

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024821.D
 Acq On : 21 Jun 2018 19:20
 Operator : MD/SY
 Sample : J3552-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR3-14-061418

Quant Time: Jun 22 03:53:18 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	188555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287796	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141784	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	135896	44.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.30%		
35) Dibromofluoromethane	4.89	113	110479	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.50%		
50) Toluene-d8	7.57	98	416374	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.58%		
62) 4-Bromofluorobenzene	10.31	95	152170	43.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.98%		

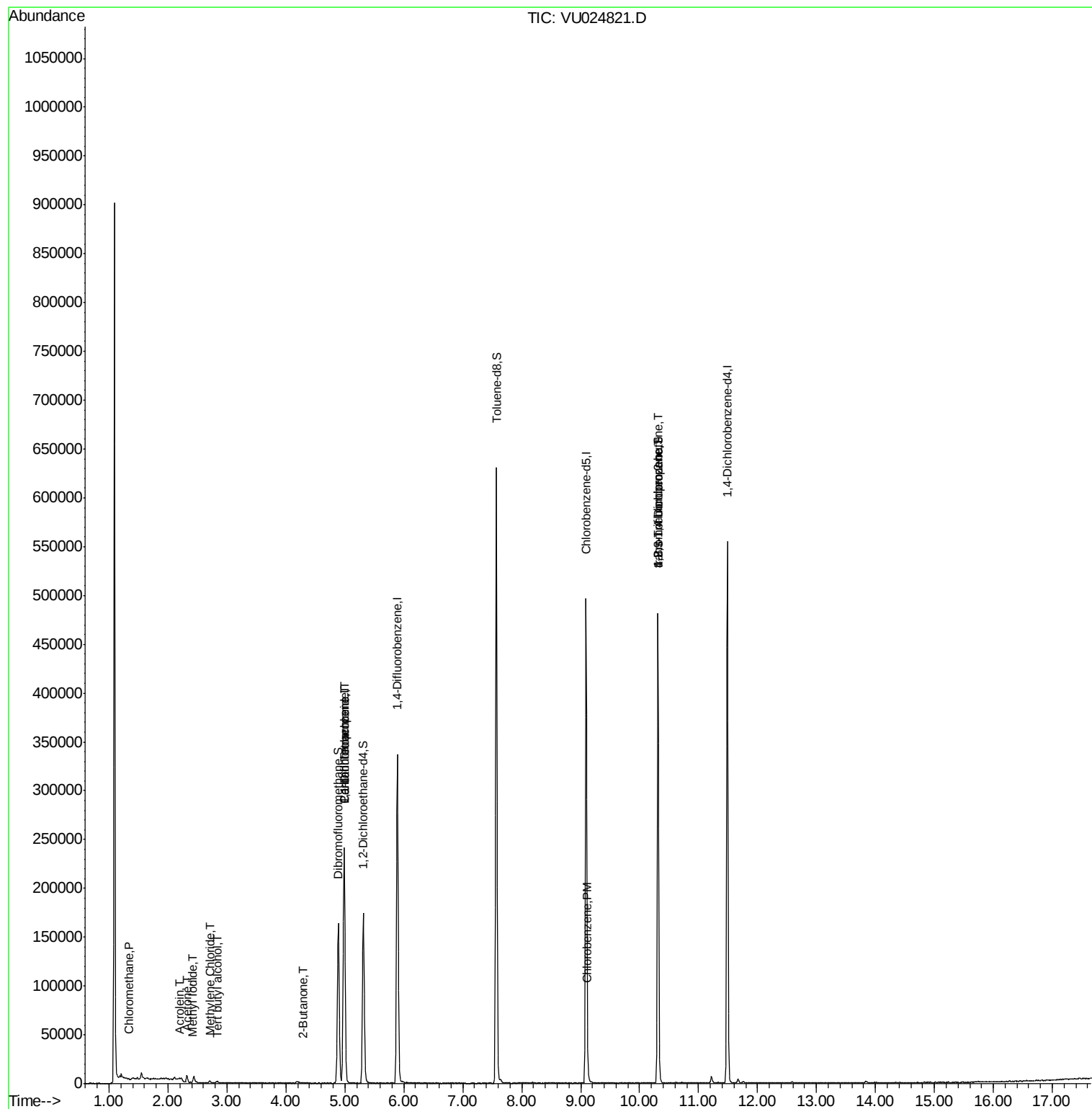
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	667	0.277	ug/l #	75
6) Chloroethane	1.70	64	99	Below Cal	#	43
8) Diethyl Ether	2.10	74	715	Below Cal		78
10) Methyl Iodide	2.41	142	71	5.320	ug/l #	40
11) Tert butyl alcohol	2.82	59	505	0.675	ug/l #	82
13) Acrolein	2.20	56	413	1.051	ug/l #	36
16) Acetone	2.32	43	7035	4.254	ug/l	95
20) Methylene Chloride	2.70	84	1017	0.392	ug/l #	79
25) 2-Butanone	4.29	43	714	0.321	ug/l #	51
31) Cyclohexane	4.99	56	3924	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13599	4.021	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17516	4.710	ug/l #	15
65) Chlorobenzene	9.13	112	3376	0.489	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	79855	25.582	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	79855	59.207	ug/l #	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062118\
Data File : VU024821.D
Acq On : 21 Jun 2018 19:20
Operator : MD/SY
Sample : J3552-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

Quant Time: Jun 22 03:53:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

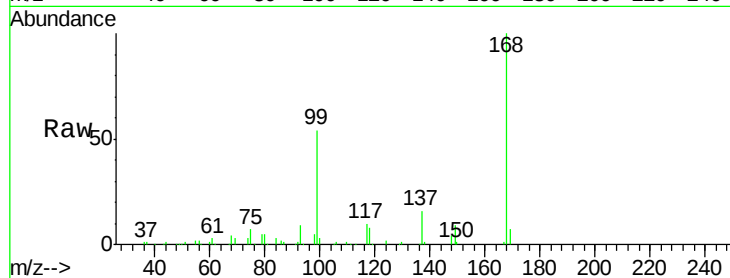
Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

Tot Ion:168 Resp: 188555

Ion Ratio Lower Upper

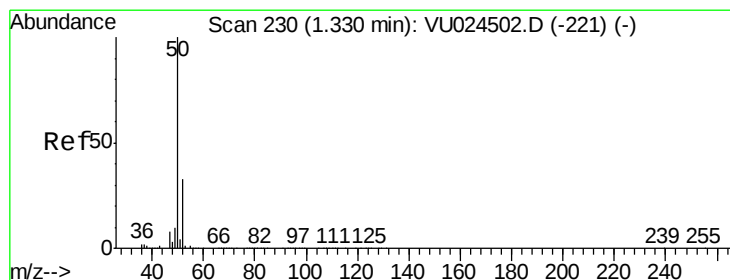
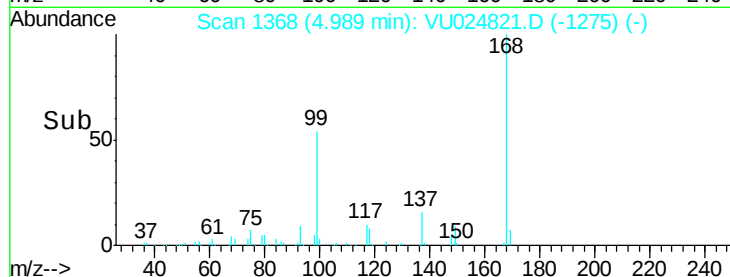
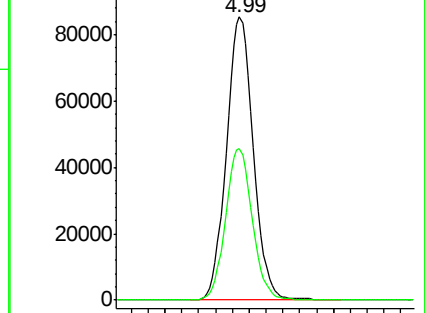
168 100

99 53.5 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: 0.277 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024821.D

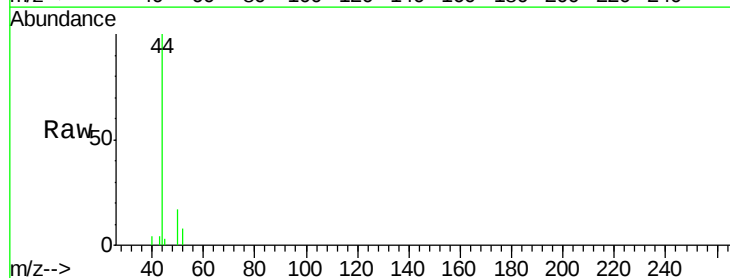
Acq: 21 Jun 2018 19:20

Tgt Ion: 50 Resp: 667

Ion Ratio Lower Upper

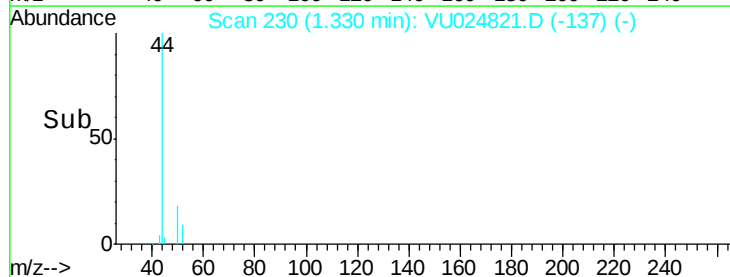
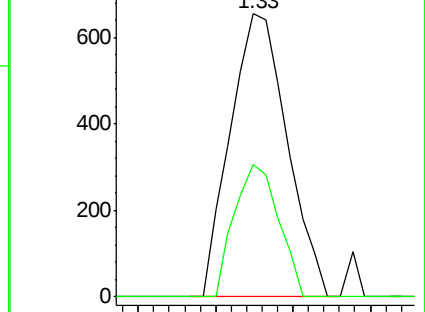
50 100

52 46.9 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) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

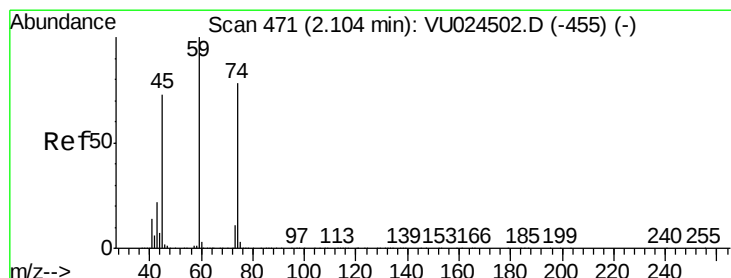
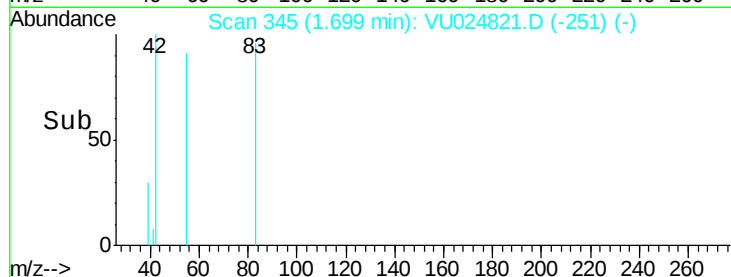
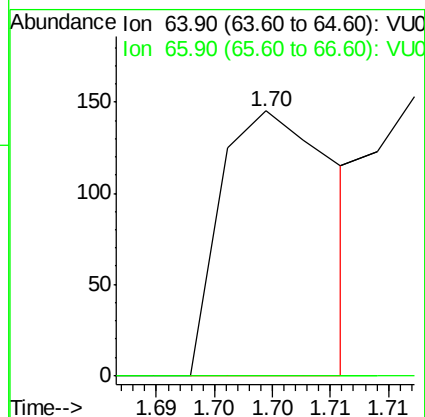
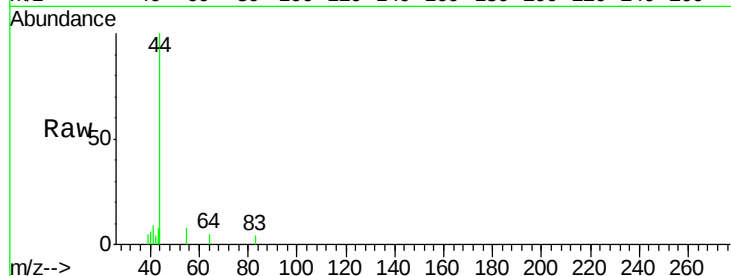
MWHR3-14-061418

Tot Ion: 64 Resp: 99

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024821.D

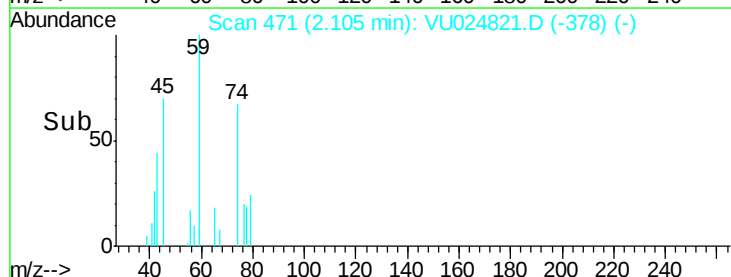
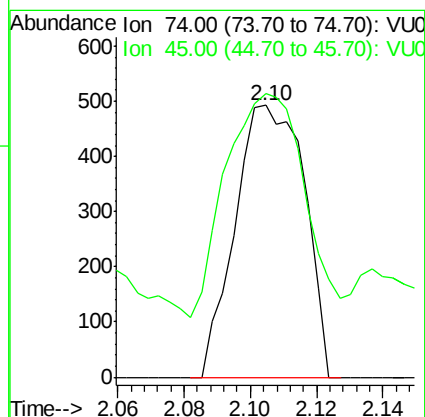
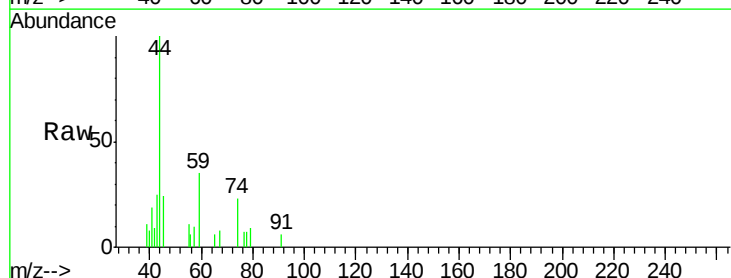
Acq: 21 Jun 2018 19:20

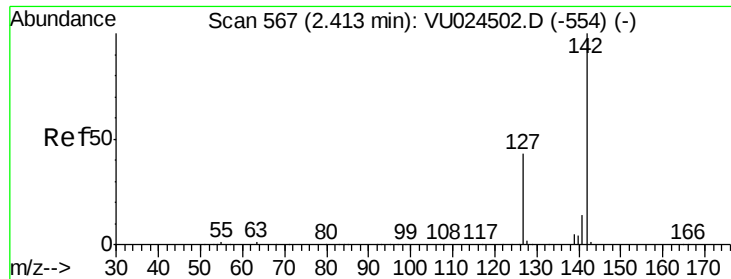
Tgt Ion: 74 Resp: 715

Ion Ratio Lower Upper

74 100

45 133.0 55.0 165.0

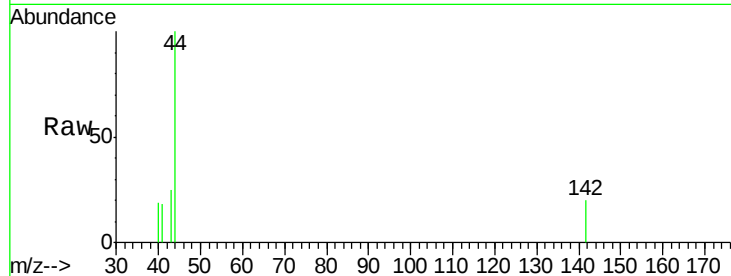




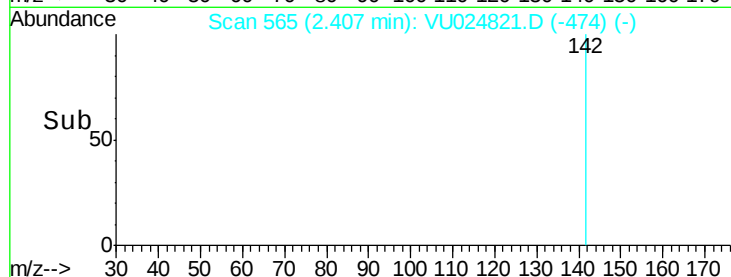
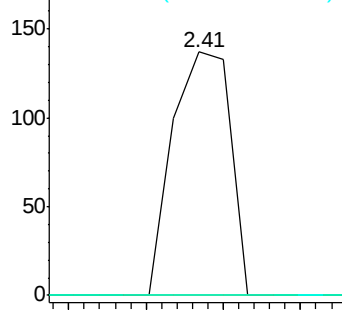
#10
Methvl Iodide
Concen: 5.320 ug/l
RT: 2.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

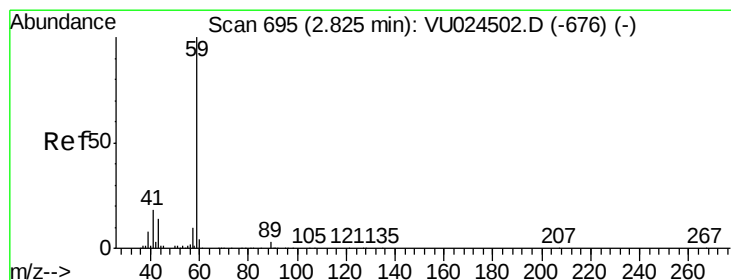
Tot Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



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

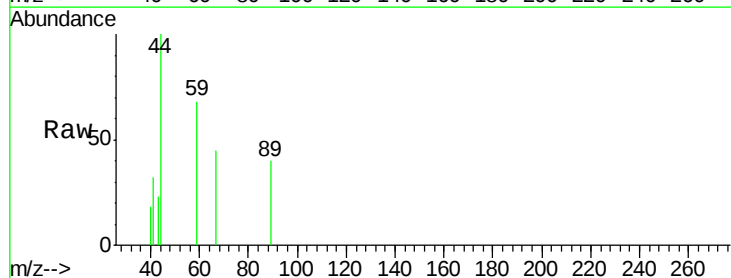


Time-->

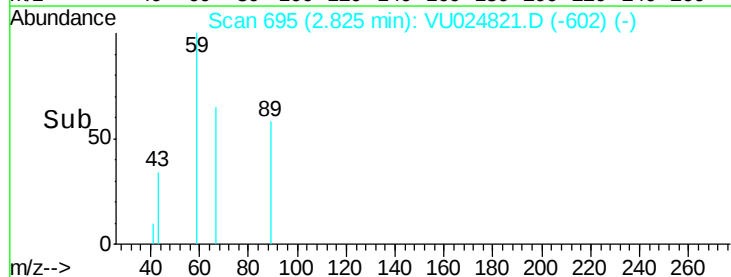
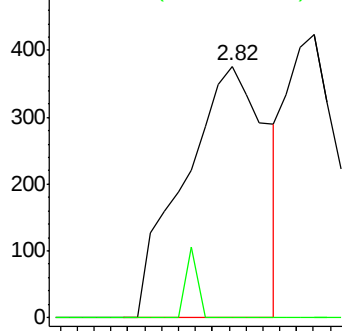


#11
Tert butyl alcohol
Concen: 0.675 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

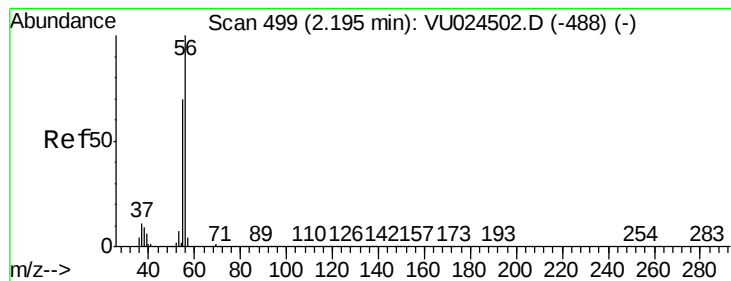
Tgt Ion: 59 Resp: 505
Ion Ratio Lower Upper
59 100
57 4.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



Time-->



#13

Acrolein

Concen: 1.051 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

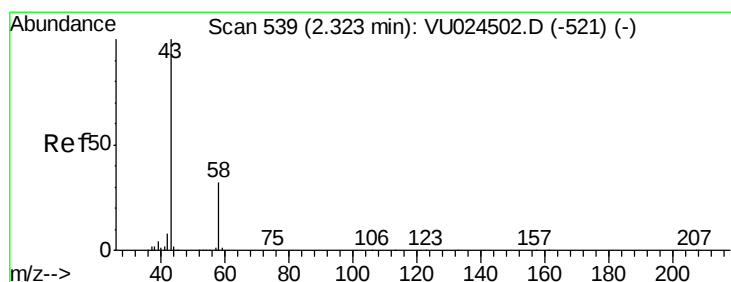
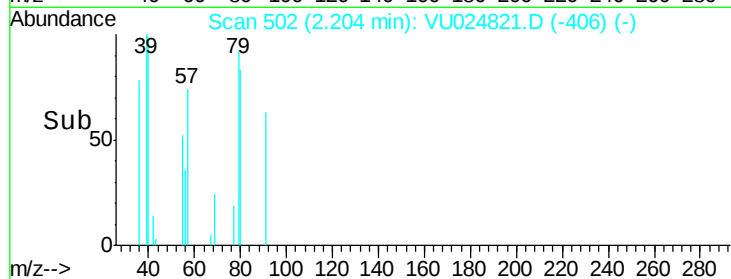
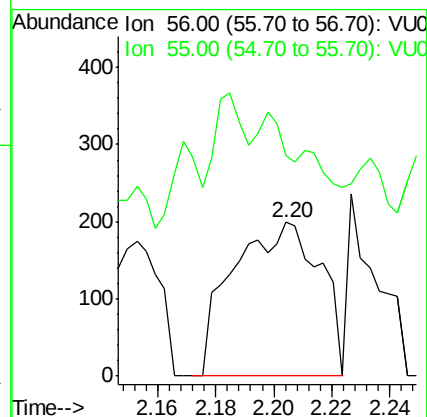
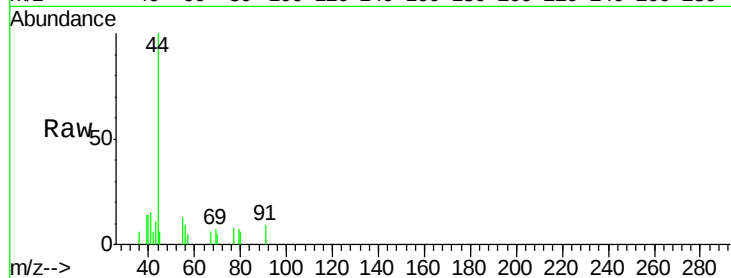
MWHR3-14-061418

Tot Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 19.1 58.4 87.6#



#16

Acetone

Concen: 4.254 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024821.D

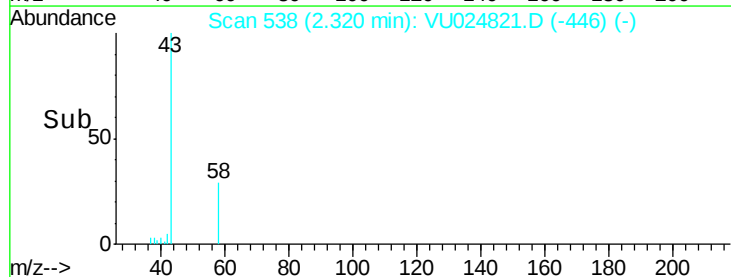
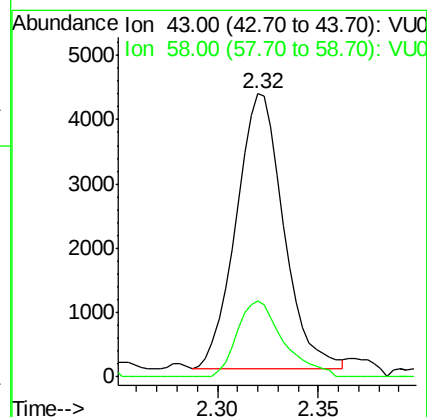
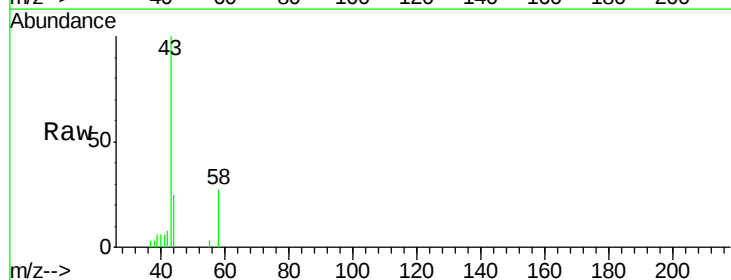
Acq: 21 Jun 2018 19:20

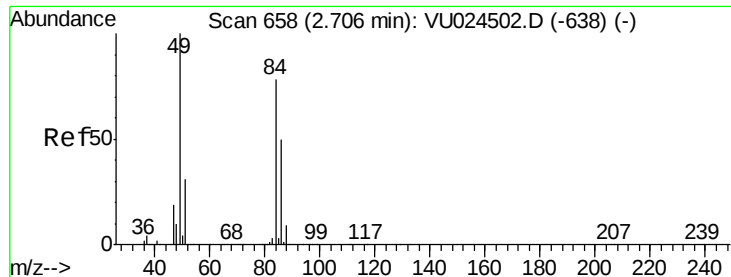
Tgt Ion: 43 Resp: 7035

Ion Ratio Lower Upper

43 100

58 27.6 24.4 36.6





#20

Methylene Chloride

Concen: 0.392 ug/l

RT: 2.70 min Scan# 656

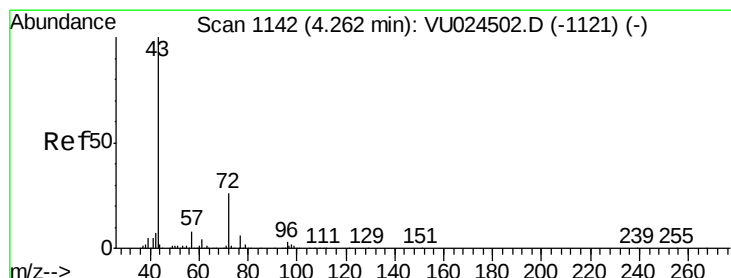
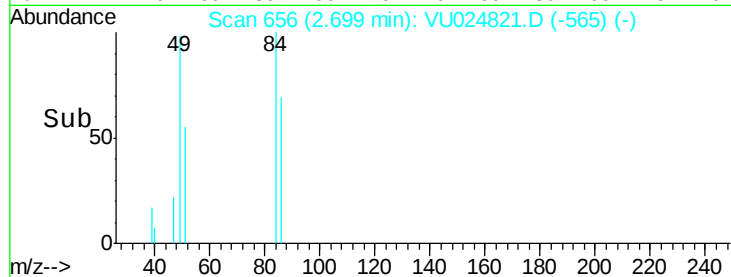
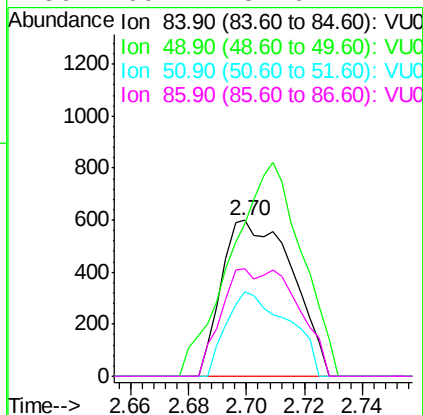
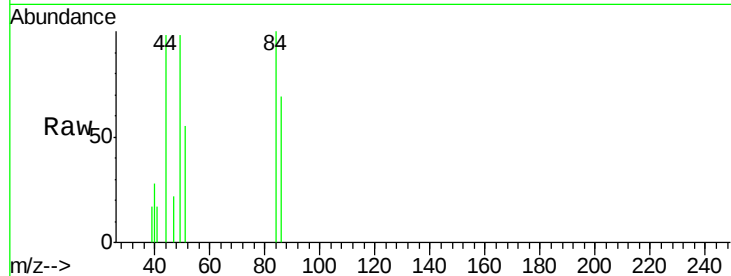
Delta R.T. -0.01 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

Tot Ion:	84	Resp:	1017
Ion	Ratio	Lower	Upper
84	100		
49	98.2	103.8	155.8#
51	54.7	32.0	48.0#
86	69.2	51.6	77.4



#25

2-Butanone

Concen: 0.321 ug/l

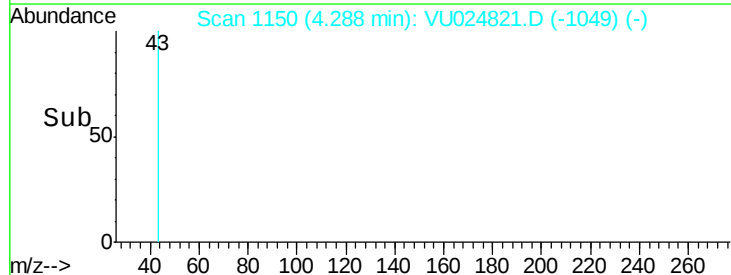
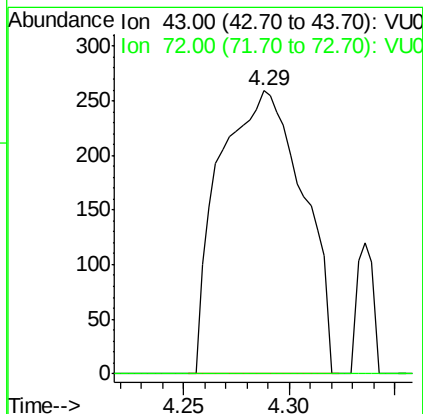
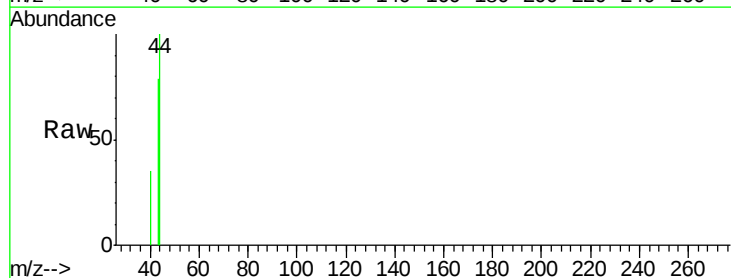
RT: 4.29 min Scan# 1150

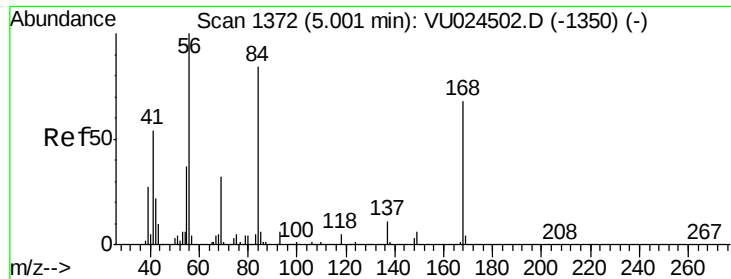
Delta R.T. 0.03 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Tgt Ion:	43	Resp:	714
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.6	29.4#

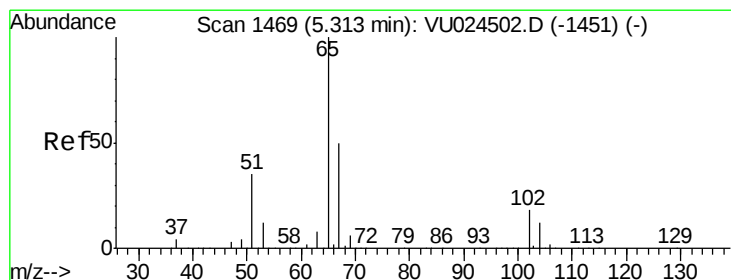
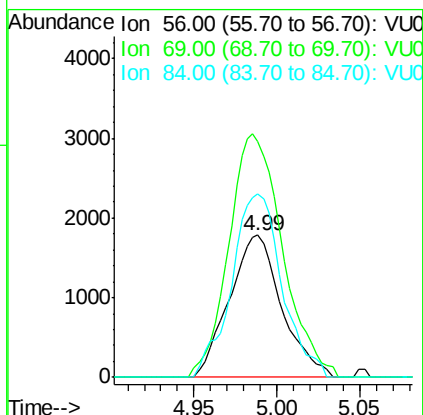
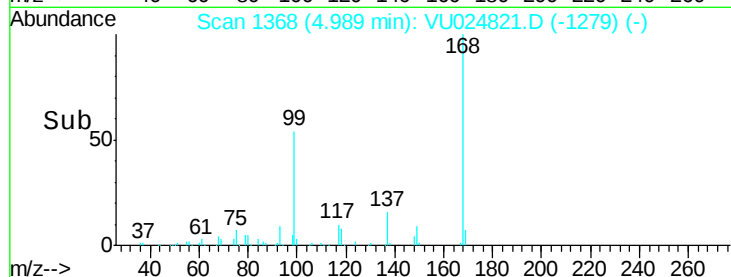
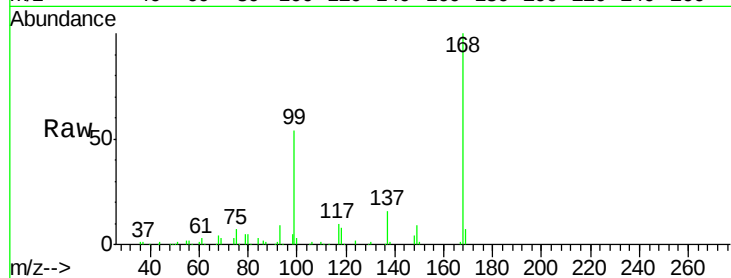




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

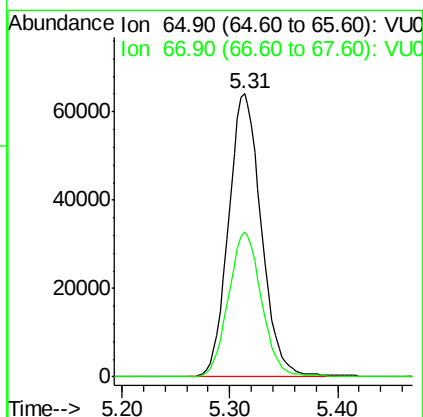
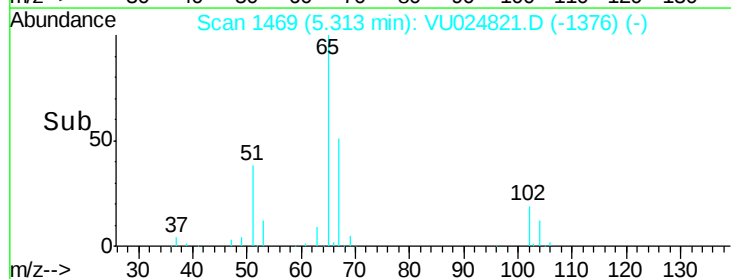
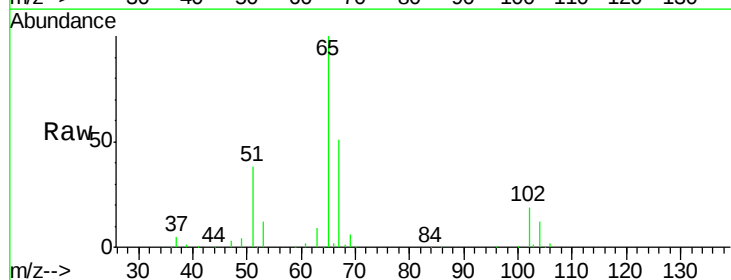
Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

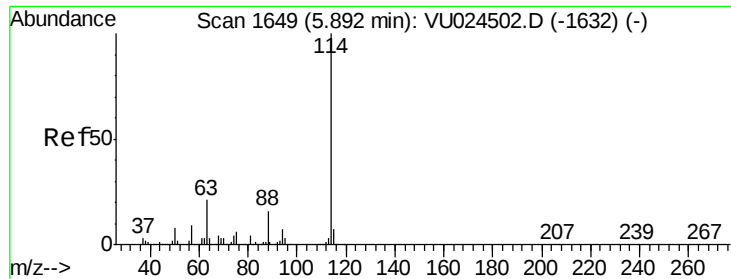
Tot Ion: 56 Resp: 3924
Ion Ratio Lower Upper
56 100
69 166.3 24.8 37.2#
84 128.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 44.148 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

Tgt Ion: 65 Resp: 135896
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.0

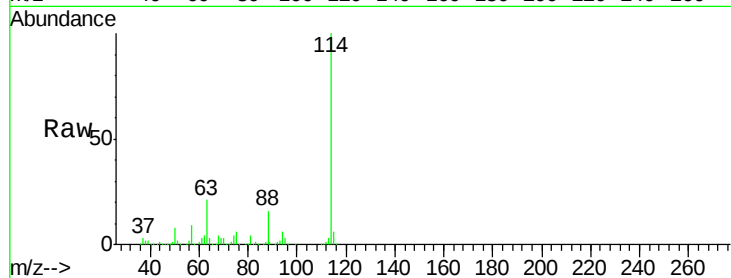




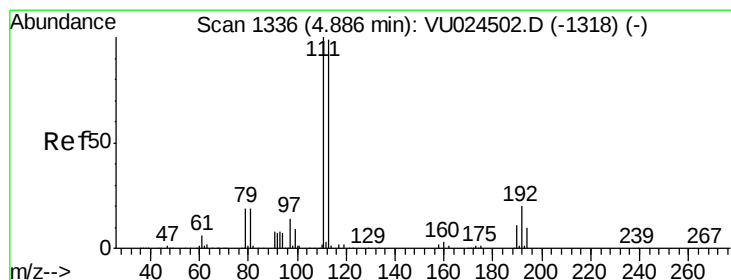
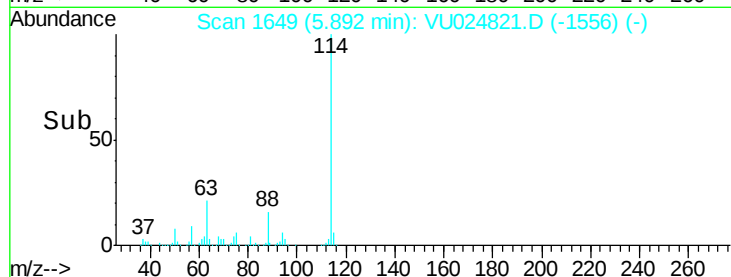
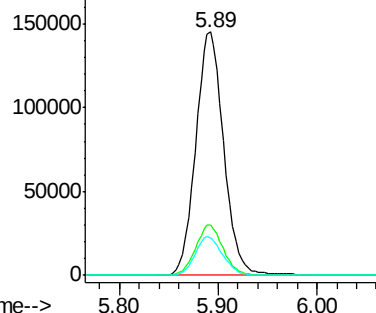
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024821.D
 Acq: 21 Jun 2018 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR3-14-061418

Tot Ion:114	Resp:	287796
Ion Ratio	Lower	Upper
114 100		
63 20.5	0.0	45.4
88 15.6	0.0	31.0

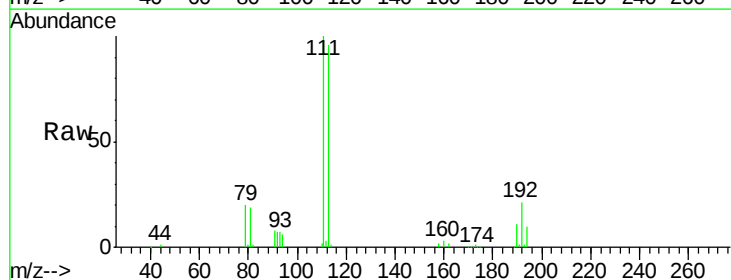


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

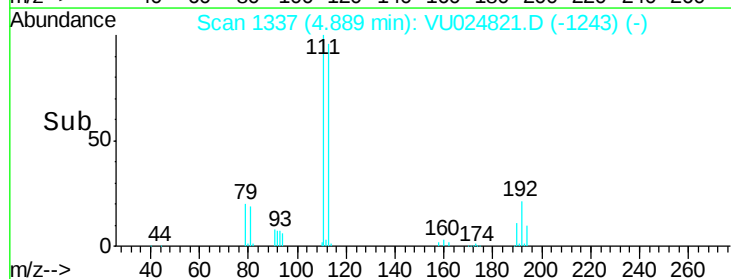
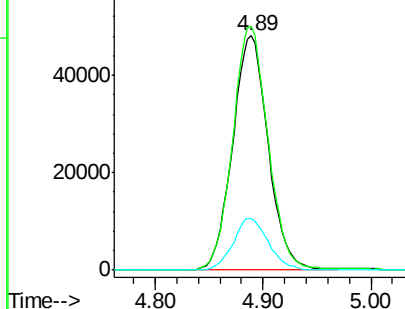


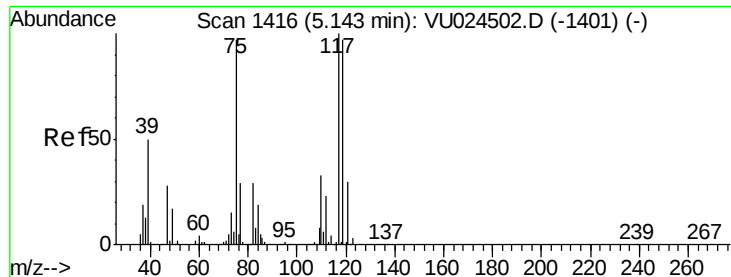
#35
 Dibromofluoromethane
 Concen: 46.255 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024821.D
 Acq: 21 Jun 2018 19:20

Tgt Ion:113	Resp:	110479
Ion Ratio	Lower	Upper
113 100		
111 103.3	82.2	123.4
192 21.9	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: 4.021 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

MWHR3-14-061418

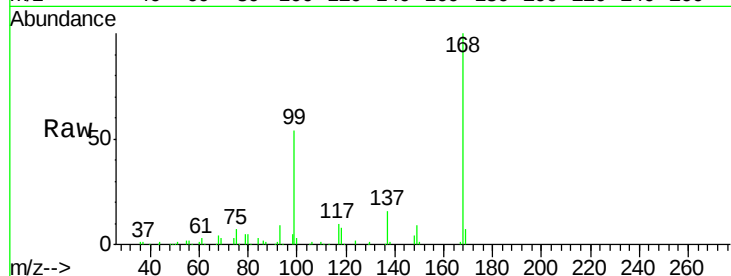
Tot Ion: 75 Resp: 13599

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024821.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU024821.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU024821.D (-1368) (-)

Time-->

4.99

6000

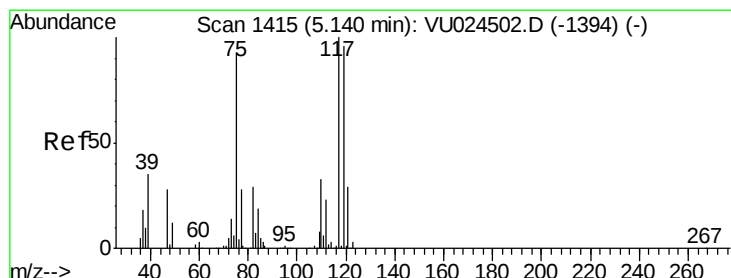
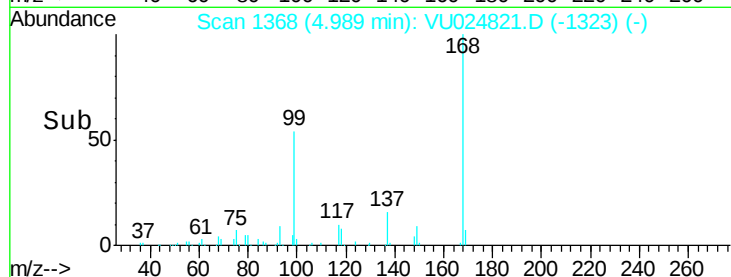
4000

2000

0

4.90 4.95 5.00 5.05

Time-->



#38

Carbon Tetrachloride

Concen: 4.710 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

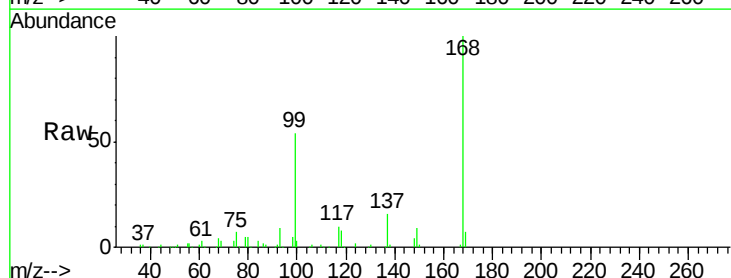
Tgt Ion: 117 Resp: 17516

Ion Ratio Lower Upper

117 100

119 3.3 76.1 114.1#

121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): VU024821.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU024821.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU024821.D (-1368) (-)

Time-->

4.99

10000

8000

6000

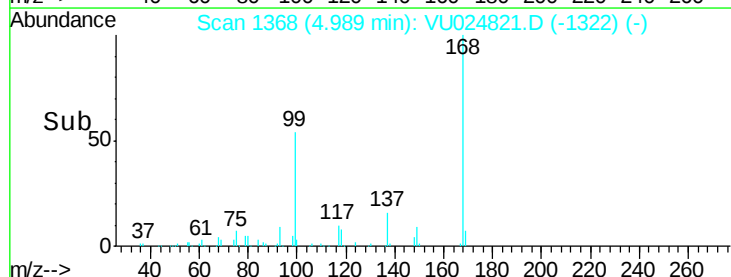
4000

2000

0

4.90 4.95 5.00 5.05

Time-->

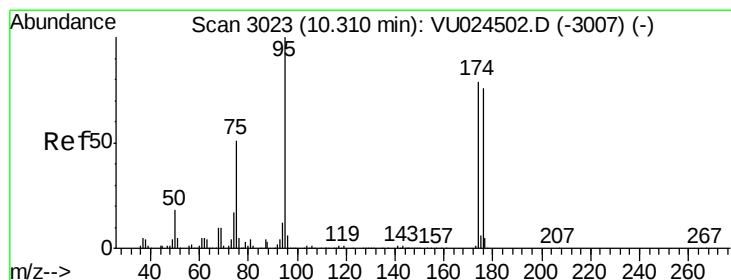
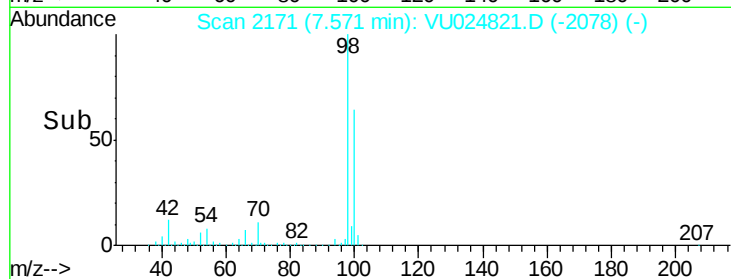
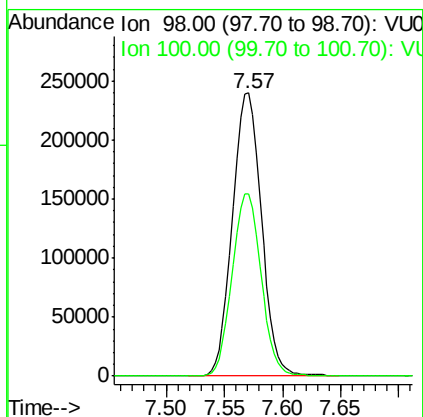
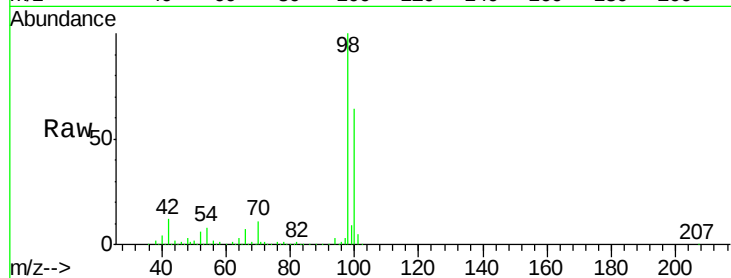




#50
Toluene-d8
Concen: 47.792 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

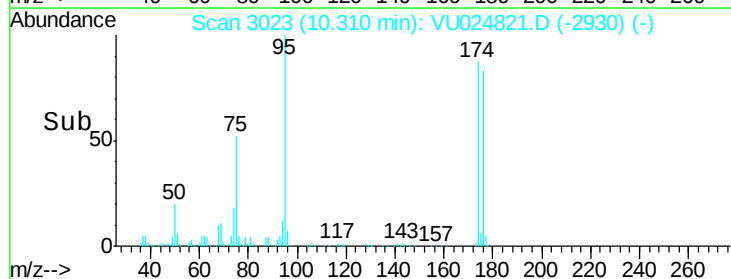
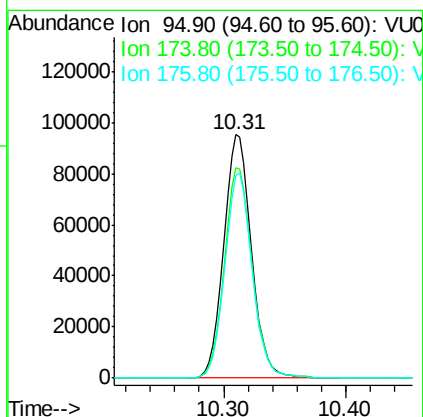
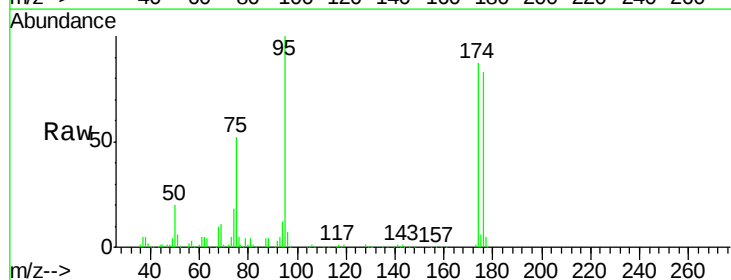
Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

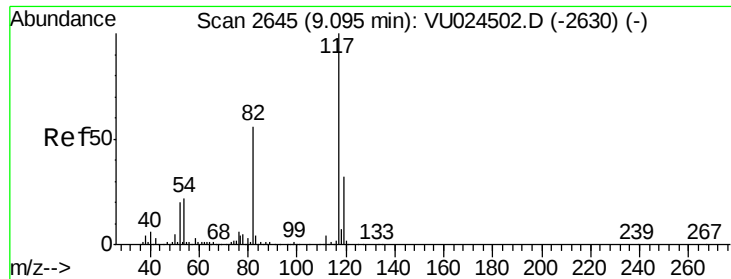
Tot Ion: 98 Resp: 416374
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.991 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

Tgt Ion: 95 Resp: 152170
Ion Ratio Lower Upper
95 100
174 86.8 0.0 165.8
176 83.4 0.0 159.4

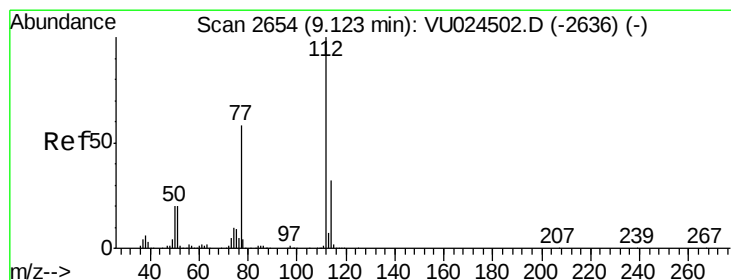
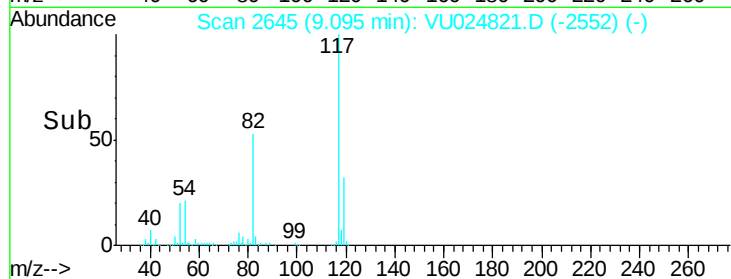
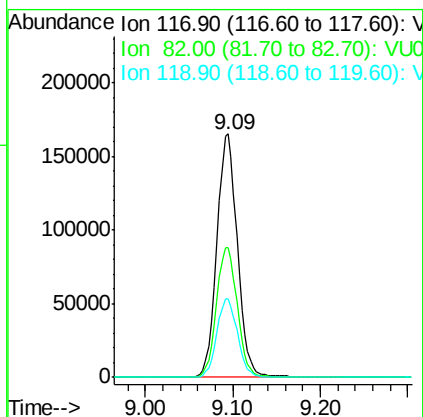
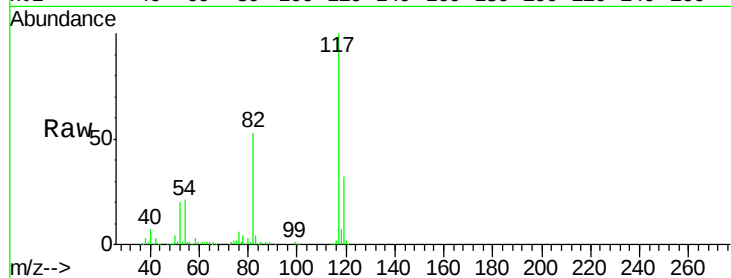




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

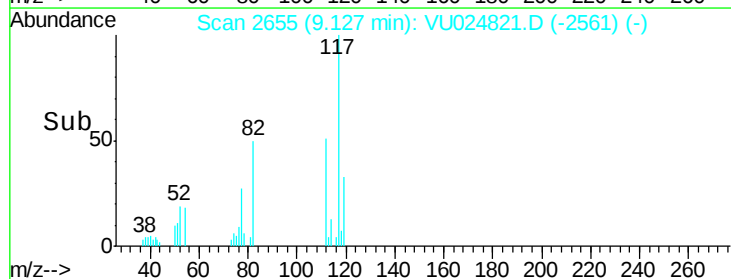
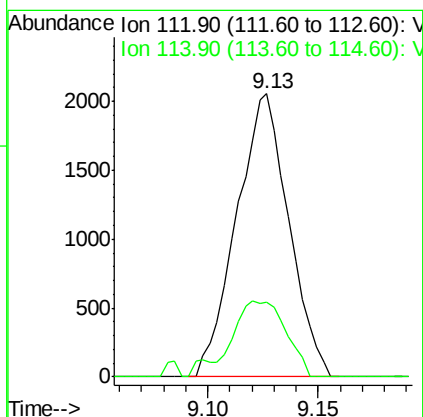
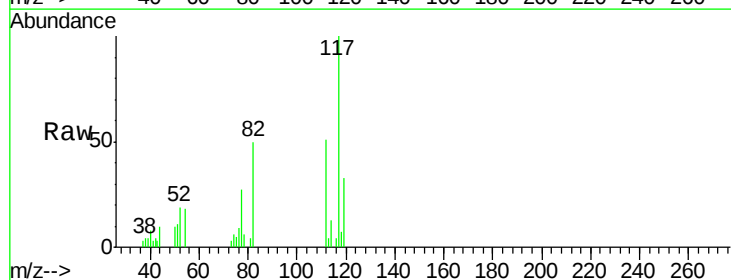
Instrument :
MSVOA_U
ClientSampleId :
MWHR3-14-061418

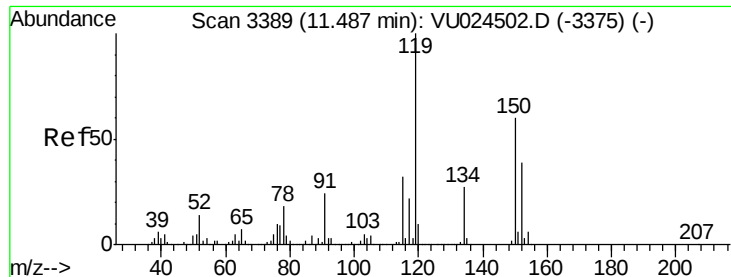
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.3	66.5
119	32.1	25.4	38.2



#65
Chlorobenzene
Concen: 0.489 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024821.D
Acq: 21 Jun 2018 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	26.2	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

MWHR3-14-061418

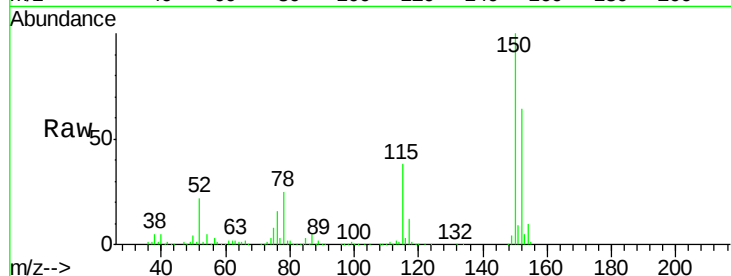
Tot Ion:152 Resp: 141784

Ion Ratio Lower Upper

152 100

115 59.3 43.0 129.0

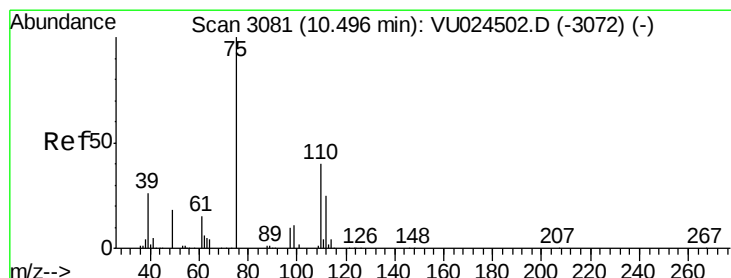
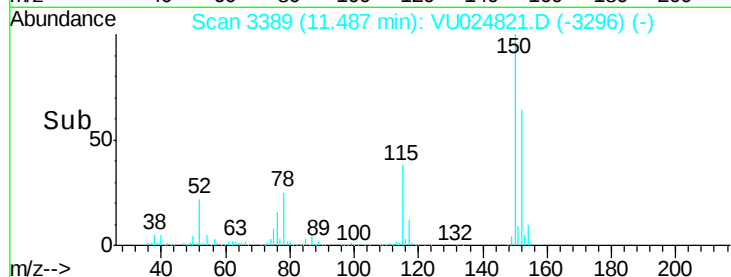
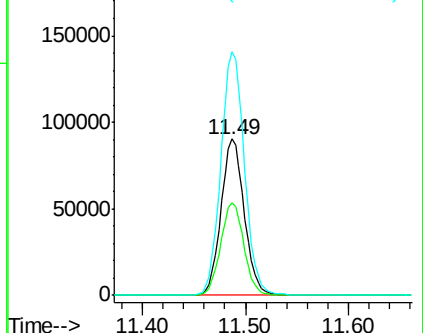
150 157.7 0.0 354.0



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: 25.582 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024821.D

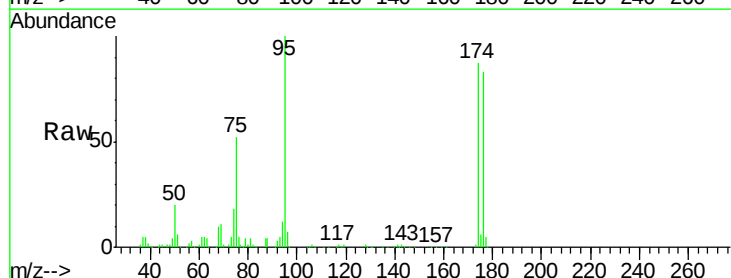
Acq: 21 Jun 2018 19:20

Tgt Ion: 75 Resp: 79855

Ion Ratio Lower Upper

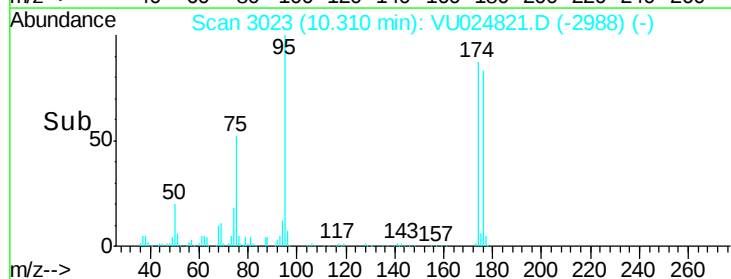
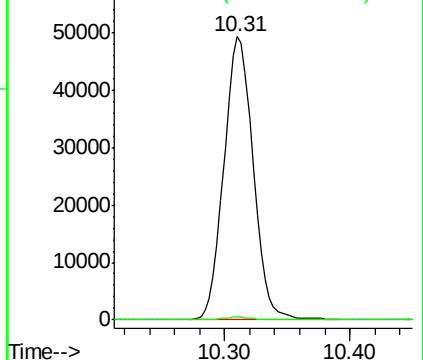
75 100

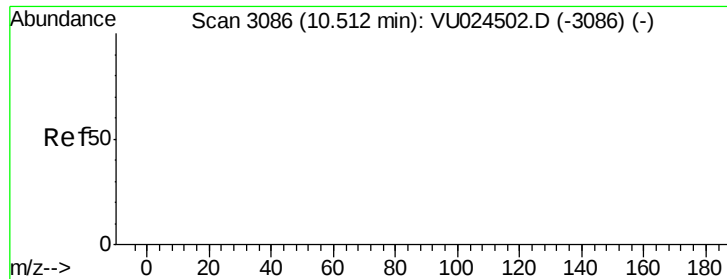
77 0.9 20.9 62.7#



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: 59.207 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024821.D

Acq: 21 Jun 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

MWHR3-14-061418

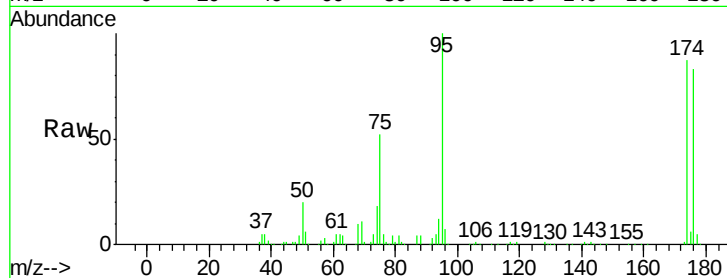
Tot Ion: 75 Resp: 79855

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

