

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025026.D
 Acq On : 28 Jun 2018 17:30
 Operator : MD/SY
 Sample : J3707-27 20X
 Misc : 6.36g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-33-35-180622

Quant Time: Jun 29 05:08:13 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	224112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	341011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	316659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167782	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	170868	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
35) Dibromofluoromethane	4.89	113	132349	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	7.57	98	493564	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	10.31	95	186013	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	

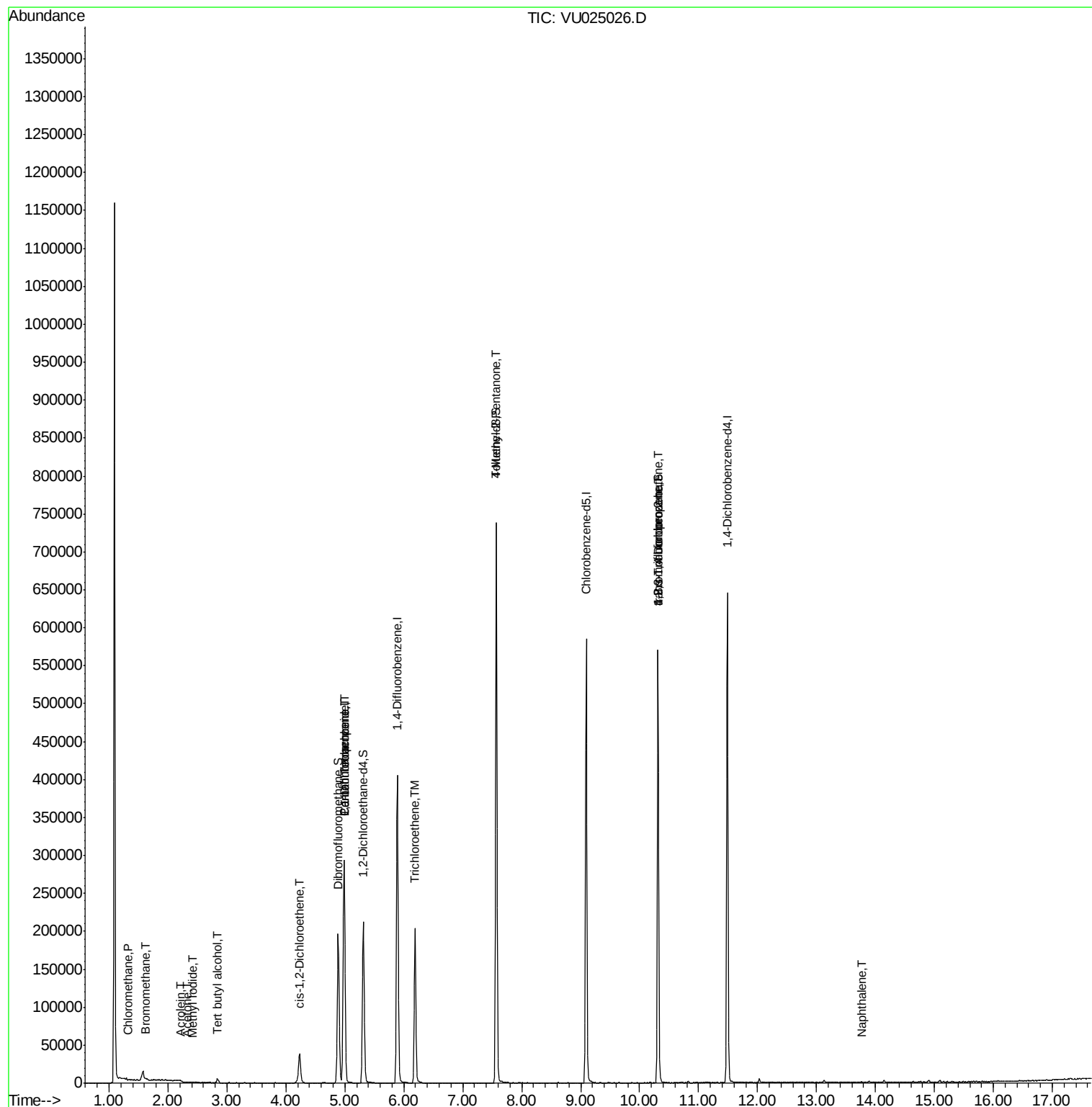
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	832	0.290	ug/l	95
5) Bromomethane	1.62	94	337	0.236	ug/l	87
6) Chloroethane	1.71	64	100	Below Cal	#	43
10) Methyl Iodide	2.41	142	179	5.356	ug/l #	40
11) Tert butyl alcohol	2.84	59	2981	3.350	ug/l #	72
13) Acrolein	2.20	56	129	0.276	ug/l #	59
16) Acetone	2.33	43	1048	0.533	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	21701	6.716	ug/l	90
31) Cyclohexane	4.99	56	4658	Below Cal	#	5
36) 1,1-Dichloropropene	4.98	75	16792	4.191	ug/l #	52
38) Carbon Tetrachloride	4.99	117	21795	4.946	ug/l #	16
44) Trichloroethene	6.19	130	72374	22.272	ug/l	100
51) 4-Methyl-2-Pentanone	7.57	43	2430	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	95198	25.771	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95198	59.646	ug/l #	100
95) Naphthalene	13.76	128	1538	0.802	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: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

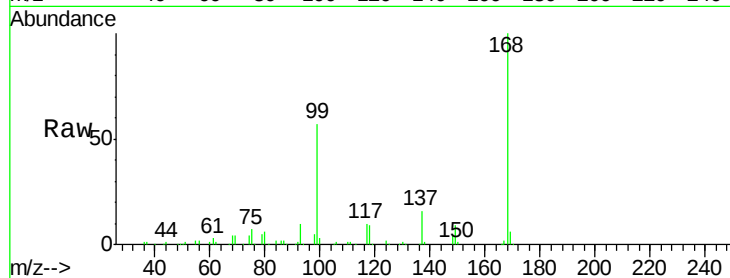
WP021SB489-33-35-180622

Tgt Ion:168 Resp: 224112

Ion Ratio Lower Upper

168 100

99 57.5 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) (-)

4.99

100000

80000

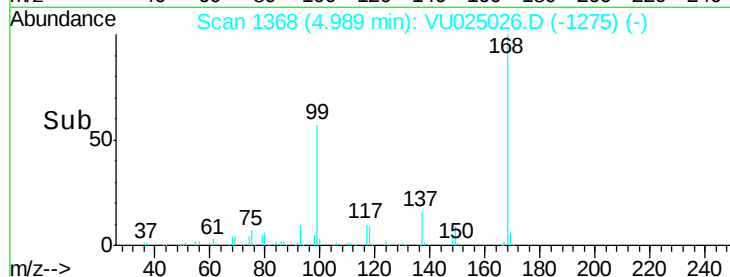
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025026.D

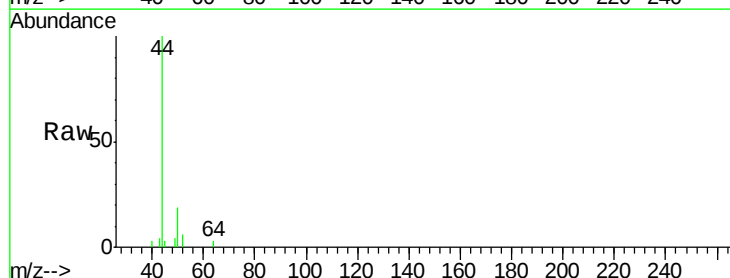
Acq: 28 Jun 2018 17:30

Tgt Ion: 50 Resp: 832

Ion Ratio Lower Upper

50 100

52 30.2 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

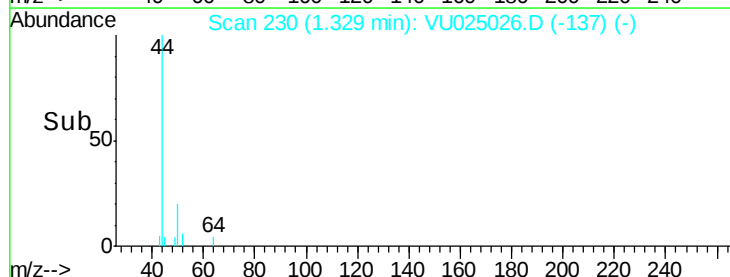
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

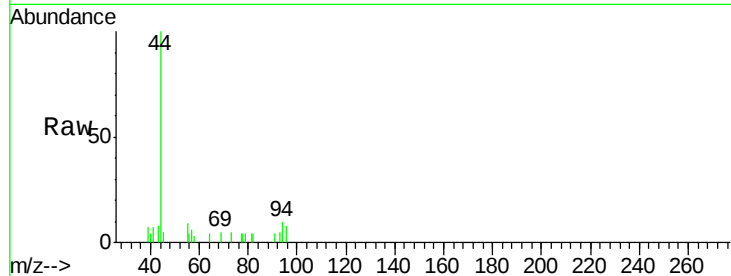
WP021SB489-33-35-180622

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

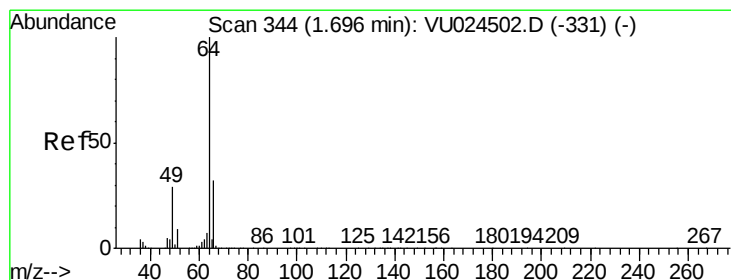
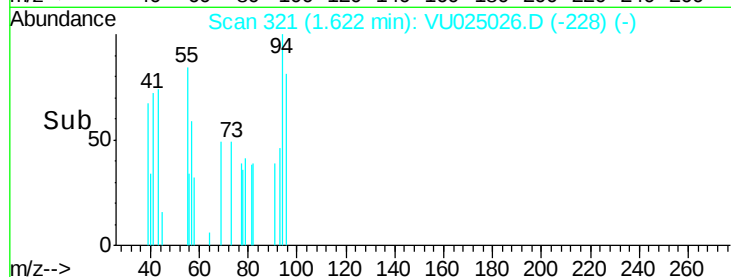
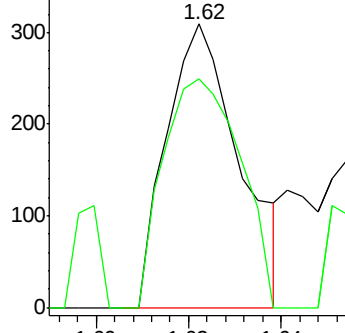
94 100

96 80.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU025026.D

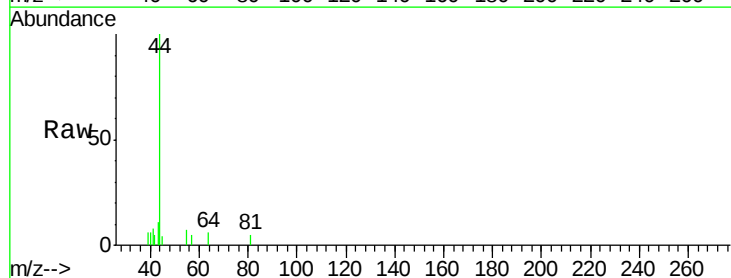
Acq: 28 Jun 2018 17:30

Tgt Ion: 64 Resp: 100

Ion Ratio Lower Upper

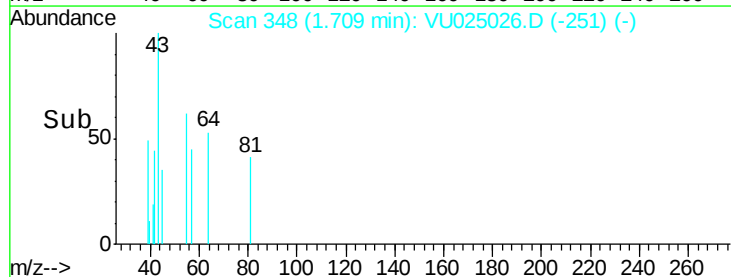
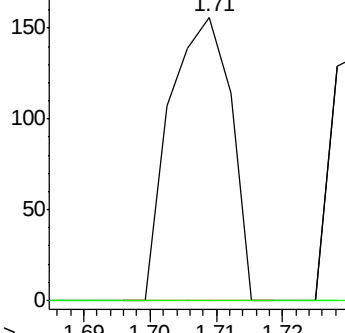
64 100

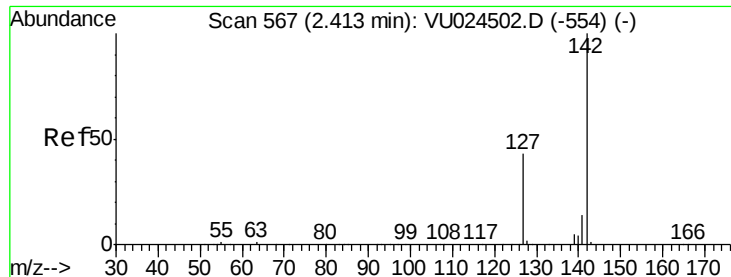
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

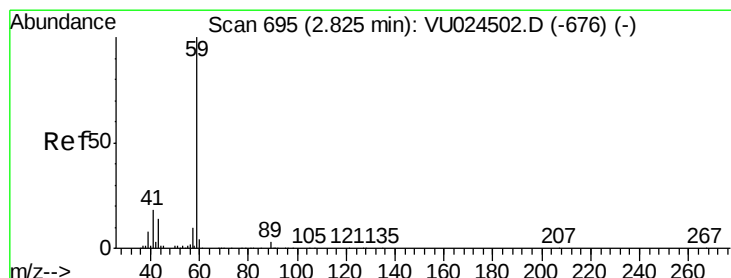
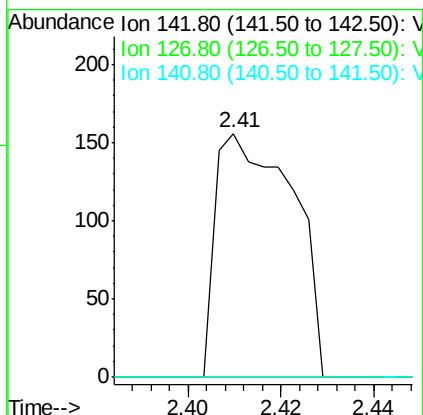
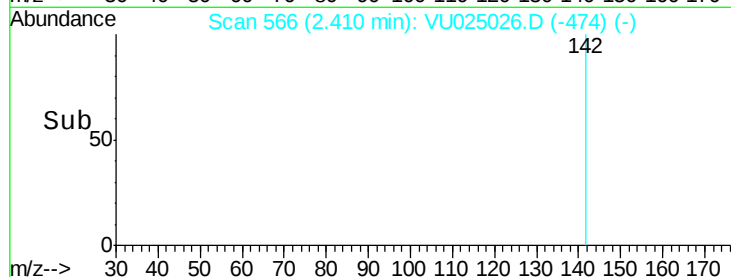
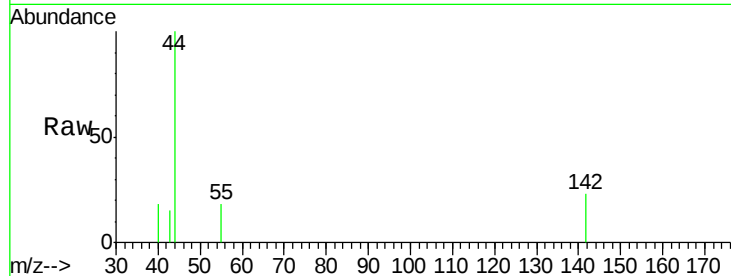




#10
Methyl Iodide
Concen: 5.356 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025026.D
Acq: 28 Jun 2018 17:30

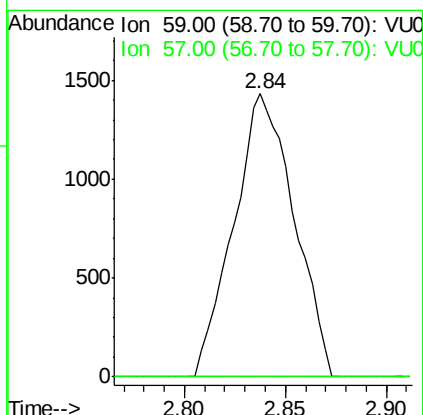
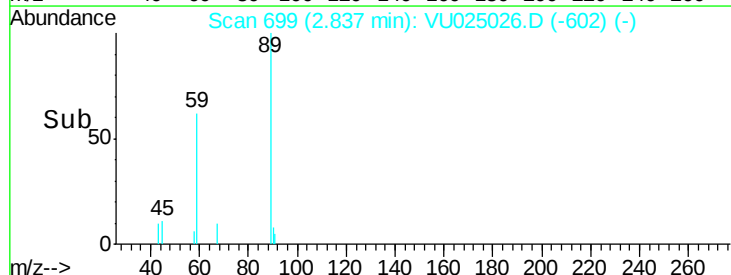
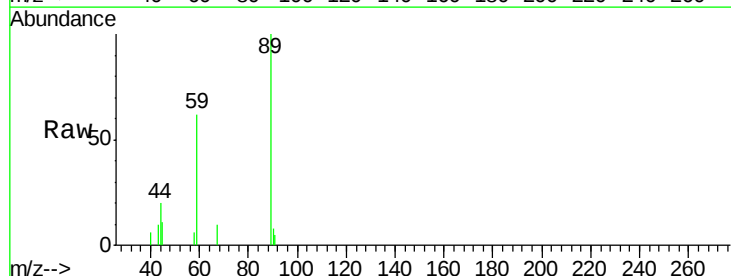
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-33-35-180622

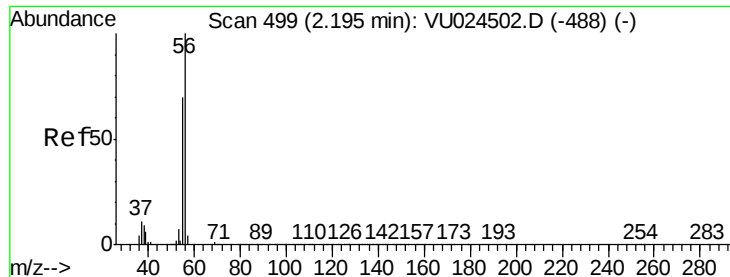
Tgt Ion: 142 Resp: 179
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 3.350 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025026.D
Acq: 28 Jun 2018 17:30

Tgt Ion: 59 Resp: 2981
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.276 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

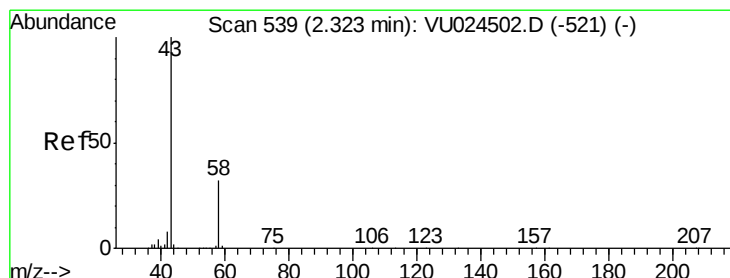
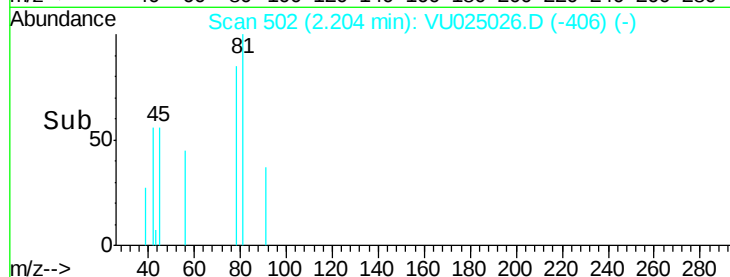
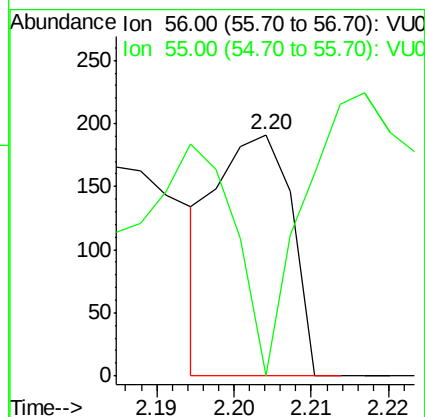
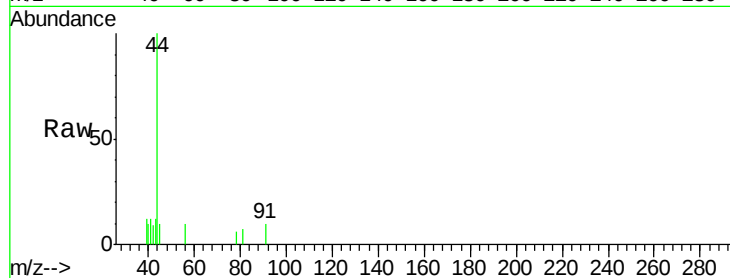
WP021SB489-33-35-180622

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 107.8 58.4 87.6#



#16

Acetone

Concen: 0.533 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025026.D

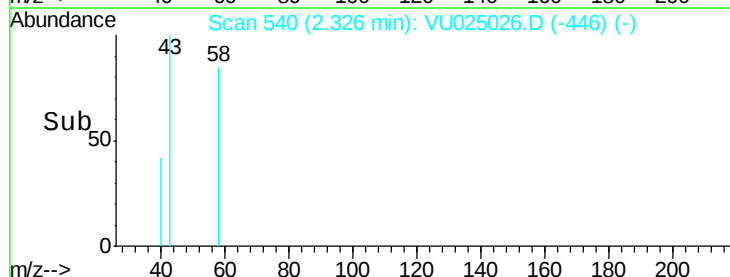
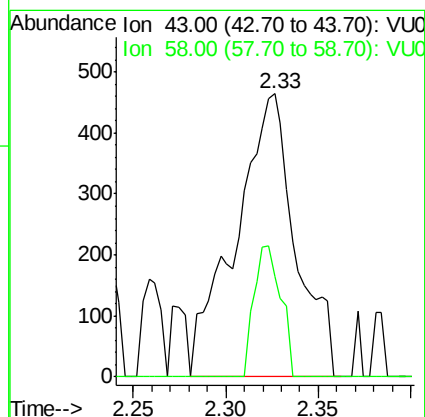
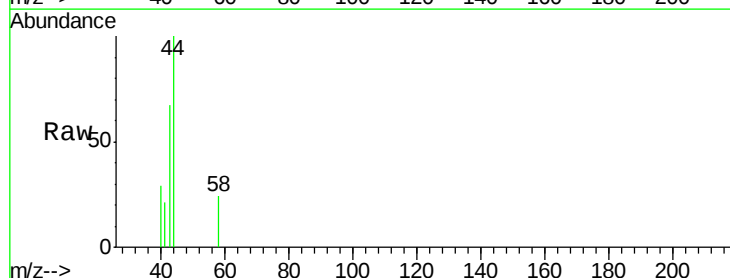
Acq: 28 Jun 2018 17:30

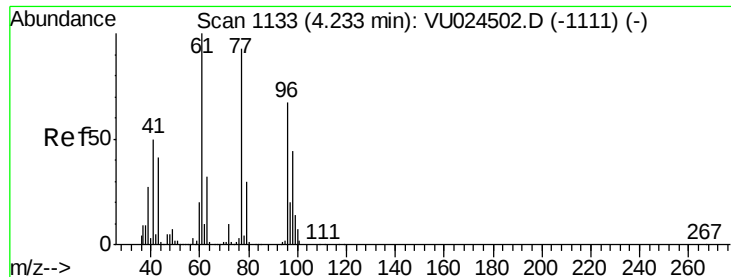
Tgt Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

58 35.3 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 6.716 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-33-35-180622

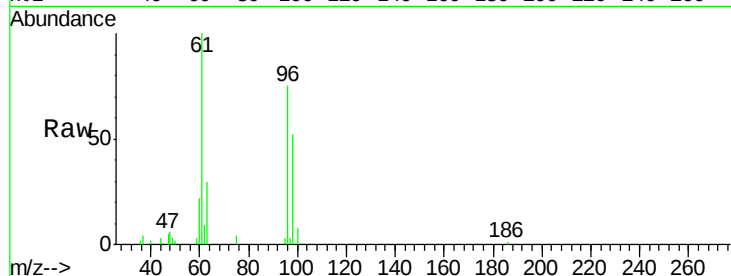
Tgt Ion: 96 Resp: 21701

Ion Ratio Lower Upper

96 100

61 134.8 0.0 306.6

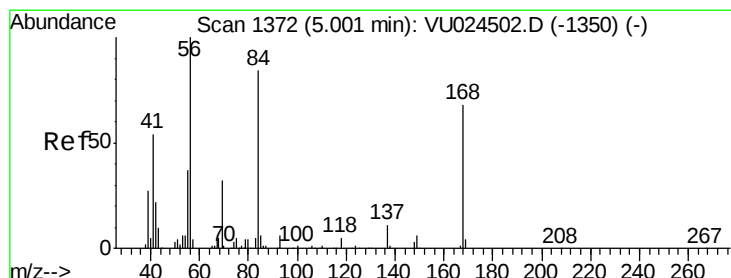
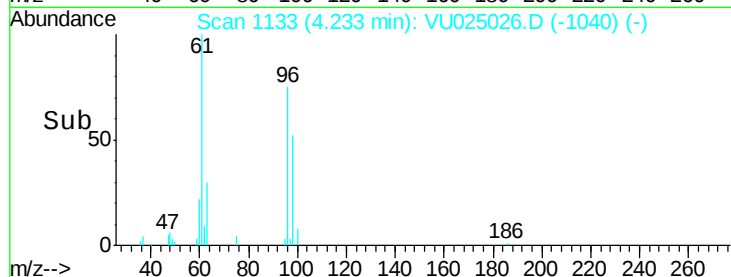
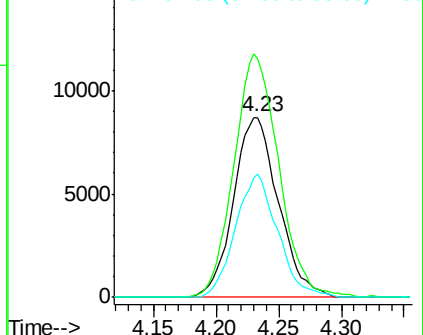
98 64.4 0.0 128.8



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: VU025026.D

Acq: 28 Jun 2018 17:30

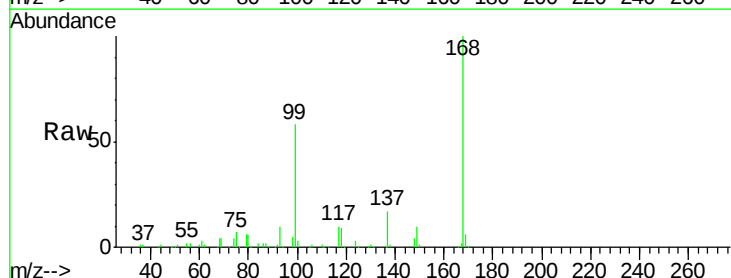
Tgt Ion: 56 Resp: 4658

Ion Ratio Lower Upper

56 100

69 173.8 24.8 37.2#

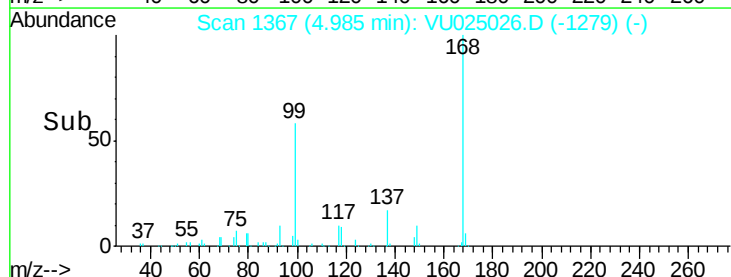
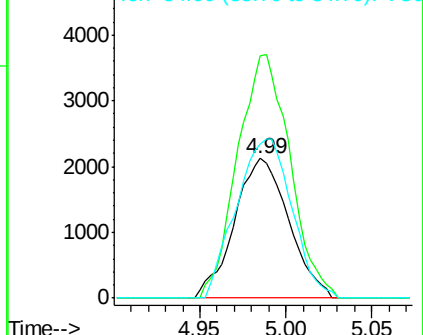
84 110.2 65.2 97.8#



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

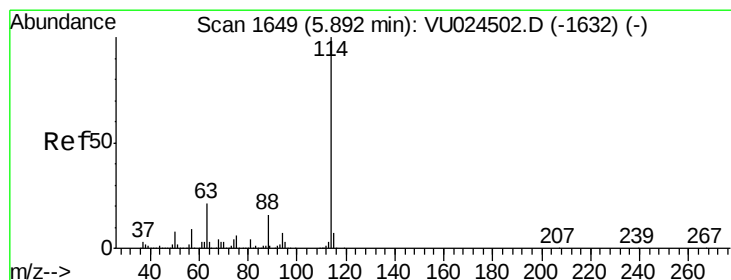
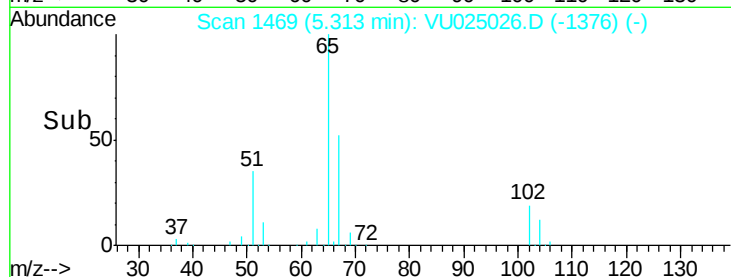
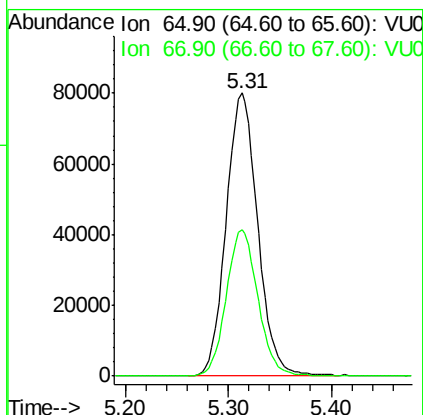
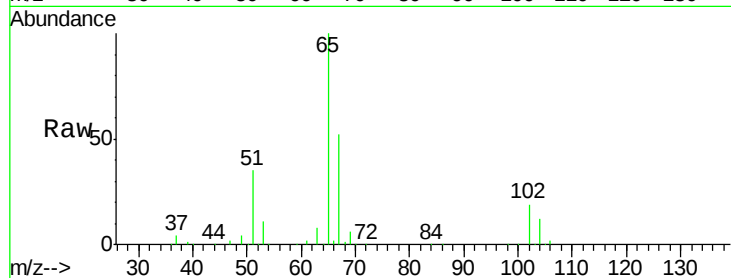




#33
 1,2-Dichloroethane-d4
 Concen: 46.702 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025026.D
 Acq: 28 Jun 2018 17:30

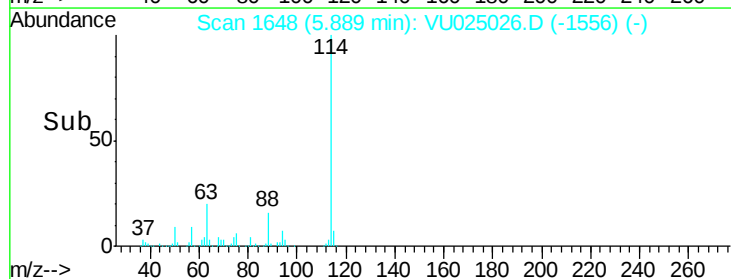
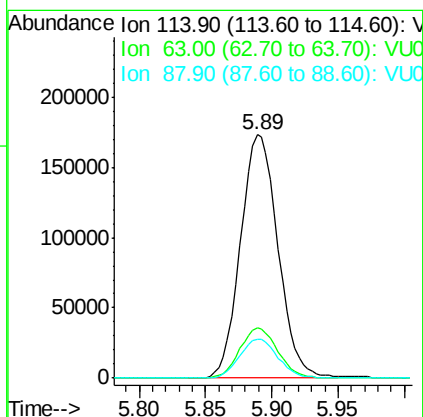
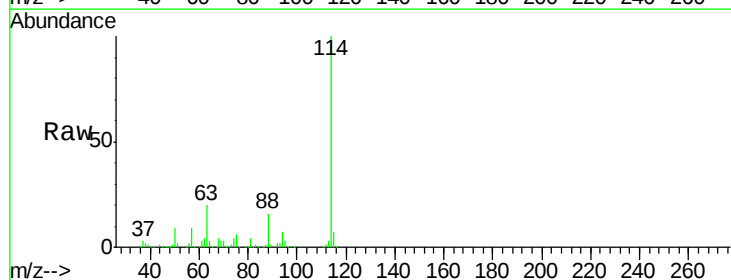
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-33-35-180622

Tgt Ion: 65 Resp: 170868
 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# 1648
 Delta R.T. -0.00 min
 Lab File: VU025026.D
 Acq: 28 Jun 2018 17:30

Tgt Ion: 114 Resp: 341011
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 15.9 0.0 31.0

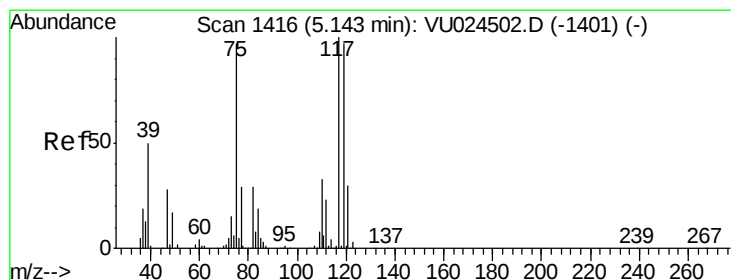
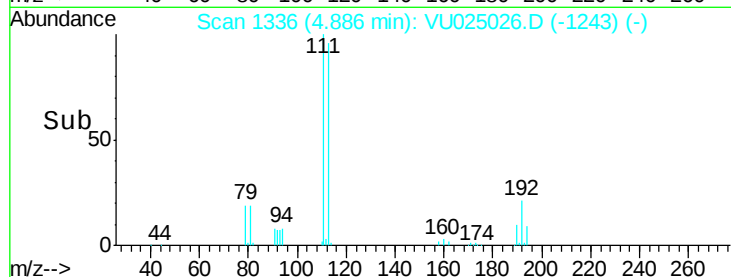
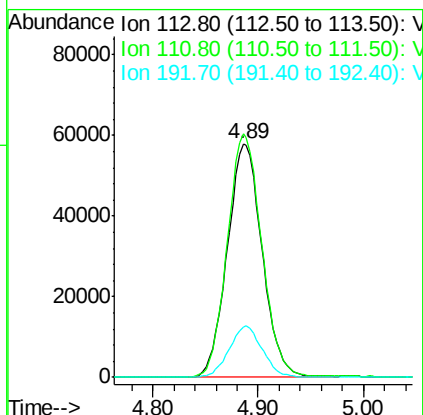
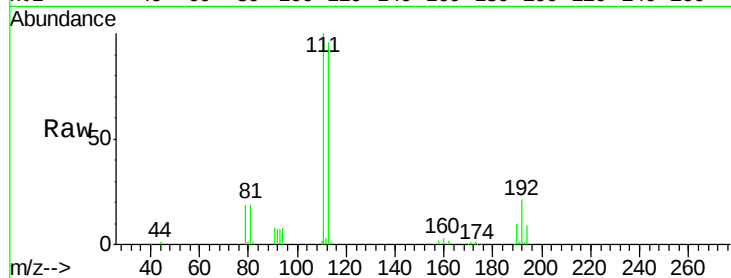




#35
 Dibromofluoromethane
 Concen: 46.764 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025026.D
 Acq: 28 Jun 2018 17:30

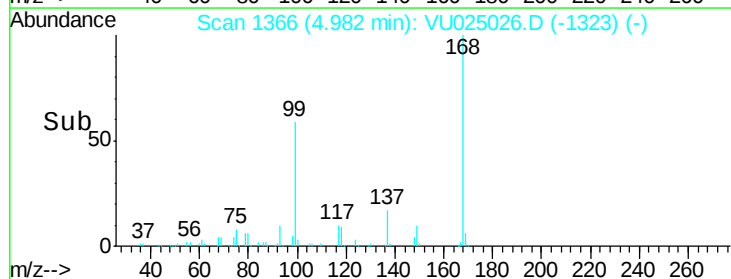
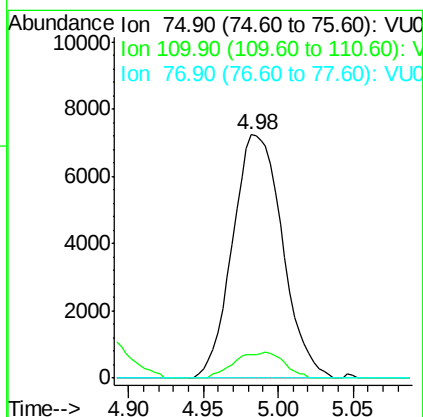
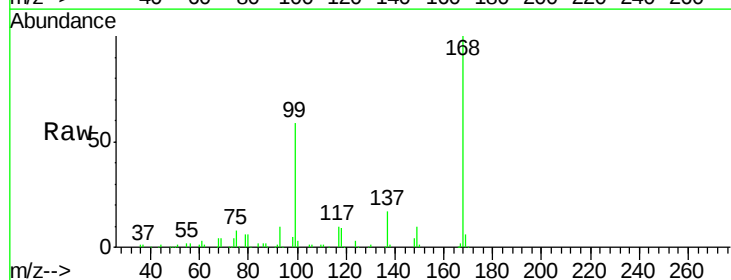
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-33-35-180622

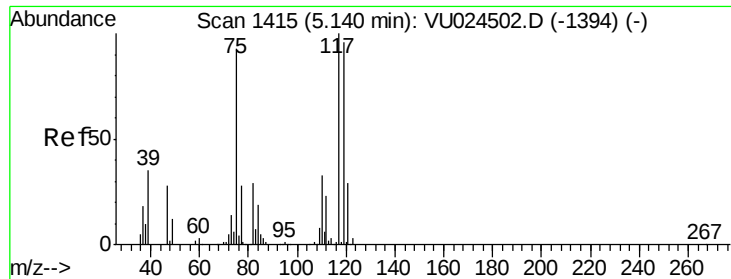
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.191 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU025026.D
 Acq: 28 Jun 2018 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.946 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-33-35-180622

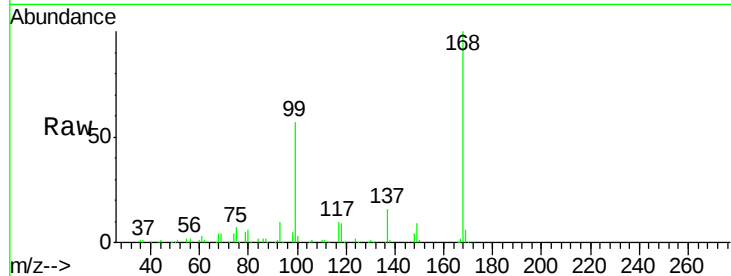
Tgt Ion:117 Resp: 21795

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

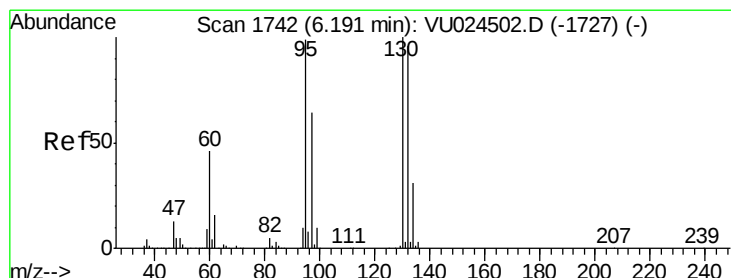
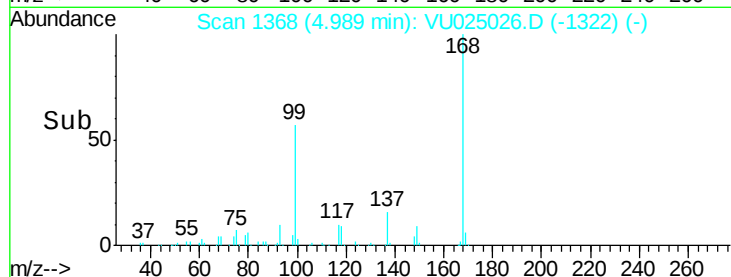
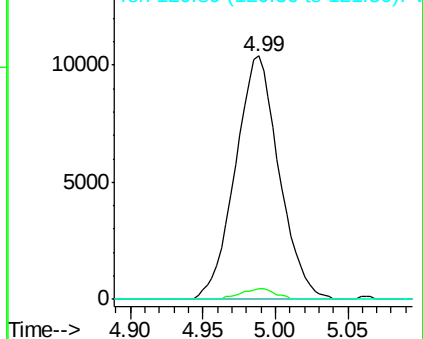
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 22.272 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025026.D

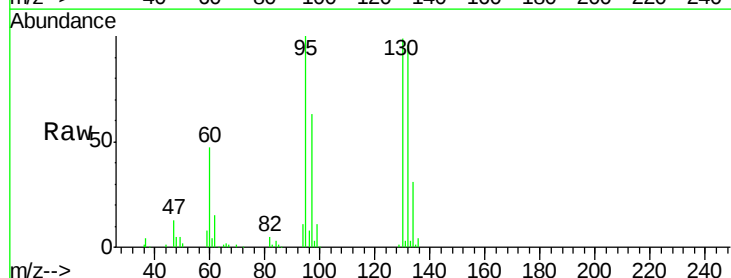
Acq: 28 Jun 2018 17:30

Tgt Ion:130 Resp: 72374

Ion Ratio Lower Upper

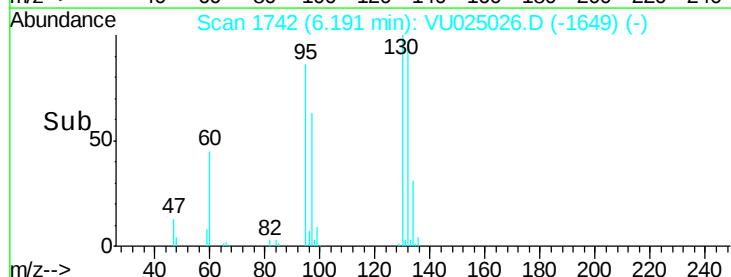
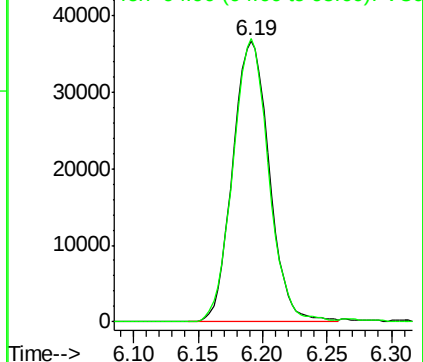
130 100

95 100.8 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.811 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

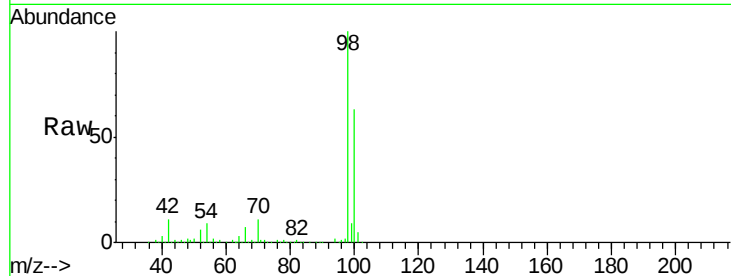
WP021SB489-33-35-180622

Tgt Ion: 98 Resp: 493564

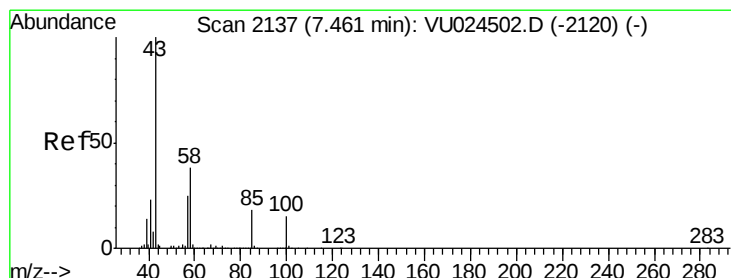
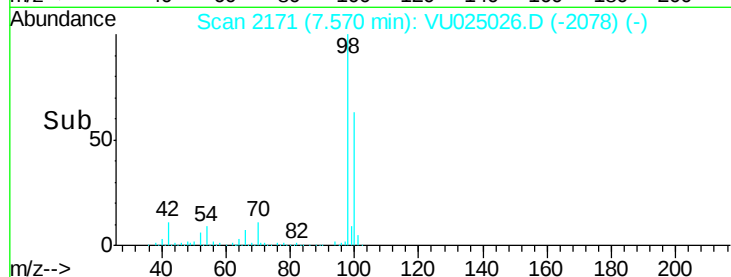
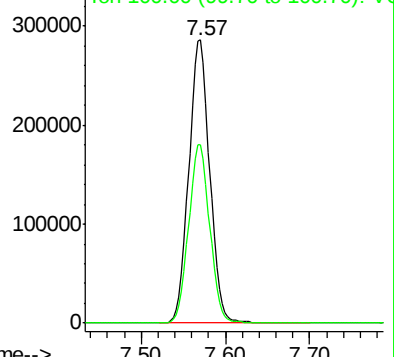
Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.512 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU025026.D

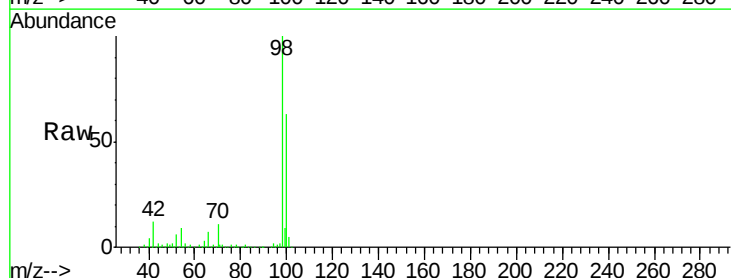
Acq: 28 Jun 2018 17:30

Tgt Ion: 43 Resp: 2430

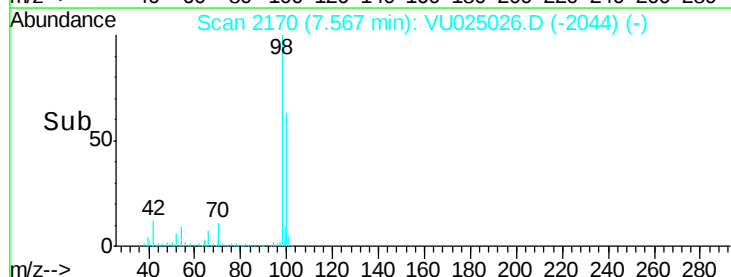
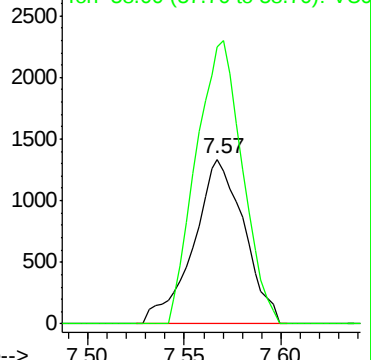
Ion Ratio Lower Upper

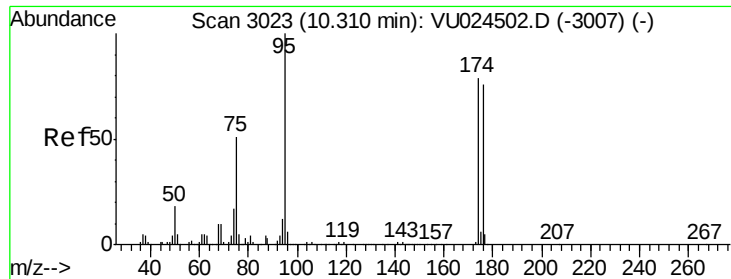
43 100

58 156.7 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)





#62

4-Bromofluorobenzene

Concen: 45.383 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-33-35-180622

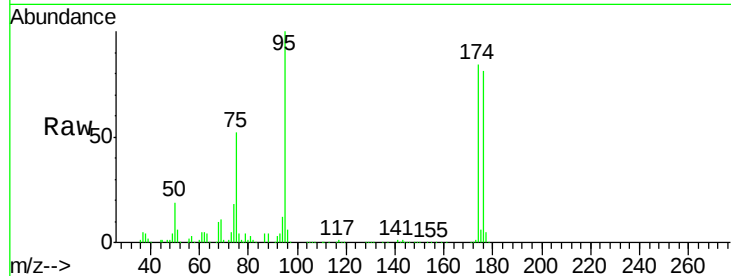
Tgt Ion: 95 Resp: 186013

Ion Ratio Lower Upper

95 100

174 83.1 0.0 165.8

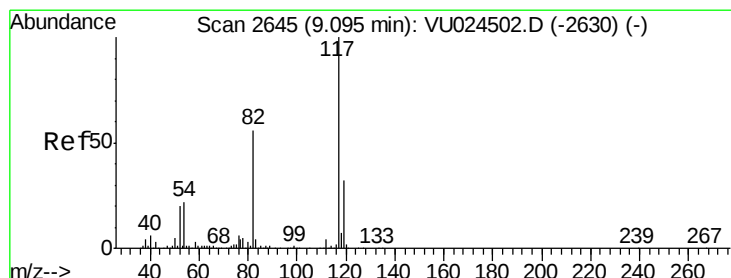
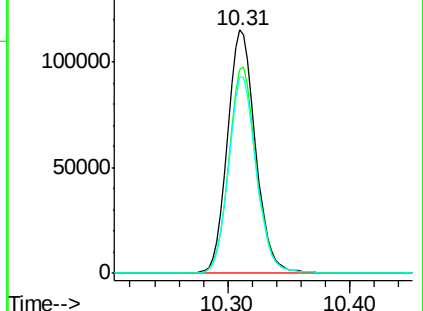
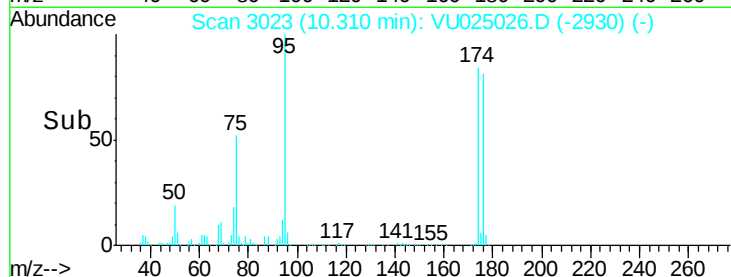
176 79.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025026.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025026.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025026.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

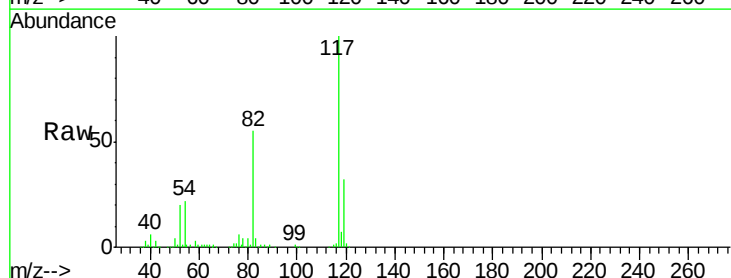
Tgt Ion: 117 Resp: 316659

Ion Ratio Lower Upper

117 100

82 54.9 44.3 66.5

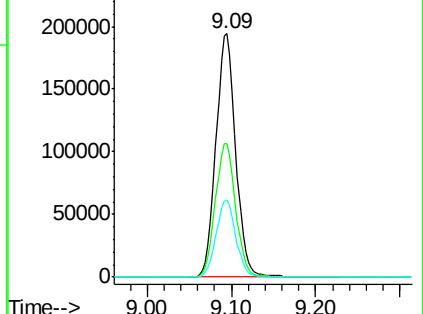
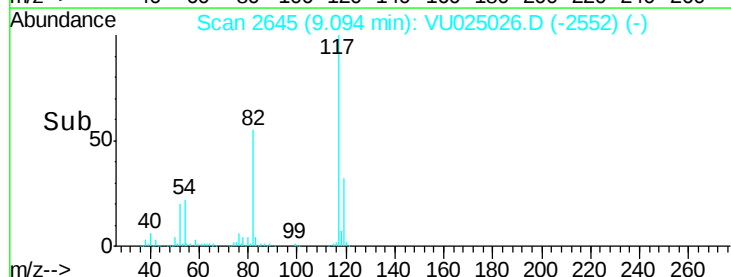
119 31.8 25.4 38.2

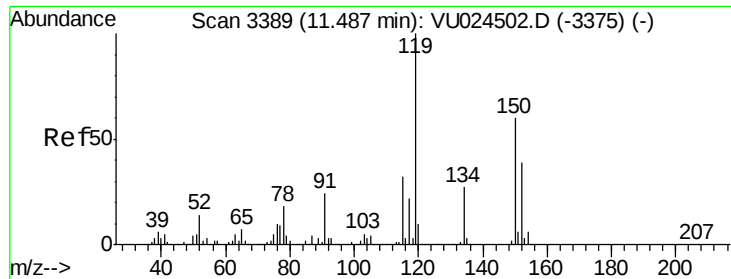


Abundance Ion 116.90 (116.60 to 117.60): VU025026.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025026.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025026.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-33-35-180622

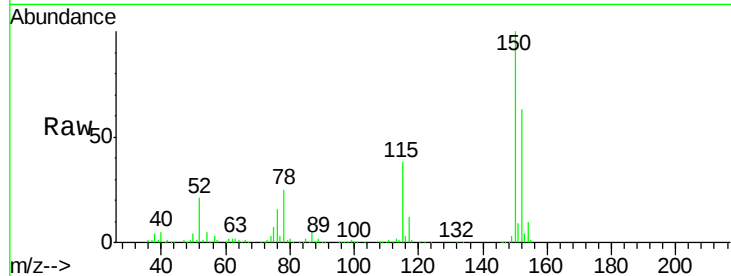
Tgt Ion:152 Resp: 167782

Ion Ratio Lower Upper

152 100

115 58.9 43.0 129.0

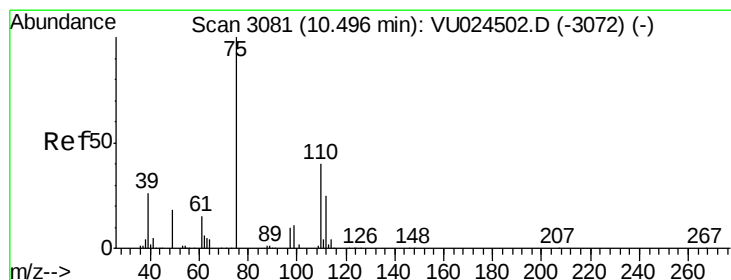
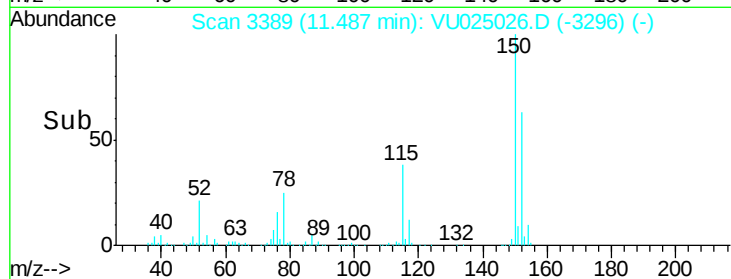
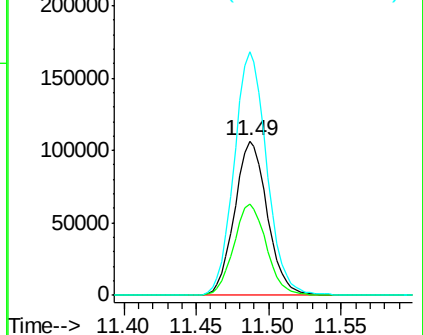
150 156.9 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.771 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025026.D

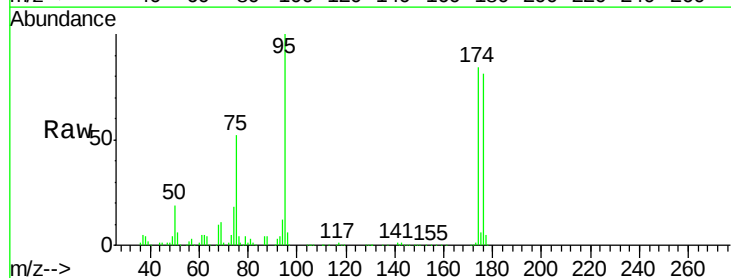
Acq: 28 Jun 2018 17:30

Tgt Ion: 75 Resp: 95198

Ion Ratio Lower Upper

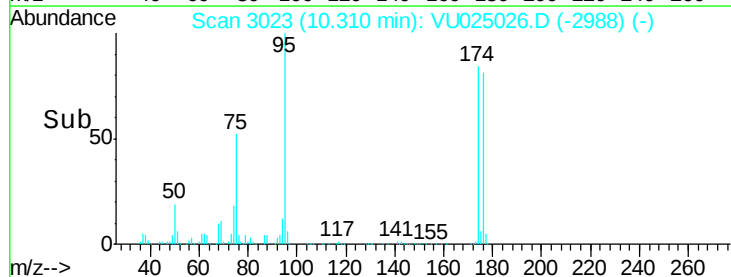
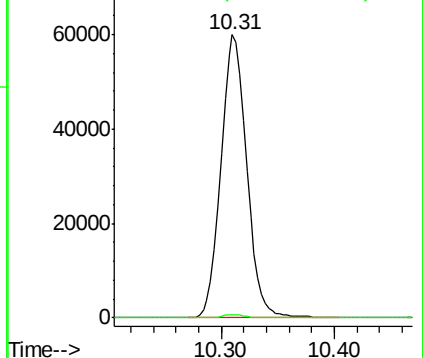
75 100

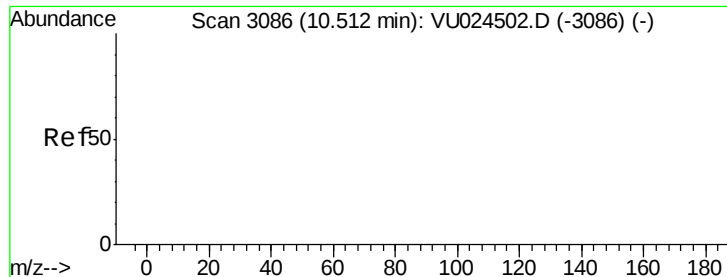
77 1.0 20.9 62.7#



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: 59.646 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-33-35-180622

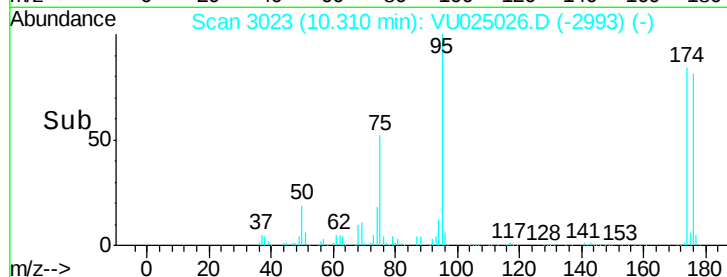
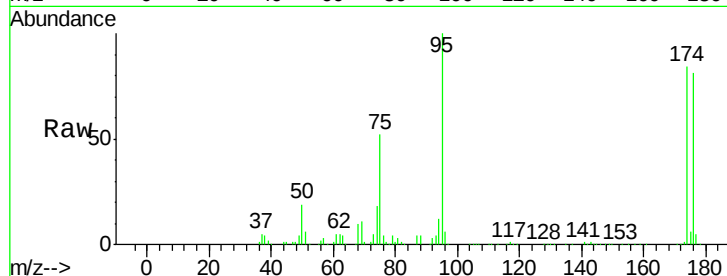
Tgt Ion: 75 Resp: 95198

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

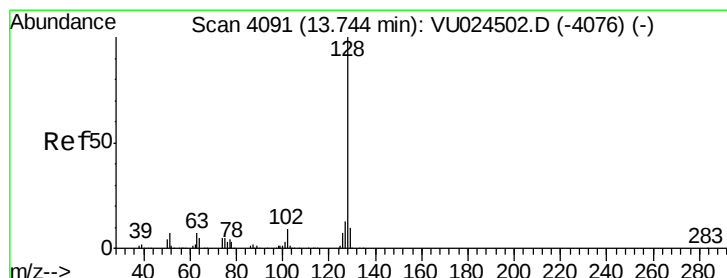
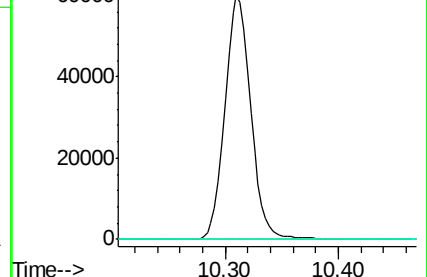
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025026.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU025026.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU025026.D (-2993) (-)



#95

Naphthalene

Concen: 0.802 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025026.D

Acq: 28 Jun 2018 17:30

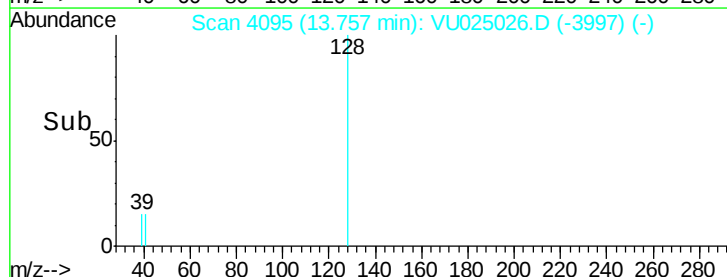
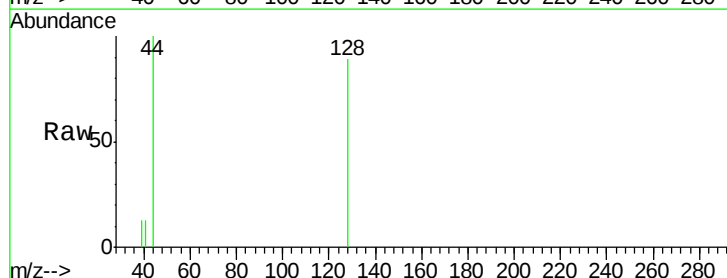
Tgt Ion: 128 Resp: 1538

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): VU025026.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU025026.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU025026.D (-3997) (-)

