

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025037.D
 Acq On : 28 Jun 2018 22:45
 Operator : MD/SY
 Sample : VU0628MBL02
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBL02

Quant Time: Jun 29 05:12:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

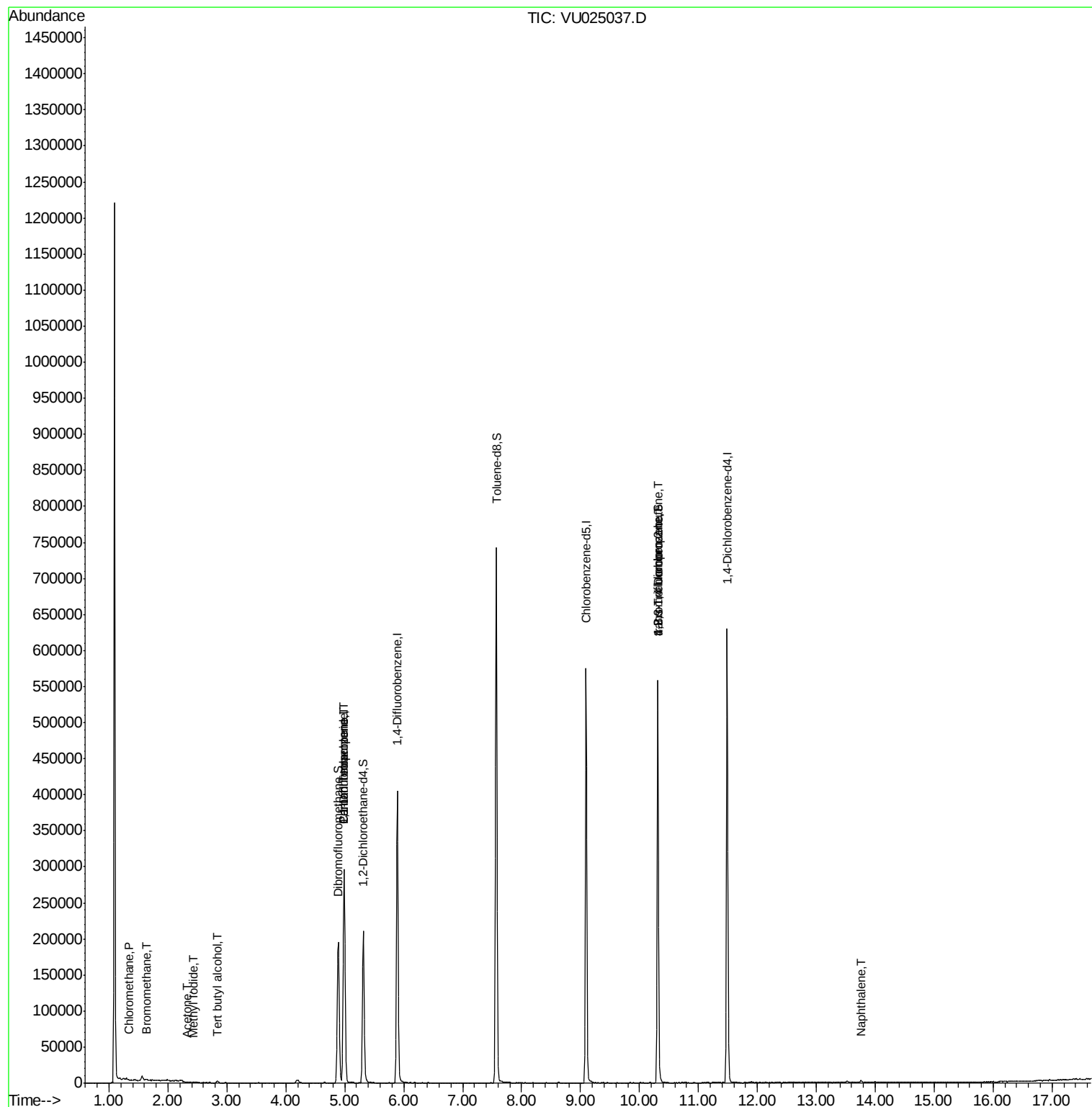
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	225904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	342343	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	315583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167125	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	172845	46.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.74%	
35) Dibromofluoromethane	4.89	113	133224	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
50) Toluene-d8	7.57	98	490080	47.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	10.31	95	185314	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	794	0.275 ug/l	#	80
5) Bromomethane	1.64	94	845	0.587 ug/l		94
6) Chloroethane	1.73	64	47	Below Cal	#	43
8) Diethyl Ether	1.98	74	48	Below Cal	#	1
10) Methyl Iodide	2.42	142	633	5.526 ug/l	#	74
11) Tert butyl alcohol	2.84	59	1576	1.757 ug/l	#	72
16) Acetone	2.33	43	578	0.292 ug/l	#	44
31) Cyclohexane	4.99	56	4423	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17157	4.265 ug/l	#	51
38) Carbon Tetrachloride	4.99	117	22781	5.150 ug/l	#	15
76) 1,2,3-Trichloropropane	10.31	75	96052	26.105 ug/l	#	35
81) trans-1,4-Dichloro-2-buten	10.31	75	96052	60.417 ug/l	#	100
95) Naphthalene	13.76	128	3837	0.987 ug/l	#	91

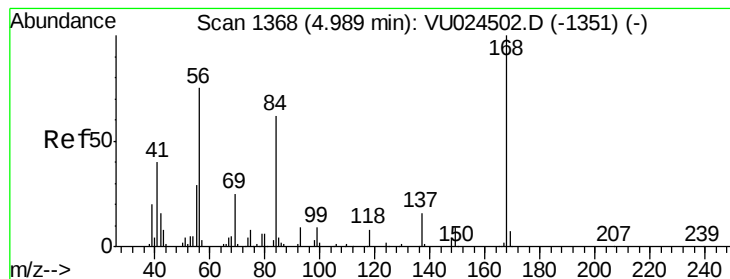
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

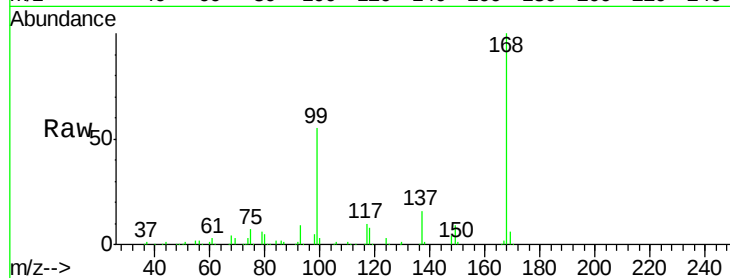
VU0628MBL02

Tgt Ion:168 Resp: 225904

Ion Ratio Lower Upper

168 100

99 55.1 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) (-)

4.99

120000

100000

80000

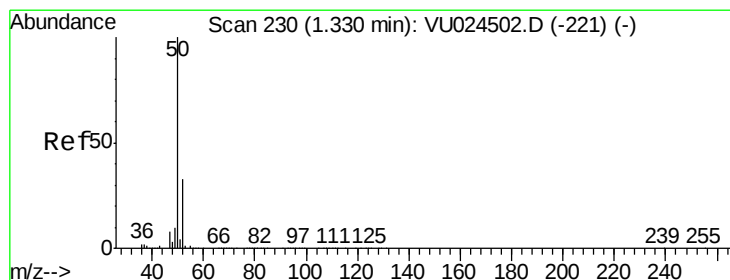
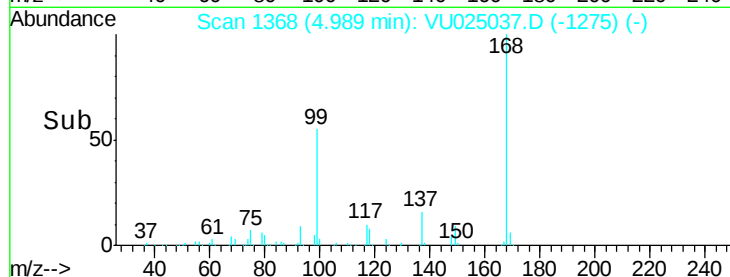
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025037.D

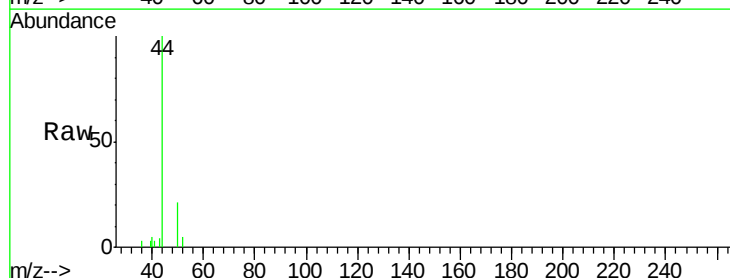
Acq: 28 Jun 2018 22:45

Tgt Ion: 50 Resp: 794

Ion Ratio Lower Upper

50 100

52 21.9 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) (-)

1.33

800

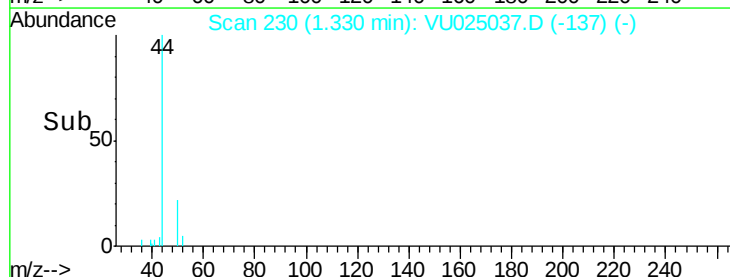
600

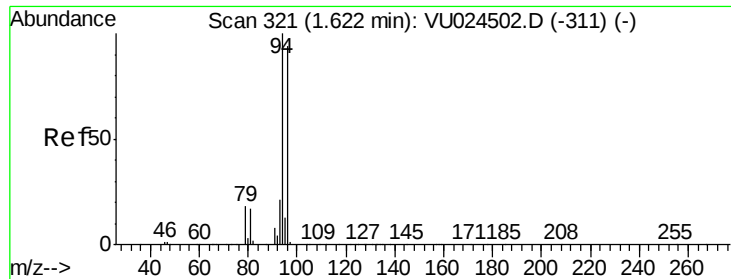
400

200

0

Time-->





#5

Bromomethane

Concen: 0.587 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

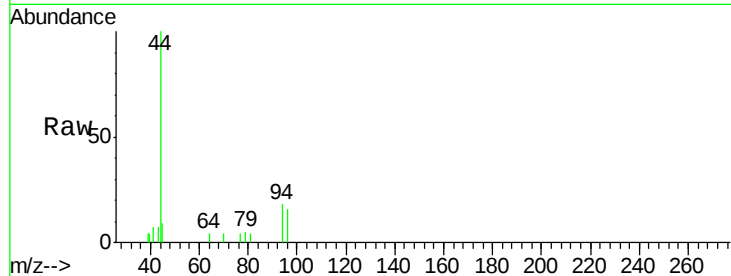
VU0628MBL02

Tgt Ion: 94 Resp: 845

Ion Ratio Lower Upper

94 100

96 87.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

1.74

1.75

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

1.86

1.87

1.88

1.89

1.90

1.91

1.92

1.93

1.94

1.95

1.96

1.97

1.98

1.99

2.00

2.01

2.02

2.03

2.04

2.05

2.06

2.07

2.08

2.09

2.10

2.11

2.12

2.13

2.14

2.15

2.16

2.17

2.18

2.19

2.20

2.21

2.22

2.23

2.24

2.25

2.26

2.27

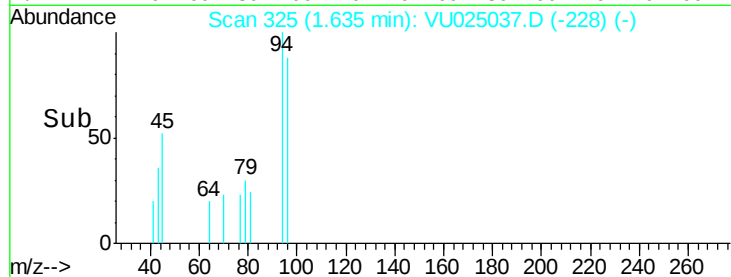
2.28

2.29

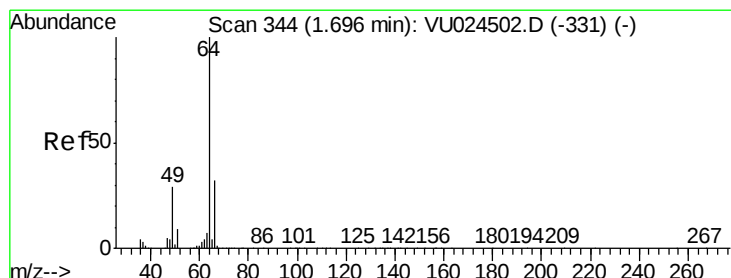
2.30

2.31

2.32



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 354

Delta R.T. 0.03 min

Lab File: VU025037.D

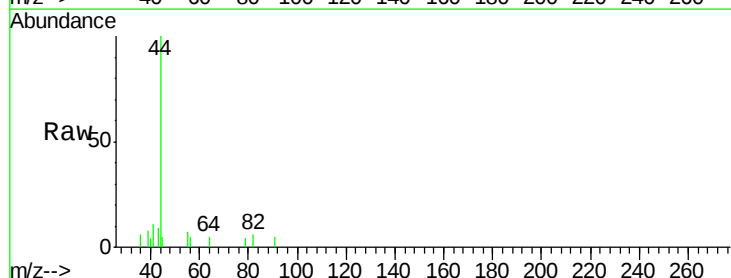
Acq: 28 Jun 2018 22:45

Tgt Ion: 64 Resp: 47

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

1.73

1.74

1.75

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

1.86

1.87

1.88

1.89

1.90

1.91

1.92

1.93

1.94

1.95

1.96

1.97

1.98

1.99

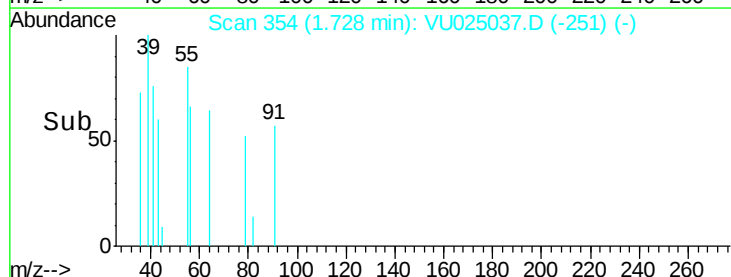
2.00

2.01

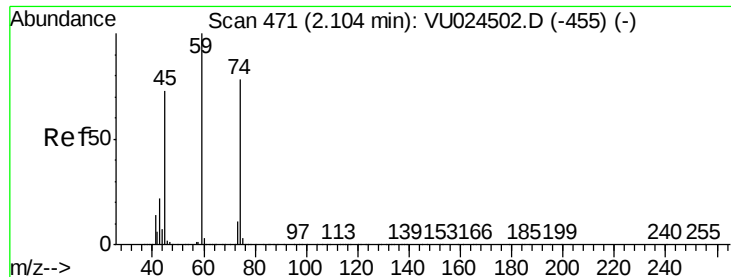
2.02

2.03

2.04



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 1.98 min Scan# 433

Delta R.T. -0.12 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

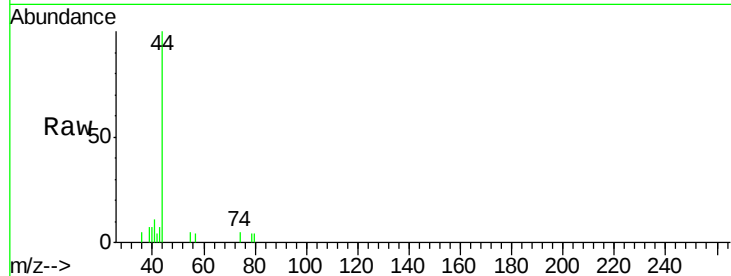
VU0628MBL02

Tgt Ion: 74 Resp: 48

Ion Ratio Lower Upper

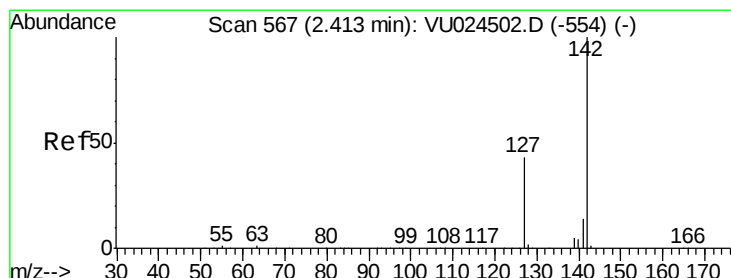
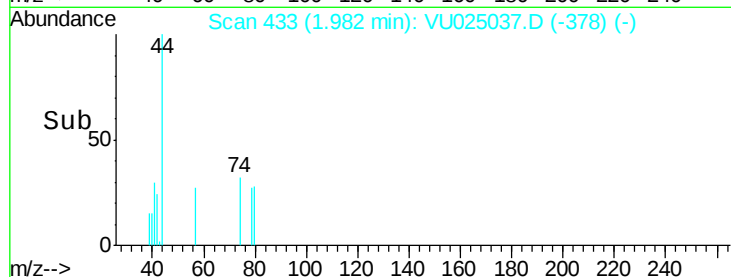
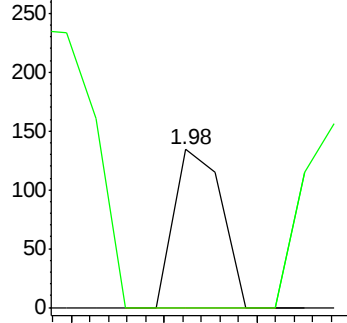
74 100

45 383.3 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#10

Methyl Iodide

Concen: 5.526 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

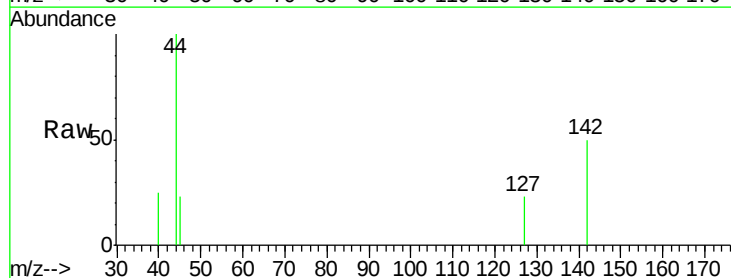
Tgt Ion: 142 Resp: 633

Ion Ratio Lower Upper

142 100

127 29.4 35.6 53.4#

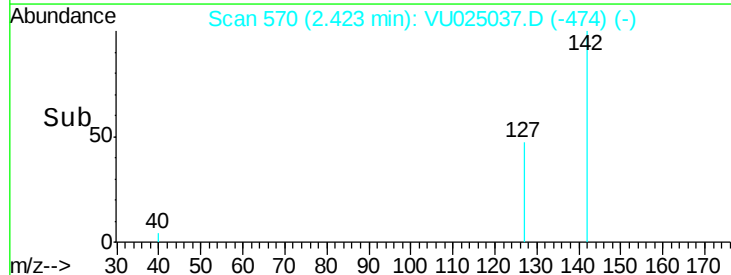
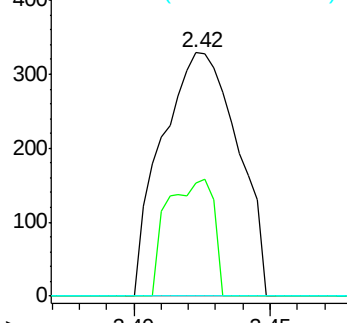
141 0.0 11.7 17.5#

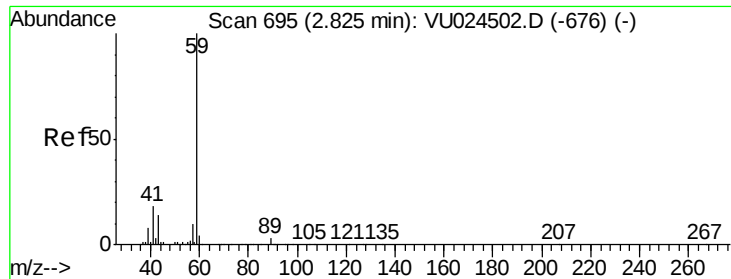


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

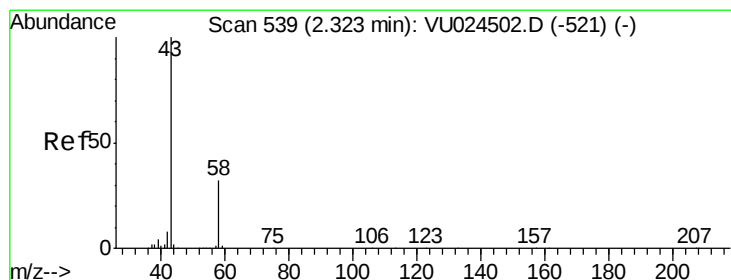
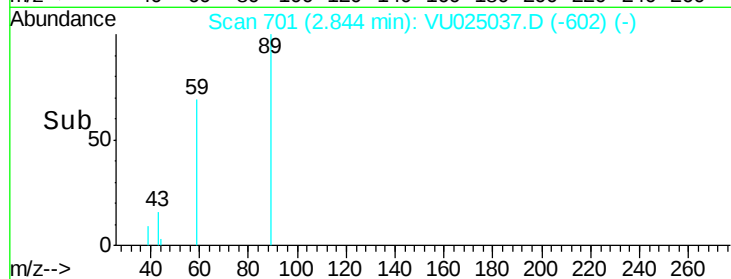
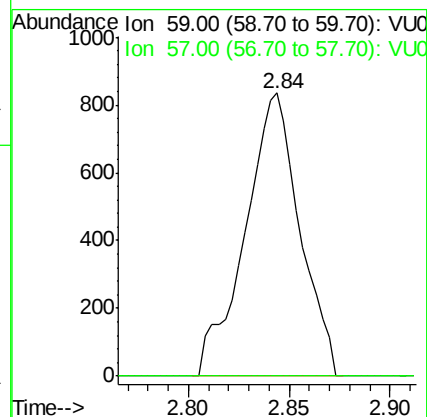
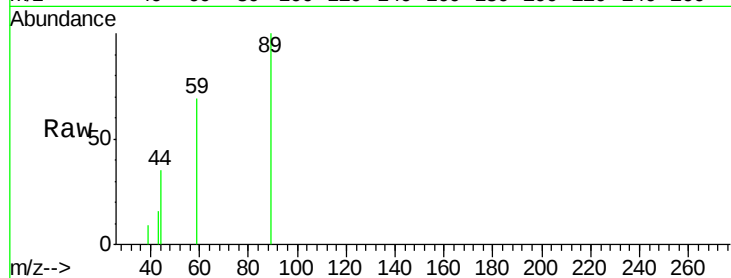




#11
Tert butyl alcohol
Concen: 1.757 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU025037.D
Acq: 28 Jun 2018 22:45

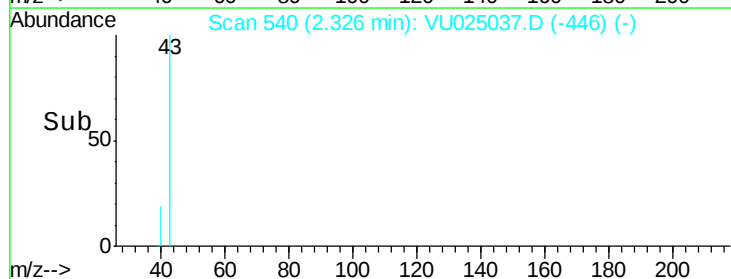
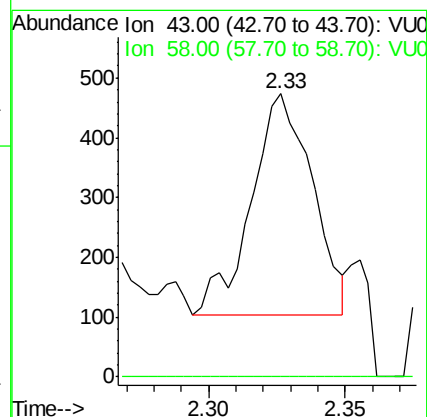
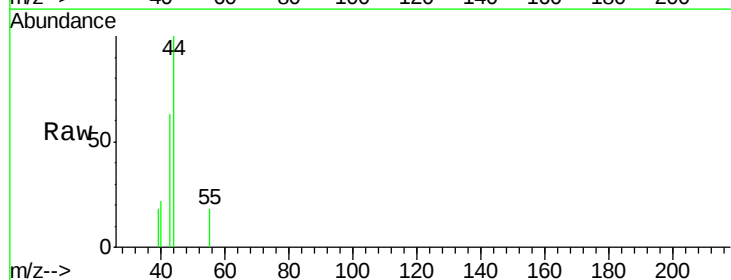
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBL02

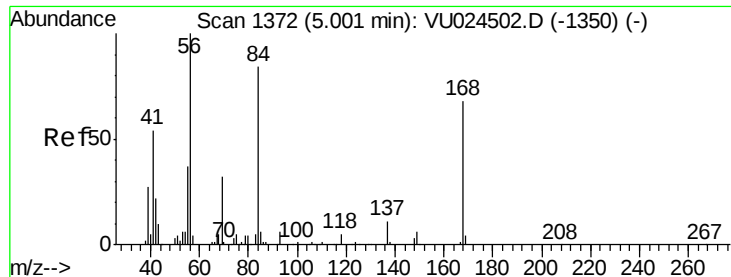
Tgt Ion: 59 Resp: 1576
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.292 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU025037.D
Acq: 28 Jun 2018 22:45

Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

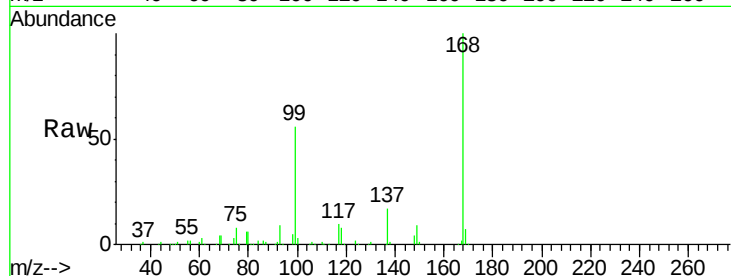




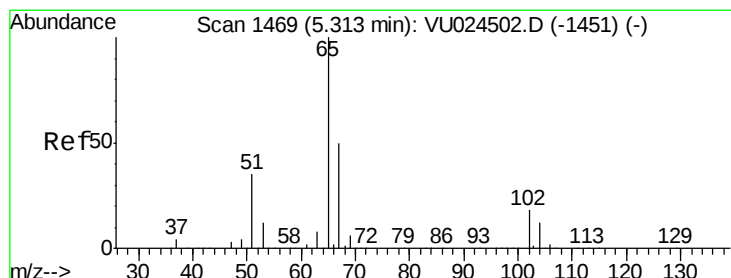
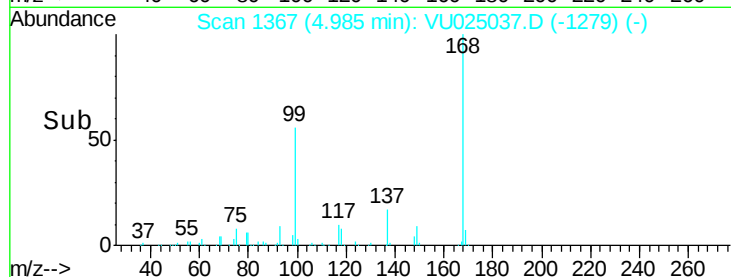
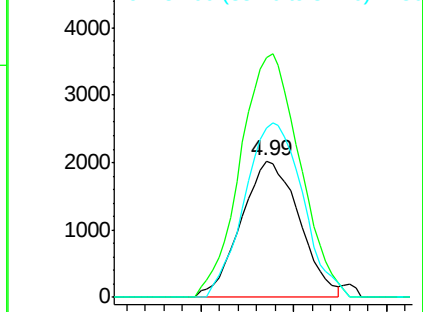
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025037.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBL02

Tgt Ion: 56 Resp: 4423
Ion Ratio Lower Upper
56 100
69 176.2 24.8 37.2#
84 124.1 65.2 97.8#

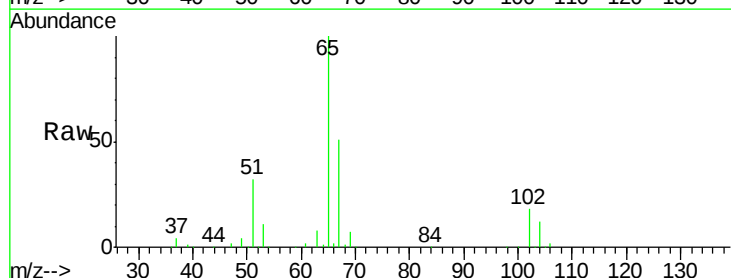


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

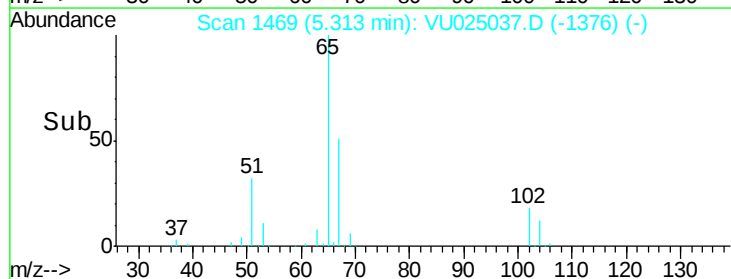
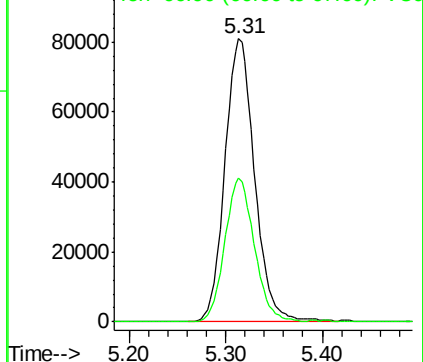


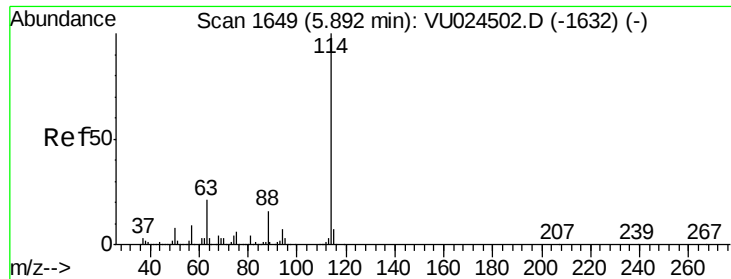
#33
1,2-Dichloroethane-d4
Concen: 46.868 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025037.D
Acq: 28 Jun 2018 22:45

Tgt Ion: 65 Resp: 172845
Ion Ratio Lower Upper
65 100
67 50.3 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: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL02

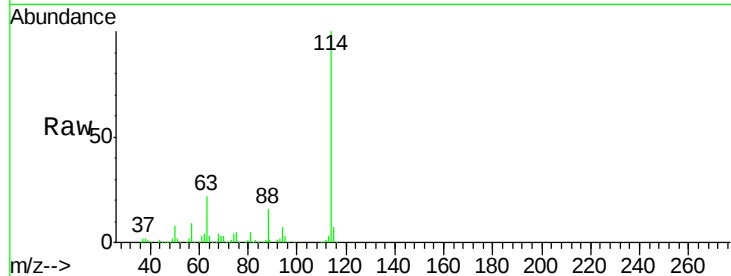
Tgt Ion:114 Resp: 342343

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.4

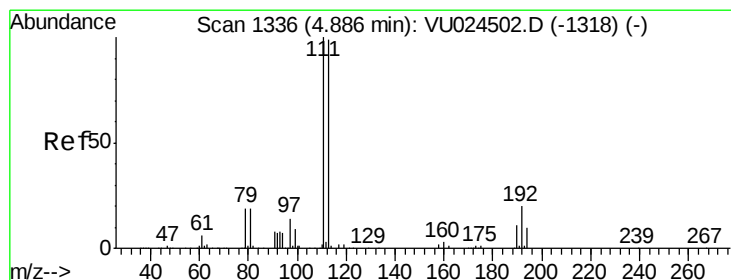
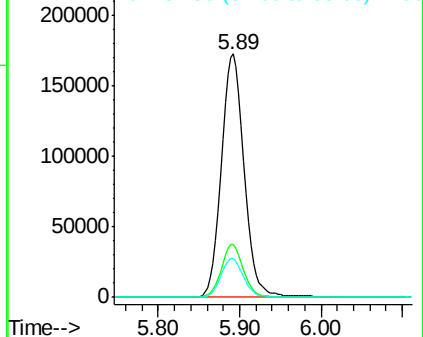
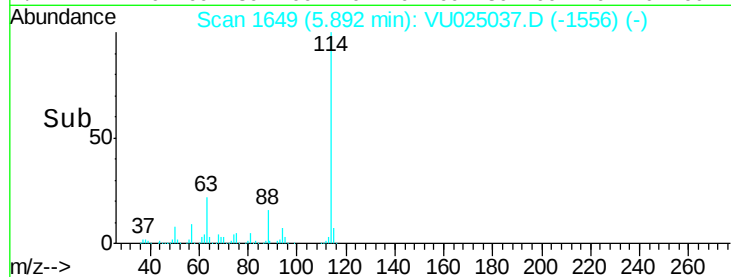
88 16.1 0.0 31.0



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: 46.890 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

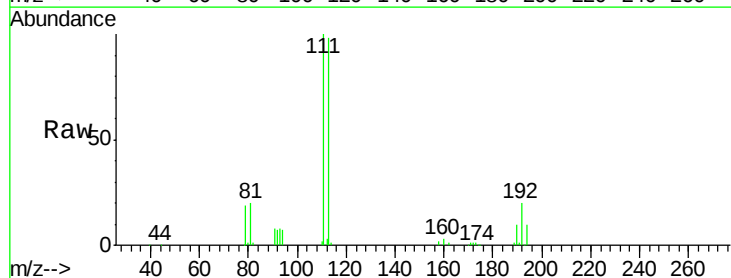
Tgt Ion:113 Resp: 133224

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

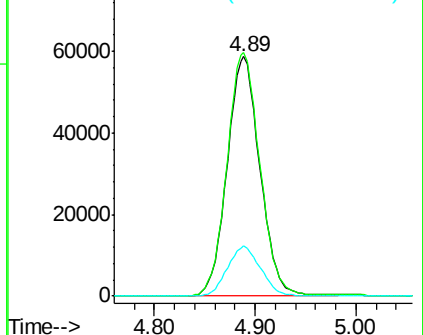
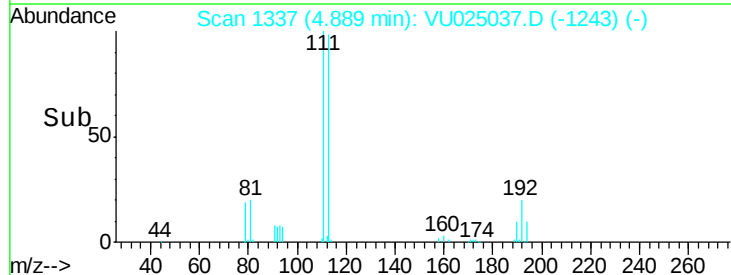
192 21.1 16.2 24.4

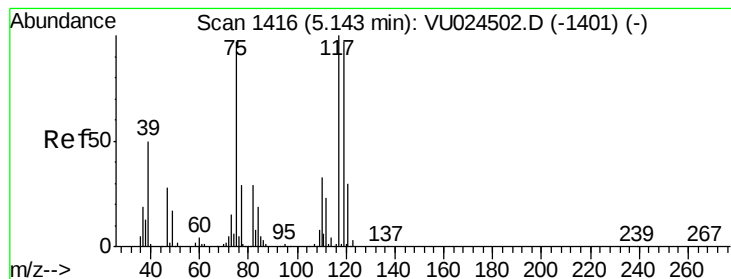


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL02

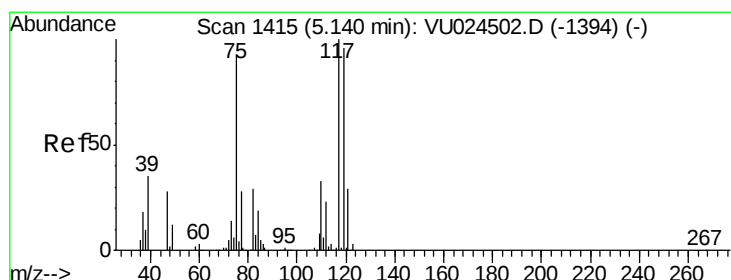
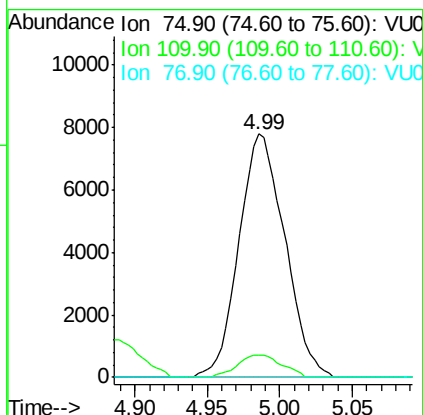
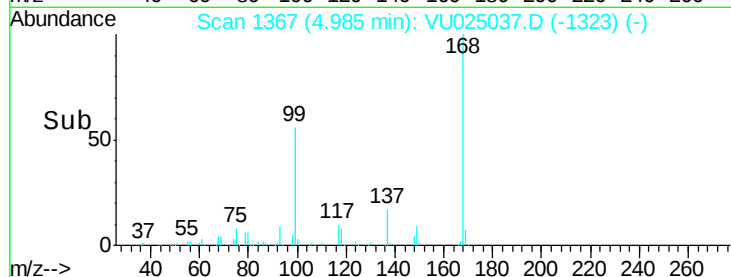
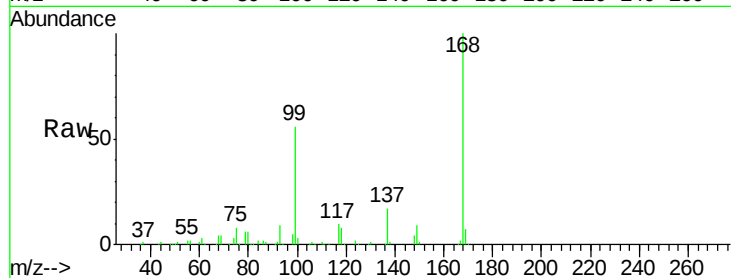
Tgt Ion: 75 Resp: 17157

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.150 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

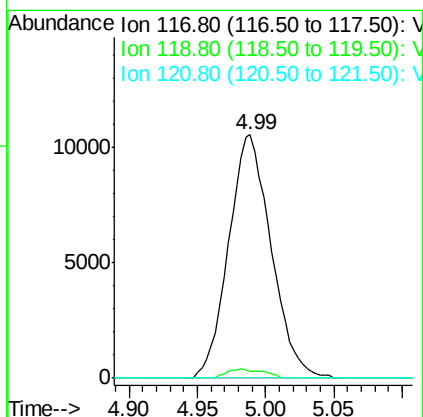
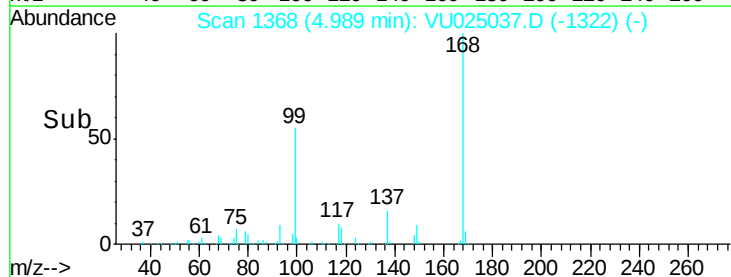
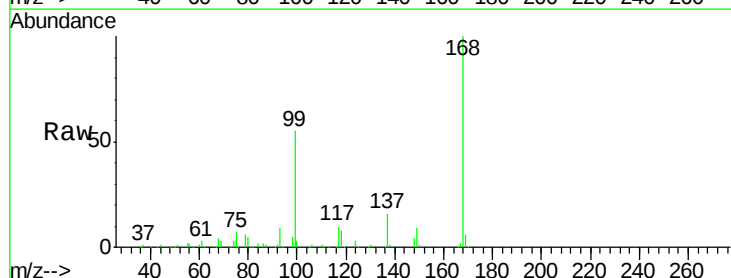
Tgt Ion: 117 Resp: 22781

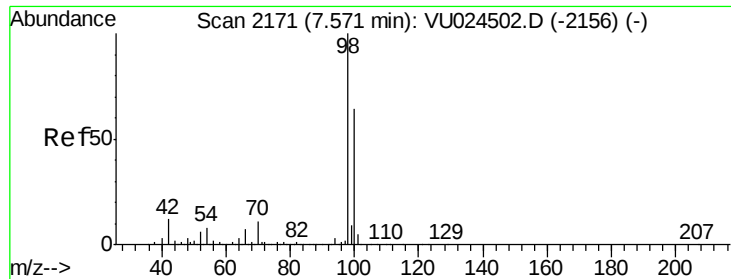
Ion Ratio Lower Upper

117 100

119 2.9 76.1 114.1#

121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 47.289 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

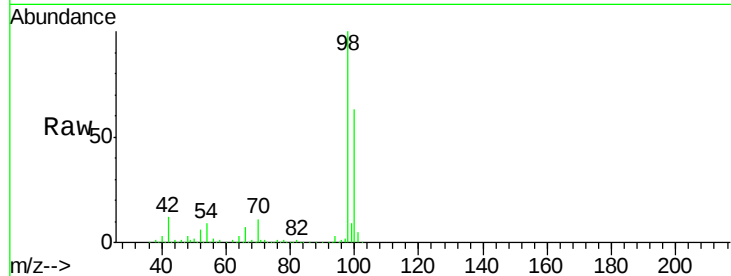
VU0628MBL02

Tgt Ion: 98 Resp: 490080

Ion Ratio Lower Upper

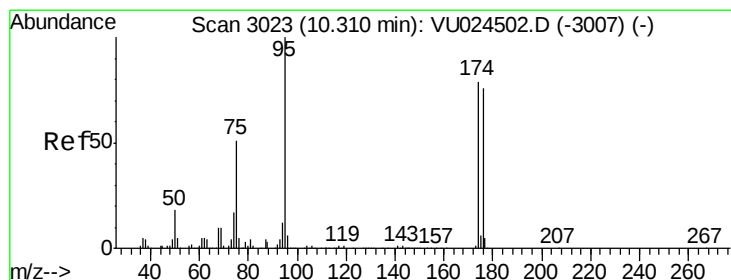
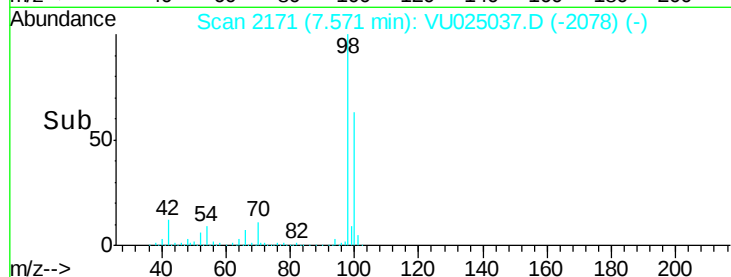
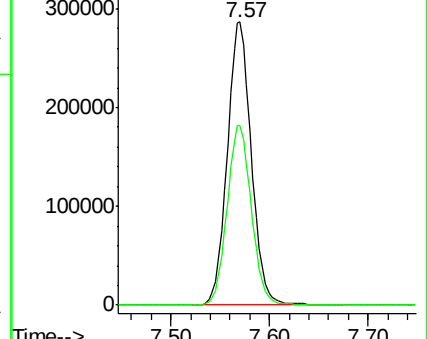
98 100

100 64.3 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: 45.037 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

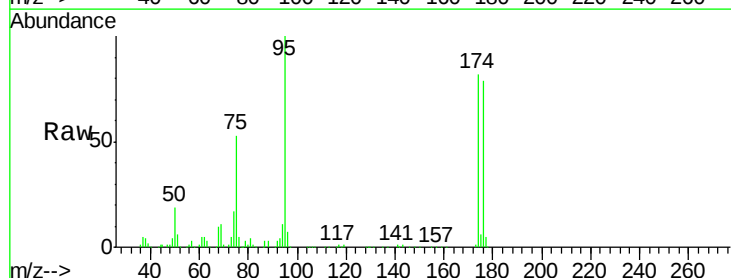
Tgt Ion: 95 Resp: 185314

Ion Ratio Lower Upper

95 100

174 83.3 0.0 165.8

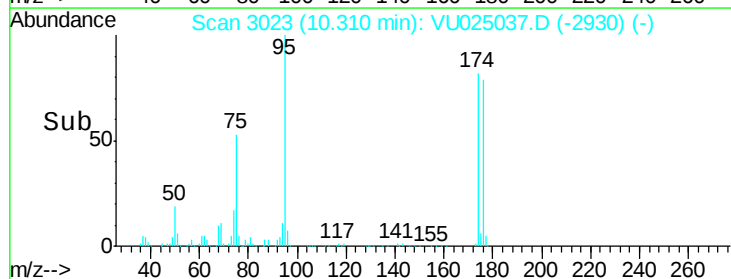
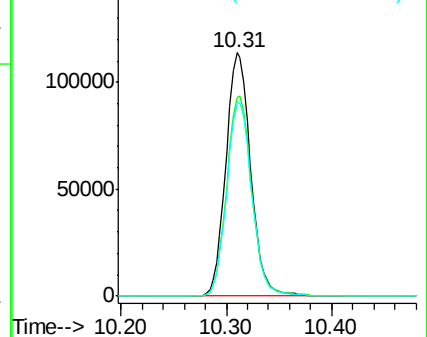
176 80.8 0.0 159.4

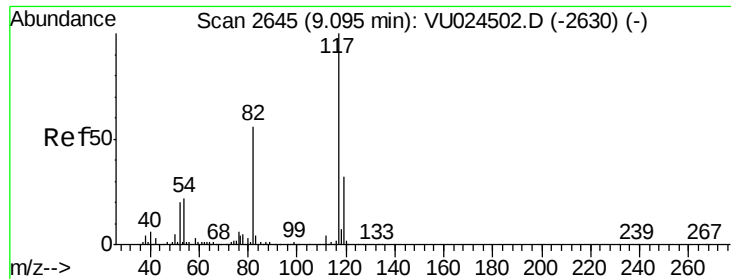


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

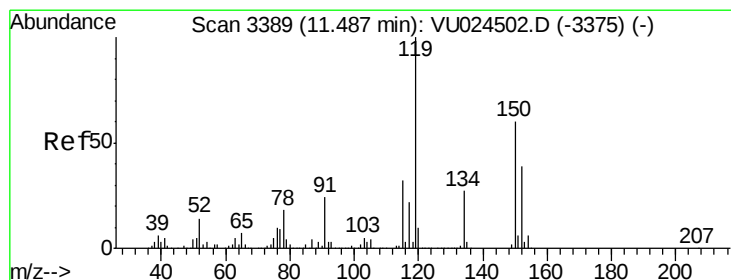
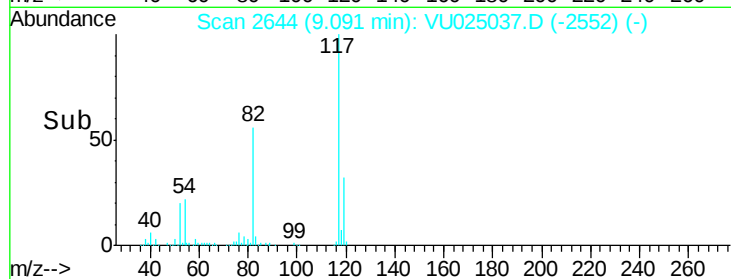
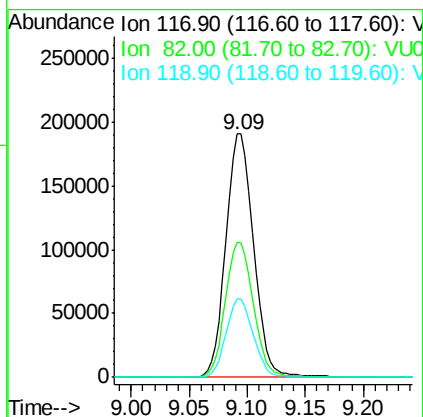
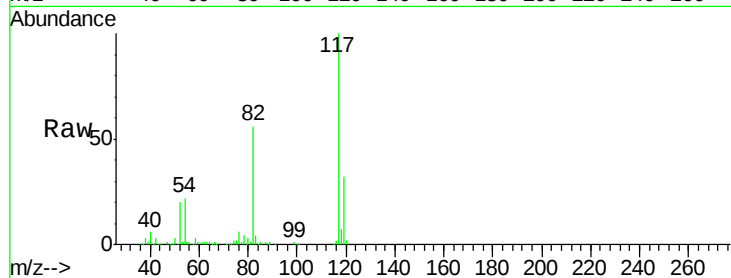




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025037.D
Acq: 28 Jun 2018 22:45

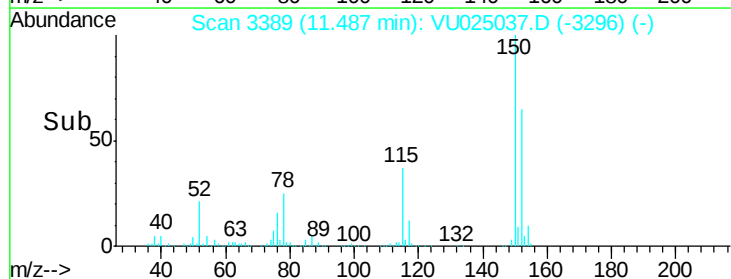
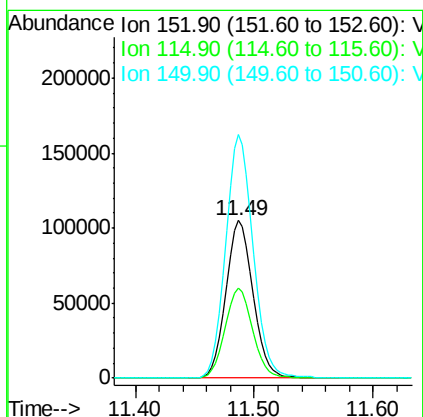
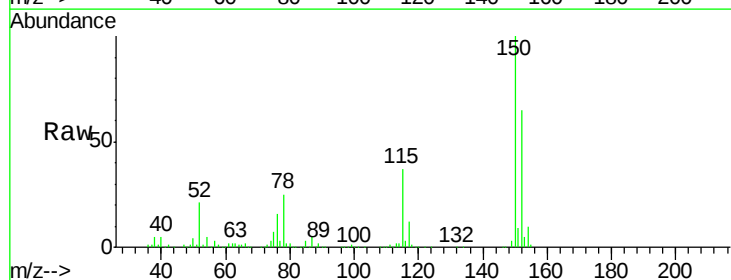
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBL02

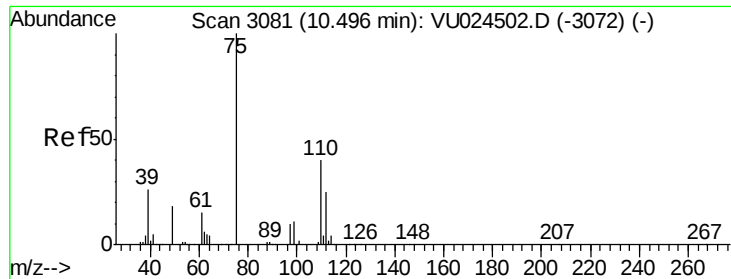
Tgt Ion:117 Resp: 315583
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025037.D
Acq: 28 Jun 2018 22:45

Tgt Ion:152 Resp: 167125
Ion Ratio Lower Upper
152 100
115 57.6 43.0 129.0
150 155.3 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 26.105 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

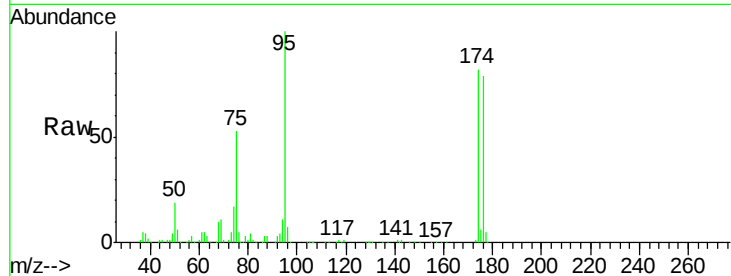
VU0628MBL02

Tgt Ion: 75 Resp: 96052

Ion Ratio Lower Upper

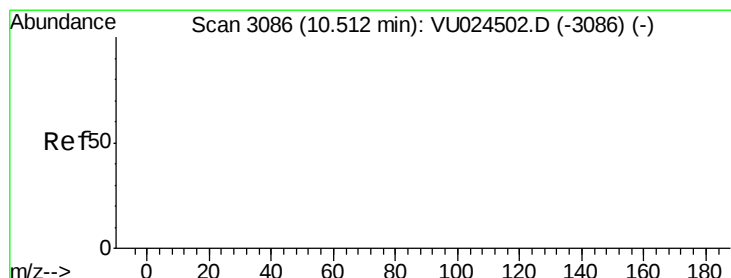
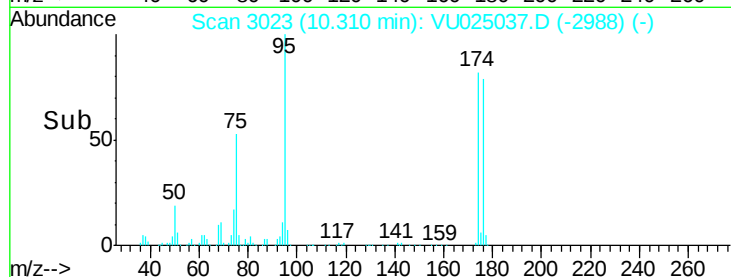
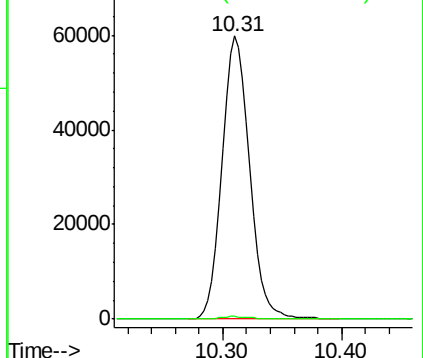
75 100

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: 60.417 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

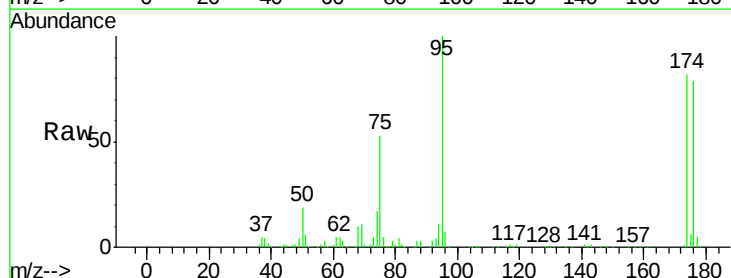
Tgt Ion: 75 Resp: 96052

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

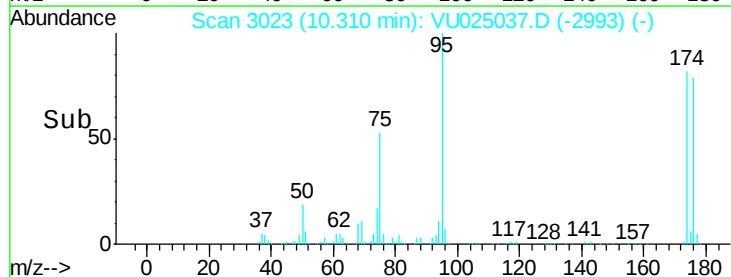
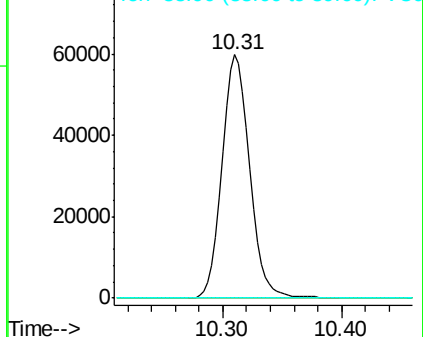
89 0.0 0.0 0.0

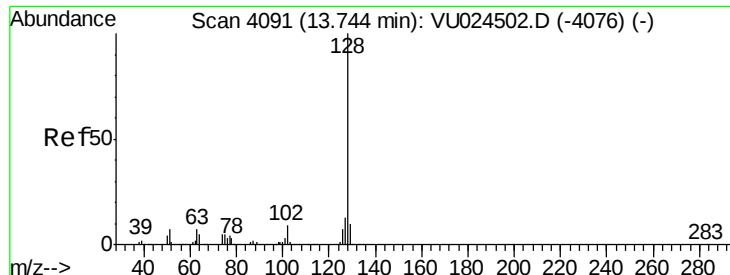


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.987 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025037.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL02

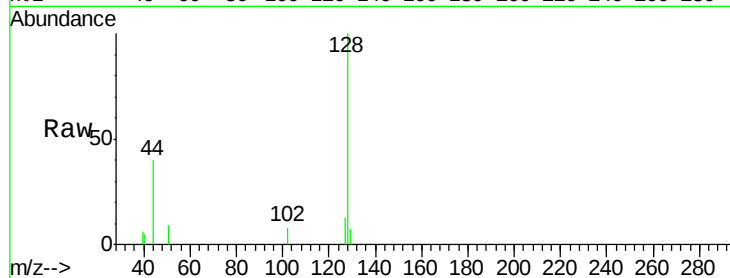
Tgt Ion:128 Resp: 3837

Ion Ratio Lower Upper

128 100

127 11.9 10.6 16.0

129 4.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

