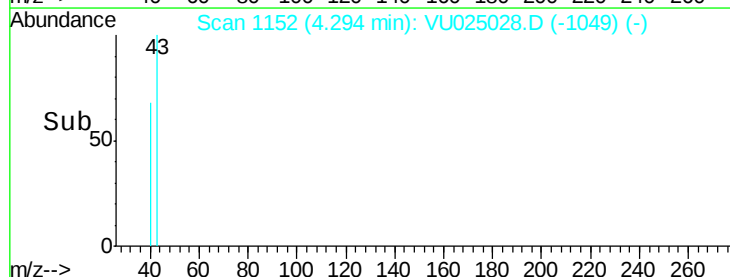
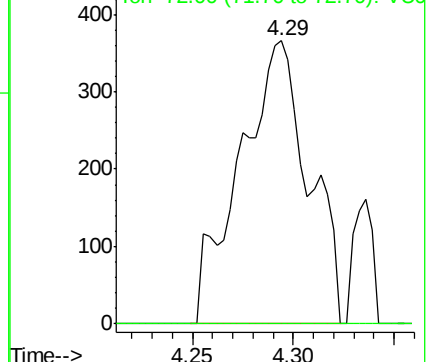
Ion Ratio Lower Upper

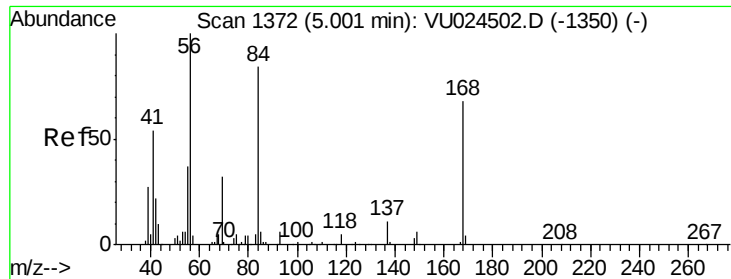
43 100

72 0.0 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VU025028.D (-1049) (-)

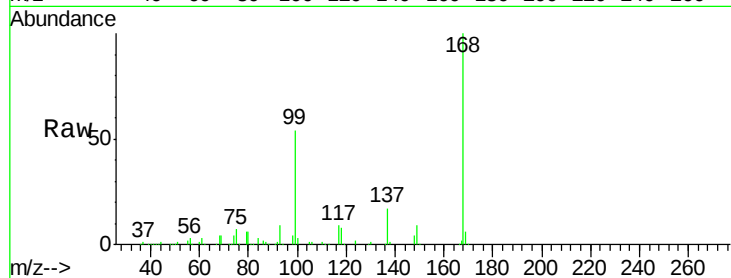




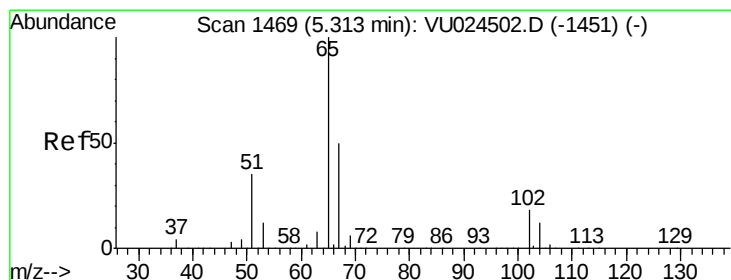
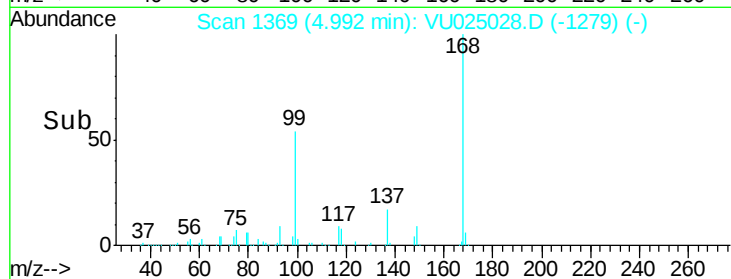
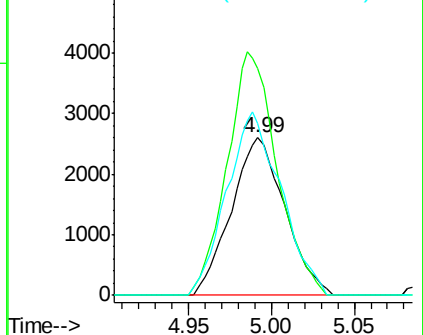
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025028.D
Acq: 28 Jun 2018 18:19

Instrument :
MSVOA_U
ClientSampled :
TP-2-GW

Tgt Ion: 56 Resp: 5850
Ion Ratio Lower Upper
56 100
69 143.7 24.8 37.2#
84 109.2 65.2 97.8#

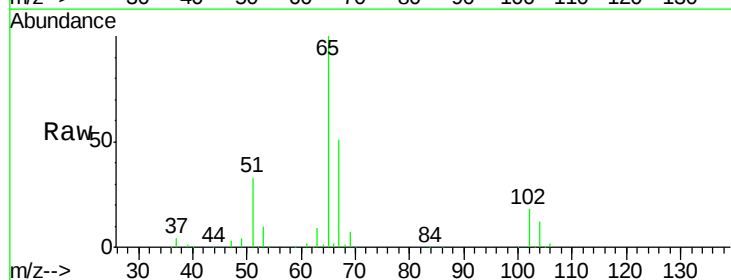


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

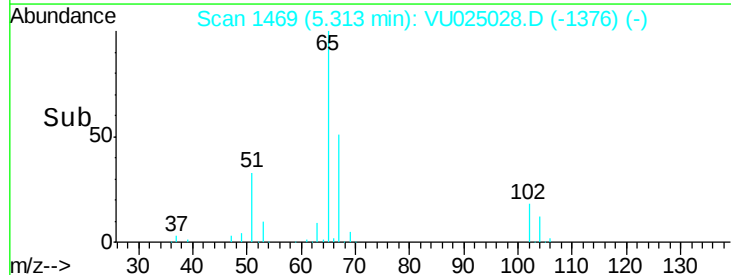
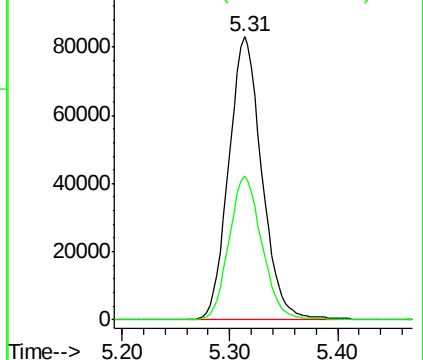


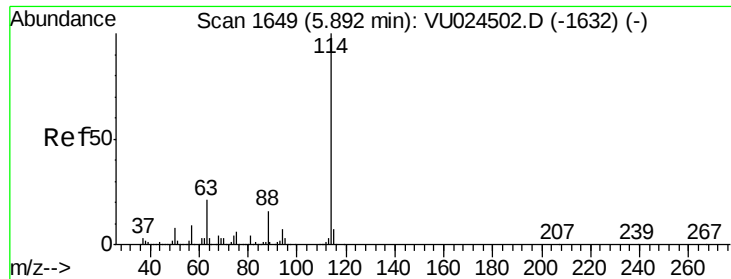
#33
1,2-Dichloroethane-d4
Concen: 47.003 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025028.D
Acq: 28 Jun 2018 18:19

Tgt Ion: 65 Resp: 177867
Ion Ratio Lower Upper
65 100
67 50.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

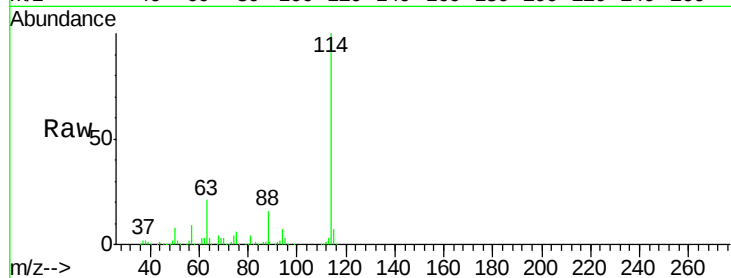




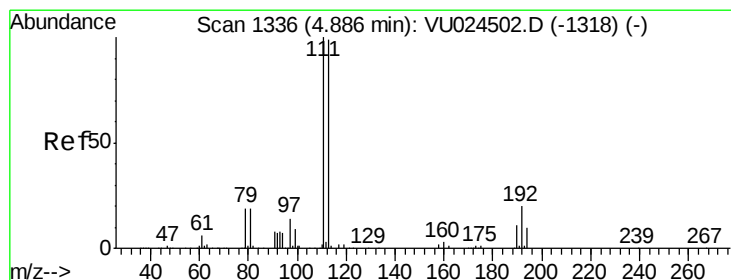
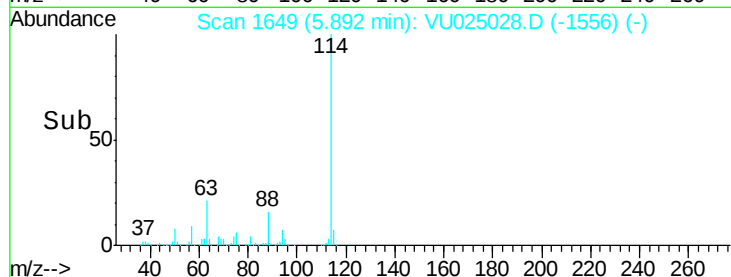
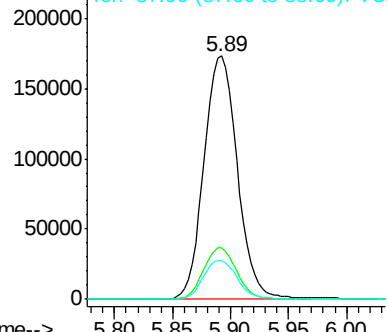
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025028.D
 Acq: 28 Jun 2018 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2-GW

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.4
88	16.0	0.0	31.0

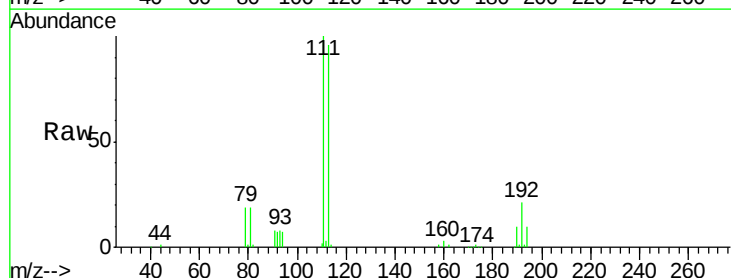


Abundance Ion 113.90 (113.60 to 114.60): V

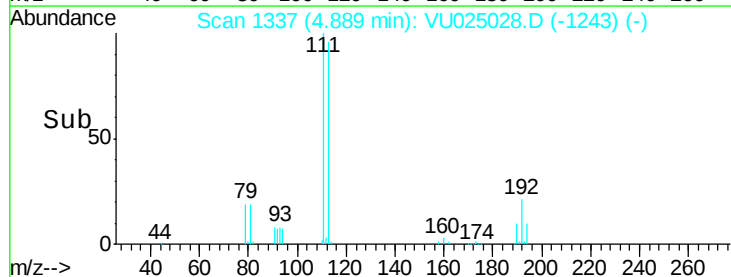
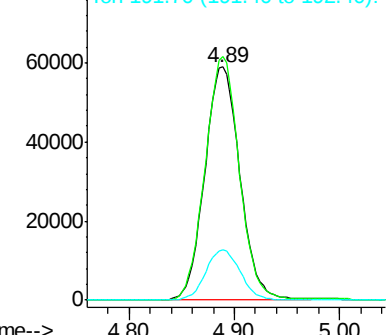


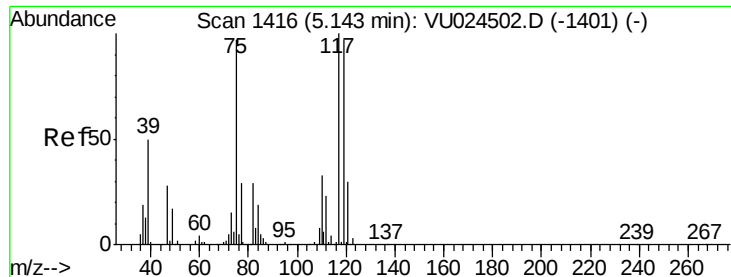
#35
 Dibromofluoromethane
 Concen: 47.342 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025028.D
 Acq: 28 Jun 2018 18:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	21.2	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V





#36

1,1-Dichloropropene

Concen: 4.128 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

TP-2-GW

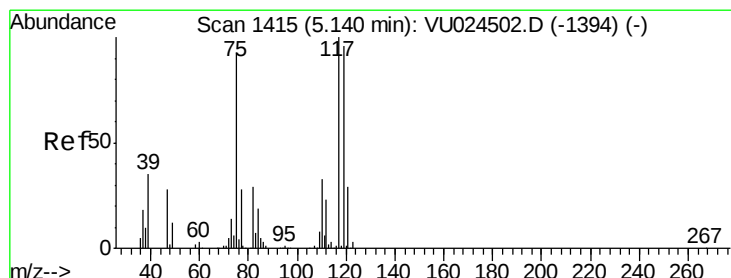
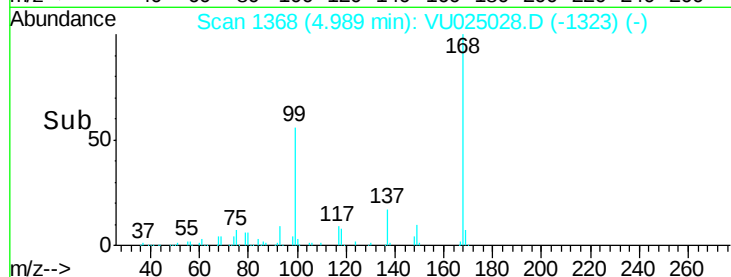
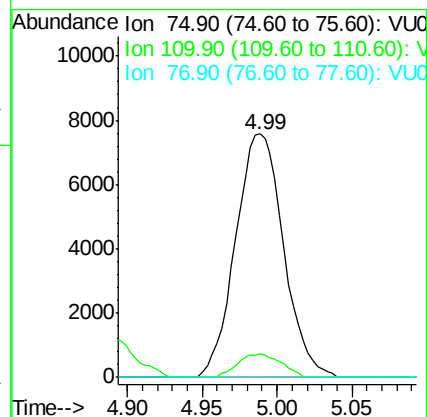
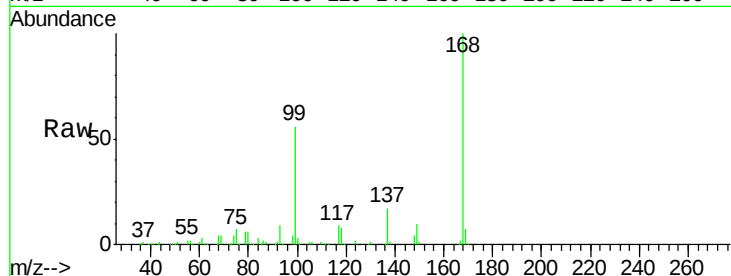
Tgt Ion: 75 Resp: 16871

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.938 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

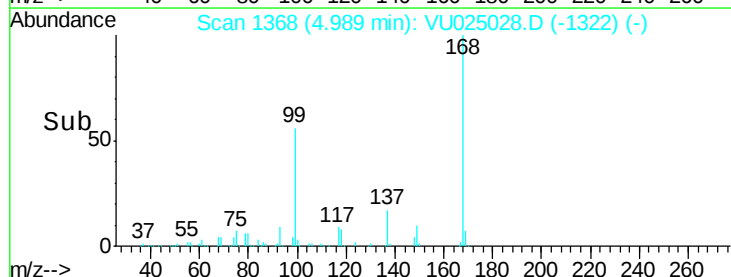
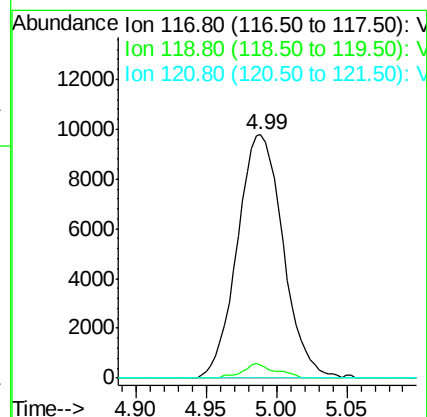
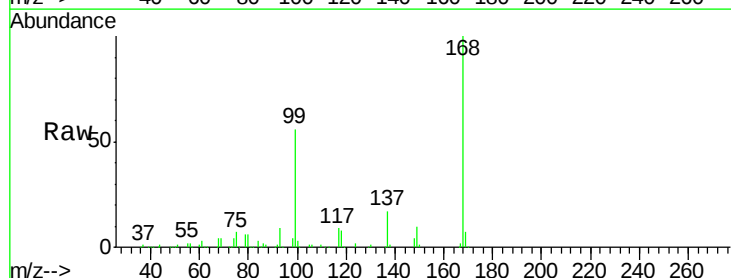
Tgt Ion: 117 Resp: 22190

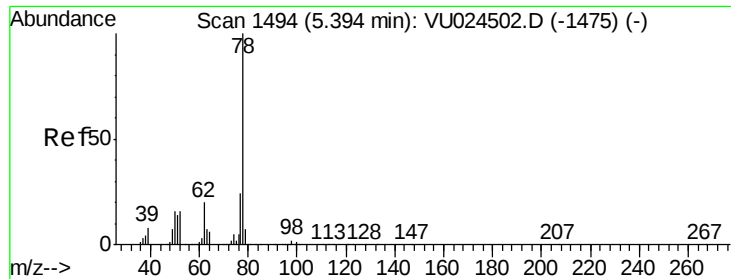
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 23.7 35.5#





#40

Benzene

Concen: 0.421 ug/l

RT: 5.40 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

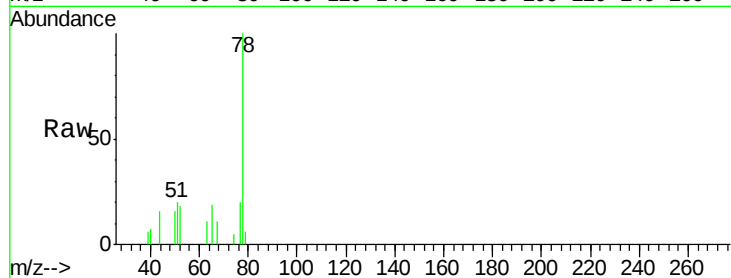
TP-2-GW

Tgt Ion: 78 Resp: 4904

Ion Ratio Lower Upper

78 100

77 19.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU025028.D (-1494) (-)

Ion 77.00 (76.70 to 77.70): VU025028.D (-1494) (-)

5.40

2500

2000

1500

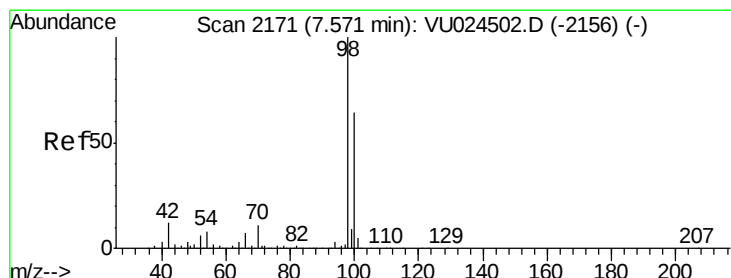
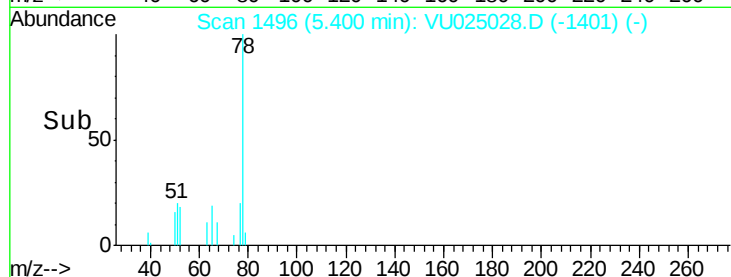
1000

500

0

Time-->

5.35 5.40 5.45



#50

Toluene-d8

Concen: 48.511 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025028.D

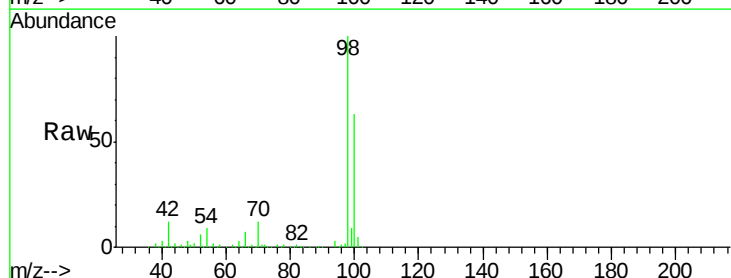
Acq: 28 Jun 2018 18:19

Tgt Ion: 98 Resp: 510722

Ion Ratio Lower Upper

98 100

100 62.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025028.D (-2171) (-)

Ion 100.00 (99.70 to 100.70): VU025028.D (-2171) (-)

7.57

300000

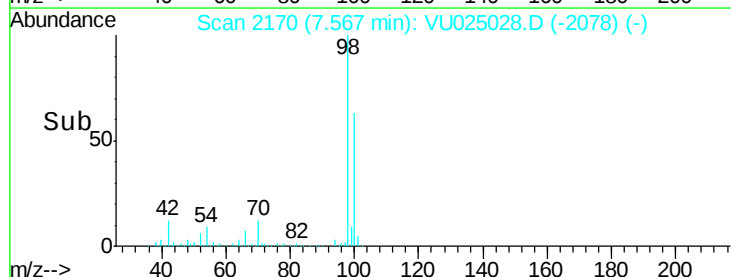
200000

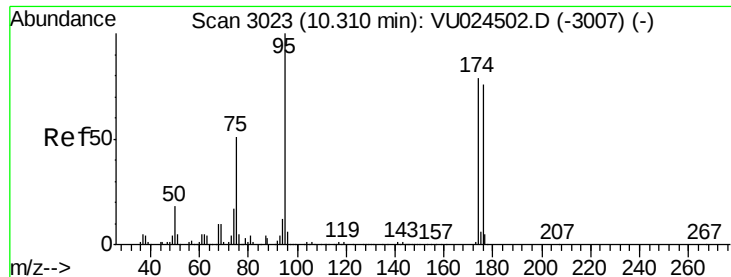
100000

0

Time-->

7.50 7.55 7.60 7.65 7.70





#62

4-Bromofluorobenzene

Concen: 44.482 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampled :

TP-2-GW

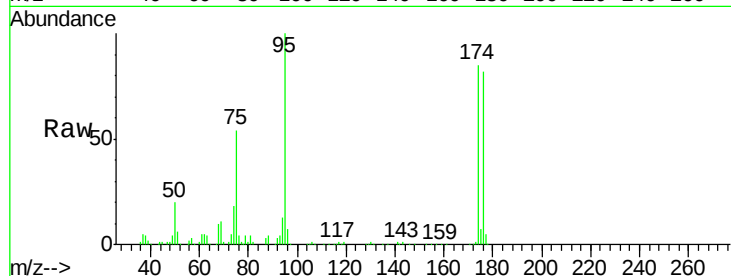
Tgt Ion: 95 Resp: 185934

Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

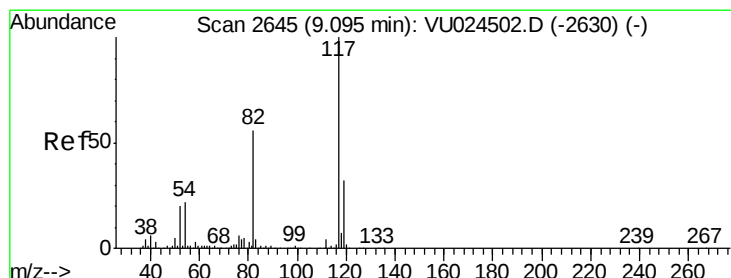
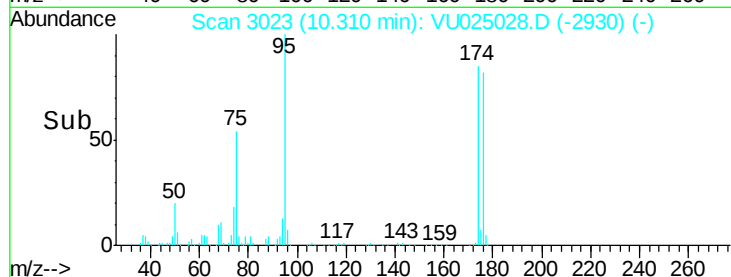
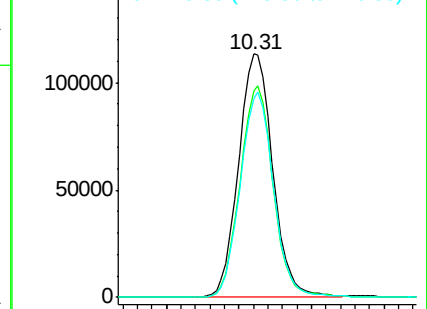
176 82.1 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

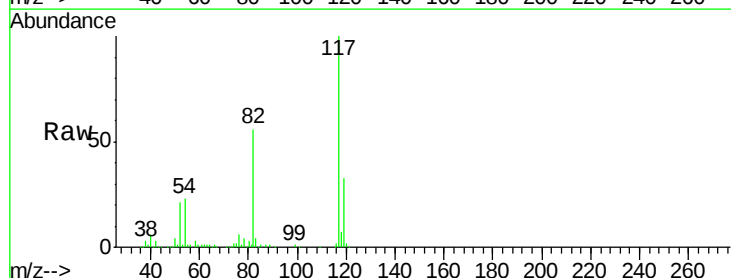
Tgt Ion: 117 Resp: 324478

Ion Ratio Lower Upper

117 100

82 56.5 44.3 66.5

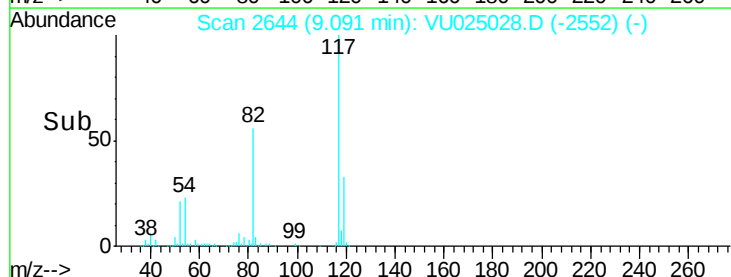
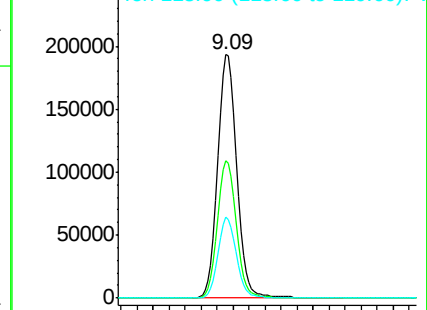
119 33.0 25.4 38.2

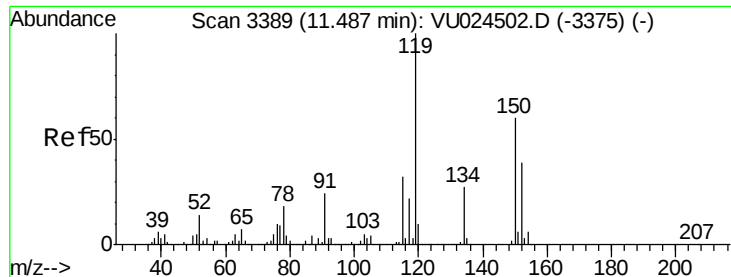


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

TP-2-GW

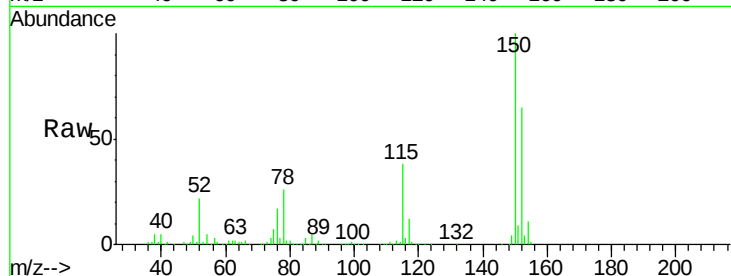
Tgt Ion:152 Resp: 168099

Ion Ratio Lower Upper

152 100

115 58.1 43.0 129.0

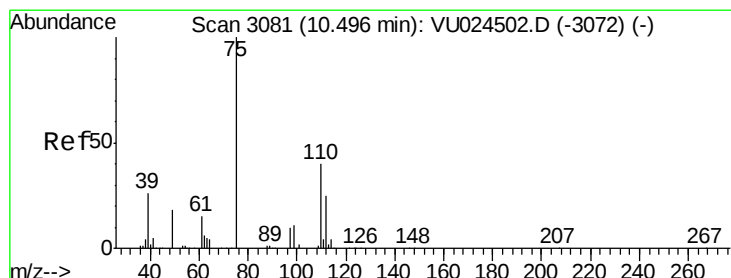
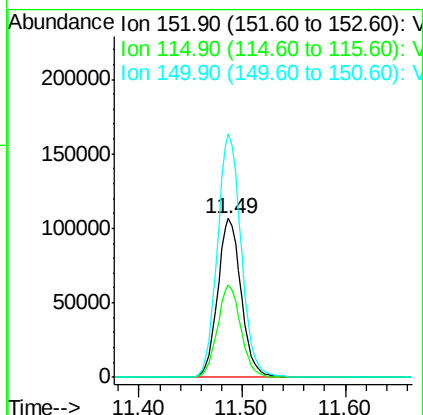
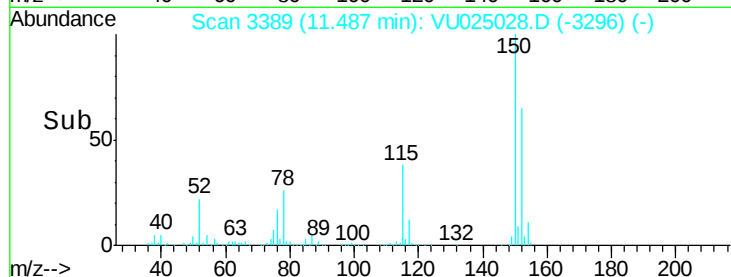
150 155.3 0.0 354.0



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: 26.378 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025028.D

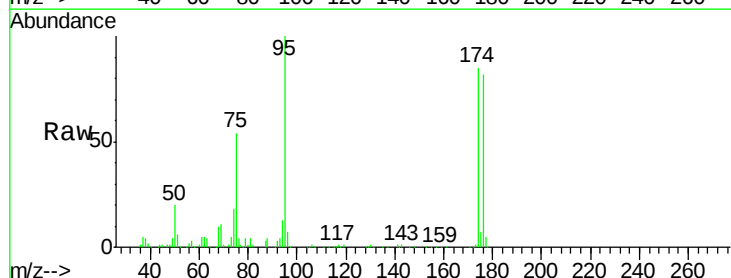
Acq: 28 Jun 2018 18:19

Tgt Ion: 75 Resp: 97622

Ion Ratio Lower Upper

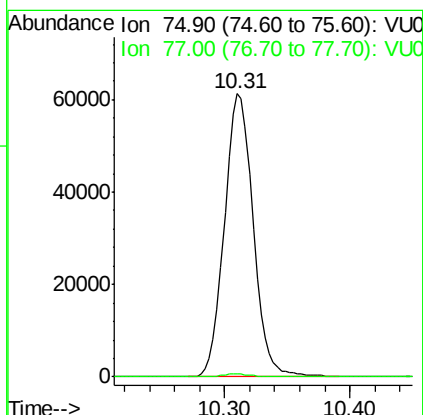
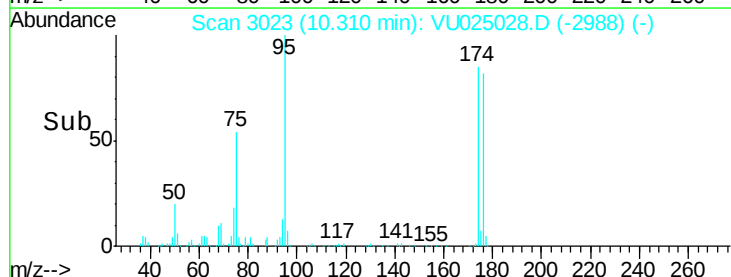
75 100

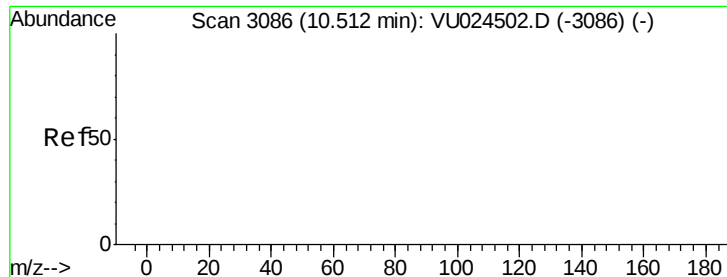
77 1.1 20.9 62.7#



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: 61.049 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

TP-2-GW

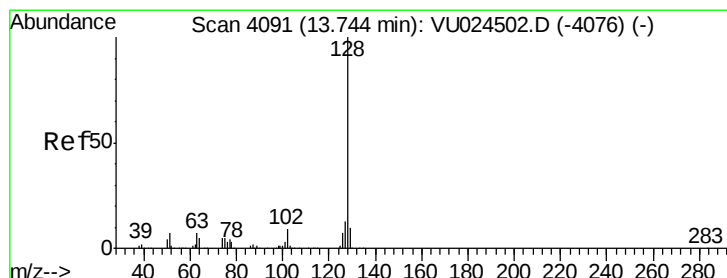
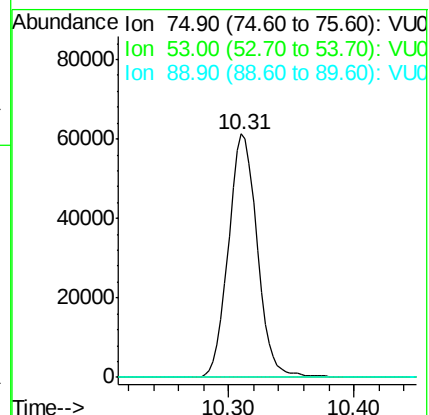
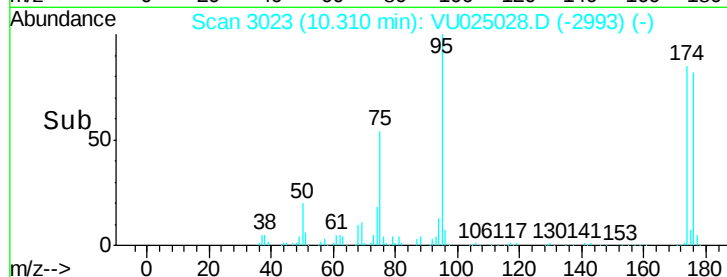
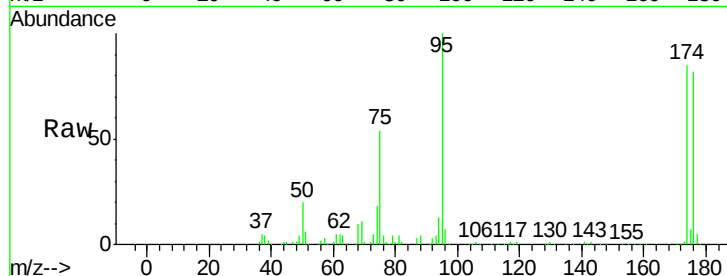
Tgt Ion: 75 Resp: 97622

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#95

Naphthalene

Concen: 0.760 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU025028.D

Acq: 28 Jun 2018 18:19

Tgt Ion: 128 Resp: 1011

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

