

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025208.D
 Acq On : 05 Jul 2018 12:10
 Operator : MD/SY
 Sample : J3808-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E1TB04-180628

Quant Time: Jul 06 05:11:00 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	208668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311991	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147492	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	157202	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	4.89	113	123573	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	7.57	98	446846	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	10.31	95	164495	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

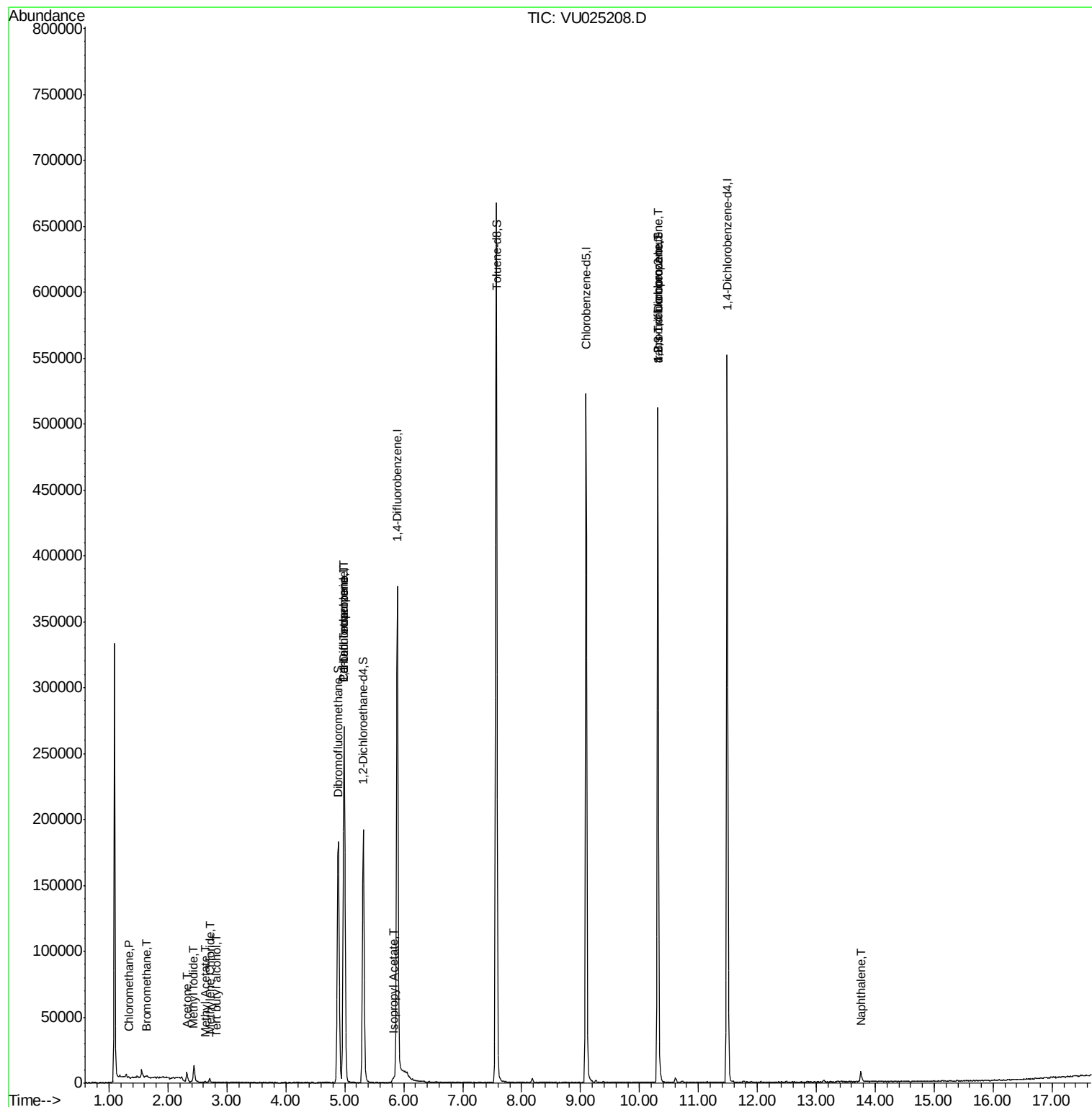
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	641	0.24	ug/l	97
5) Bromomethane	1.63	94	687	0.52	ug/l	# 69
6) Chloroethane	1.70	64	81	Below Cal	#	43
10) Methyl Iodide	2.42	142	307	5.41	ug/l	# 57
11) Tert butyl alcohol	2.82	59	200	0.24	ug/l	# 72
16) Acetone	2.32	43	7837	4.28	ug/l	# 88
18) Methyl Acetate	2.62	43	985	0.25	ug/l	# 53
20) Methylene Chloride	2.70	84	1120	0.39	ug/l	# 78
31) Cyclohexane	4.99	56	4177	Below Cal	#	14
36) 1,1-Dichloropropene	4.98	75	15930	4.35	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	20356	5.05	ug/l	# 16
43) Isopropyl Acetate	5.81	43	2705	0.39	ug/l	# 62
76) 1,2,3-Trichloropropane	10.31	75	85472	26.32	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	85472	60.92	ug/l	# 100
95) Naphthalene	13.76	128	8658	1.47	ug/l	# 87

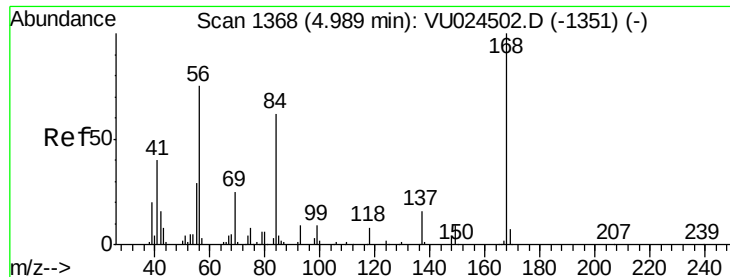
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

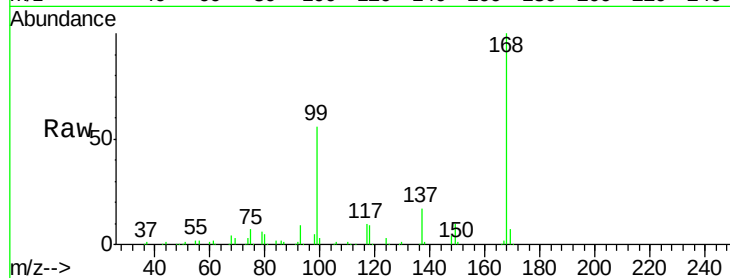
E1TB04-180628

Tot Ion:168 Resp: 208668

Ion Ratio Lower Upper

168 100

99 56.4 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

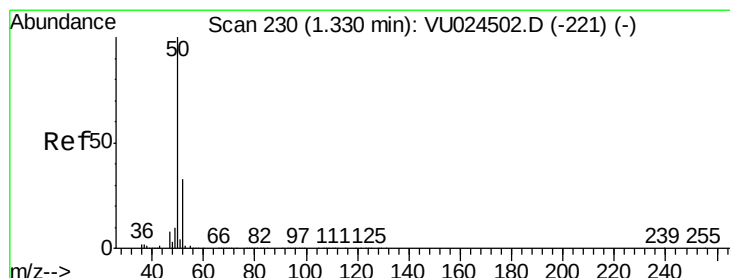
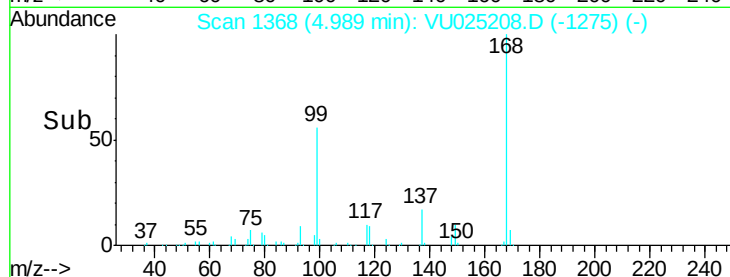
40000

20000

0

Time-->

4.90 5.00 5.10



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025208.D

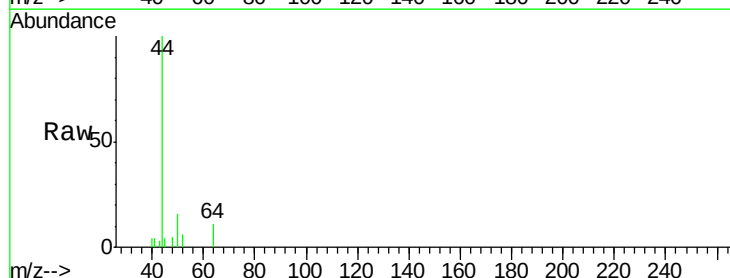
Acq: 05 Jul 2018 12:10

Tgt Ion: 50 Resp: 641

Ion Ratio Lower Upper

50 100

52 34.4 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

500

400

300

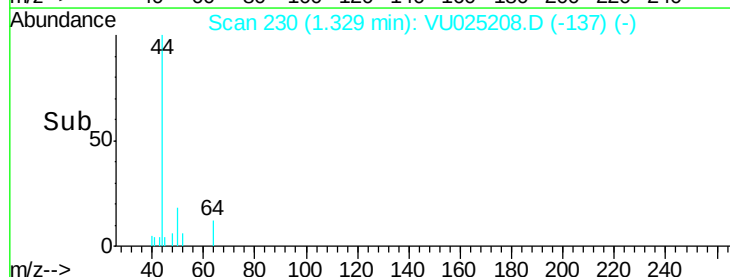
200

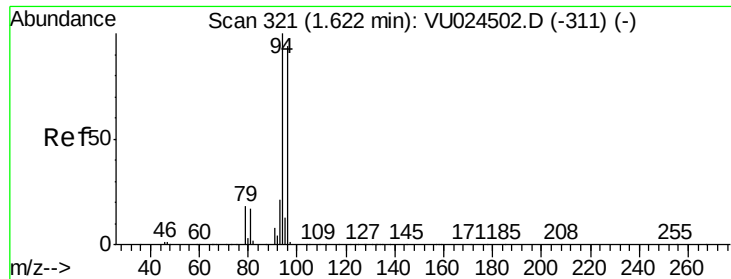
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.52 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

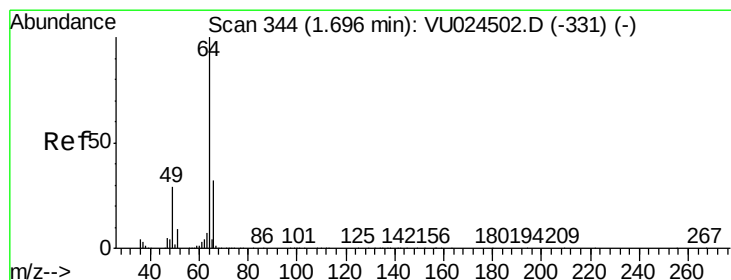
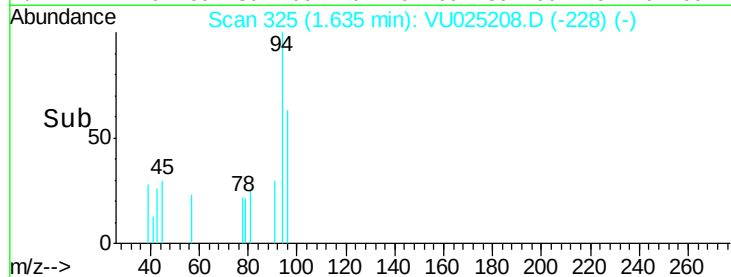
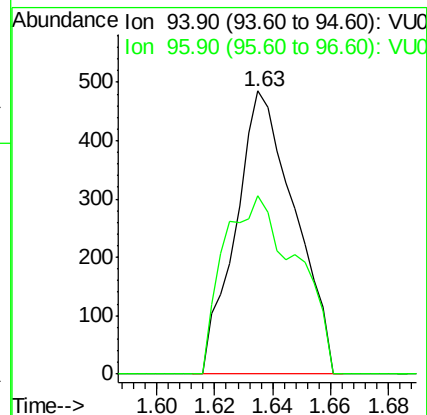
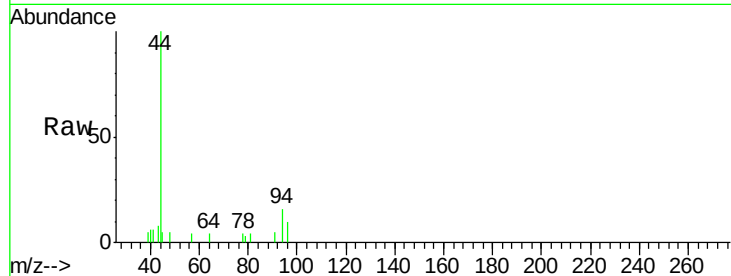
E1TB04-180628

Tot Ion: 94 Resp: 687

Ion Ratio Lower Upper

94 100

96 63.1 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025208.D

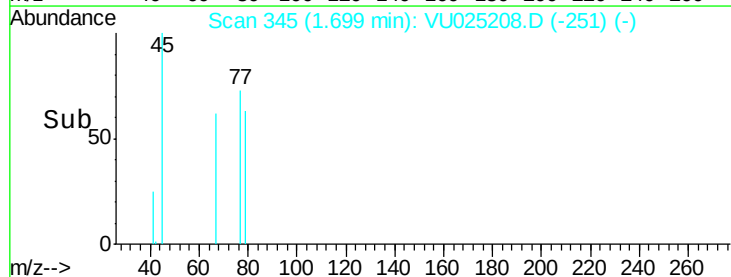
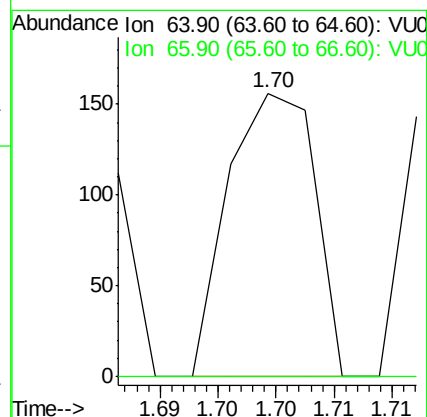
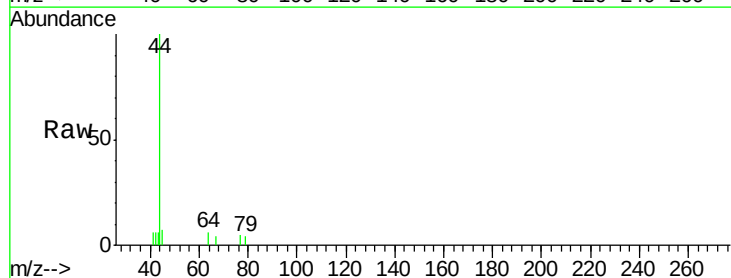
Acq: 05 Jul 2018 12:10

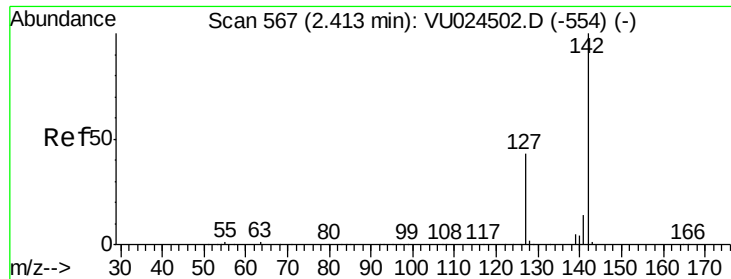
Tgt Ion: 64 Resp: 81

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methvl Iodide

Concen: 5.41 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

E1TB04-180628

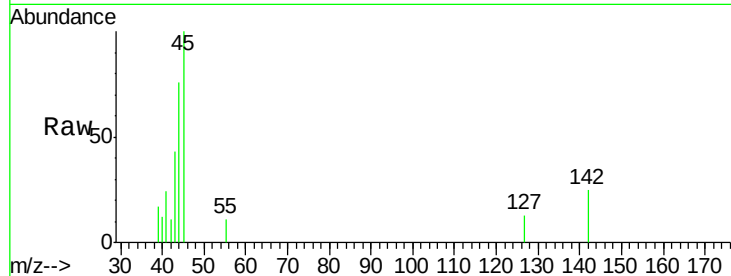
Tot Ion:142 Resp: 307

Ion Ratio Lower Upper

142 100

127 15.0 35.6 53.4#

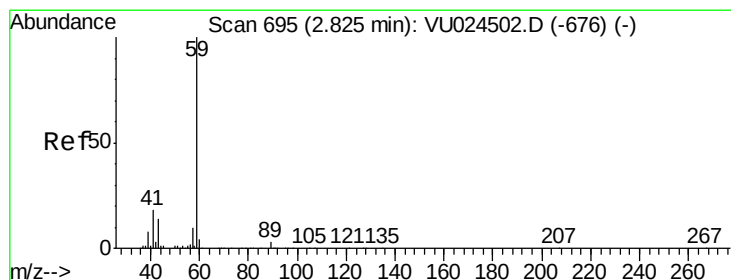
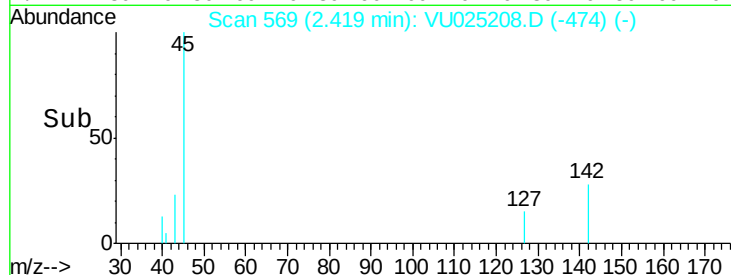
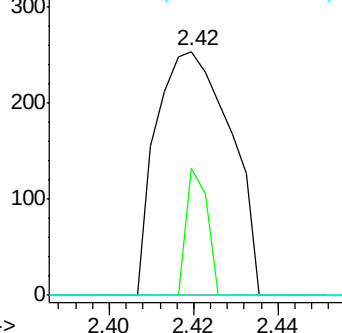
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VU025208.D

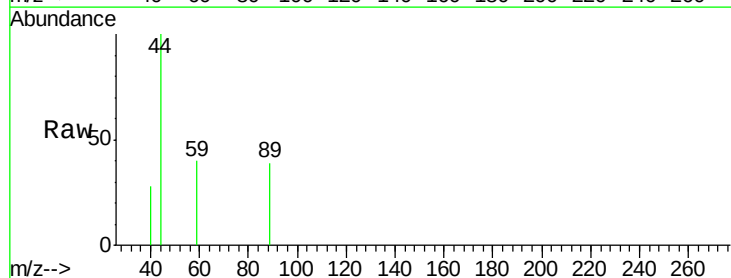
Acq: 05 Jul 2018 12:10

Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

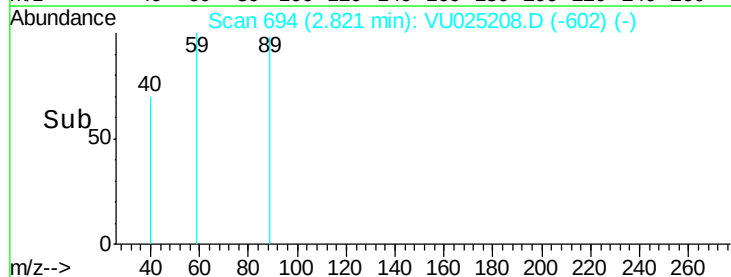
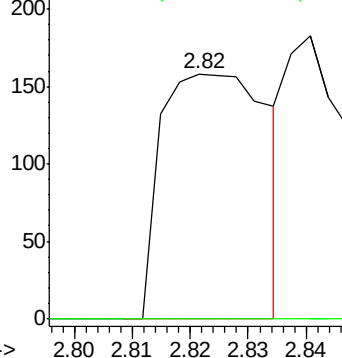
59 100

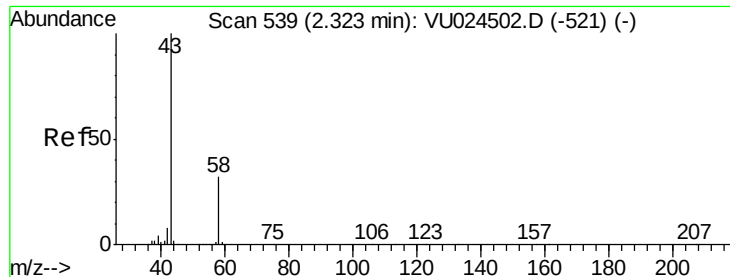
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 4.28 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

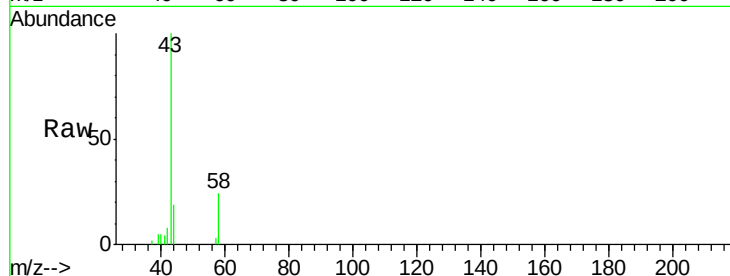
E1TB04-180628

Tot Ion: 43 Resp: 7837

Ion Ratio Lower Upper

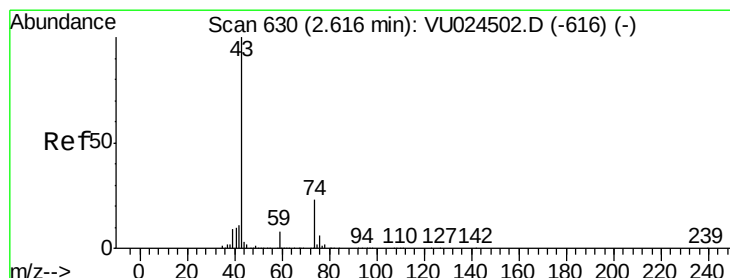
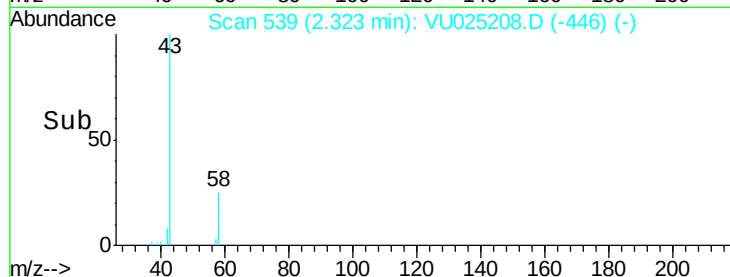
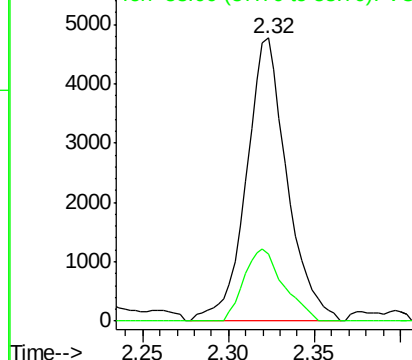
43 100

58 23.8 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU025208.D

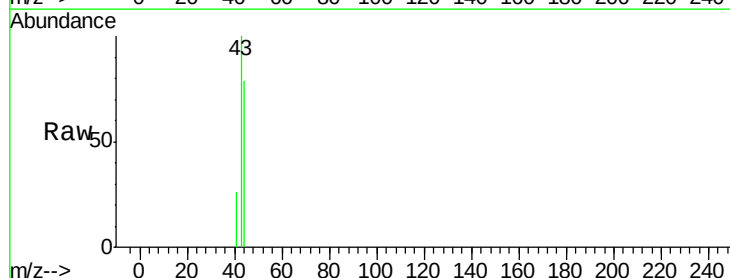
Acq: 05 Jul 2018 12:10

Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

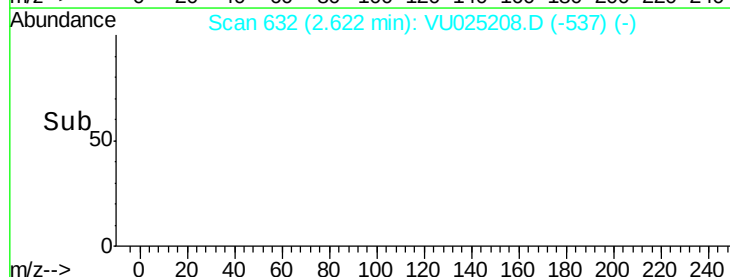
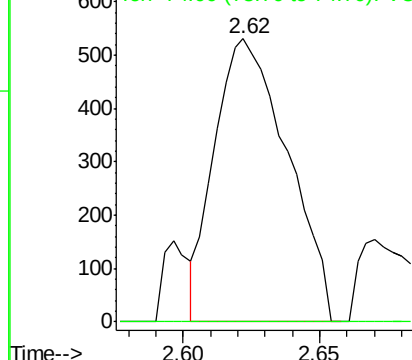
43 100

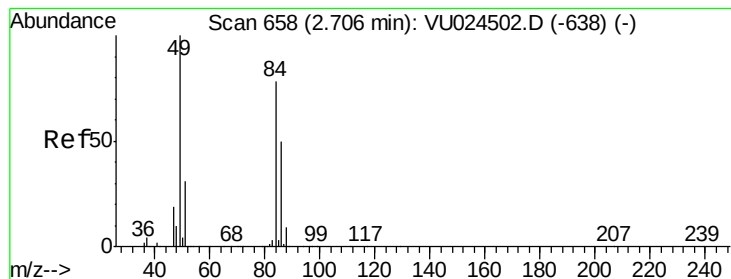
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.70 min Scan# 656

Delta R.T. -0.01 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

E1TB04-180628

Tot Ion: 84 Resp: 1120

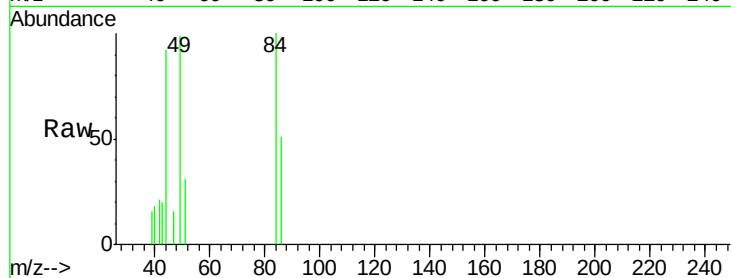
Ion Ratio Lower Upper

84 100

49 98.9 103.8 155.8#

51 31.1 32.0 48.0#

86 51.2 51.6 77.4#

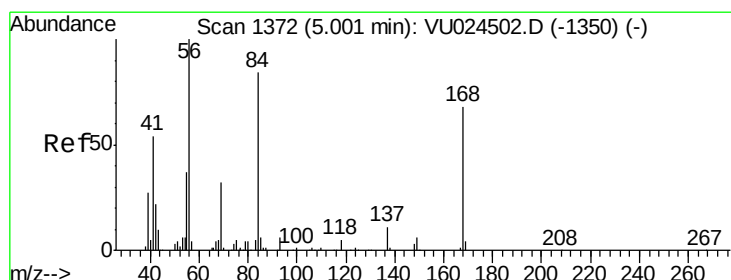
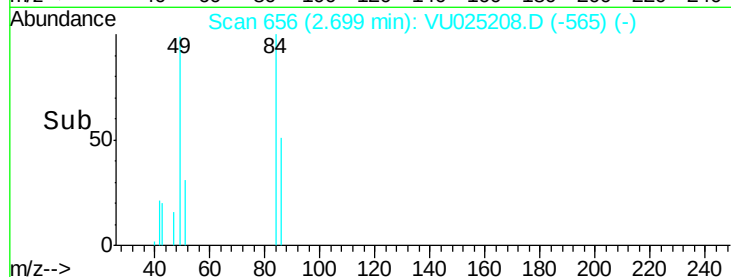
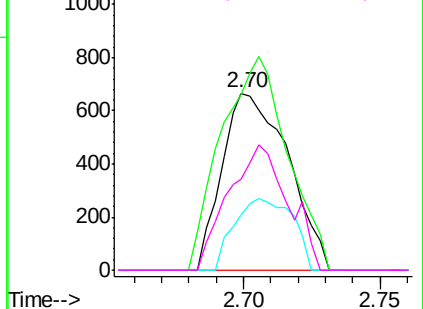


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

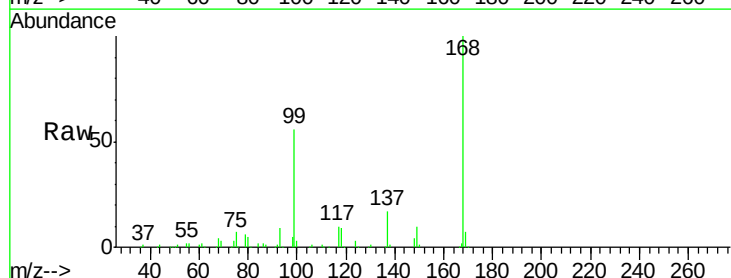
Tgt Ion: 56 Resp: 4177

Ion Ratio Lower Upper

56 100

69 158.7 24.8 37.2#

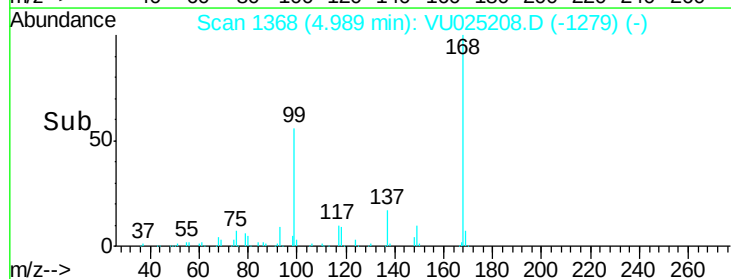
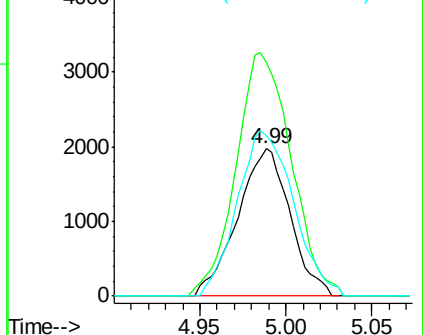
84 108.9 65.2 97.8#

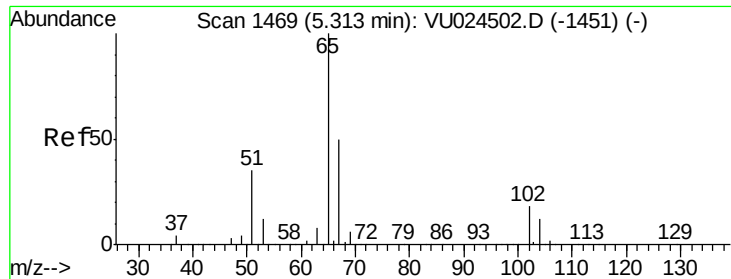


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

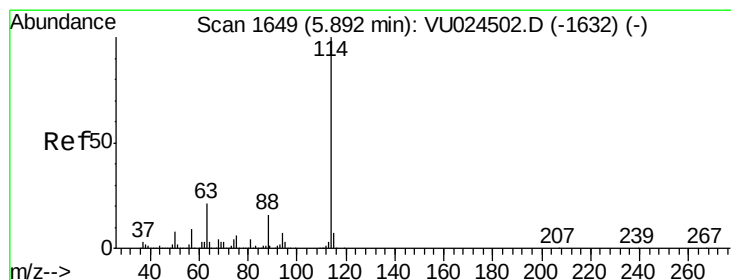
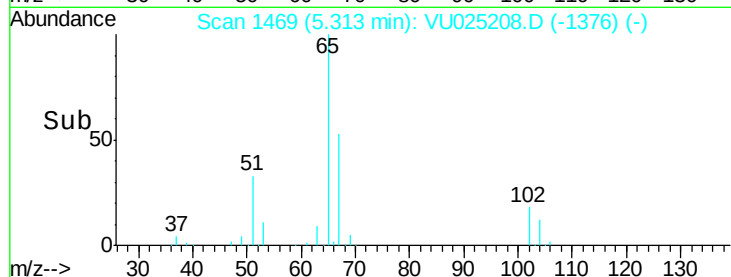
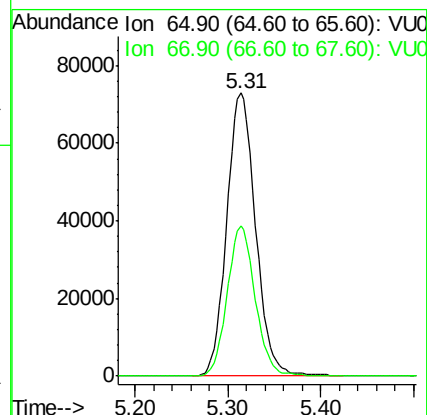
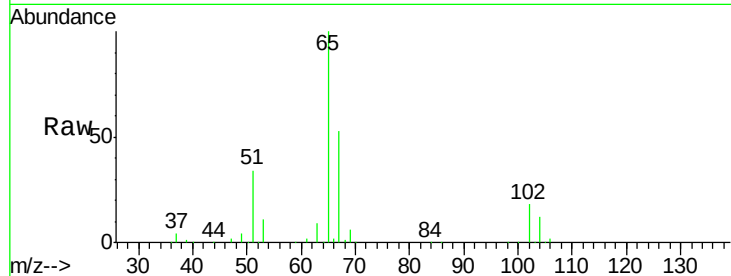




#33
 1,2-Dichloroethane-d4
 Concen: 46.15 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025208.D
 Acq: 05 Jul 2018 12:10

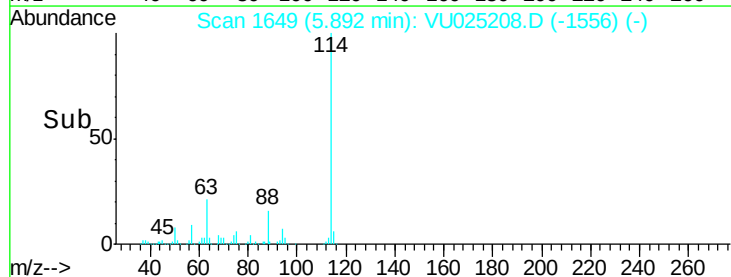
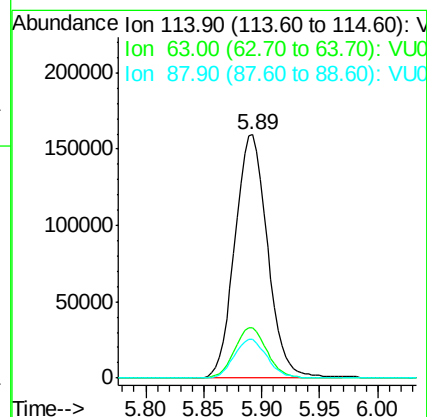
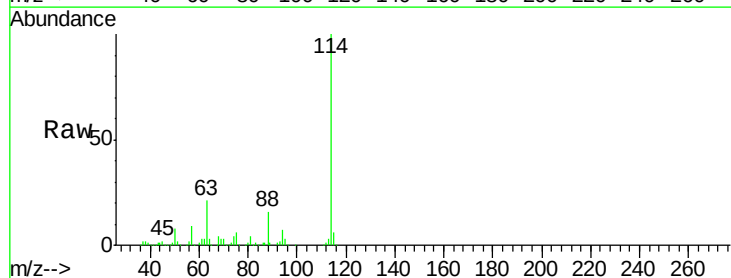
Instrument :
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 E1TB04-180628

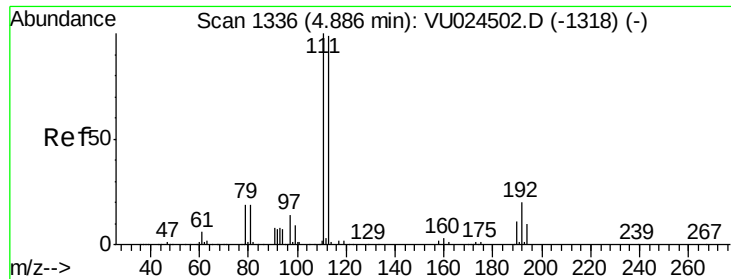
Tot Ion: 65 Resp: 157202
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025208.D
 Acq: 05 Jul 2018 12:10

Tgt Ion: 114 Resp: 311991
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 15.9 0.0 31.0

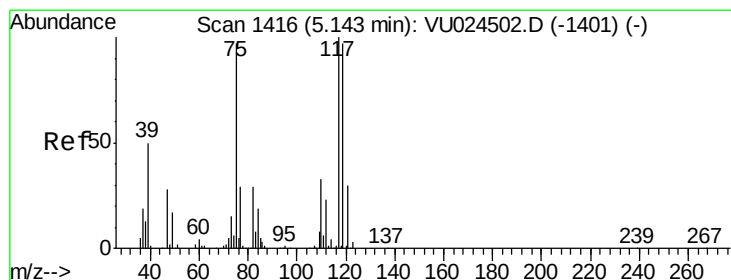
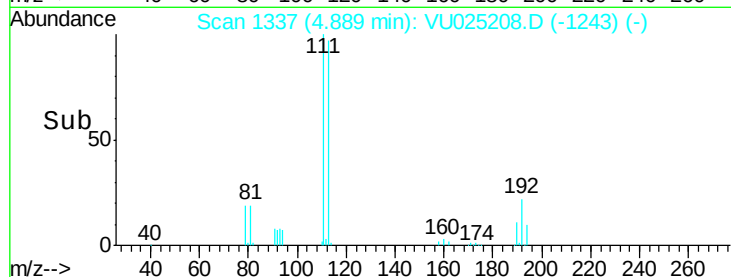
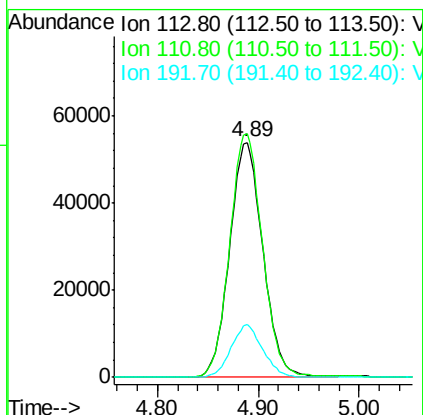
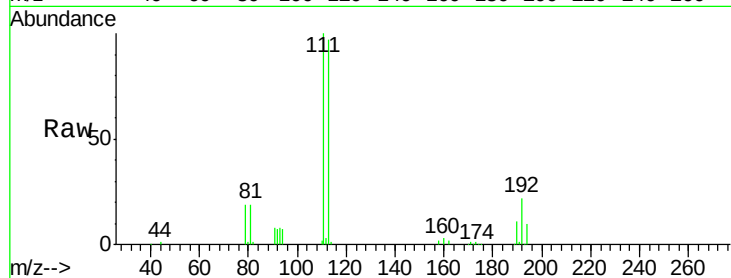




#35
 Dibromofluoromethane
 Concen: 47.72 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025208.D
 Acq: 05 Jul 2018 12:10

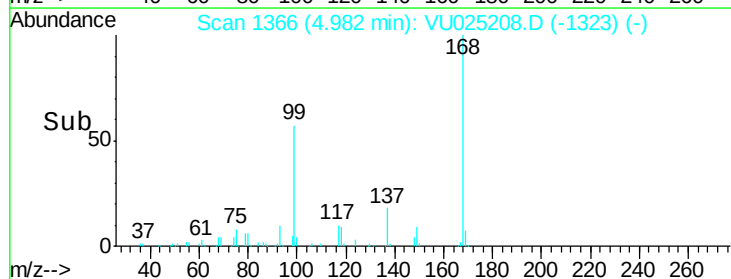
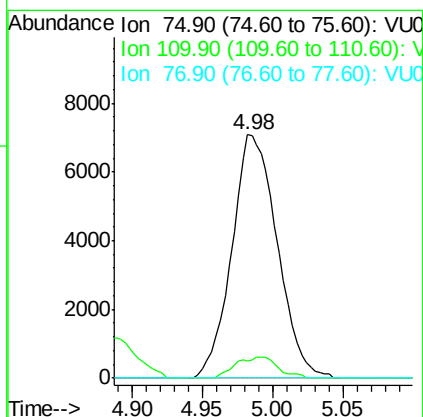
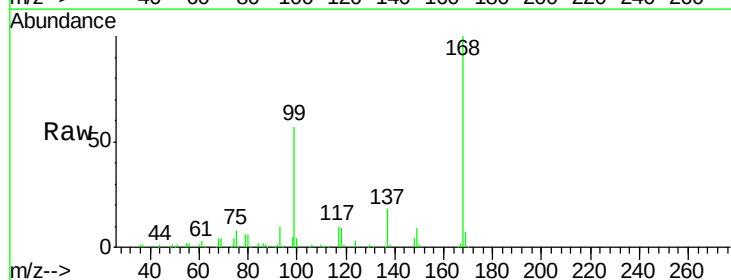
Instrument :
 MSVOA_U
 ClientSampleId :
 E1TB04-180628

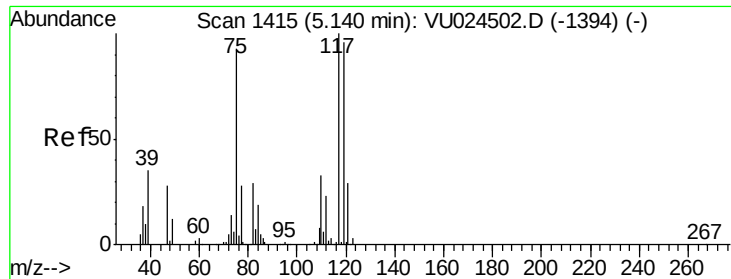
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	21.3	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.35 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU025208.D
 Acq: 05 Jul 2018 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.05 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

E1TB04-180628

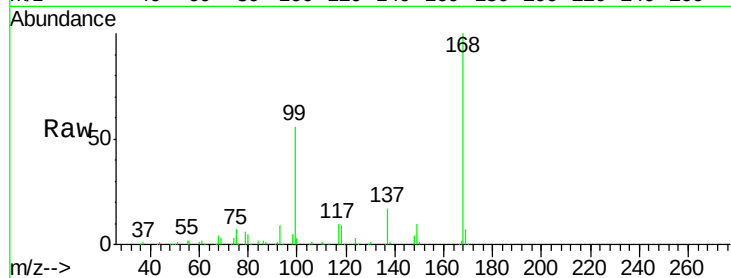
Tot Ion:117 Resp: 20356

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

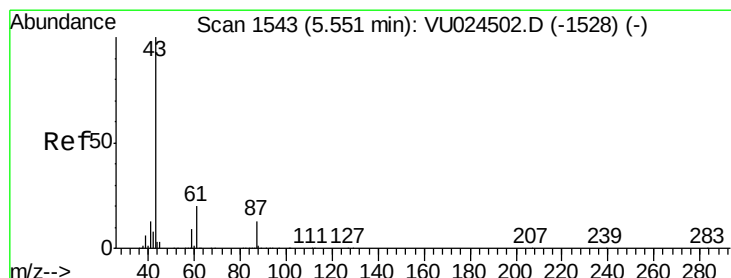
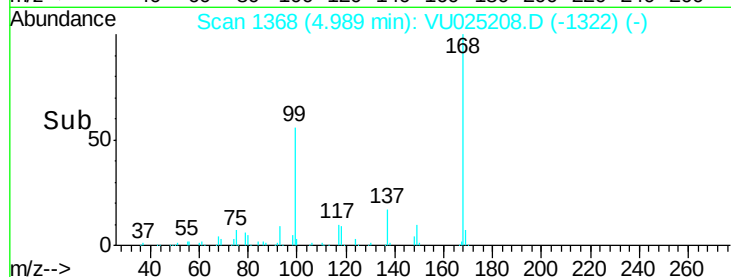
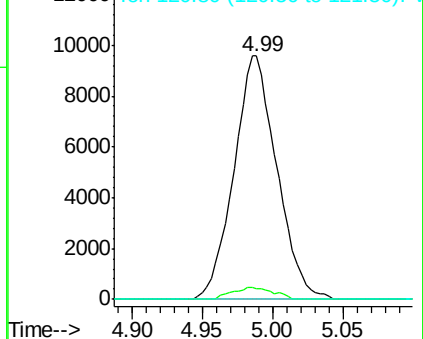
121 0.0 23.7 35.5#



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



#43

Isopropyl Acetate

Concen: 0.39 ug/l

RT: 5.81 min Scan# 1625

Delta R.T. 0.26 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

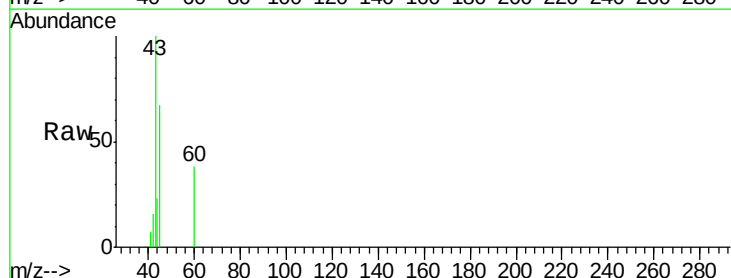
Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

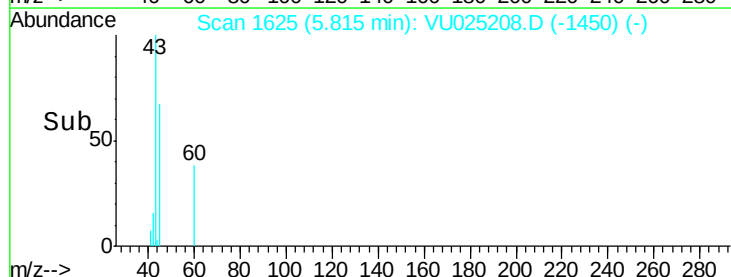
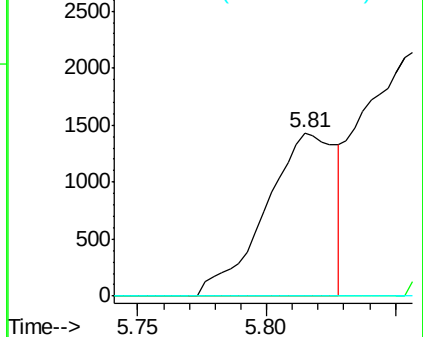
87 0.0 10.0 15.0#

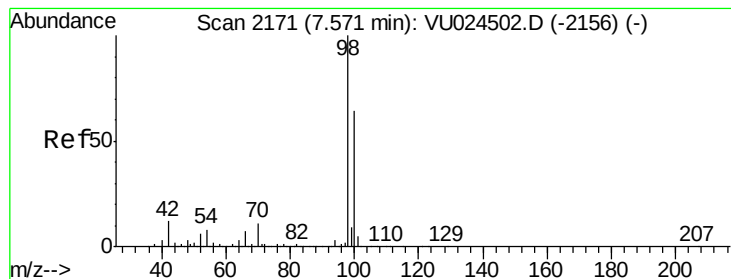


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#50

Toluene-d8

Concen: 47.31 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

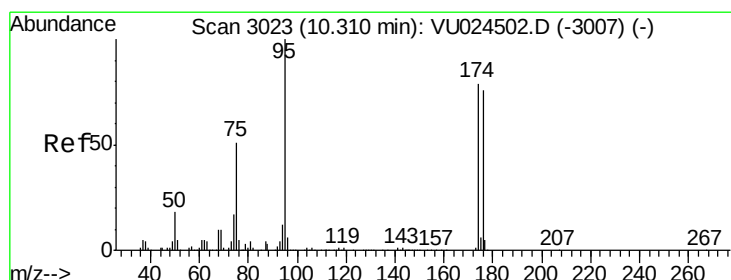
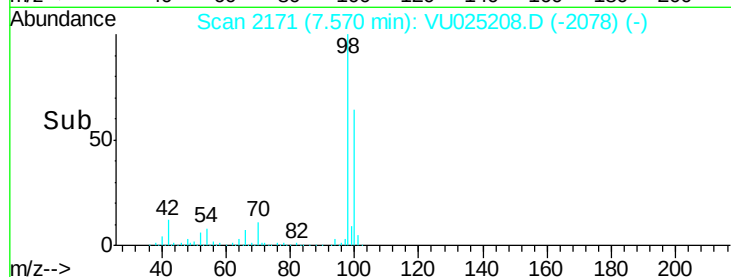
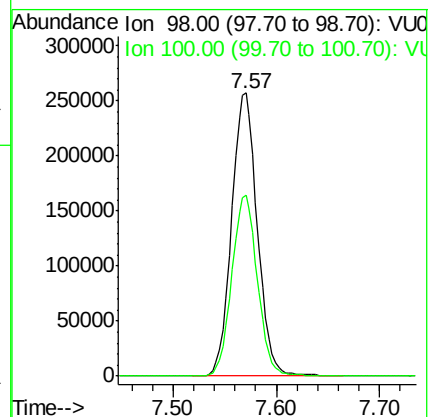
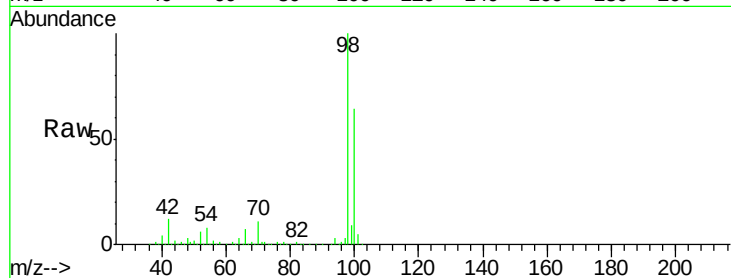
E1TB04-180628

Tot Ion: 98 Resp: 446846

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 43.87 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

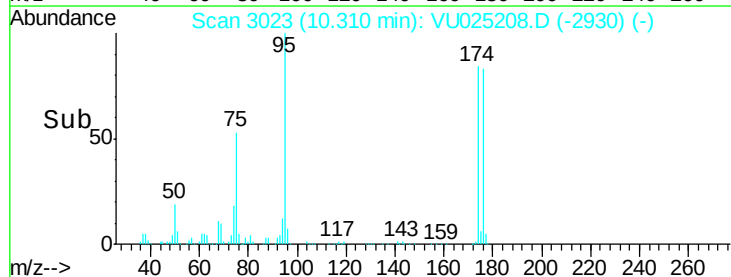
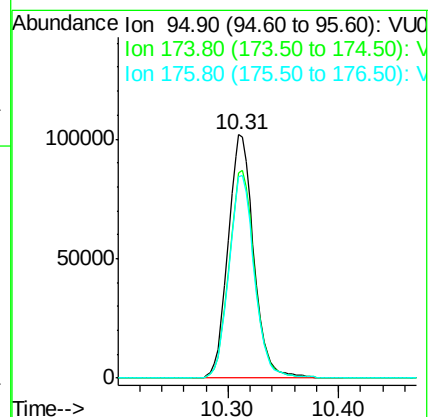
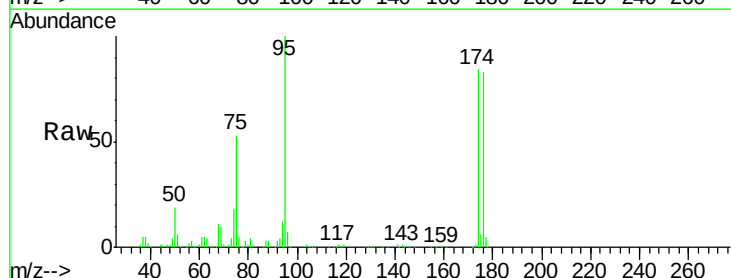
Tgt Ion: 95 Resp: 164495

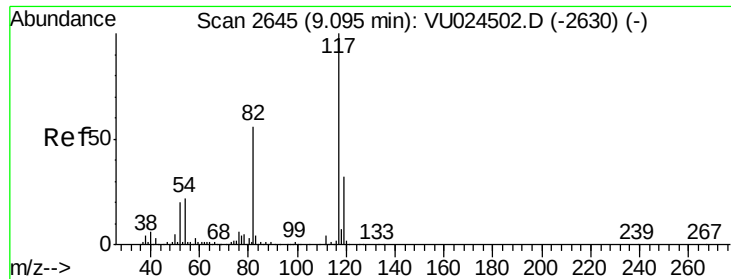
Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

176 82.5 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

E1TB04-180628

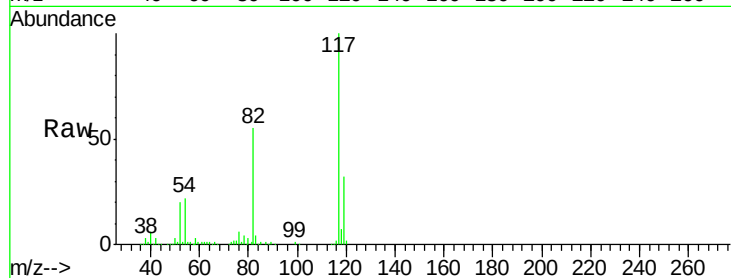
Tot Ion:117 Resp: 287876

Ion Ratio Lower Upper

117 100

82 55.3 44.3 66.5

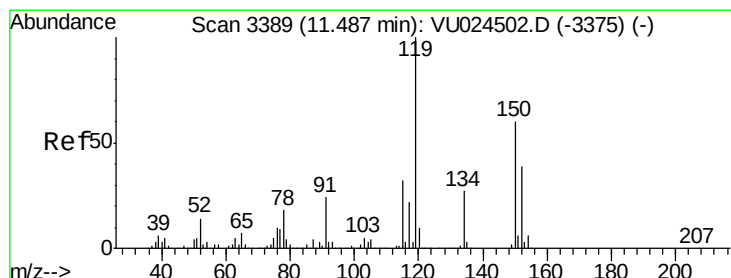
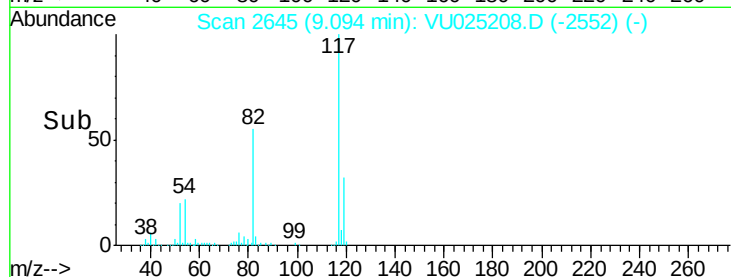
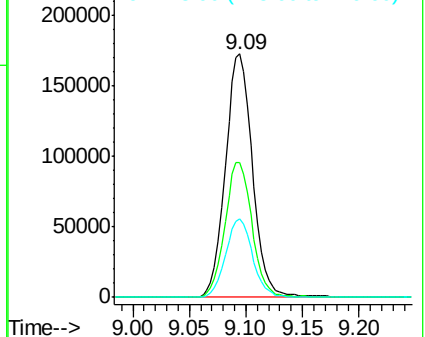
119 32.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

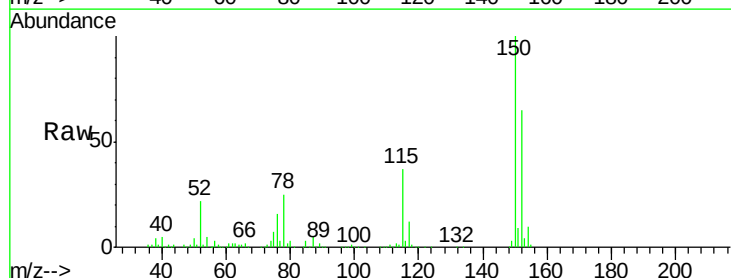
Tgt Ion:152 Resp: 147492

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

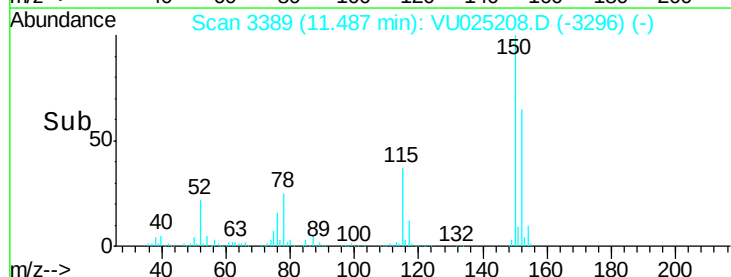
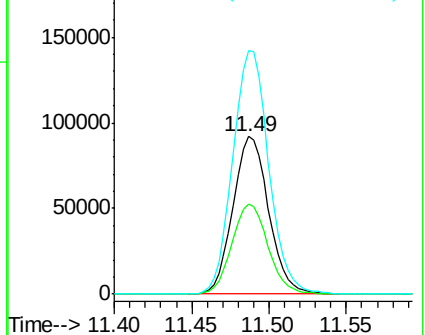
150 156.4 0.0 354.0

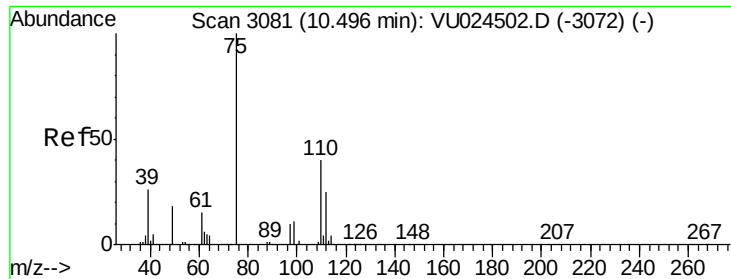


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.32 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

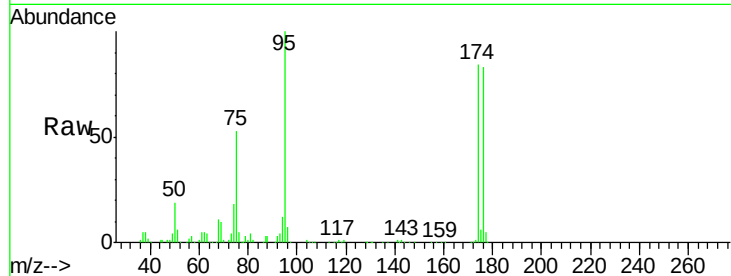
E1TB04-180628

Tot Ion: 75 Resp: 85472

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

60000

50000

40000

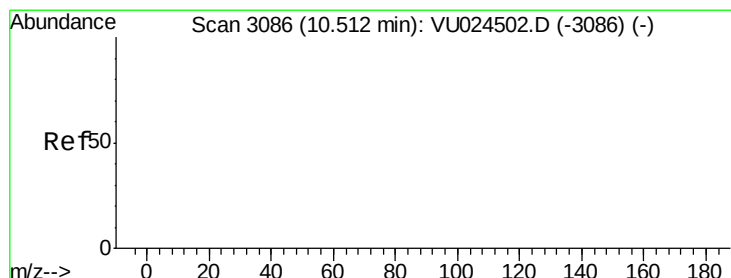
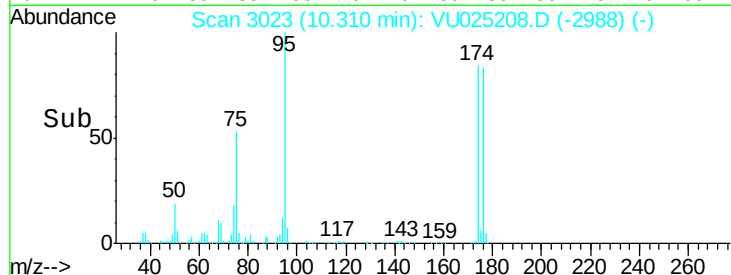
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.92 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

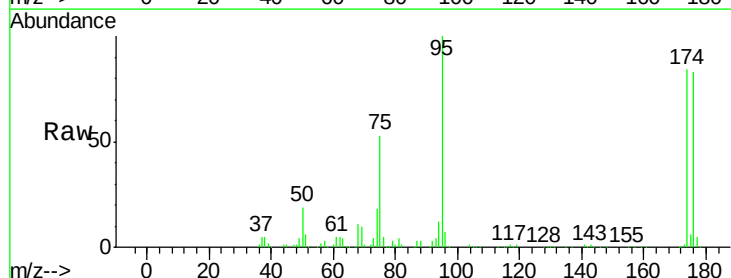
Tgt Ion: 75 Resp: 85472

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

10.31

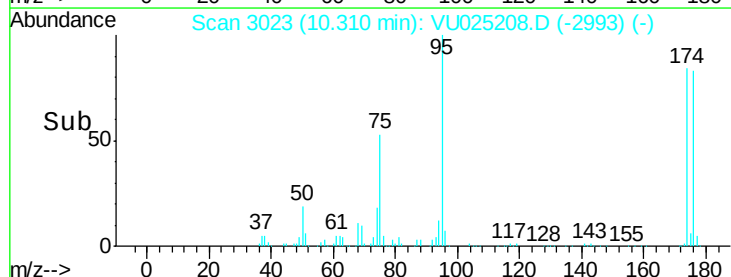
60000

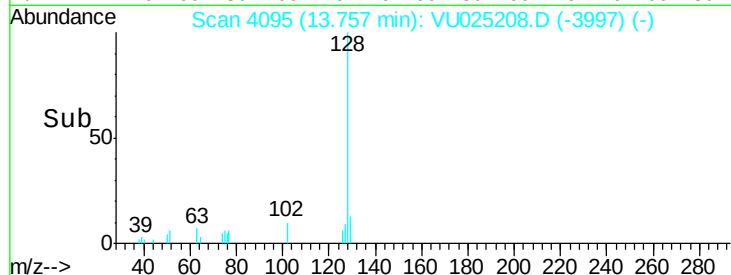
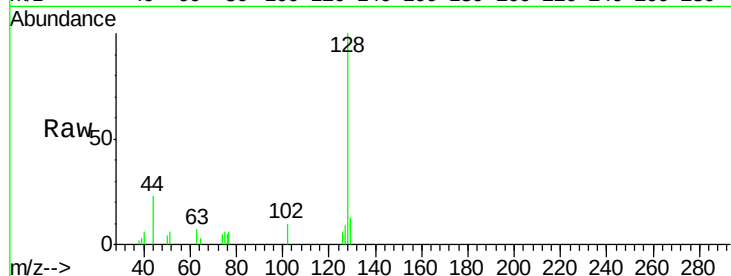
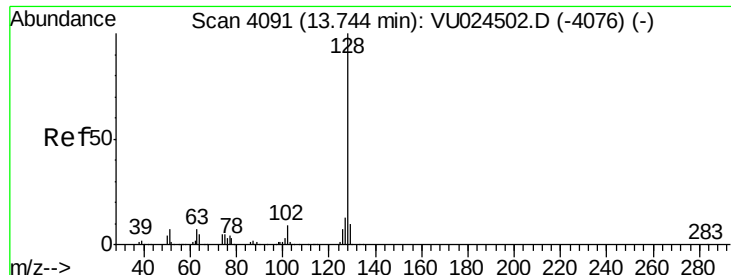
40000

20000

0

Time-->





#95

Naphthalene

Concen: 1.47 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025208.D

Acq: 05 Jul 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

E1TB04-180628

Tot Ion:128 Resp: 8658

Ion Ratio Lower Upper

128 100

127 4.9 10.6 16.0#

129 12.0 8.6 12.8

