

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024819.D
 Acq On : 21 Jun 2018 18:31
 Operator : MD/SY
 Sample : J3552-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-10-061418

Quant Time: Jun 22 03:52:57 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	184880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	281995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142259	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	133246	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	
35) Dibromofluoromethane	4.89	113	110722	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	7.57	98	415541	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	10.31	95	152086	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

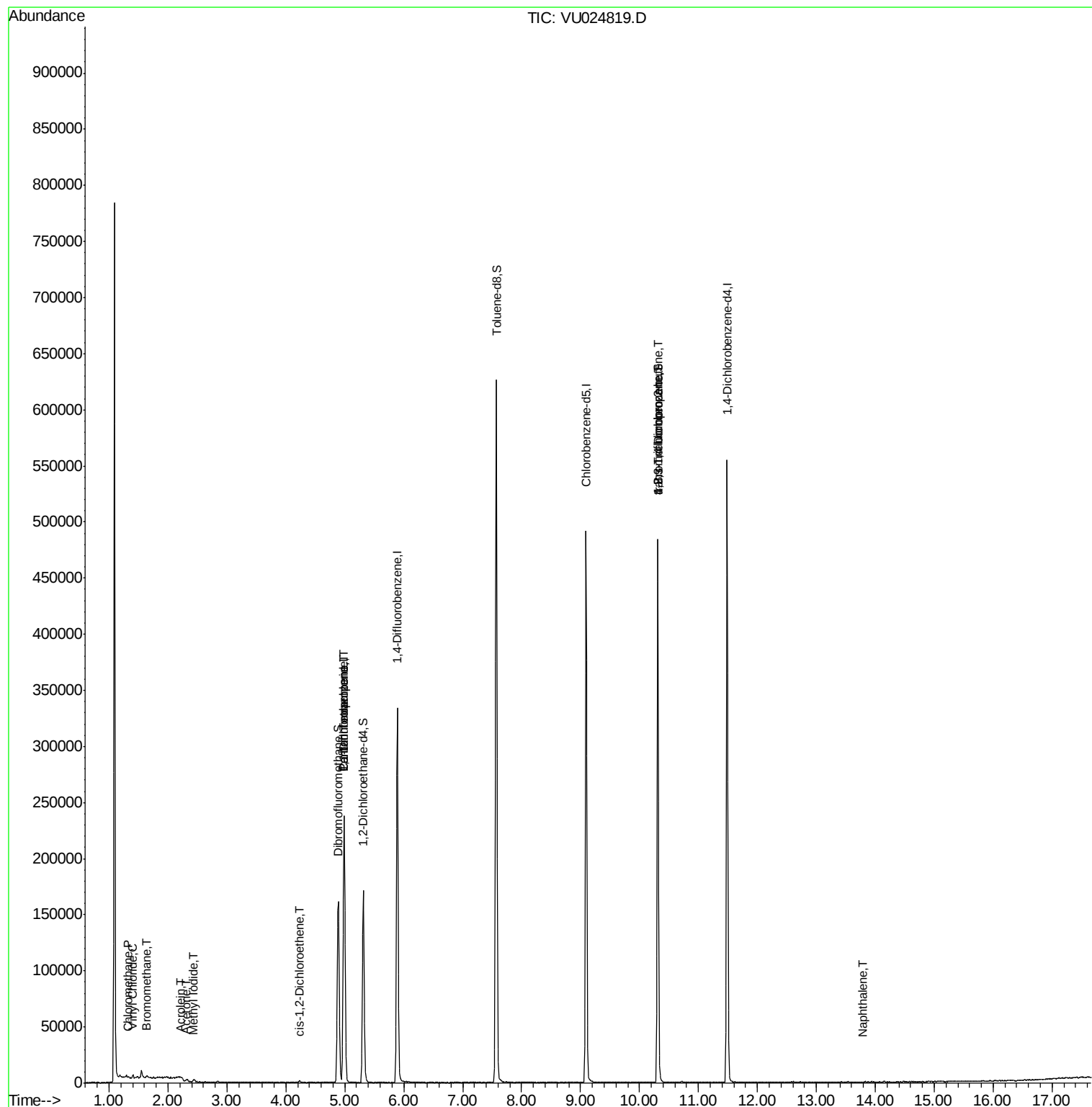
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1025	0.434	ug/l	91
4) Vinyl Chloride	1.40	62	1556	0.638	ug/l #	87
5) Bromomethane	1.63	94	440	0.373	ug/l	94
6) Chloroethane	1.67	64	91	Below Cal	#	43
10) Methyl Iodide	2.42	142	181	5.371	ug/l #	40
13) Acrolein	2.20	56	292	0.758	ug/l	86
16) Acetone	2.32	43	2482	1.531	ug/l #	75
27) cis-1,2-Dichloroethene	4.24	96	1004	0.377	ug/l	55
31) Cyclohexane	4.99	56	3905	Below Cal	#	18
36) 1,1-Dichloropropene	4.99	75	13258	4.001	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17854	4.900	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	77938	24.884	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	77938	57.592	ug/l #	100
95) Naphthalene	13.79	128	42	0.683	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
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: VU024819.D

Acq: 21 Jun 2018 18:31

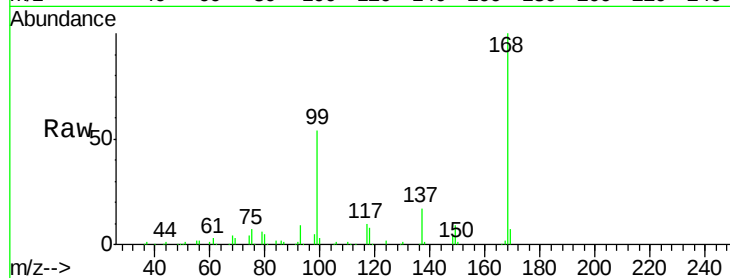
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-10-061418

Tot Ion:168 Resp: 184880

Ion Ratio Lower Upper

168 100

99 53.8 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) (-)

4.99

80000

60000

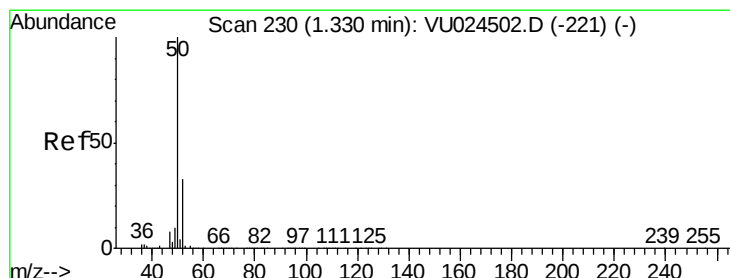
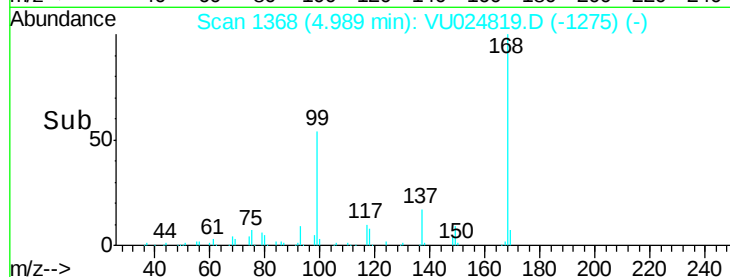
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.434 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024819.D

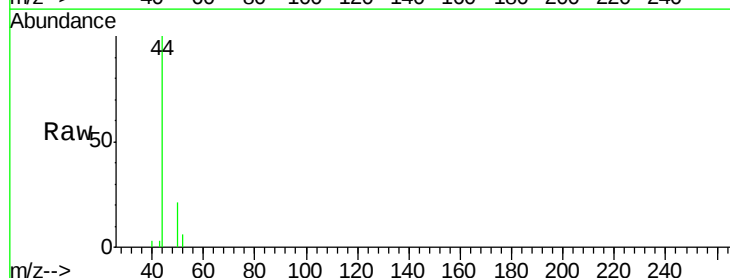
Acq: 21 Jun 2018 18:31

Tgt Ion: 50 Resp: 1025

Ion Ratio Lower Upper

50 100

52 28.2 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) (-)

1.33

1000

800

600

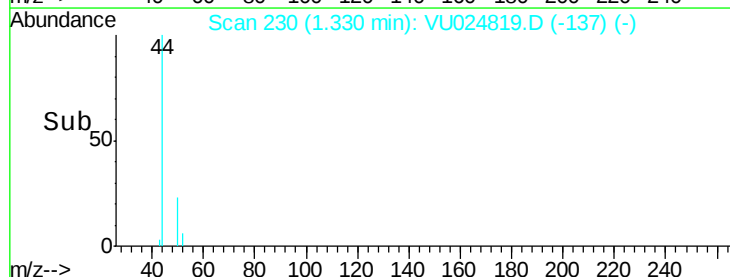
400

200

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 0.638 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

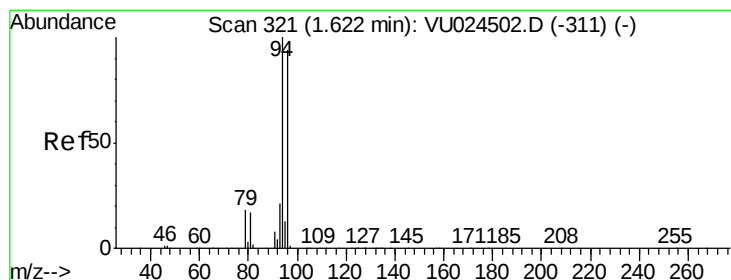
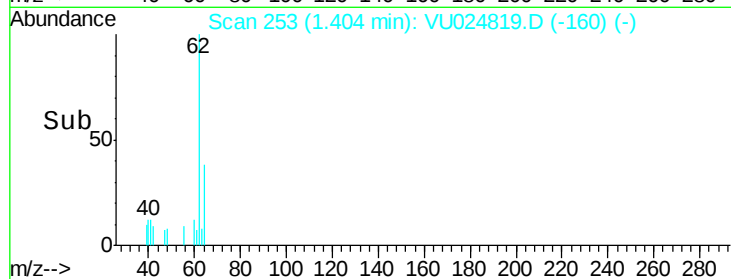
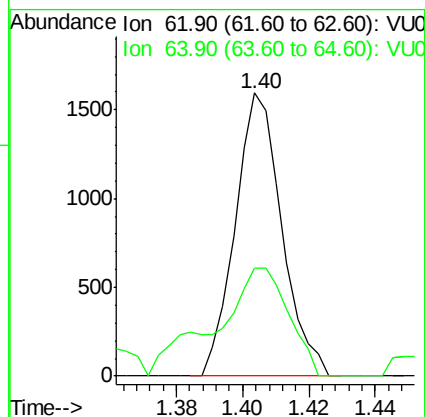
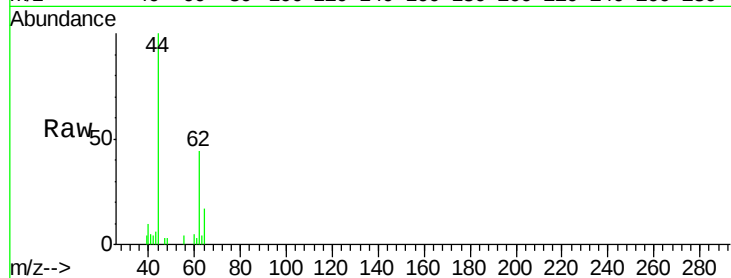
MWHR2-10-061418

Tot Ion: 62 Resp: 1556

Ion Ratio Lower Upper

62 100

64 38.1 24.8 37.2#



#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024819.D

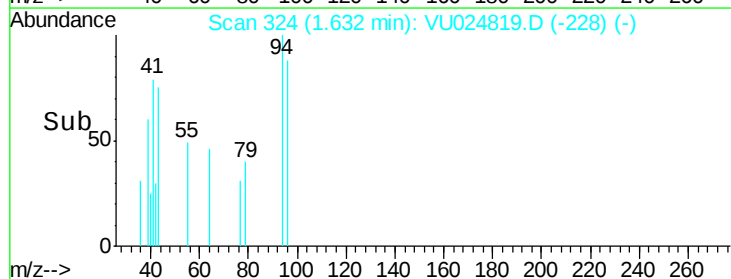
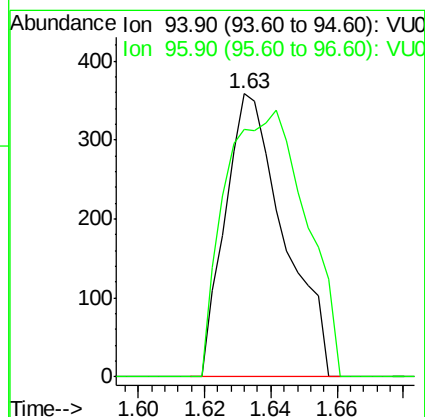
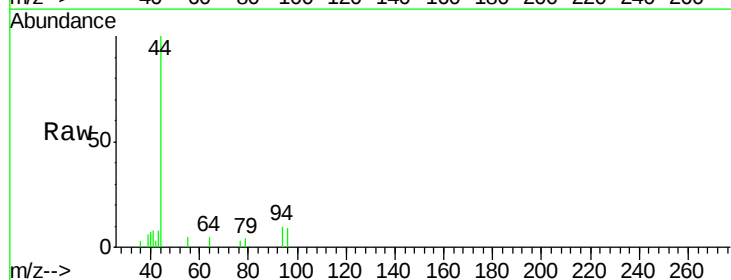
Acq: 21 Jun 2018 18:31

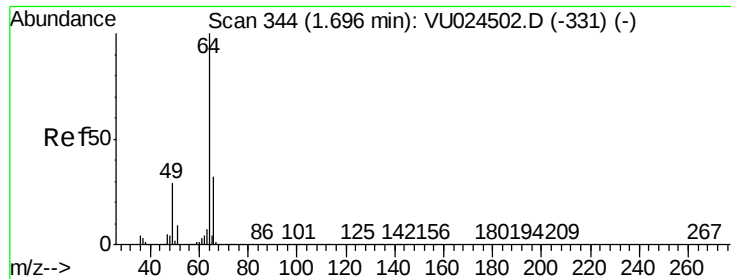
Tgt Ion: 94 Resp: 440

Ion Ratio Lower Upper

94 100

96 87.7 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

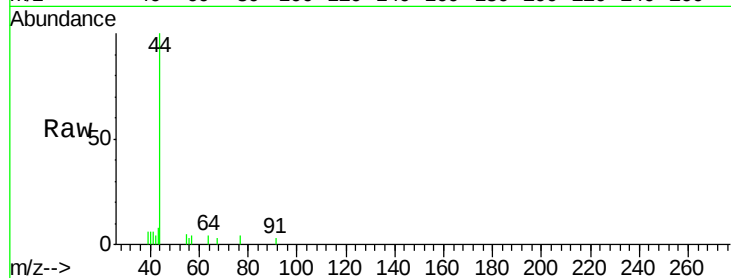
MWHR2-10-061418

Tot Ion: 64 Resp: 91

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

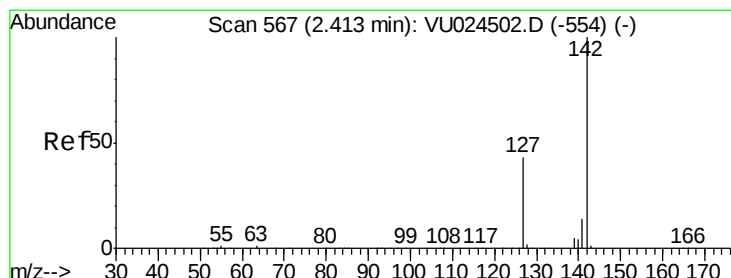
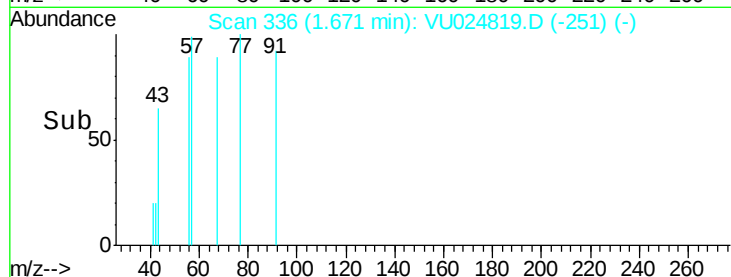
1.67

100

50

0

Time--> 1.65 1.66 1.67 1.68 1.69



#10

Methyl Iodide

Concen: 5.371 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

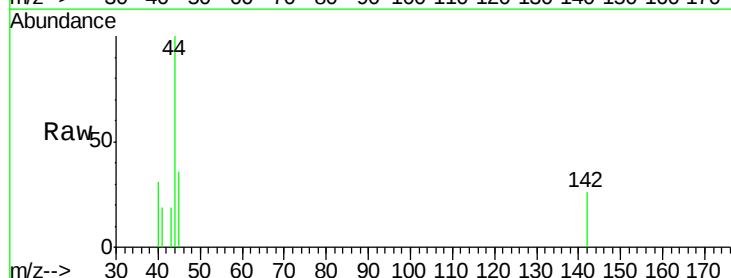
Tgt Ion: 142 Resp: 181

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

2.42

200

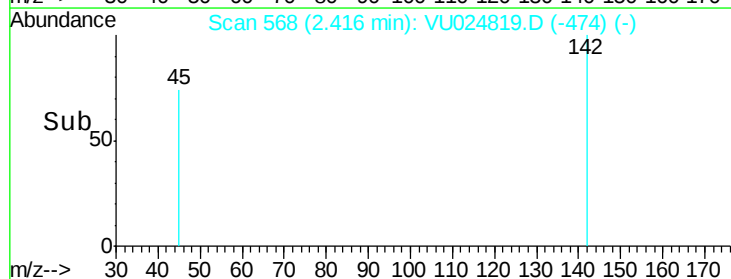
150

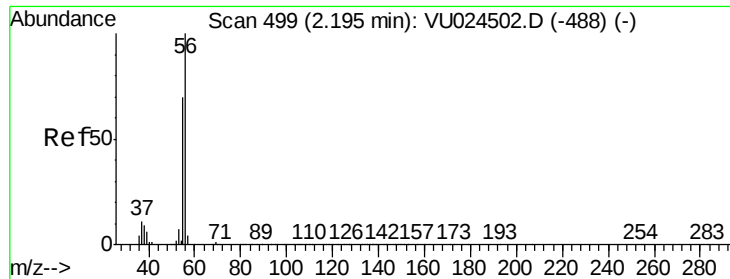
100

50

0

Time--> 2.40 2.42 2.44

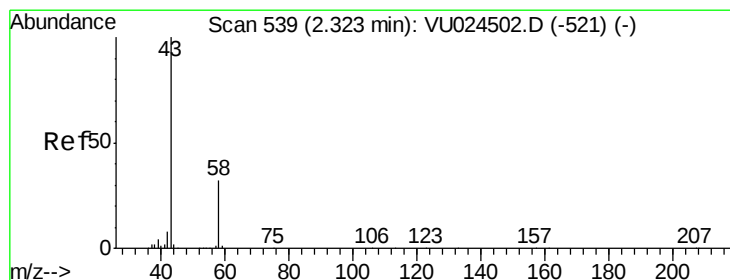
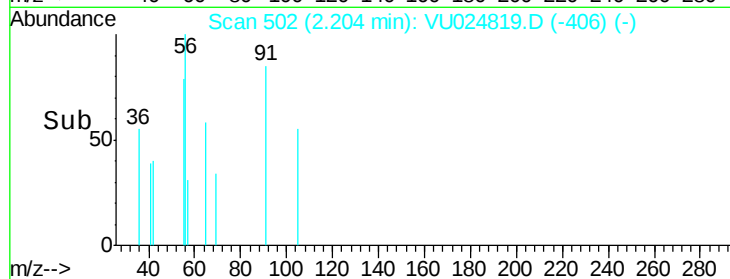
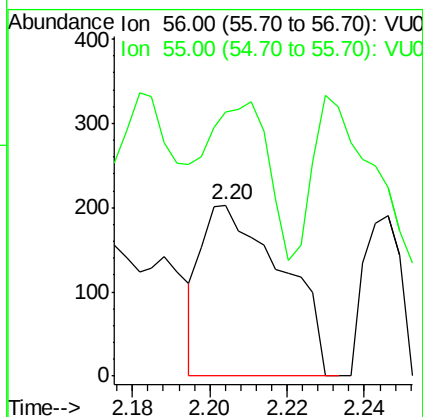
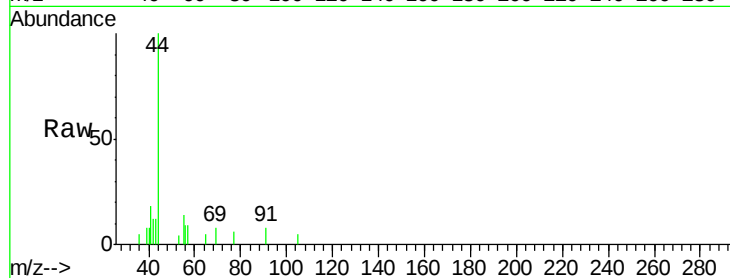




#13
Acrolein
Concen: 0.758 ug/l
RT: 2.20 min Scan# 502
Delta R.T. 0.01 min
Lab File: VU024819.D
Acq: 21 Jun 2018 18:31

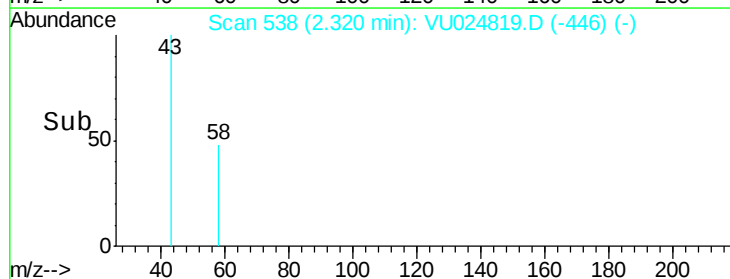
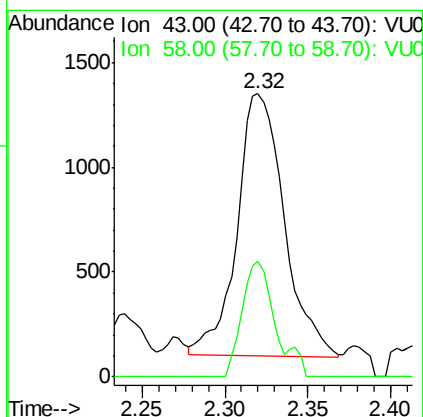
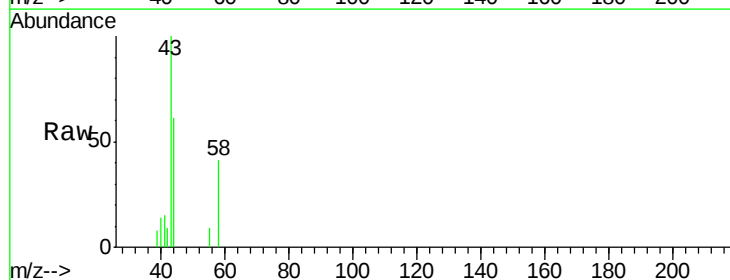
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-10-061418

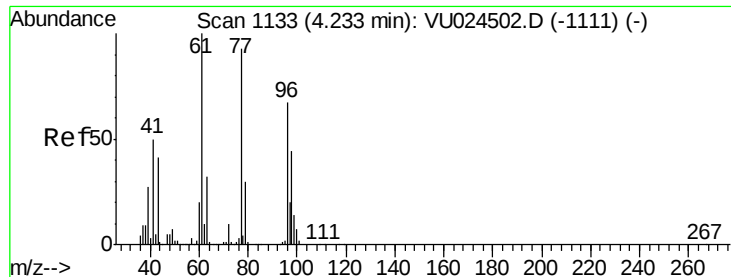
Tot Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 61.3 58.4 87.6



#16
Acetone
Concen: 1.531 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU024819.D
Acq: 21 Jun 2018 18:31

Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
58 44.3 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 0.377 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-10-061418

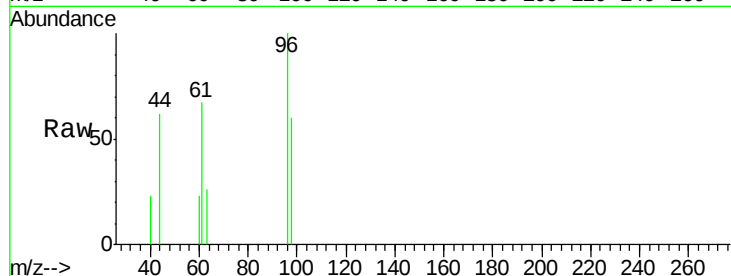
Tot Ion: 96 Resp: 1004

Ion Ratio Lower Upper

96 100

61 73.2 0.0 306.6

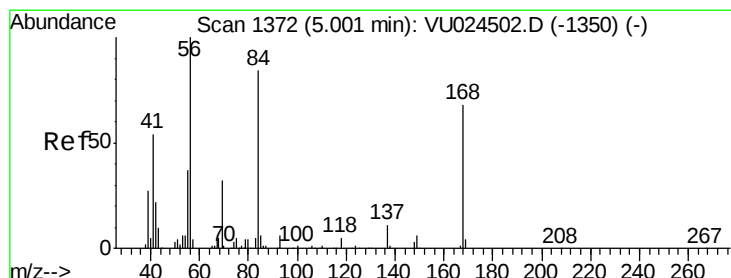
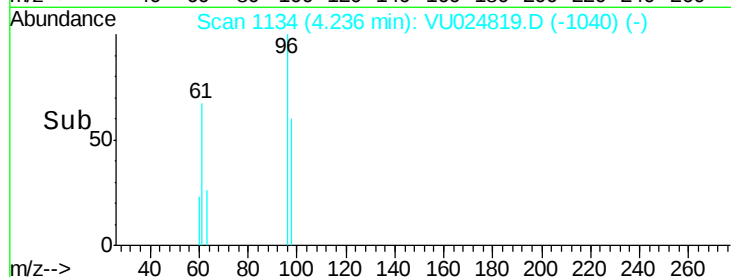
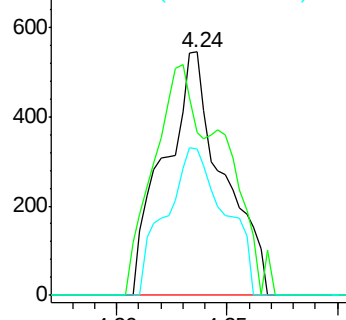
98 61.1 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

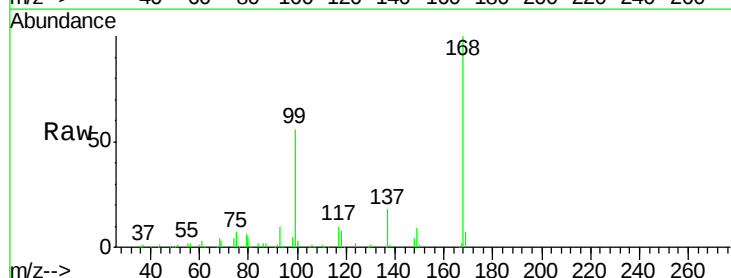
Tgt Ion: 56 Resp: 3905

Ion Ratio Lower Upper

56 100

69 150.7 24.8 37.2#

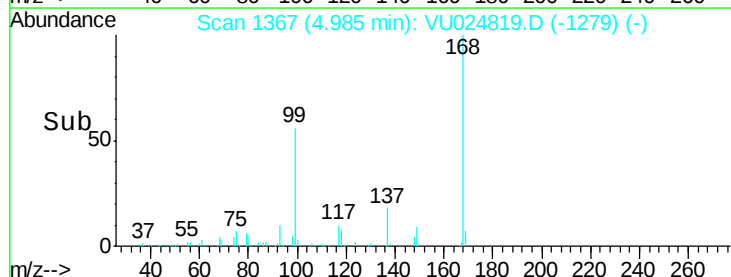
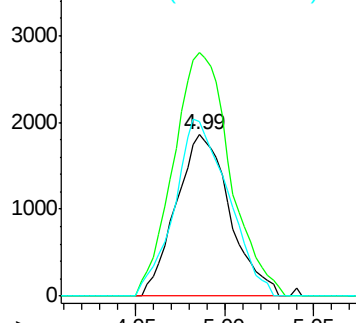
84 108.2 65.2 97.8#



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

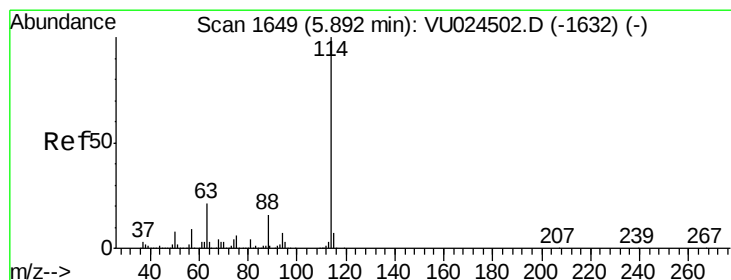
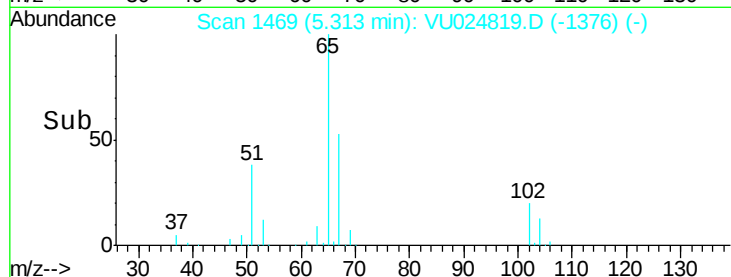
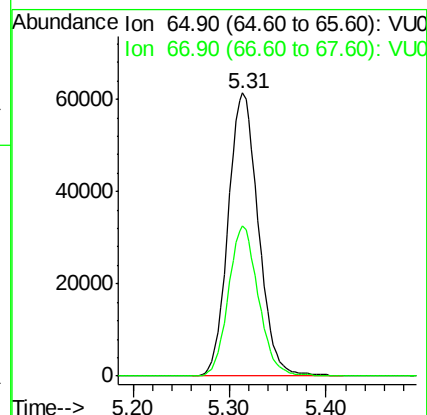
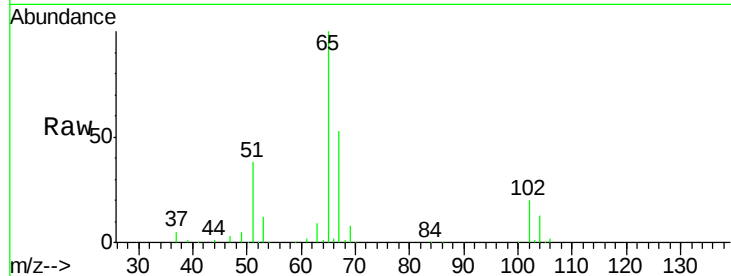




#33
 1,2-Dichloroethane-d4
 Concen: 44.147 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024819.D
 Acq: 21 Jun 2018 18:31

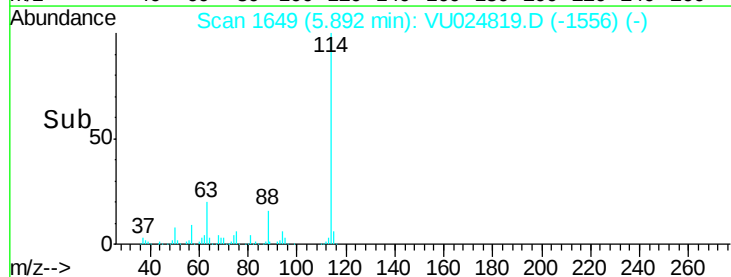
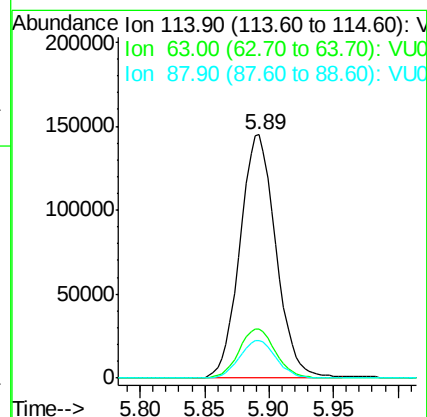
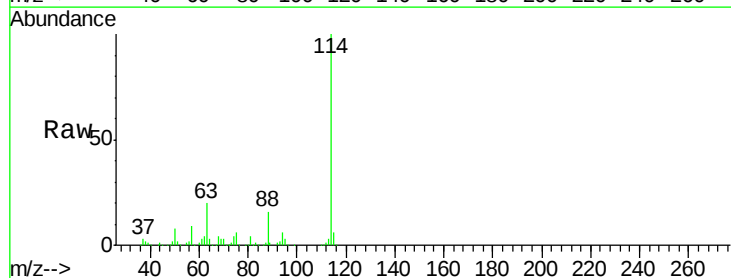
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 MWHR2-10-061418

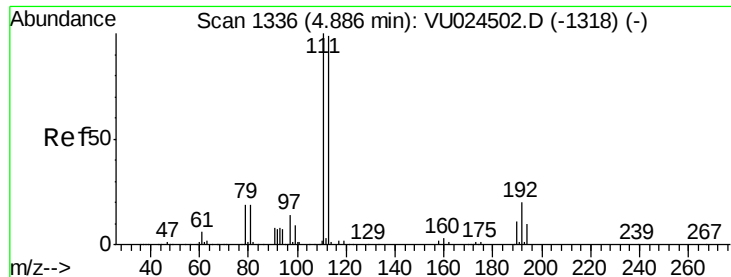
Tot Ion: 65 Resp: 133246
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024819.D
 Acq: 21 Jun 2018 18:31

Tgt Ion: 114 Resp: 281995
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 15.5 0.0 31.0

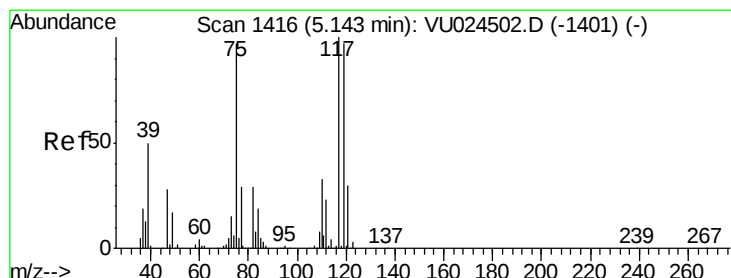
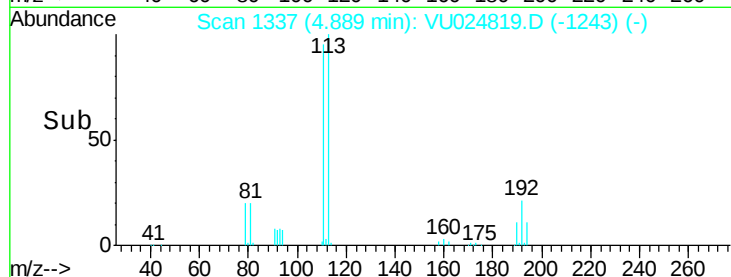
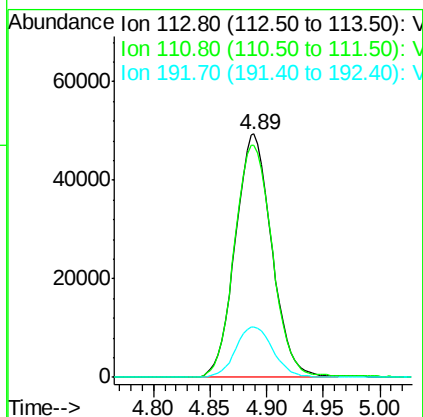
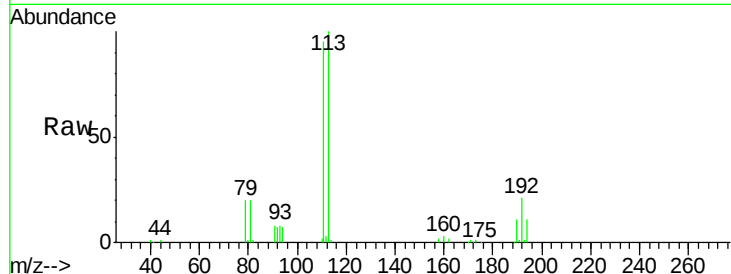




#35
 Dibromofluoromethane
 Concen: 47.310 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024819.D
 Acq: 21 Jun 2018 18:31

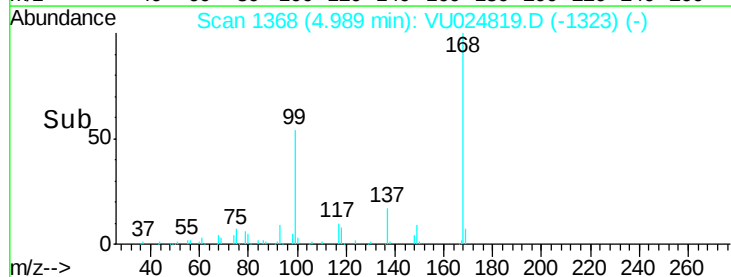
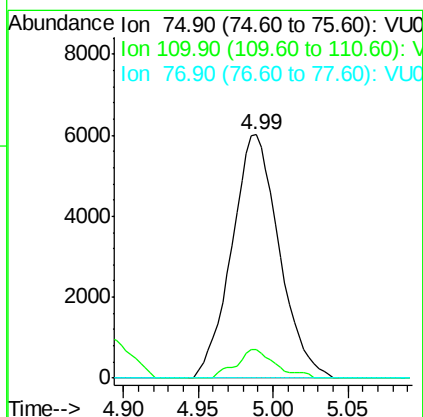
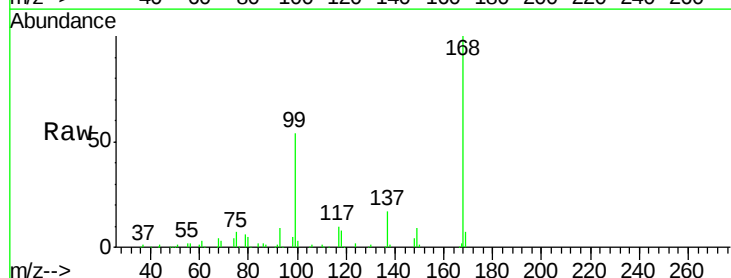
Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-10-061418

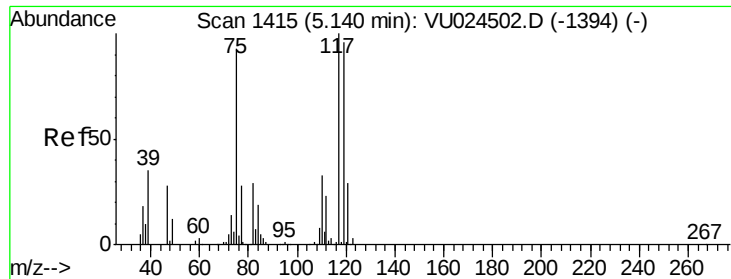
Tot Ion:113 Resp: 110722
 Ion Ratio Lower Upper
 113 100
 111 98.7 82.2 123.4
 192 21.4 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.001 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024819.D
 Acq: 21 Jun 2018 18:31

Tgt Ion: 75 Resp: 13258
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.900 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-10-061418

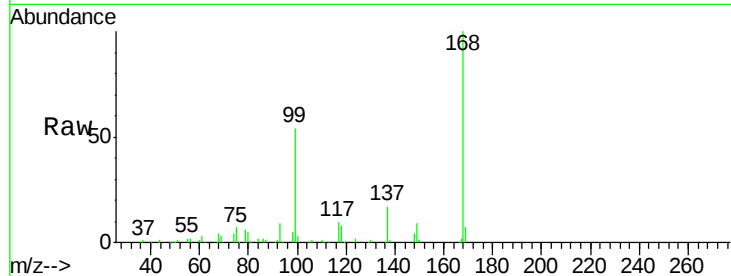
Tot Ion:117 Resp: 17854

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

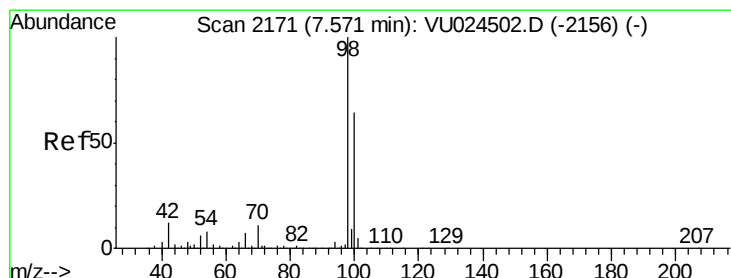
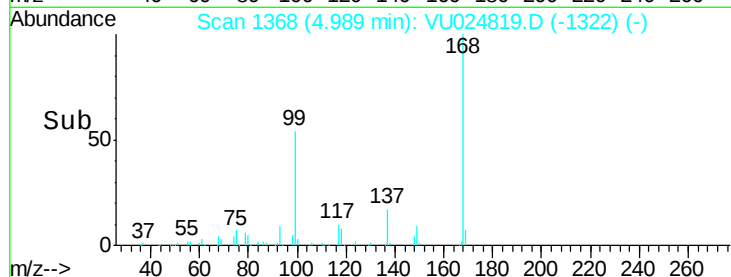
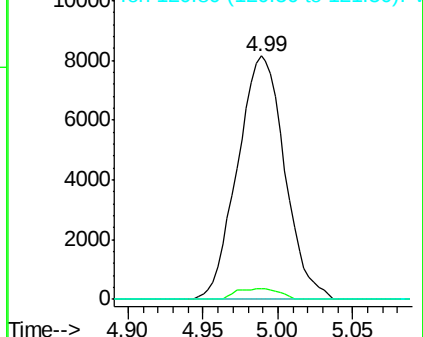
121 0.0 23.7 35.5#



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: 48.677 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024819.D

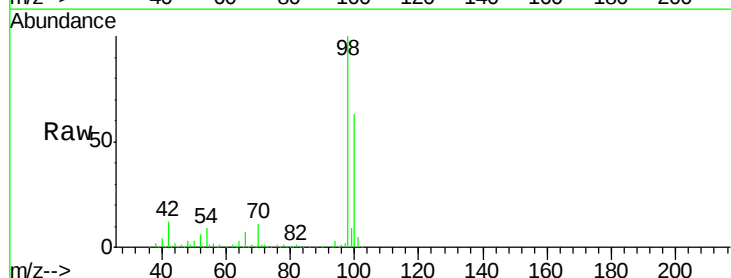
Acq: 21 Jun 2018 18:31

Tgt Ion: 98 Resp: 415541

Ion Ratio Lower Upper

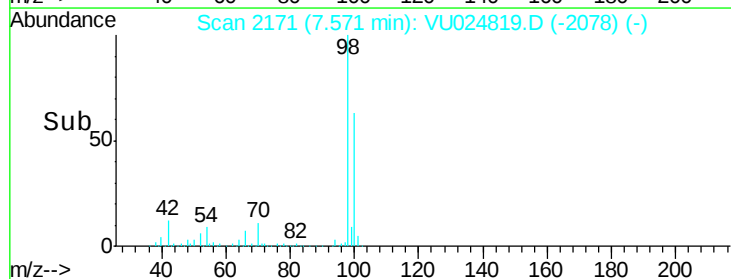
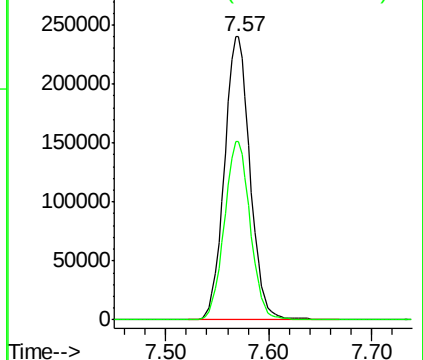
98 100

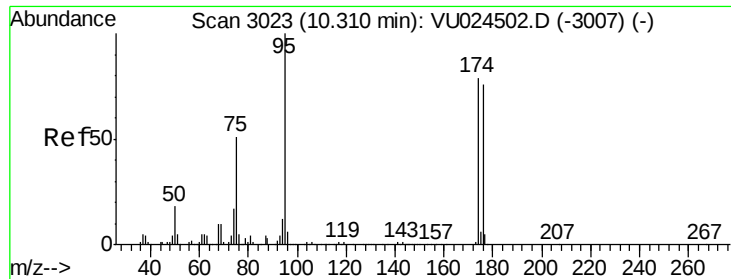
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.871 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-10-061418

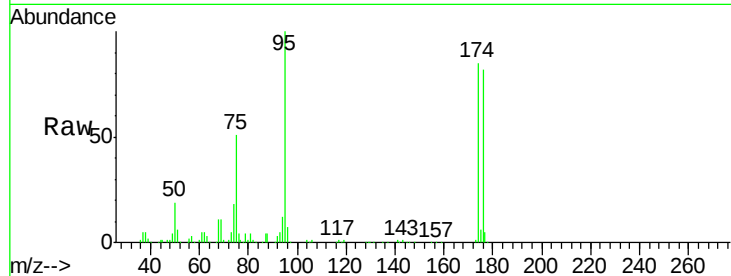
Tot Ion: 95 Resp: 152086

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

176 83.0 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

120000

100000

80000

60000

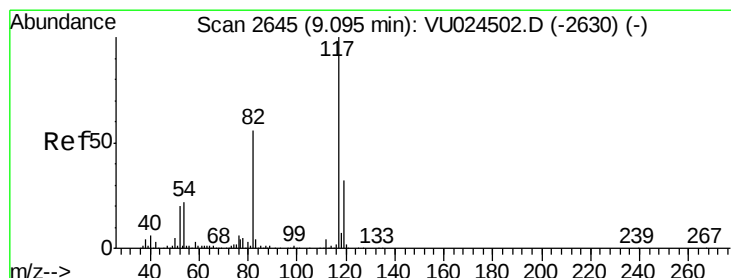
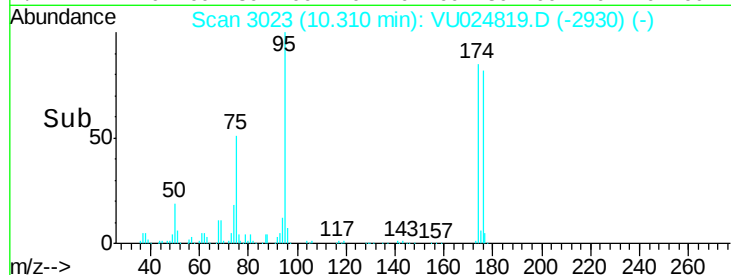
40000

20000

0

10.31

Time--> 10.20 10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

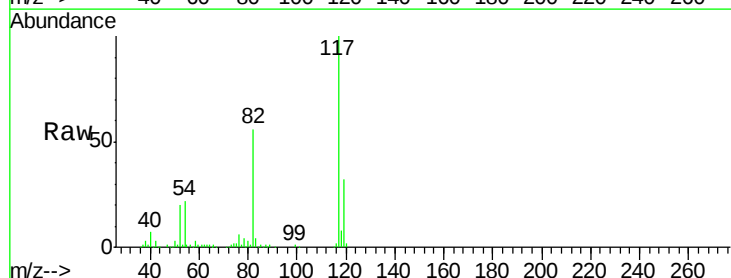
Tgt Ion: 117 Resp: 267257

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

200000

150000

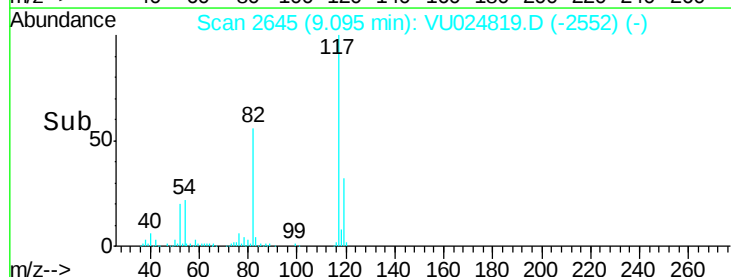
100000

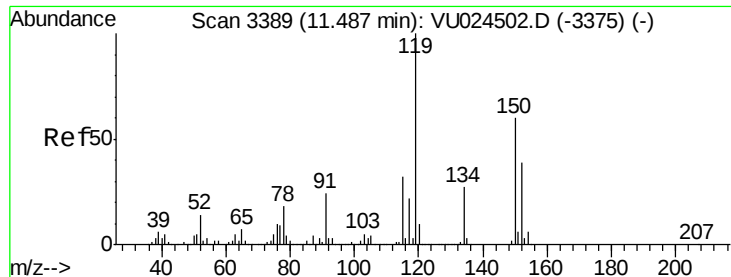
50000

0

9.09

Time--> 9.00 9.10 9.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-10-061418

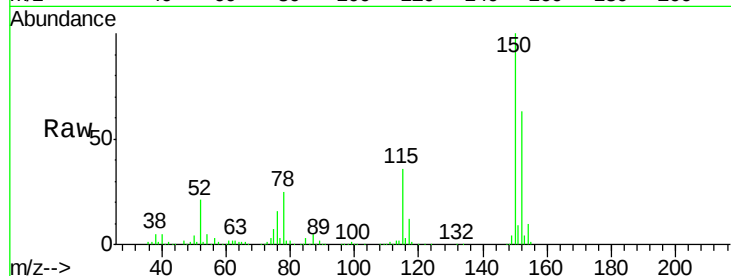
Tot Ion:152 Resp: 142259

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

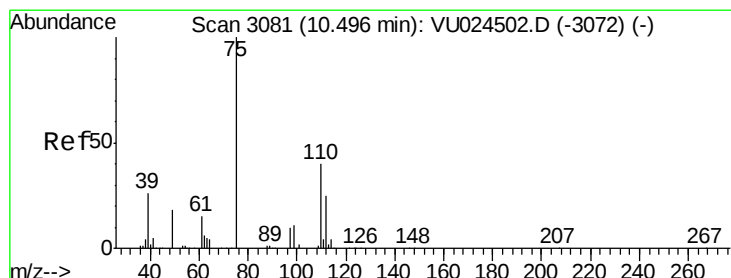
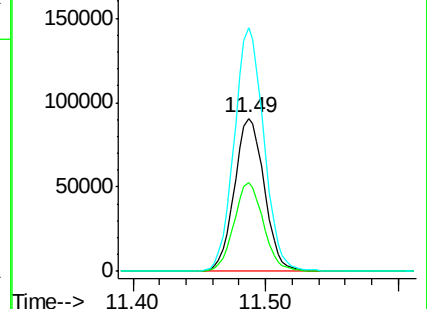
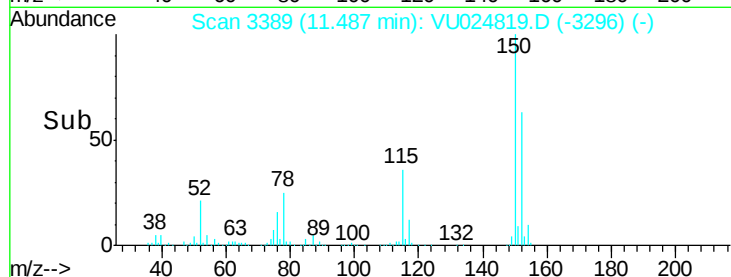
150 157.8 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.884 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024819.D

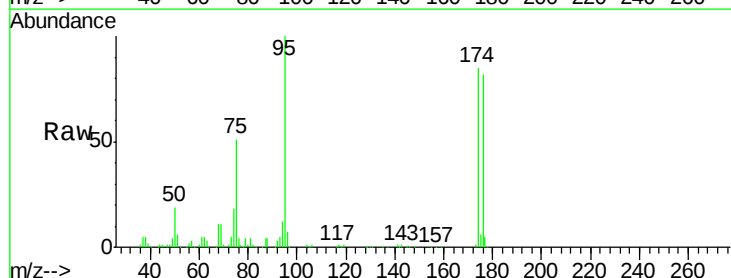
Acq: 21 Jun 2018 18:31

Tgt Ion: 75 Resp: 77938

Ion Ratio Lower Upper

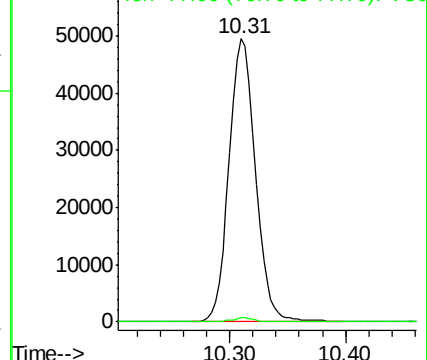
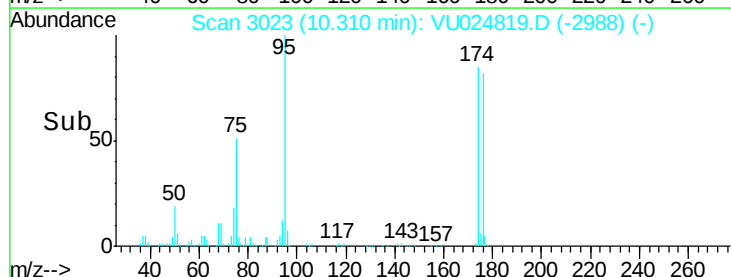
75 100

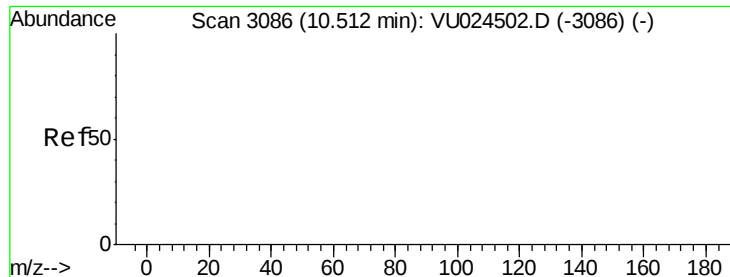
77 1.2 20.9 62.7#



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: 57.592 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-10-061418

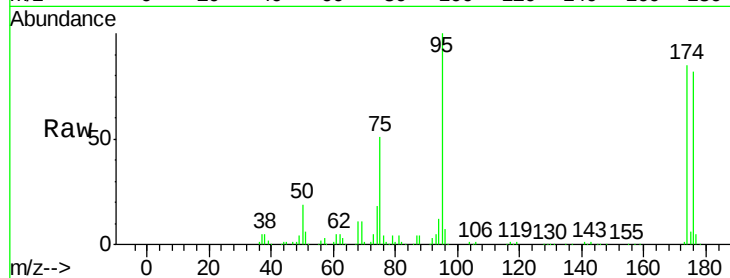
Tot Ion: 75 Resp: 77938

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

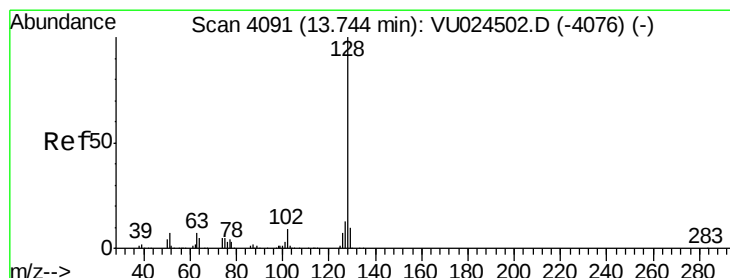
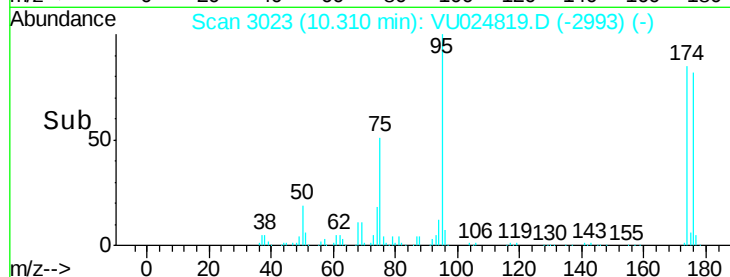
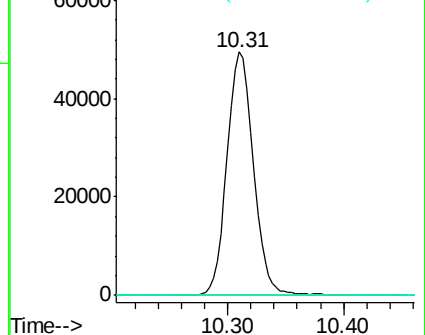
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.79 min Scan# 4104

Delta R.T. 0.04 min

Lab File: VU024819.D

Acq: 21 Jun 2018 18:31

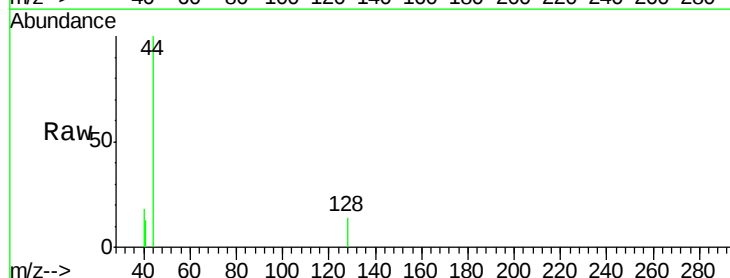
Tgt Ion: 128 Resp: 42

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

