

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025189.D
 Acq On : 03 Jul 2018 14:27
 Operator : MD/SY
 Sample : J3760-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB05-180627

Quant Time: Jul 04 04:58:10 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	203082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142760	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	155939	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	4.89	113	118540	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	7.57	98	435428	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
62) 4-Bromofluorobenzene	10.31	95	160339	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	

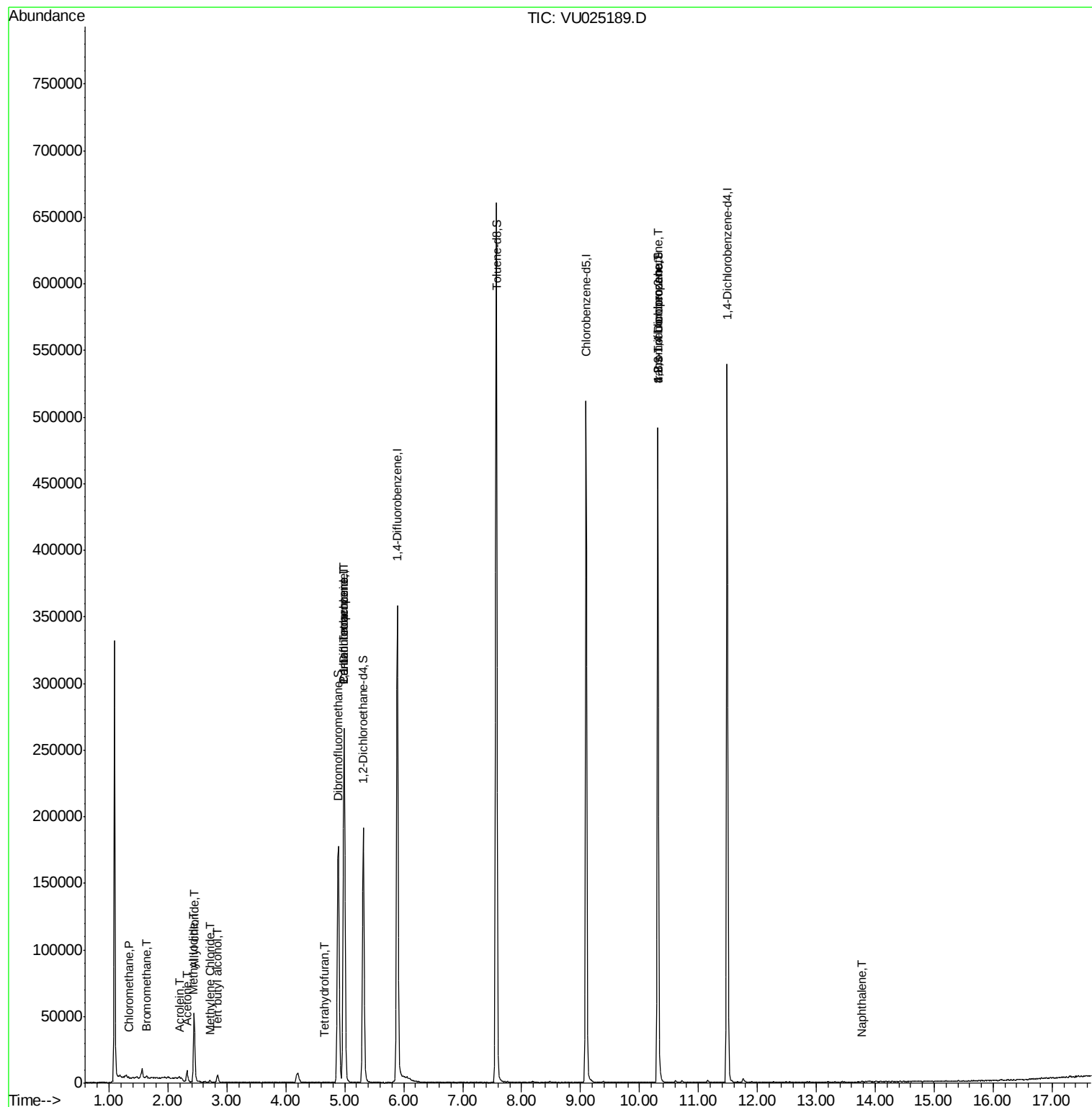
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	520	0.200	ug/l	99
5) Bromomethane	1.63	94	528	0.408	ug/l #	47
6) Chloroethane	1.69	64	44	Below Cal	#	43
10) Methyl Iodide	2.42	142	165	5.357	ug/l #	40
11) Tert butyl alcohol	2.84	59	3235	4.012	ug/l #	72
13) Acrolein	2.19	56	107	0.253	ug/l #	2
14) Allyl chloride	2.44	41	5061	1.179	ug/l #	73
16) Acetone	2.32	43	9432	5.295	ug/l	99
20) Methylene Chloride	2.71	84	795	0.284	ug/l #	77
29) Tetrahydrofuran	4.66	42	456	0.308	ug/l #	34
31) Cyclohexane	4.98	56	4033	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15742	4.362	ug/l #	46
38) Carbon Tetrachloride	4.99	117	20355	5.129	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	84577	26.909	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84577	62.279	ug/l #	100
95) Naphthalene	13.78	128	326	0.710	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: VU025189.D

Acq: 03 Jul 2018 14:27

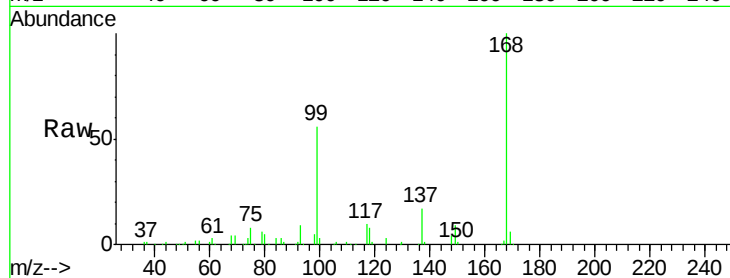
Instrument :
MSVOA_U
ClientSampleId :
Z2TB05-180627

Tot Ion:168 Resp: 203082

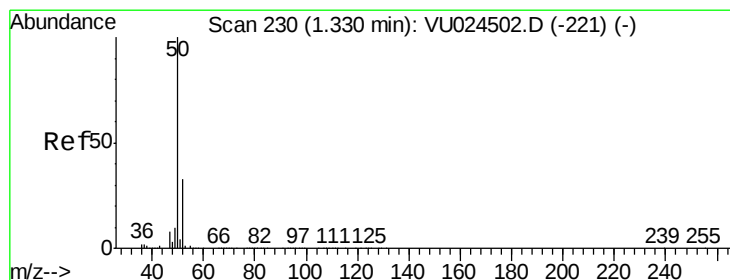
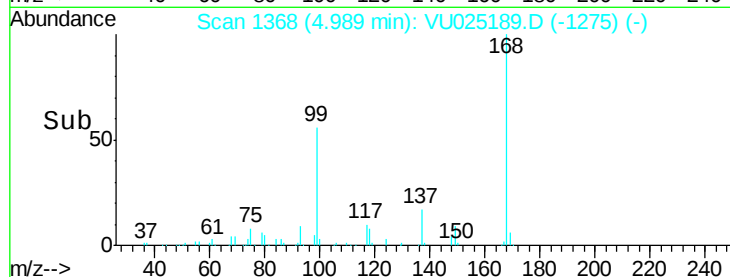
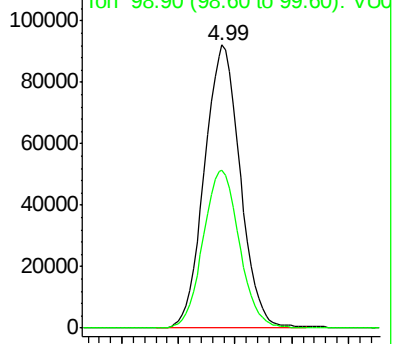
Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025189.D

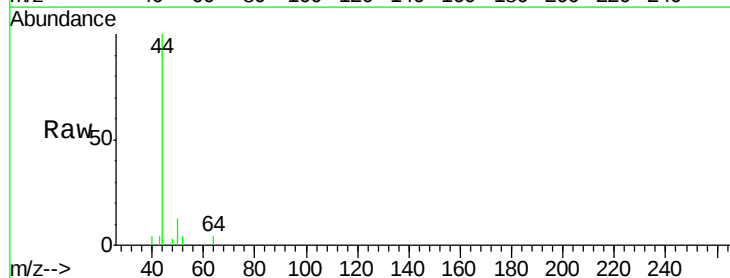
Acq: 03 Jul 2018 14:27

Tgt Ion: 50 Resp: 520

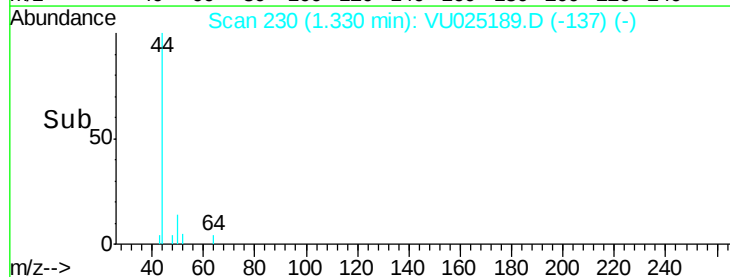
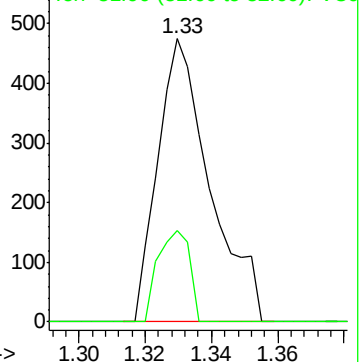
Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.408 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

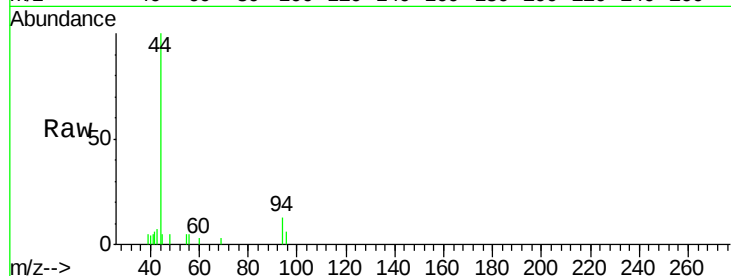
Z2TB05-180627

Tot Ion: 94 Resp: 528

Ion Ratio Lower Upper

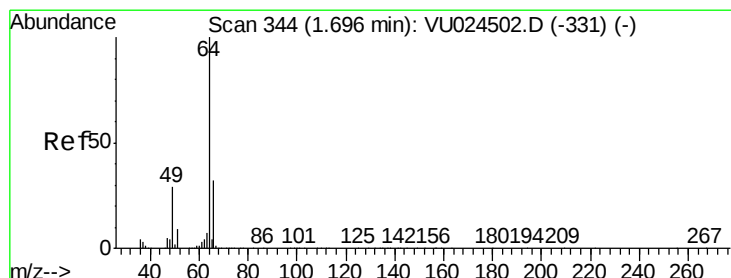
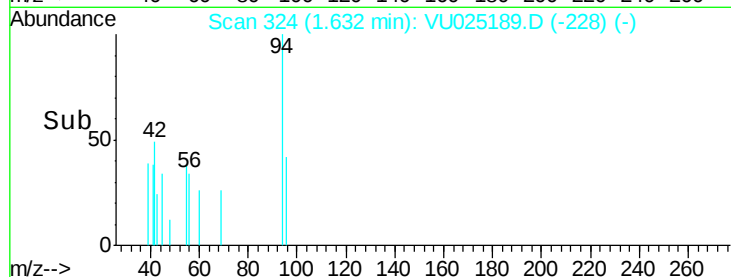
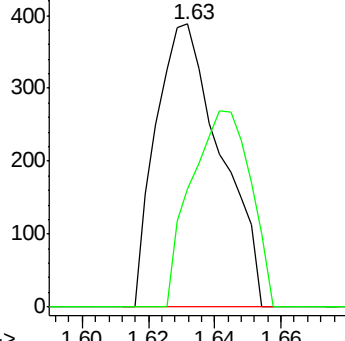
94 100

96 41.8 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: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025189.D

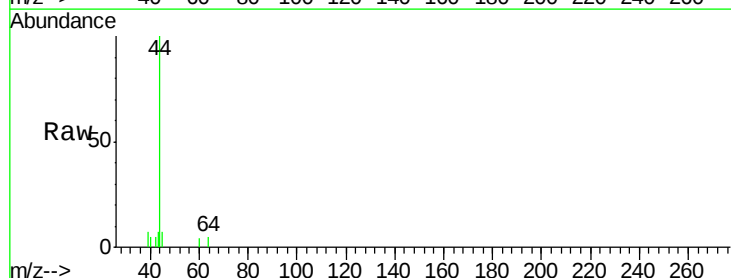
Acq: 03 Jul 2018 14:27

Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

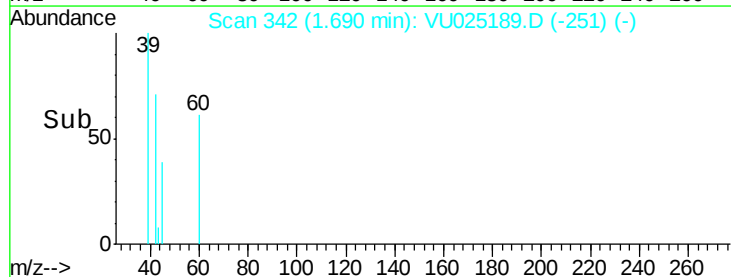
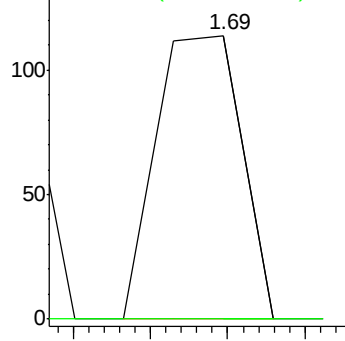
64 100

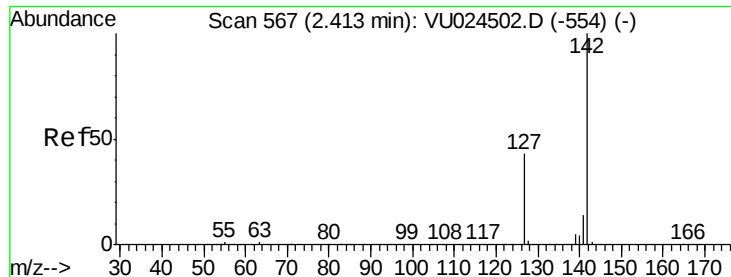
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

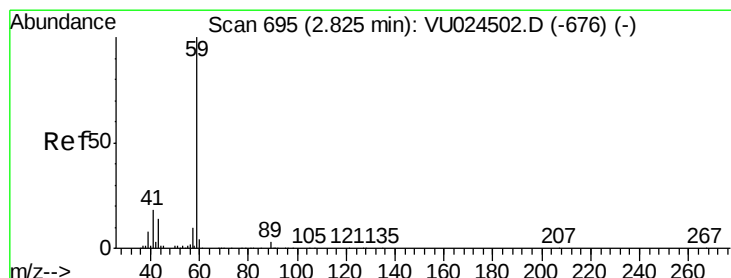
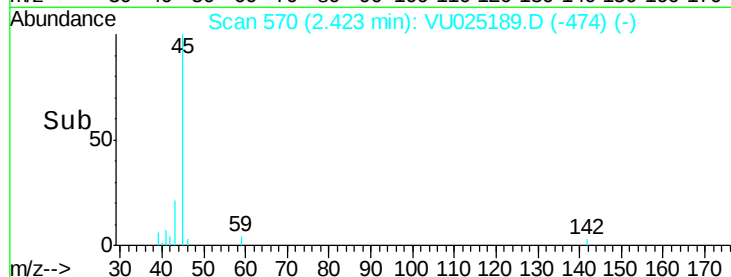
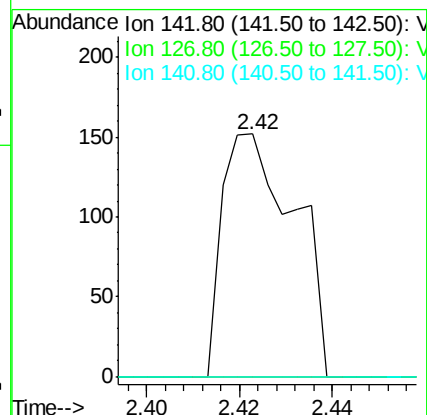
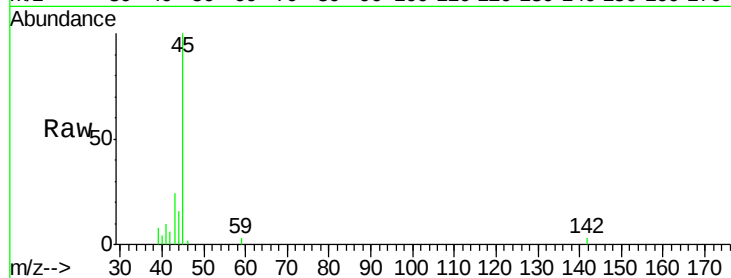




#10
Methvl Iodide
Concen: 5.357 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU025189.D
Acq: 03 Jul 2018 14:27

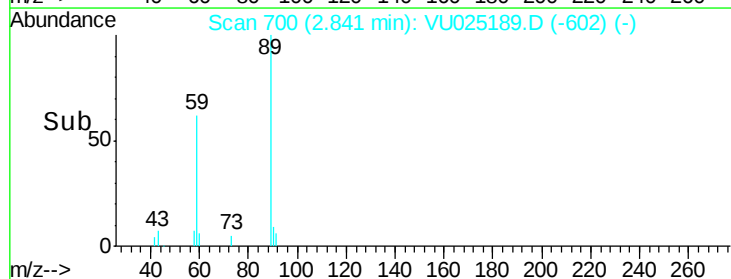
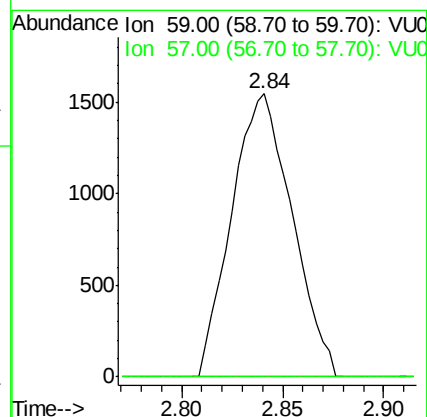
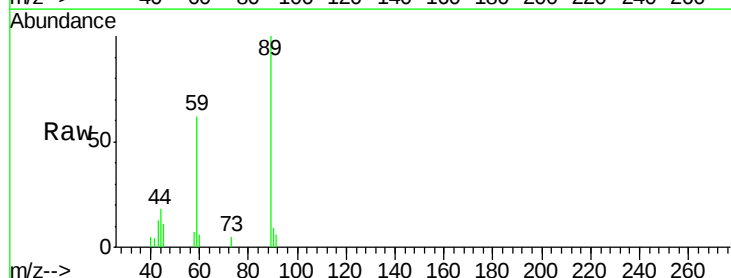
Instrument :
MSVOA_U
ClientSampleId :
Z2TB05-180627

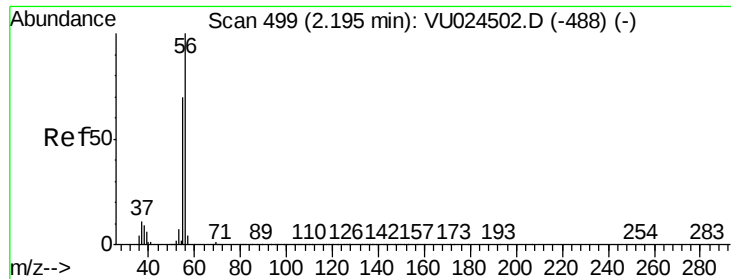
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.6	53.4#
141	0.0	11.7	17.5#



#11
Tert butyl alcohol
Concen: 4.012 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025189.D
Acq: 03 Jul 2018 14:27

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





#13

Acrolein

Concen: 0.253 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

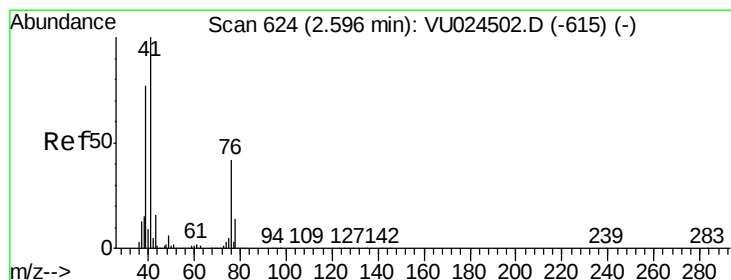
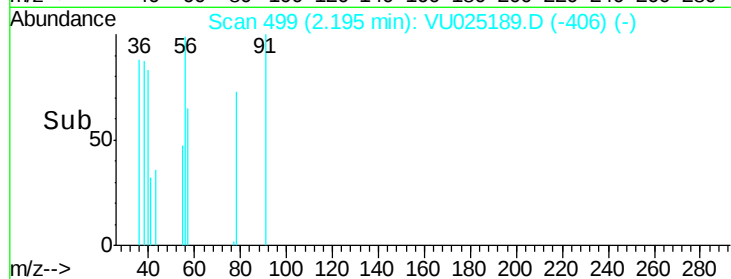
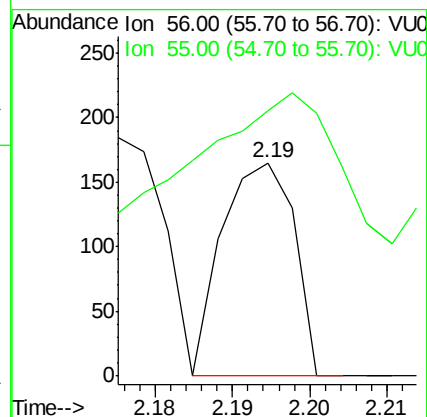
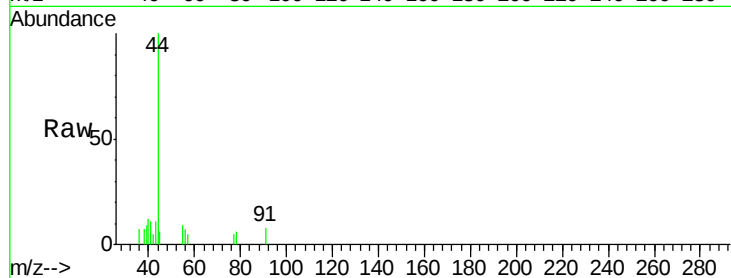
Z2TB05-180627

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 155.1 58.4 87.6#



#14

Allyl chloride

Concen: 1.179 ug/l

RT: 2.44 min Scan# 576

Delta R.T. -0.15 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

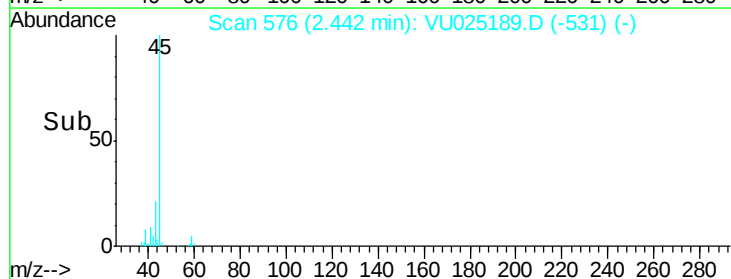
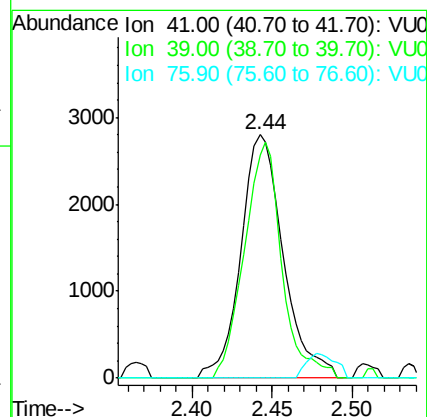
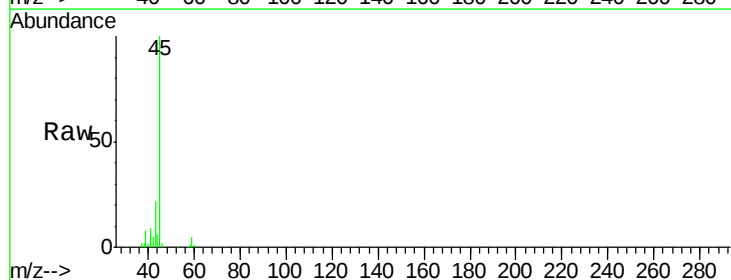
Tgt Ion: 41 Resp: 5061

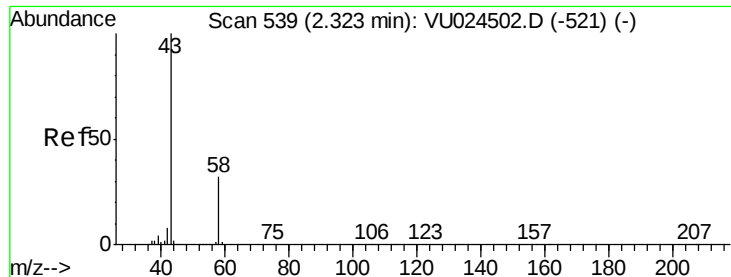
Ion Ratio Lower Upper

41 100

39 85.3 61.6 92.4

76 0.0 29.7 44.5#





#16

Acetone

Concen: 5.295 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

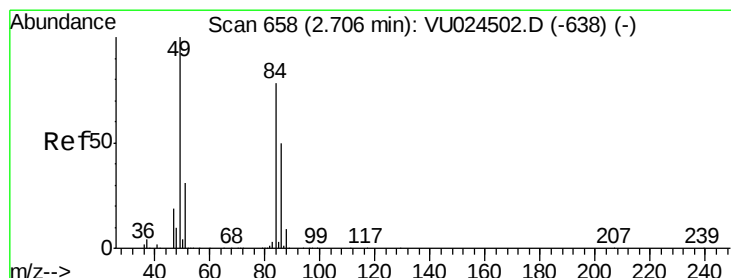
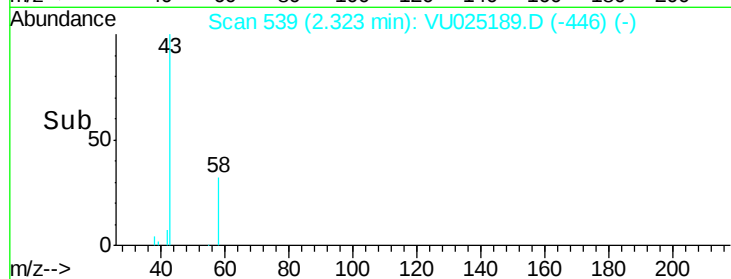
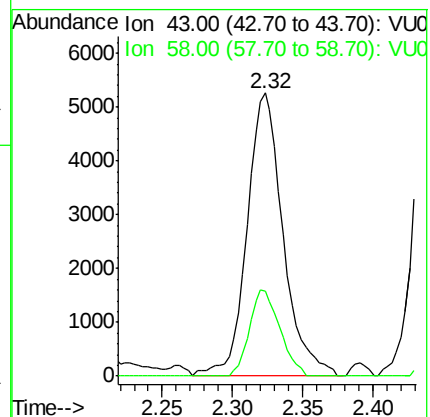
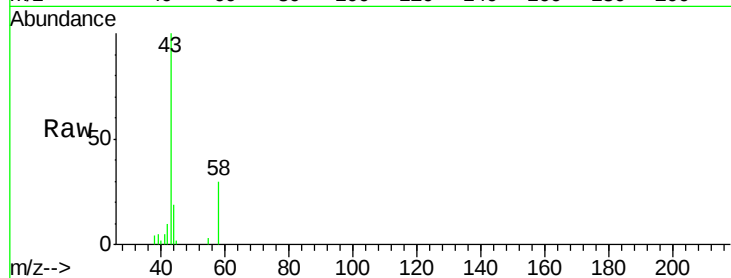
Z2TB05-180627

Tot Ion: 43 Resp: 9432

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6



#20

Methylene Chloride

Concen: 0.284 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Tgt Ion: 84 Resp: 795

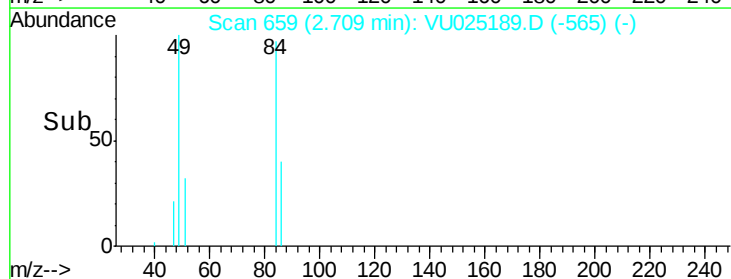
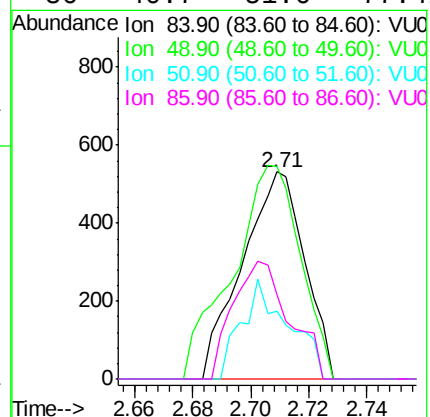
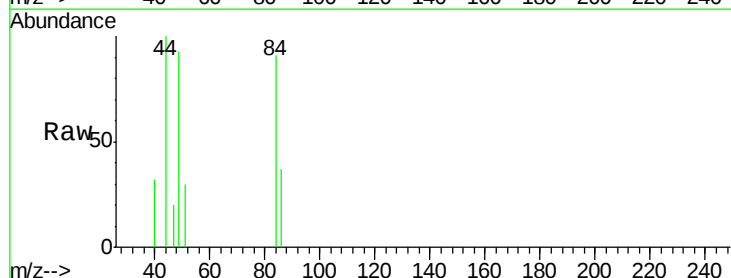
Ion Ratio Lower Upper

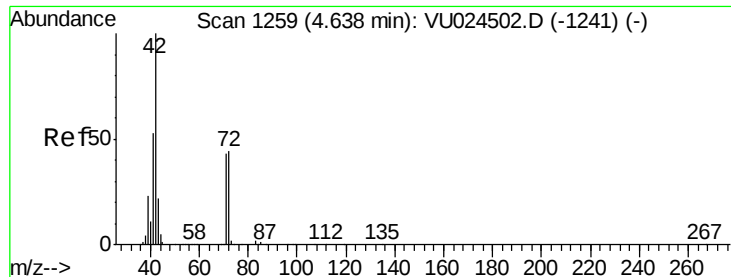
84 100

49 102.6 103.8 155.8#

51 33.1 32.0 48.0

86 40.7 51.6 77.4#





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 4.66 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

Z2TB05-180627

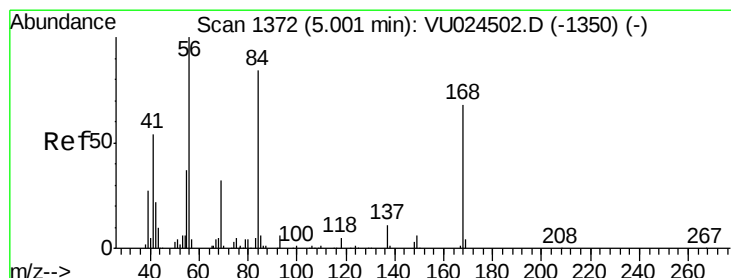
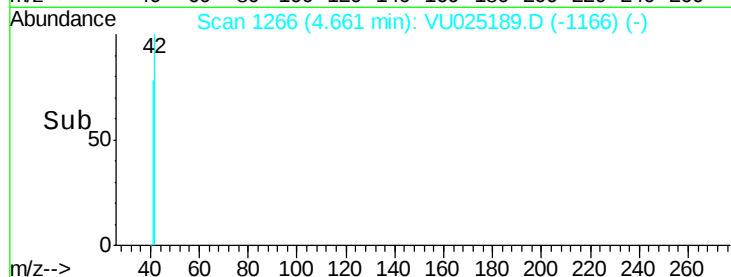
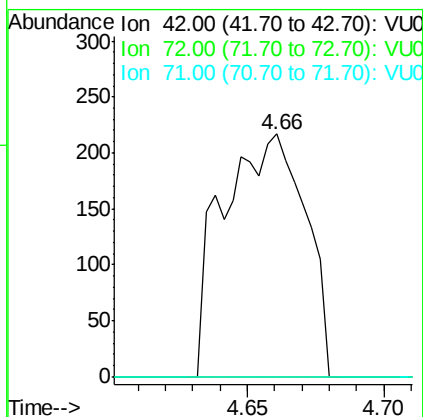
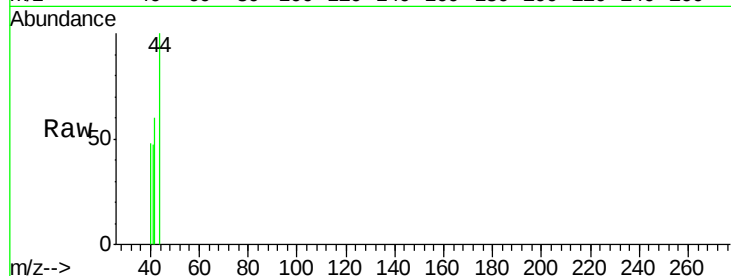
Tot Ion: 42 Resp: 456

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

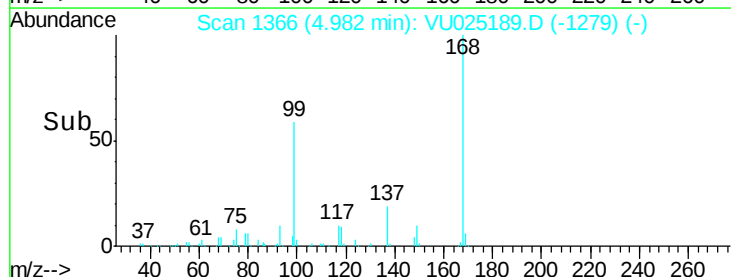
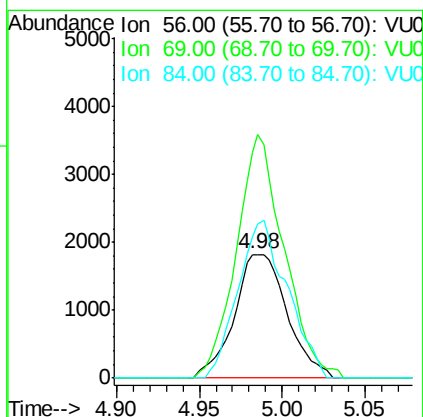
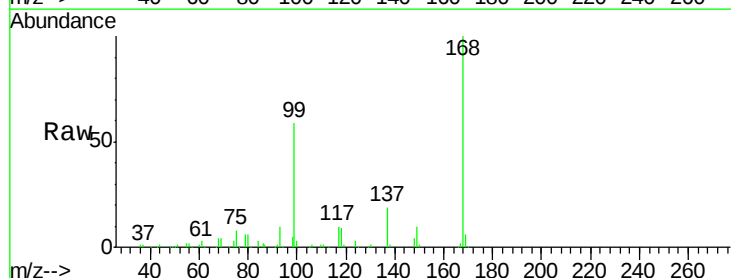
Tgt Ion: 56 Resp: 4033

Ion Ratio Lower Upper

56 100

69 183.2 24.8 37.2#

84 113.9 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 47.035 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

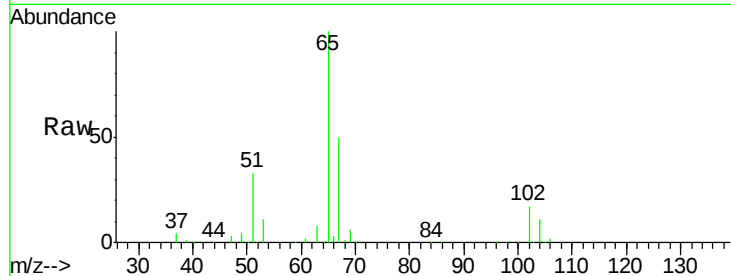
Z2TB05-180627

Tot Ion: 65 Resp: 155939

Ion Ratio Lower Upper

65 100

67 50.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D

Ion 66.90 (66.60 to 67.60): VU024502.D

5.31

80000

60000

40000

20000

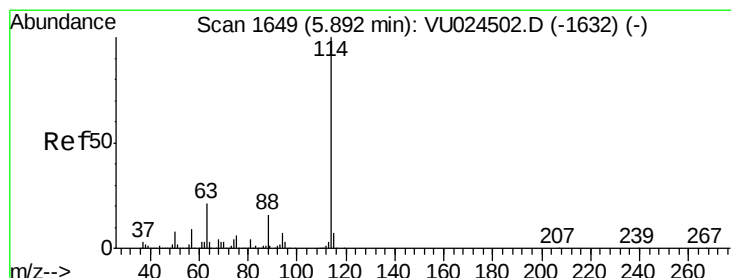
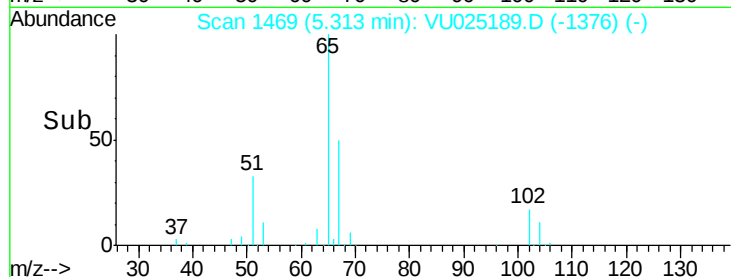
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

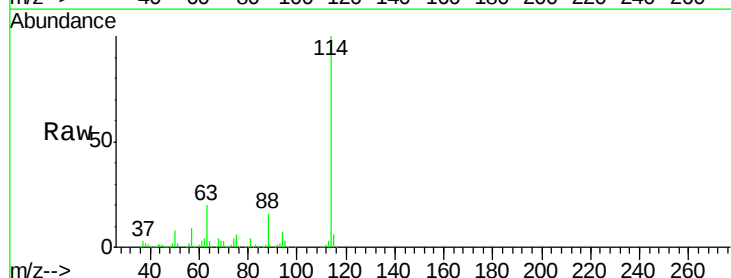
Tgt Ion: 114 Resp: 307126

Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.4

88 16.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024502.D

Ion 63.00 (62.70 to 63.70): VU024502.D

Ion 87.90 (87.60 to 88.60): VU024502.D

5.89

200000

150000

100000

50000

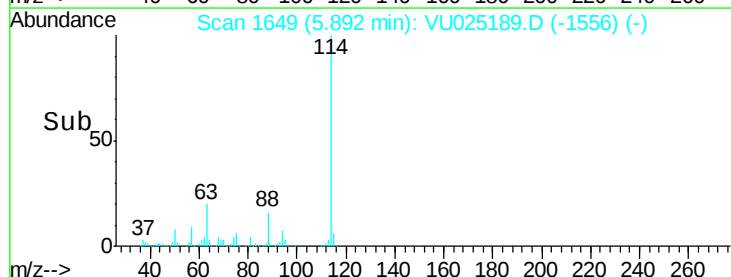
0

Time-->

5.80

5.90

6.00

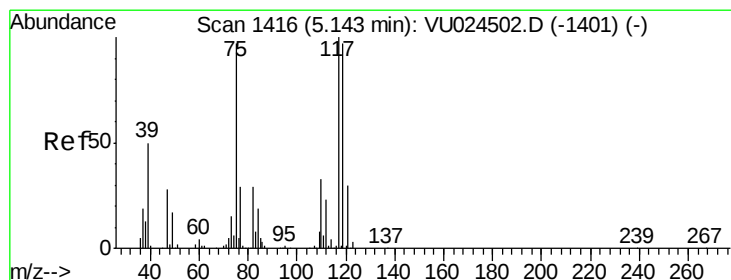
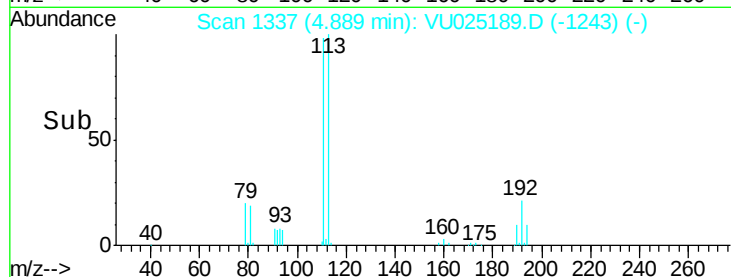
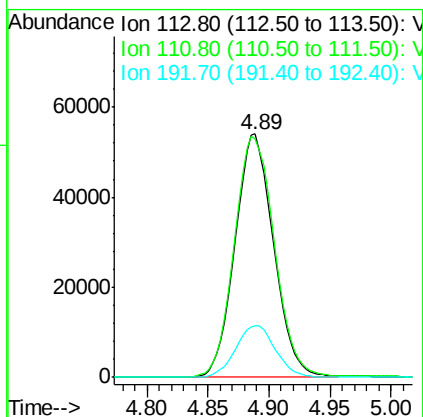
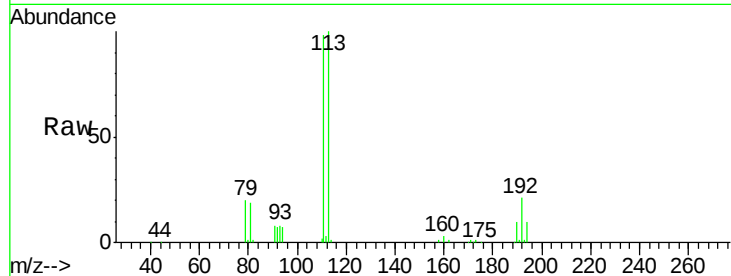




#35
 Dibromofluoromethane
 Concen: 46.506 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025189.D
 Acq: 03 Jul 2018 14:27

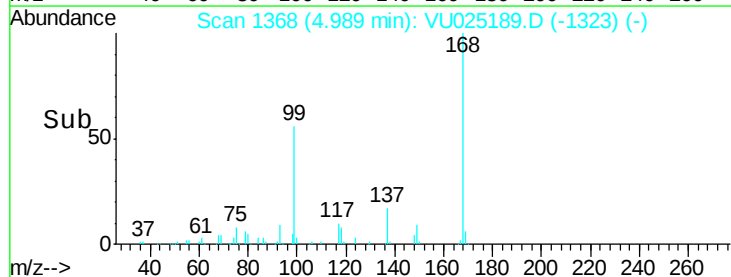
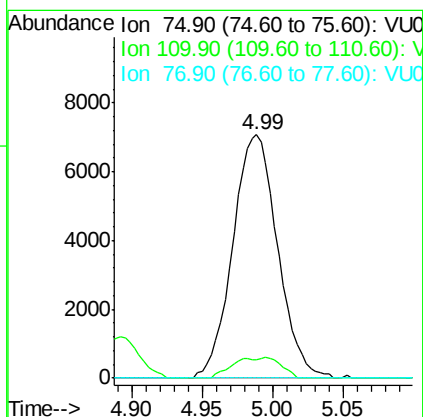
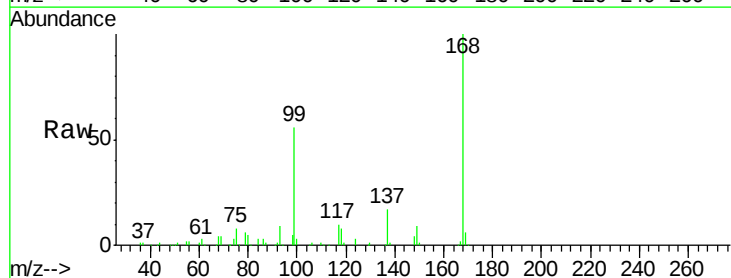
Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB05-180627

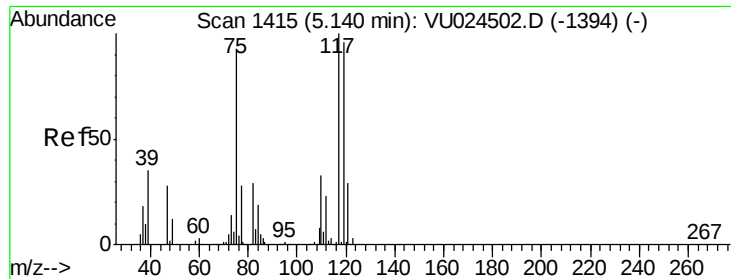
Tot Ion:113 Resp: 118540
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 21.8 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.362 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025189.D
 Acq: 03 Jul 2018 14:27

Tgt Ion: 75 Resp: 15742
 Ion Ratio Lower Upper
 75 100
 110 4.3 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.129 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

Z2TB05-180627

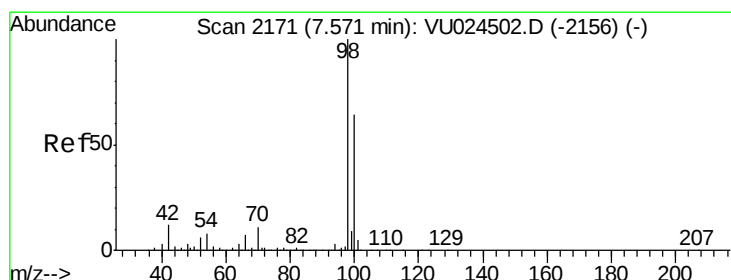
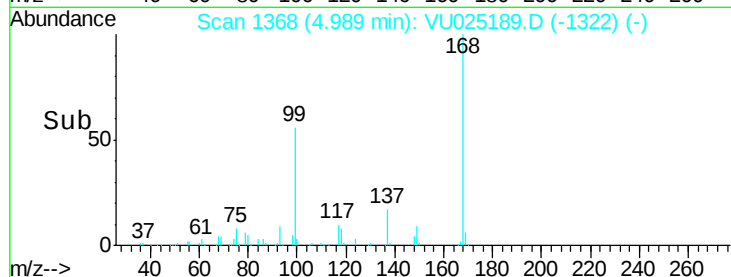
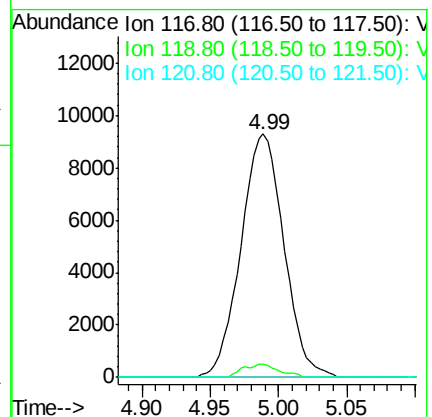
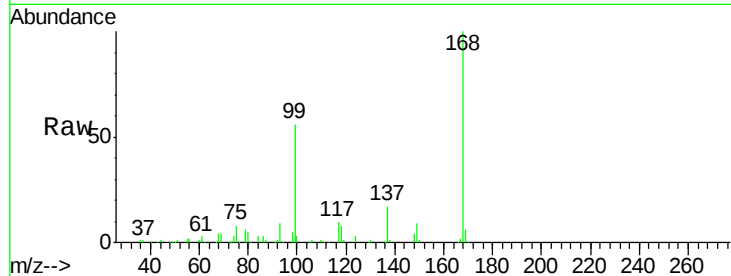
Tot Ion:117 Resp: 20355

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

121 0.0 23.7 35.5#



#50

Toluene-d8

Concen: 46.833 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025189.D

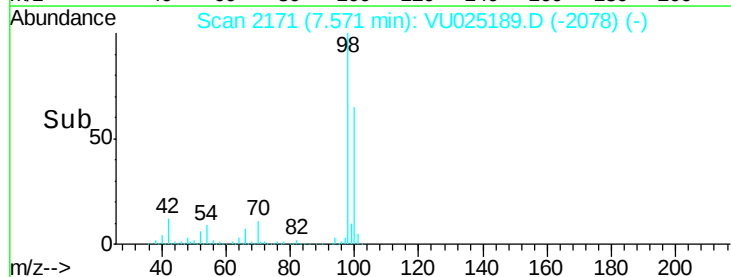
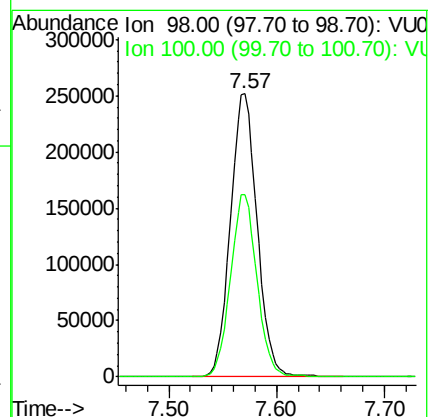
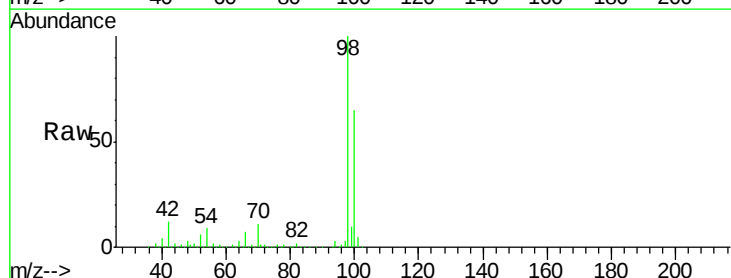
Acq: 03 Jul 2018 14:27

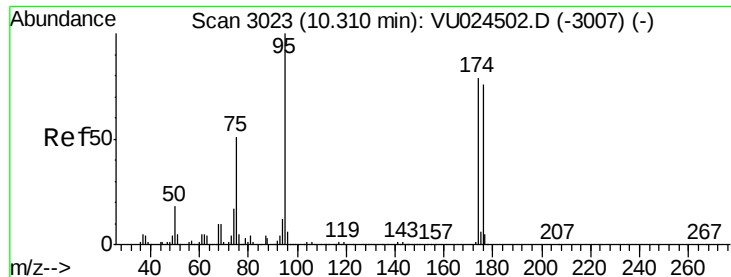
Tgt Ion: 98 Resp: 435428

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7

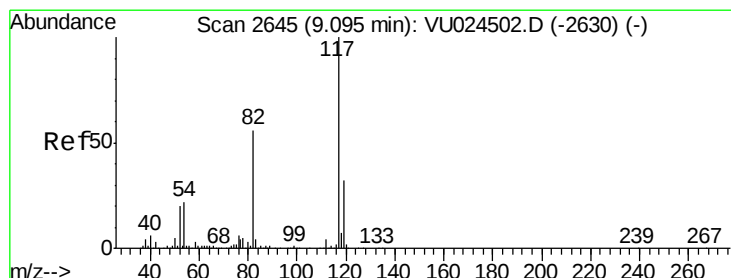
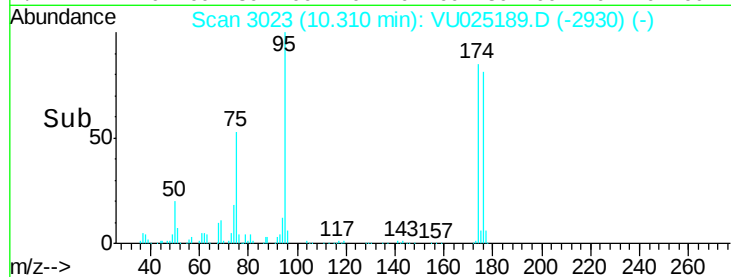
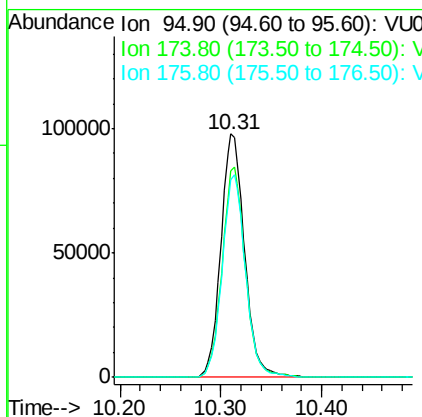
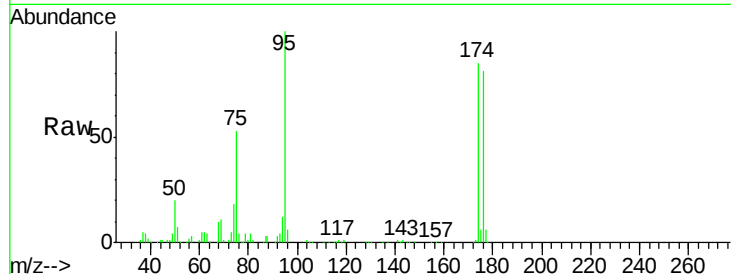




#62
 4-Bromofluorobenzene
 Concen: 43.435 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025189.D
 Acq: 03 Jul 2018 14:27

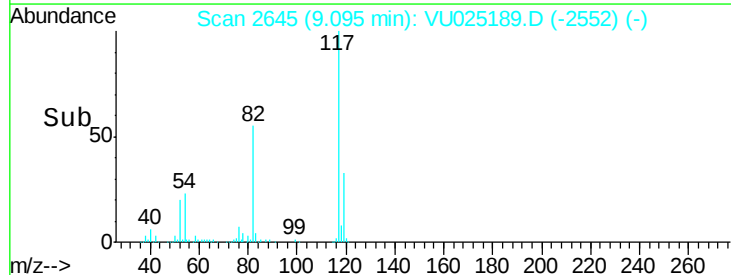
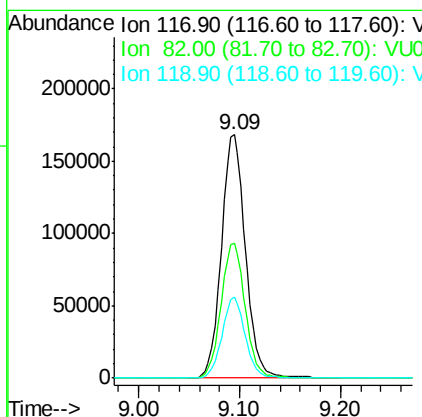
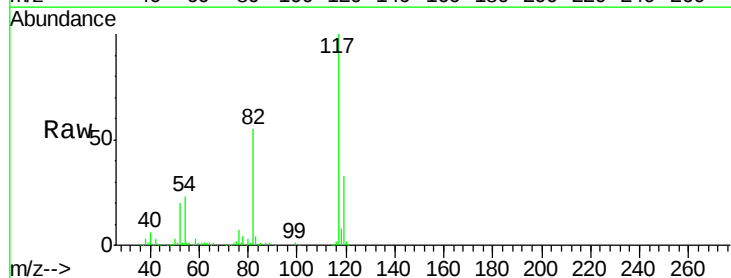
Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB05-180627

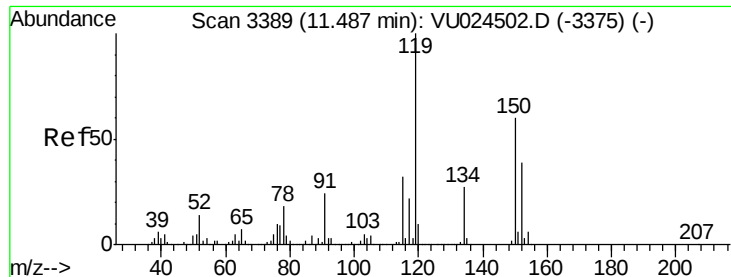
Tot Ion:	95	Resp:	160339
Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	165.8
176	82.3	0.0	159.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025189.D
 Acq: 03 Jul 2018 14:27

Tgt Ion:	117	Resp:	280627
Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	33.1	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: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

Z2TB05-180627

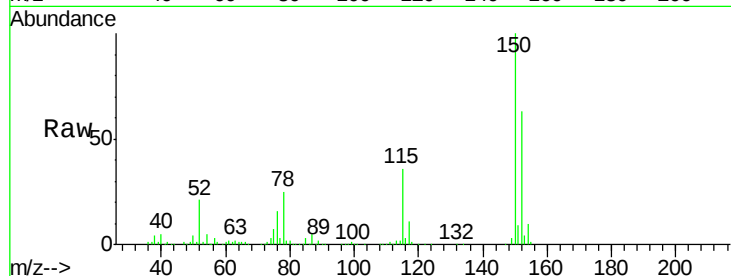
Tot Ion:152 Resp: 142760

Ion Ratio Lower Upper

152 100

115 58.1 43.0 129.0

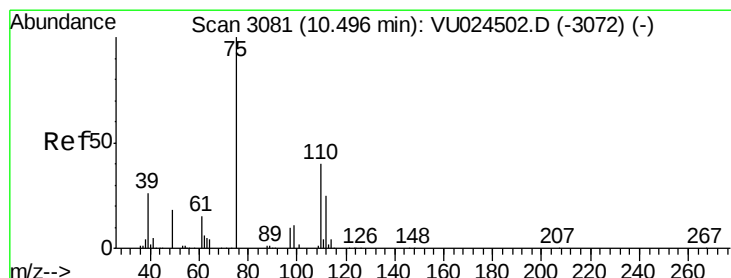
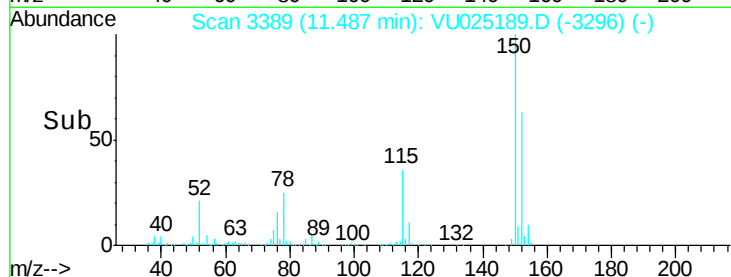
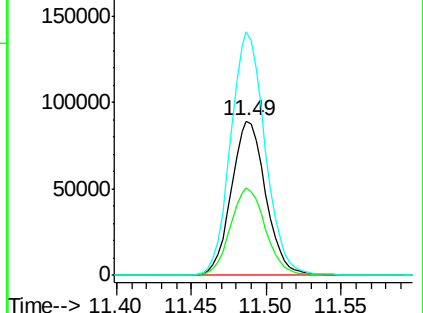
150 158.7 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.909 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025189.D

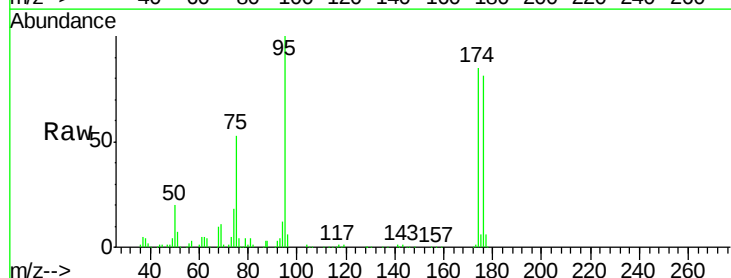
Acq: 03 Jul 2018 14:27

Tgt Ion: 75 Resp: 84577

Ion Ratio Lower Upper

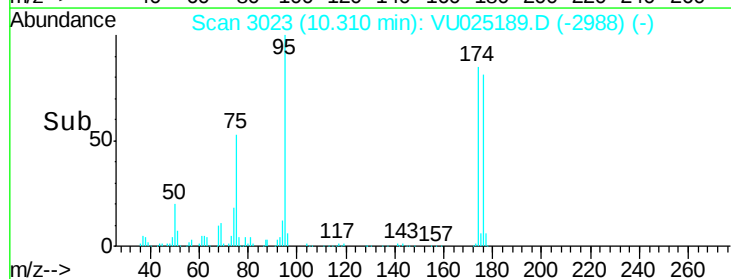
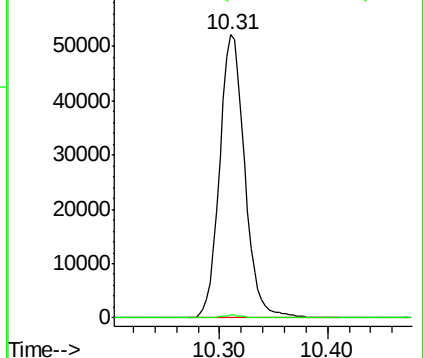
75 100

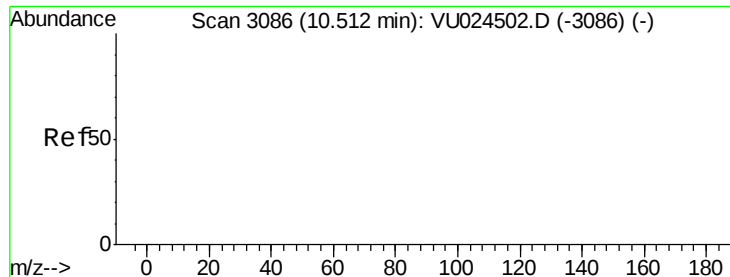
77 0.8 20.9 62.7#



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: 62.279 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

Z2TB05-180627

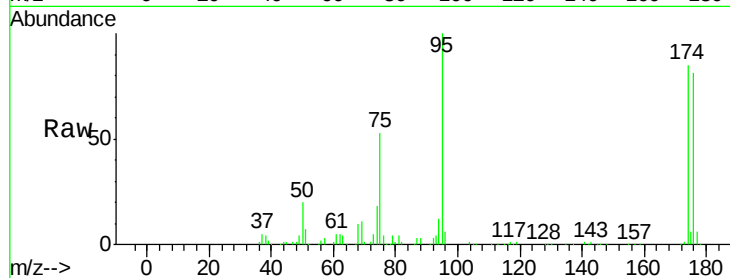
Tot Ion: 75 Resp: 84577

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

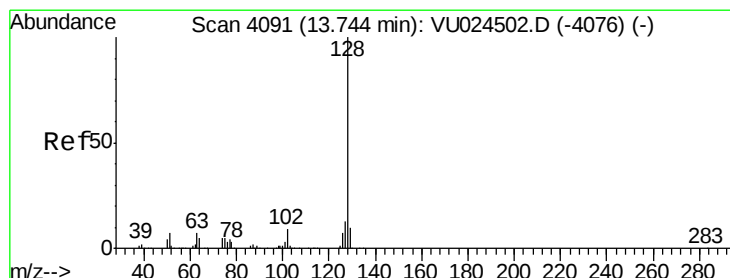
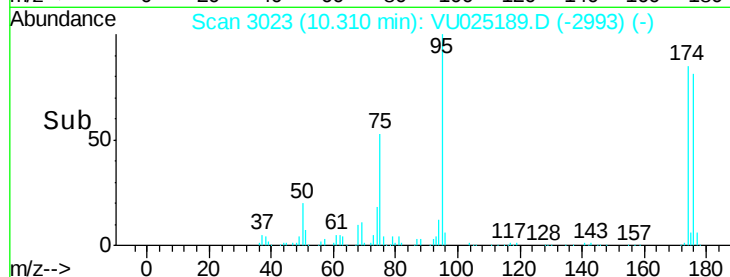
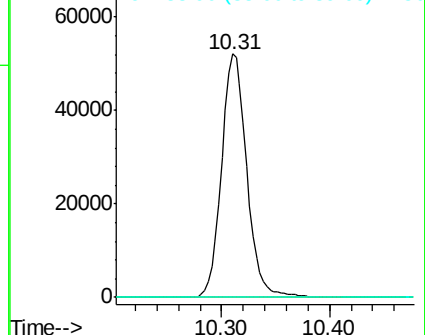
89 0.0 0.0 0.0



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: 0.710 ug/l

RT: 13.78 min Scan# 4102

Delta R.T. 0.04 min

Lab File: VU025189.D

Acq: 03 Jul 2018 14:27

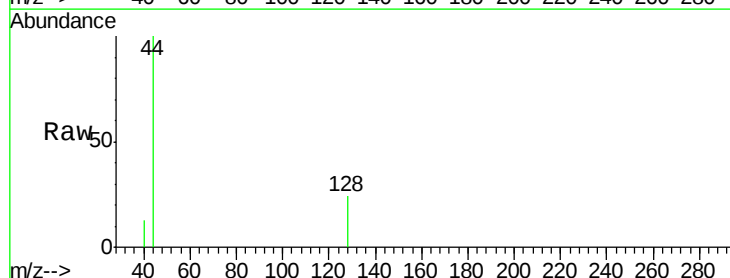
Tgt Ion: 128 Resp: 326

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) (-)

