

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070718\
 Data File : VU025256.D
 Acq On : 06 Jul 2018 21:43
 Operator : MD/SY
 Sample : J3842-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 23:33:00 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

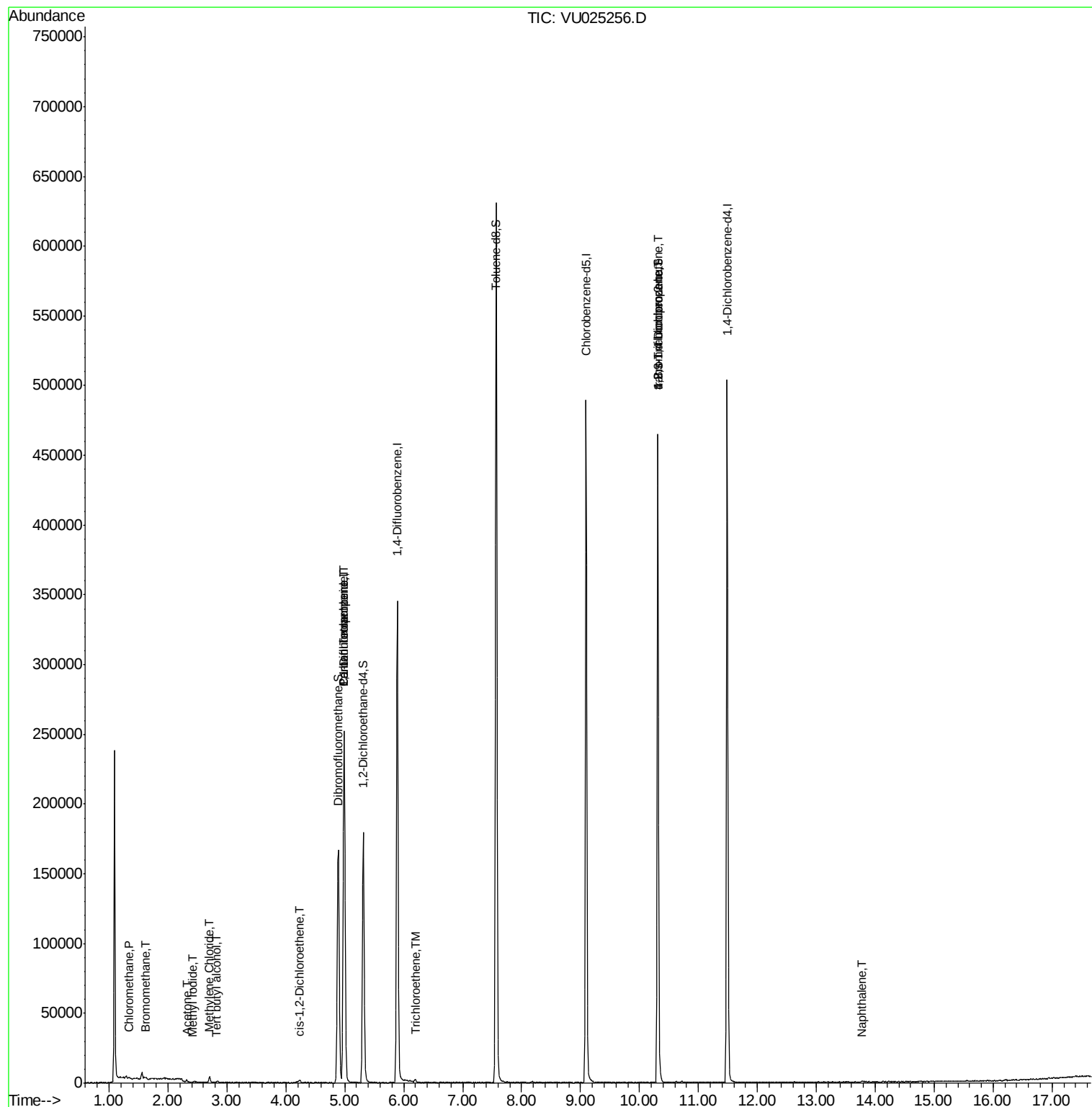
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290155	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	271759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	136352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147780	46.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.58%	
35) Dibromofluoromethane	4.89	113	113420	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
50) Toluene-d8	7.57	98	420071	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.31	95	153219	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	501	0.200	ug/l #	87
5) Bromomethane	1.64	94	309	0.248	ug/l	97
6) Chloroethane	1.69	64	53	Below Cal	#	43
10) Methyl Iodide	2.42	142	121	5.341	ug/l #	40
11) Tert butyl alcohol	2.83	59	758	0.976	ug/l #	72
16) Acetone	2.32	43	1673	0.975	ug/l	94
20) Methylene Chloride	2.71	84	1874	0.696	ug/l #	79
27) cis-1,2-Dichloroethene	4.23	96	951	0.337	ug/l	48
31) Cyclohexane	4.98	56	3520	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14750	4.326	ug/l #	52
38) Carbon Tetrachloride	4.99	117	18766	5.005	ug/l #	17
44) Trichloroethene	6.19	130	943	0.341	ug/l	61
76) 1,2,3-Trichloropropane	10.31	75	80358	26.768	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	80358	61.953	ug/l #	100
95) Naphthalene	13.76	128	697	0.748	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: VU025256.D

Acq: 06 Jul 2018 21:43

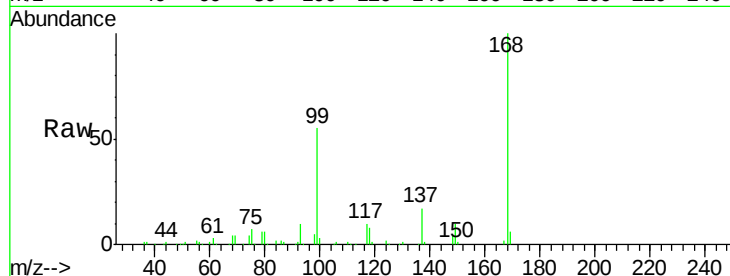
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 195567

Ion Ratio Lower Upper

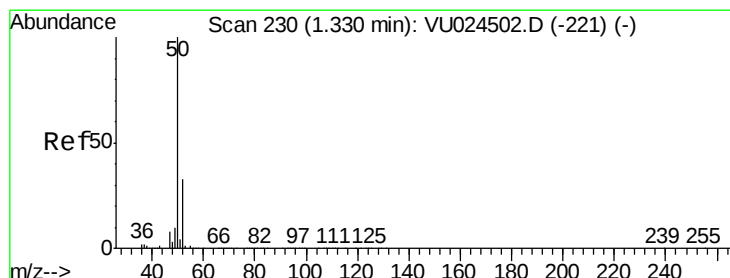
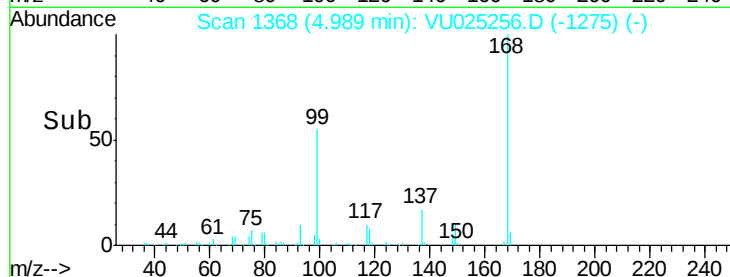
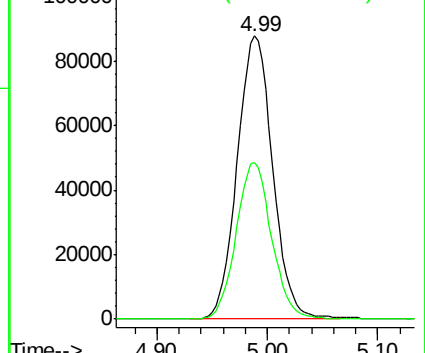
168 100

99 55.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025256.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025256.D (-1275) (-)



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025256.D

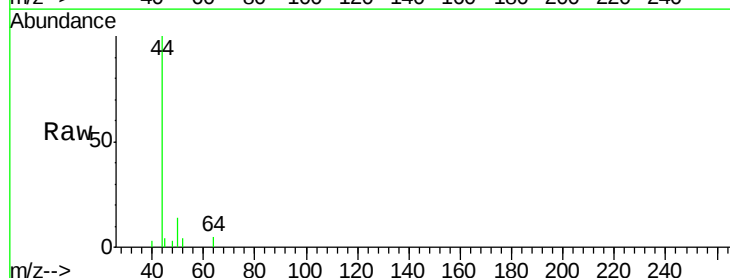
Acq: 06 Jul 2018 21:43

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

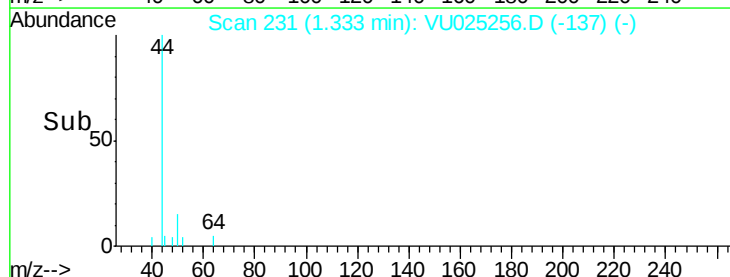
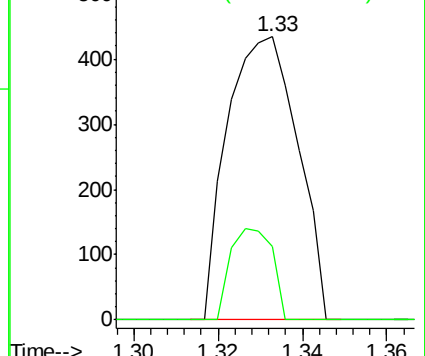
50 100

52 25.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025256.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025256.D (-137) (-)





#5

Bromomethane

Concen: 0.248 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

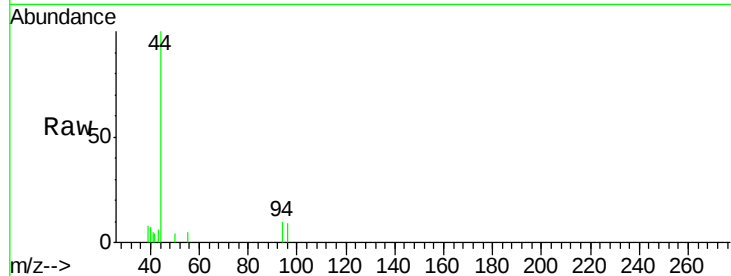
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 309

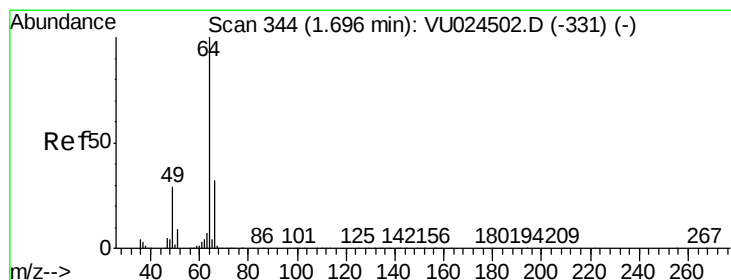
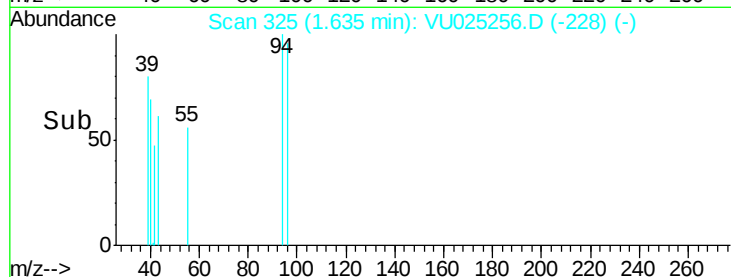
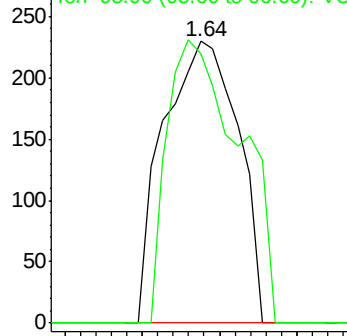
Ion Ratio Lower Upper

94 100

96 95.7 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# 343

Delta R.T. -0.00 min

Lab File: VU025256.D

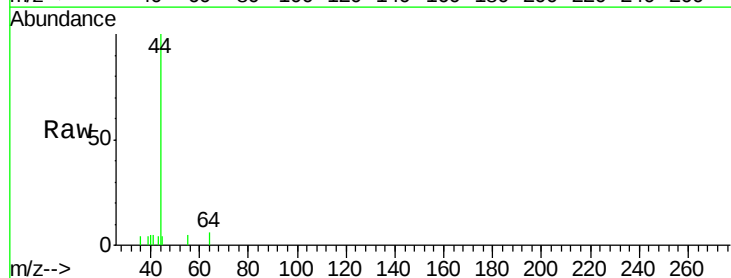
Acq: 06 Jul 2018 21:43

Tgt Ion: 64 Resp: 53

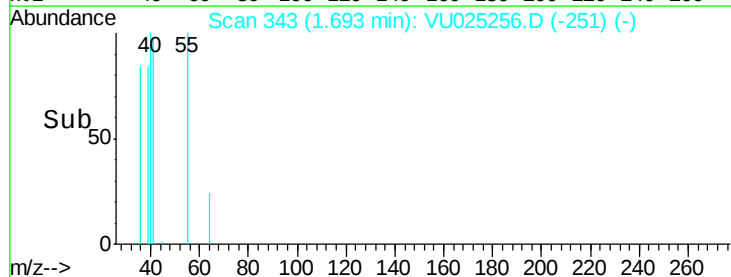
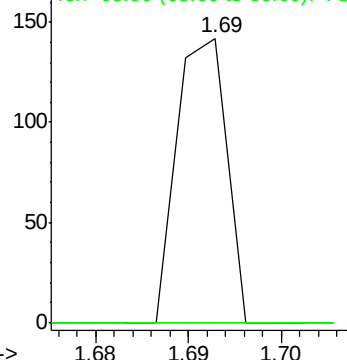
Ion Ratio Lower Upper

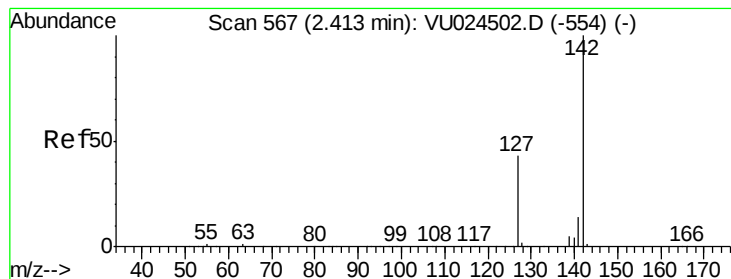
64 100

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: 5.341 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

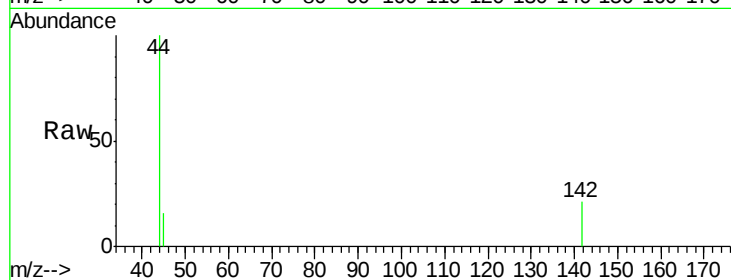
Tot Ion:142 Resp: 121

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

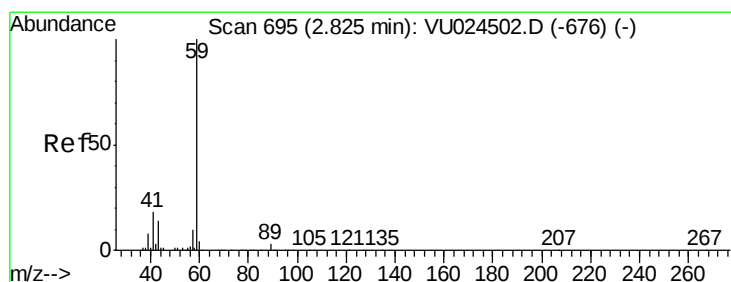
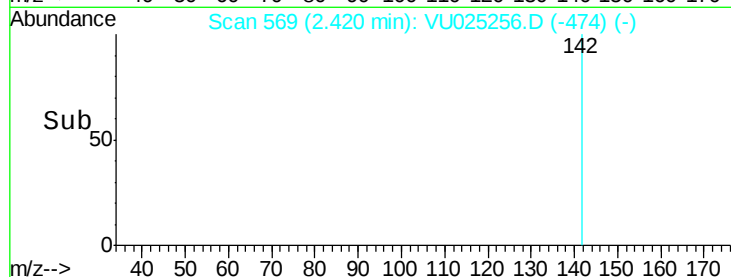
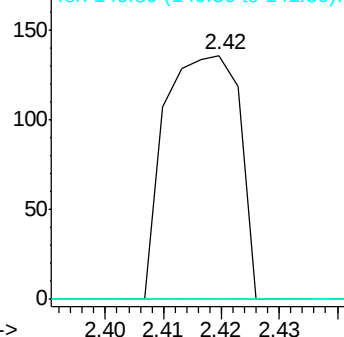
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.976 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VU025256.D

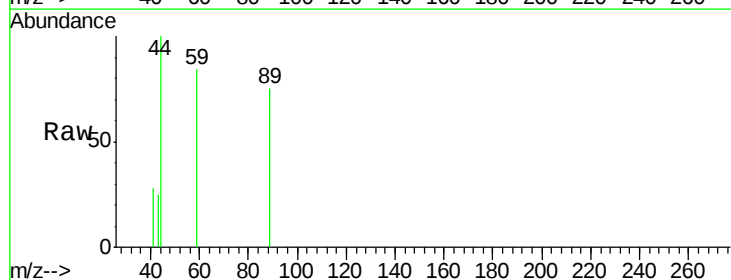
Acq: 06 Jul 2018 21:43

Tgt Ion: 59 Resp: 758

Ion Ratio Lower Upper

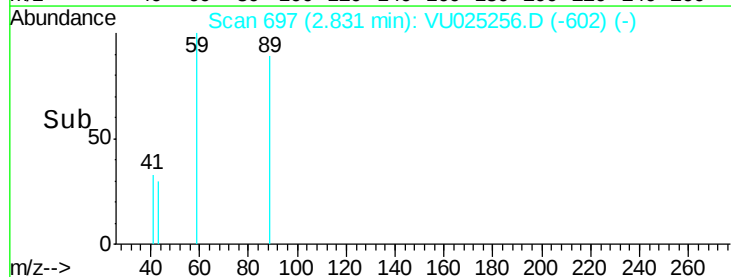
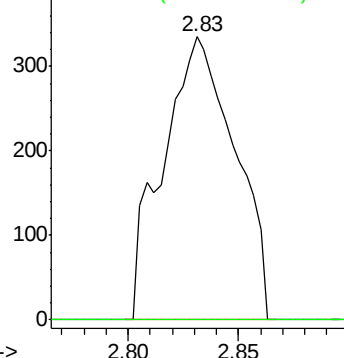
59 100

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: 0.975 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

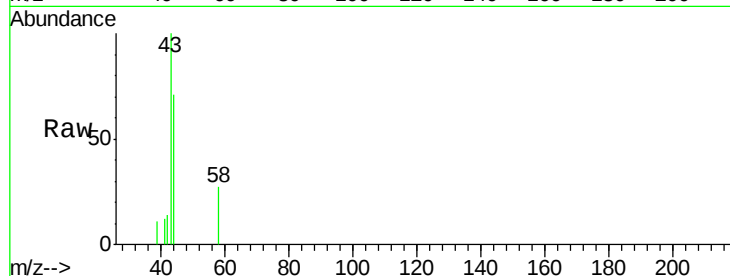
ClientSampleId :

Tot Ion: 43 Resp: 1673

Ion Ratio Lower Upper

43 100

58 27.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

1200

1000

800

600

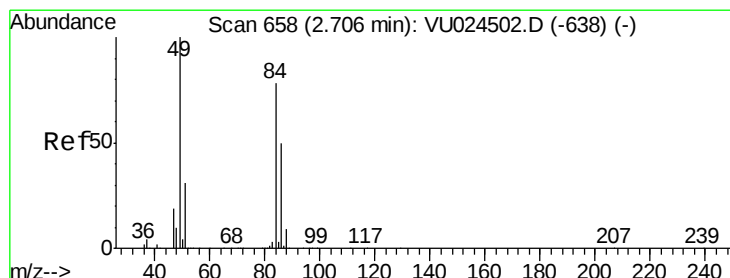
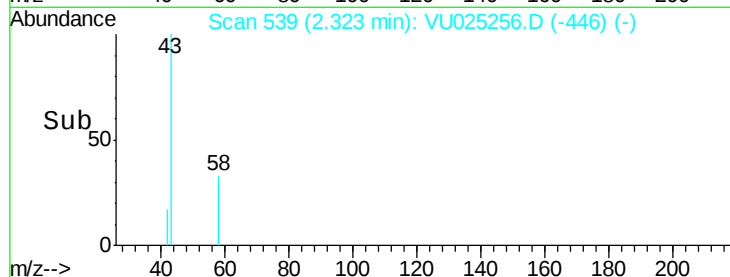
400

200

0

Time-->

2.30 2.35



#20

Methylene Chloride

Concen: 0.696 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Tgt Ion: 84 Resp: 1874

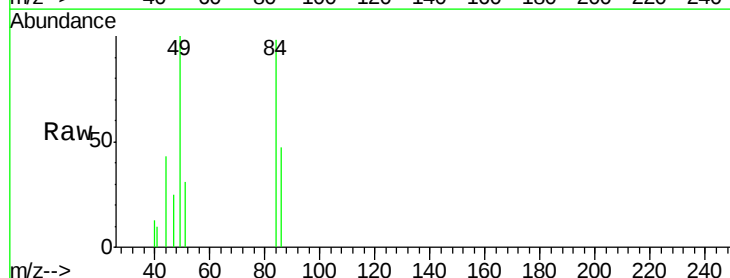
Ion Ratio Lower Upper

84 100

49 101.9 103.8 155.8#

51 32.0 32.0 48.0#

86 47.4 51.6 77.4#



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

Ion 48.90 (48.60 to 49.60): VU024502.D (-638) (-)

Ion 50.90 (50.60 to 51.60): VU024502.D (-638) (-)

Ion 85.90 (85.60 to 86.60): VU024502.D (-638) (-)

2000

1500

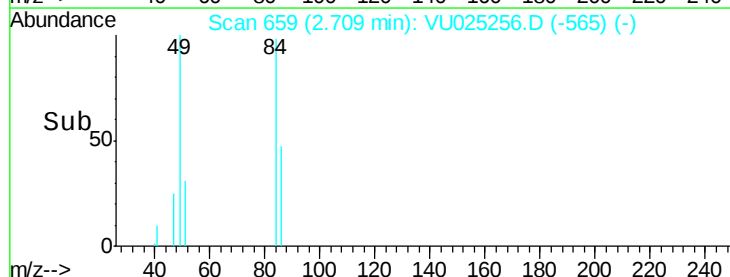
1000

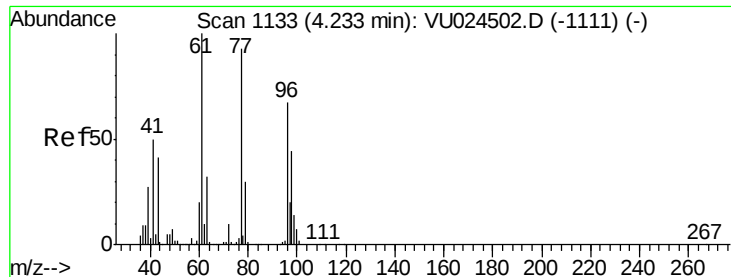
500

0

Time-->

2.65 2.70 2.75





#27

cis-1,2-Dichloroethene

Concen: 0.337 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :

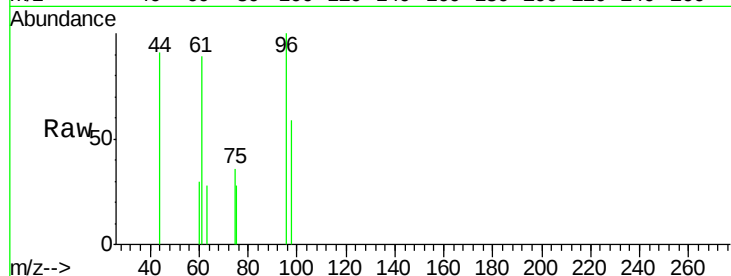
Tot Ion: 96 Resp: 951

Ion Ratio Lower Upper

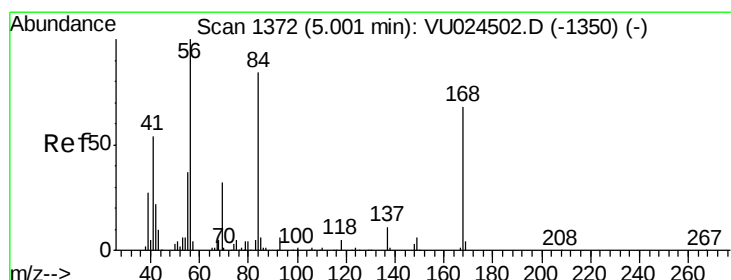
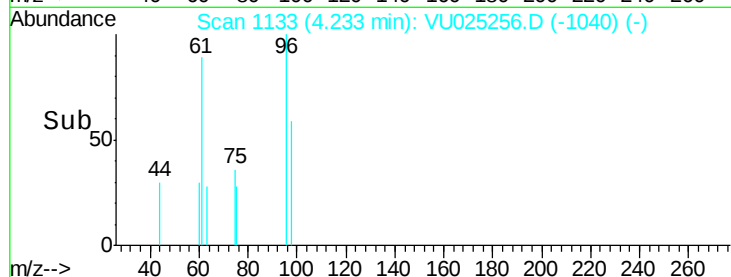
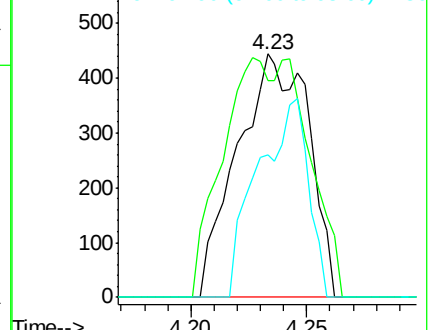
96 100

61 63.6 0.0 306.6

98 57.4 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: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

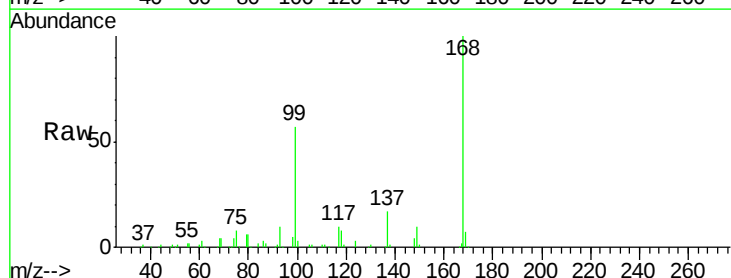
Tgt Ion: 56 Resp: 3520

Ion Ratio Lower Upper

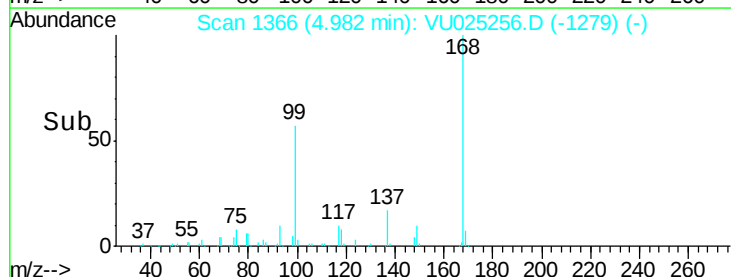
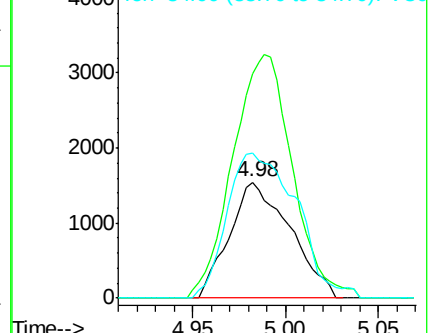
56 100

69 185.3 24.8 37.2#

84 125.4 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

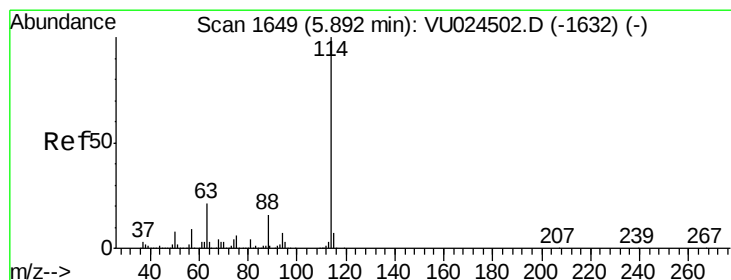
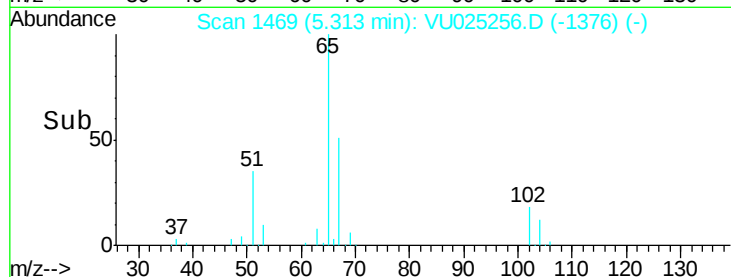
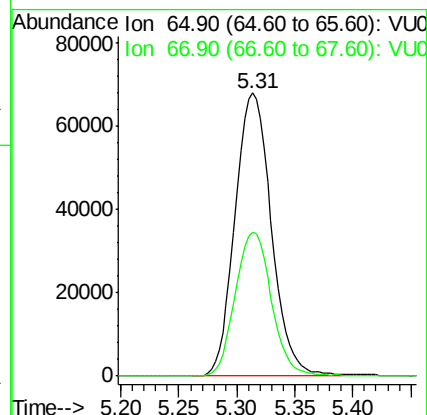
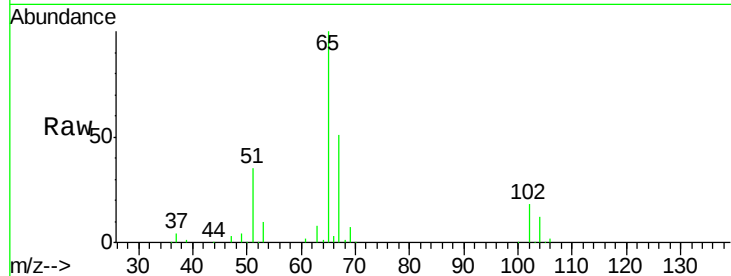




#33
 1,2-Dichloroethane-d4
 Concen: 46.287 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

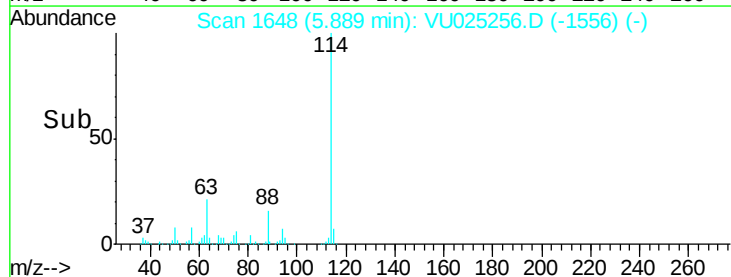
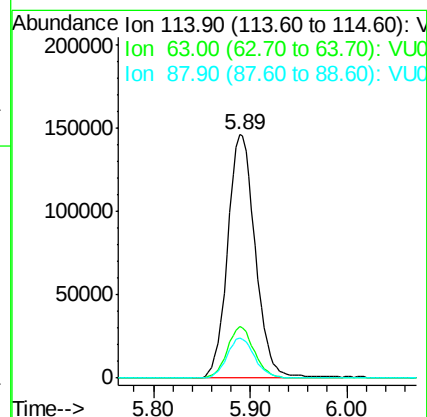
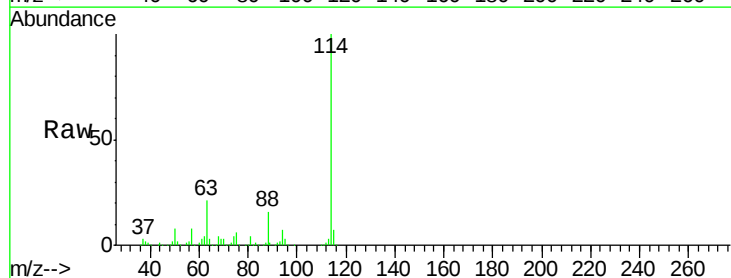
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 147780
 Ion Ratio Lower Upper
 65 100
 67 50.9 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: VU025256.D
 Acq: 06 Jul 2018 21:43

Tgt Ion: 114 Resp: 290155
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.3 0.0 31.0

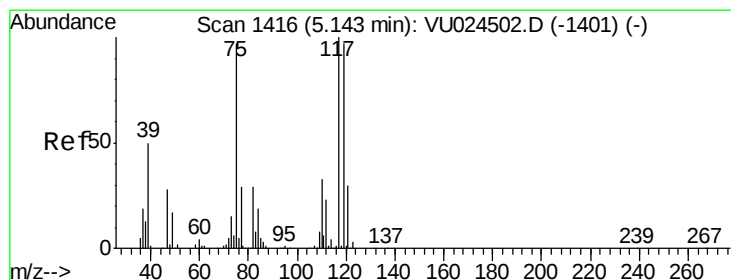
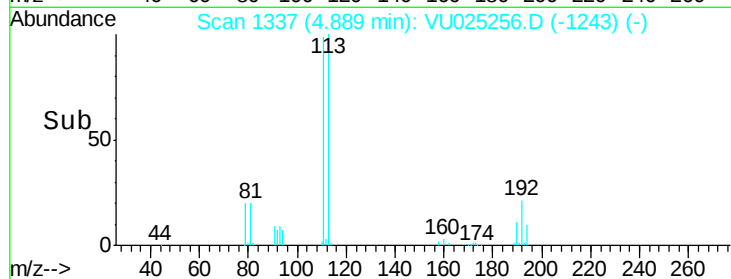
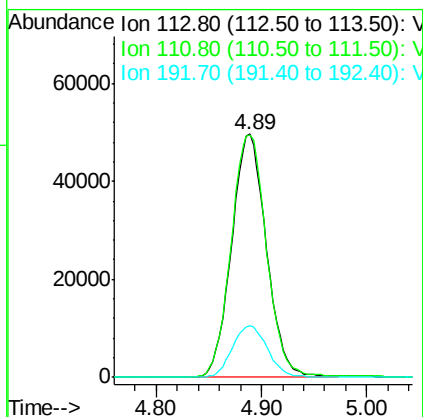
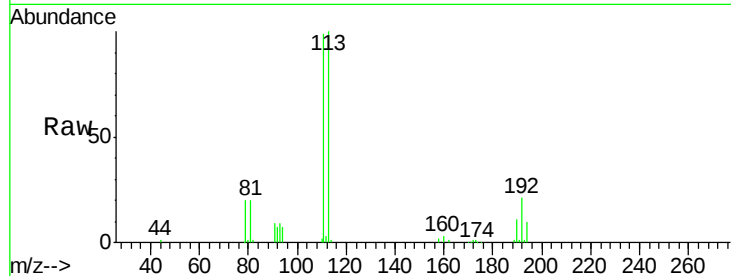




#35
 Dibromofluoromethane
 Concen: 47.100 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

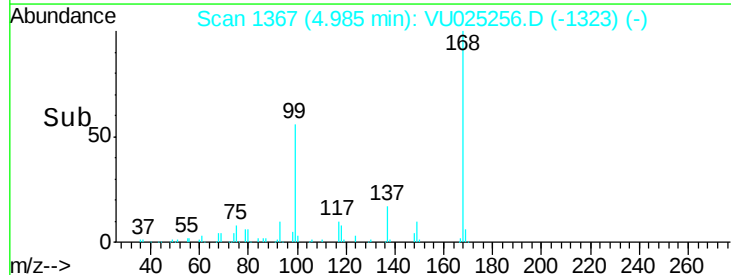
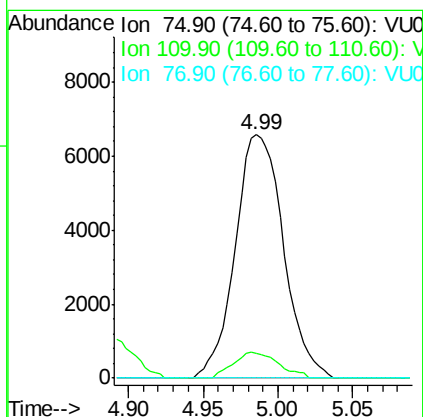
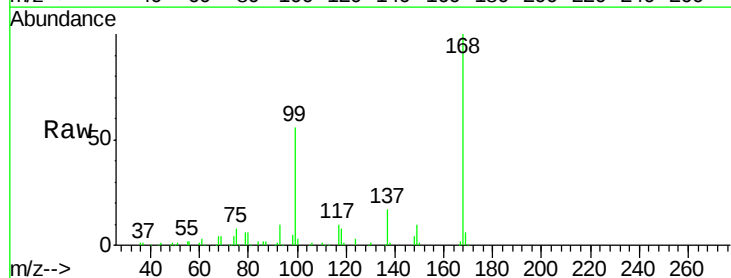
Instrument :
 MSVOA_U
 ClientSampleId :

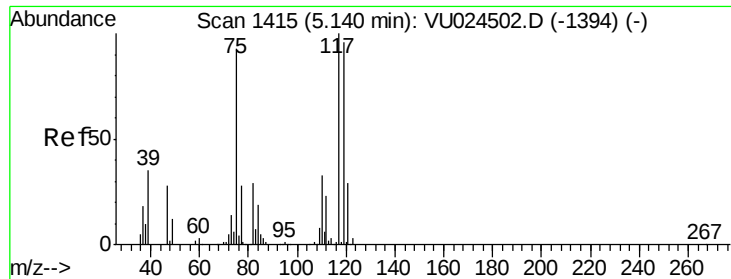
Tot Ion:113 Resp: 113420
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 21.5 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

Tgt Ion: 75 Resp: 14750
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.0 50.9#
 77 0.0 24.2 36.4#

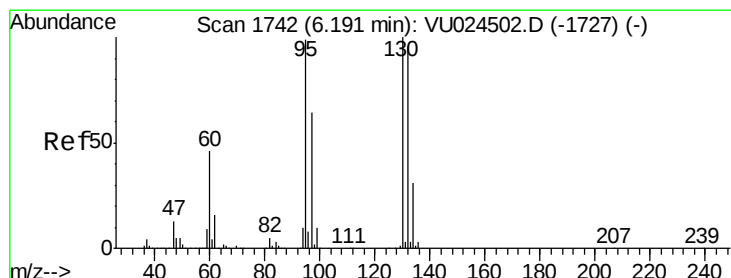
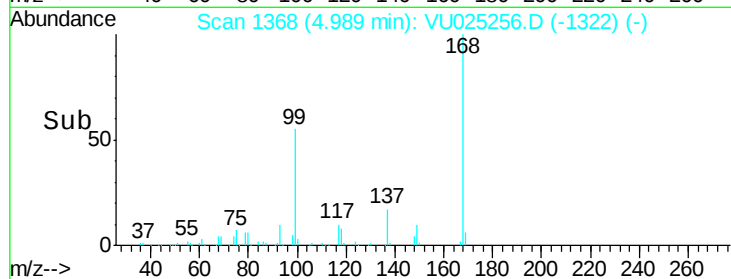
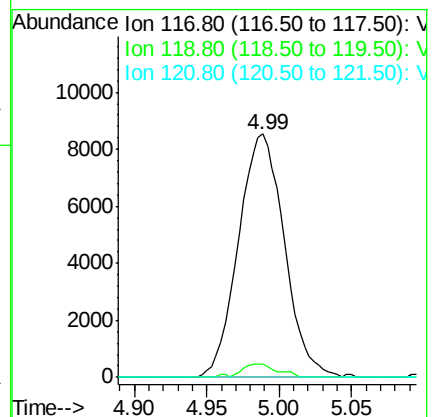
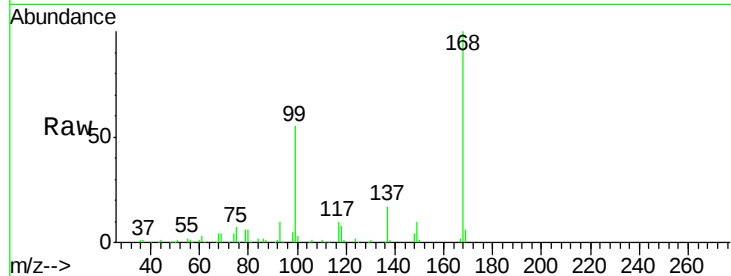




#38
Carbon Tetrachloride
Concen: 5.005 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

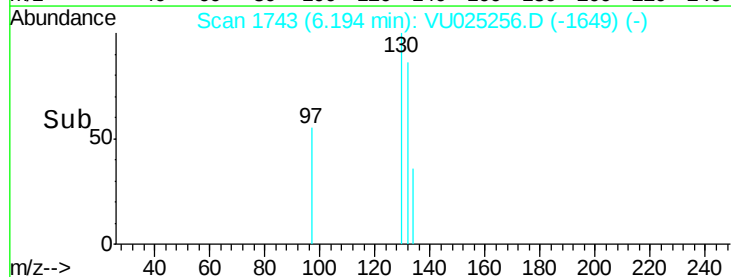
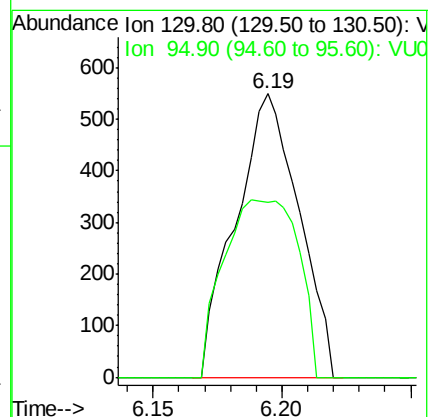
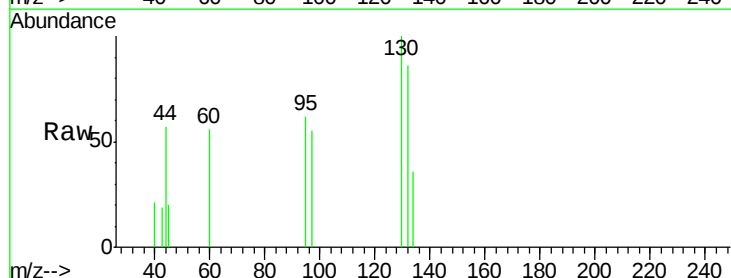
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 18766
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 0.341 ug/l
RT: 6.19 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

Tgt Ion:130 Resp: 943
Ion Ratio Lower Upper
130 100
95 61.9 0.0 202.4

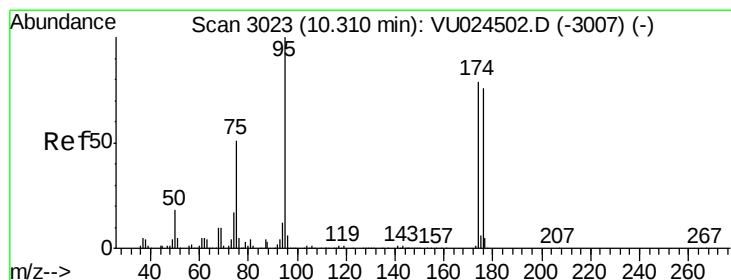
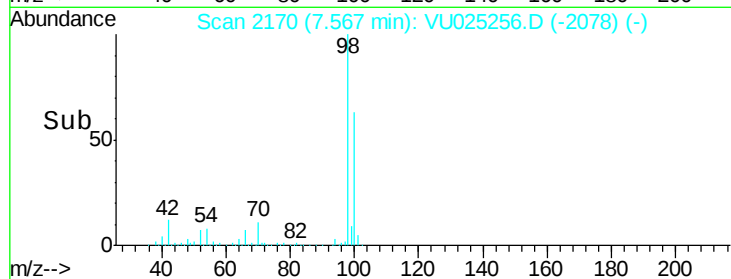
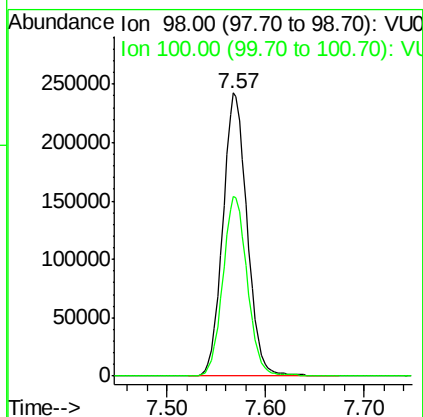
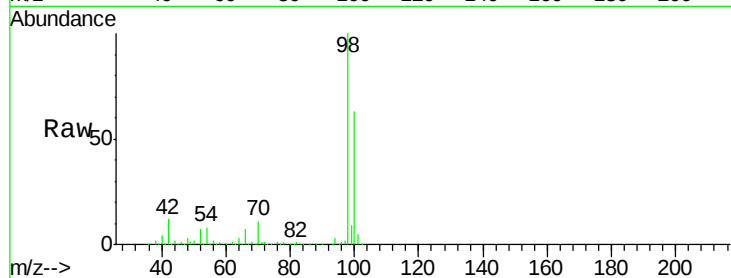




#50
Toluene-d8
Concen: 47.824 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

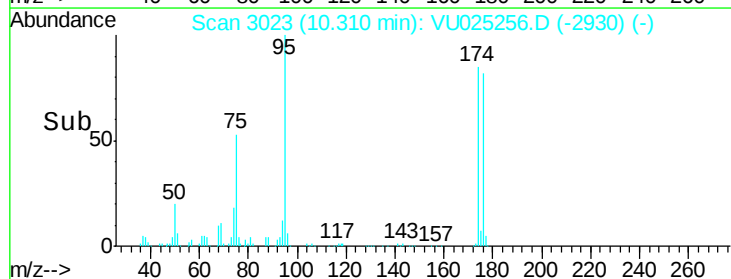
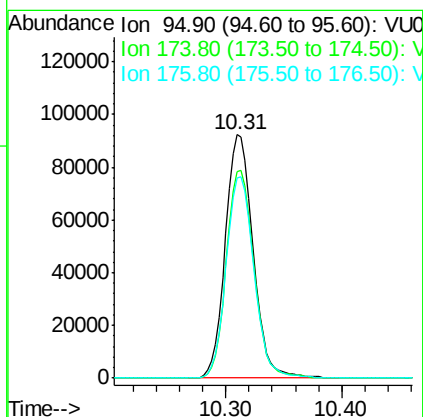
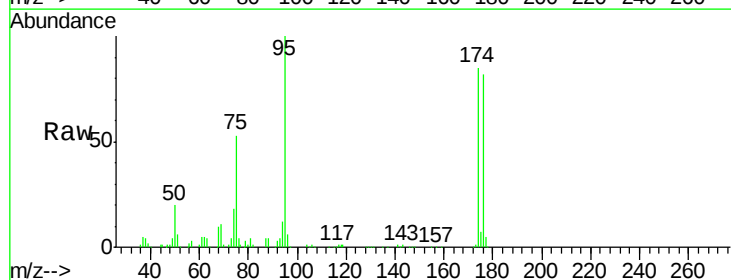
Instrument :
MSVOA_U
ClientSampleId :

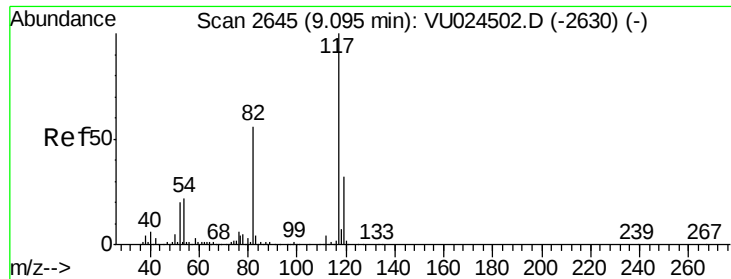
Tot Ion: 98 Resp: 420071
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.934 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

Tgt Ion: 95 Resp: 153219
Ion Ratio Lower Upper
95 100
174 85.2 0.0 165.8
176 83.1 0.0 159.4

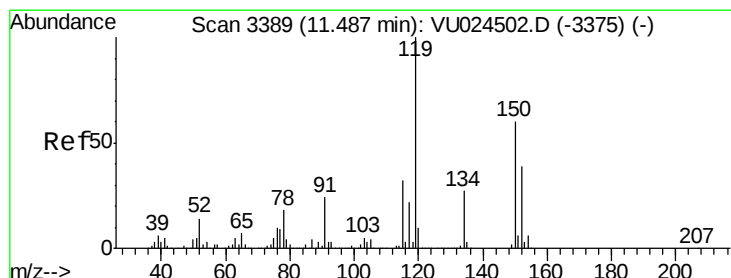
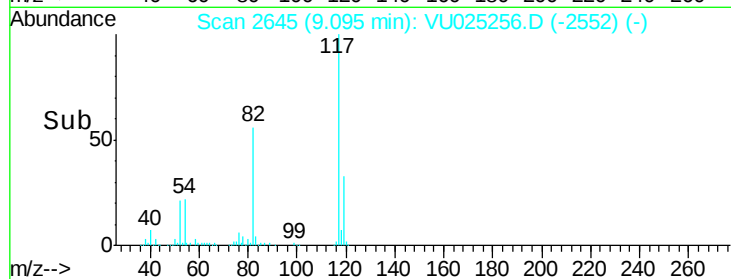
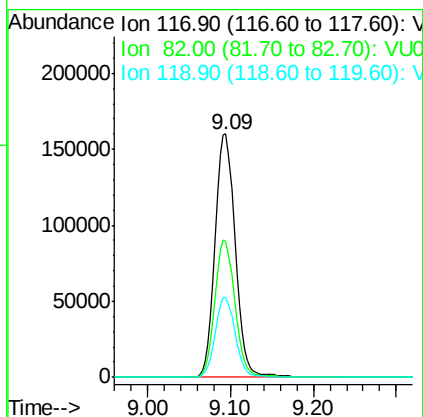
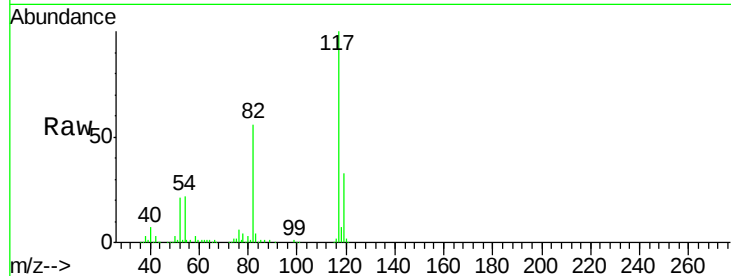




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

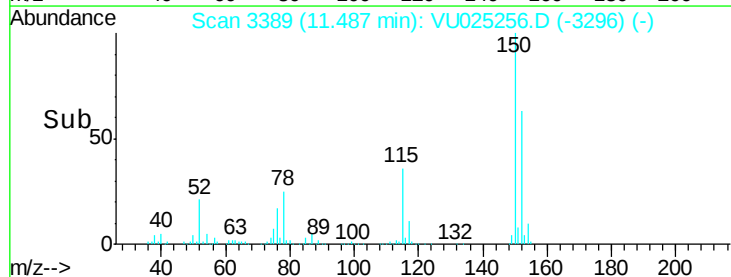
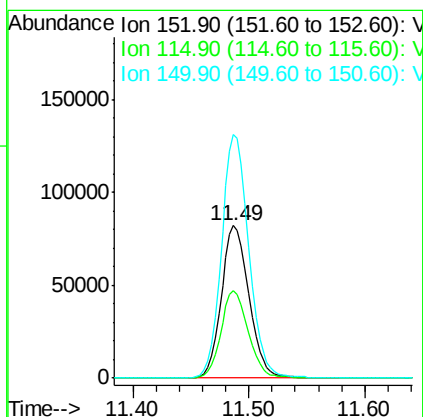
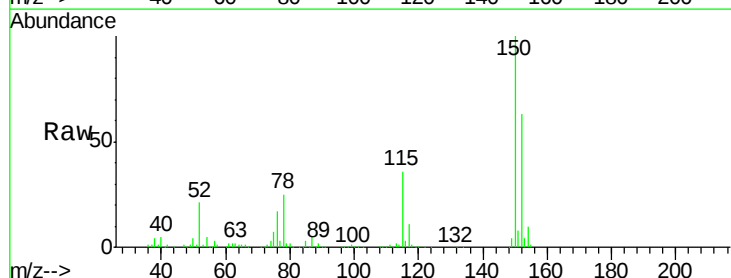
Instrument :
MSVOA_U
ClientSampled :

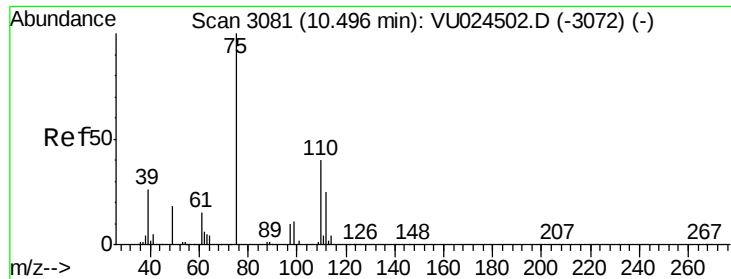
Tot Ion:117 Resp: 271759
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

Tgt Ion:152 Resp: 136352
Ion Ratio Lower Upper
152 100
115 56.9 43.0 129.0
150 157.4 0.0 354.0

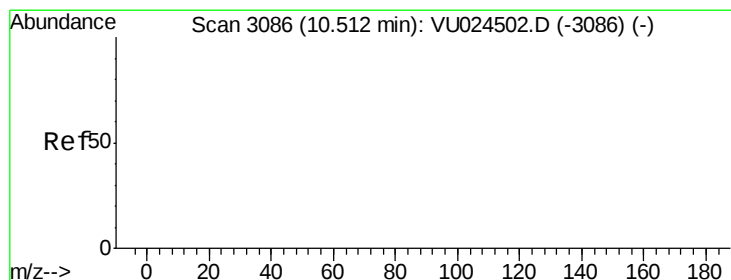
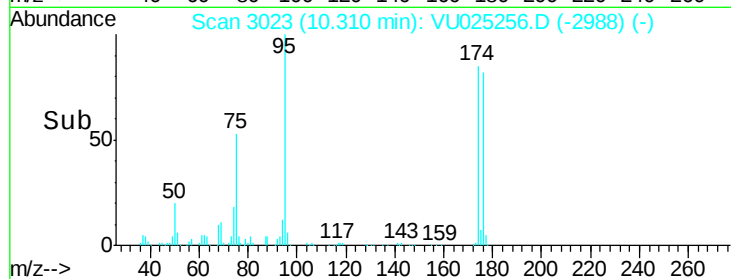
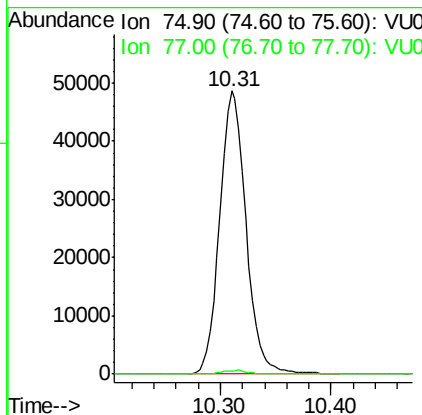
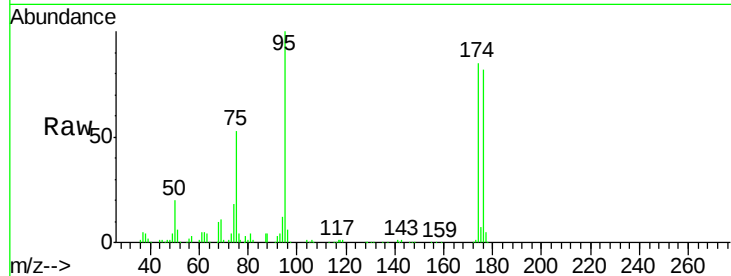




#76
 1,2,3-Trichloropropane
 Concen: 26.768 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

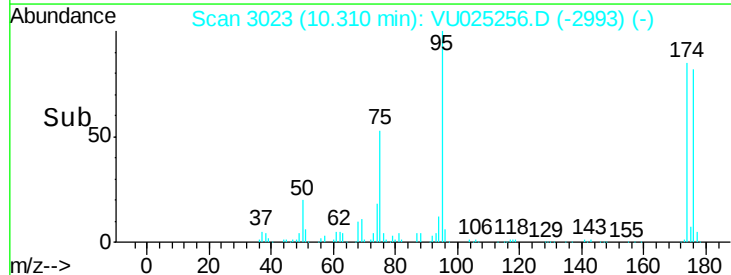
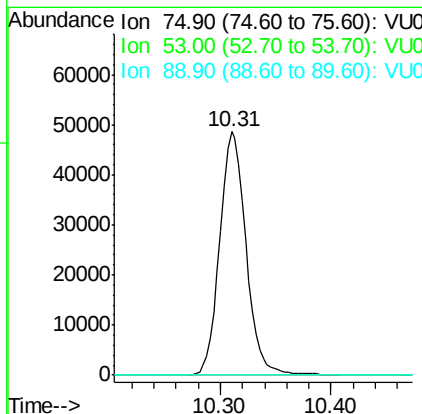
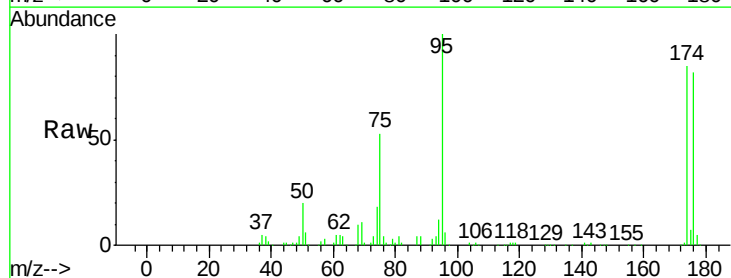
Instrument :
 MSVOA_U
 ClientSampled :

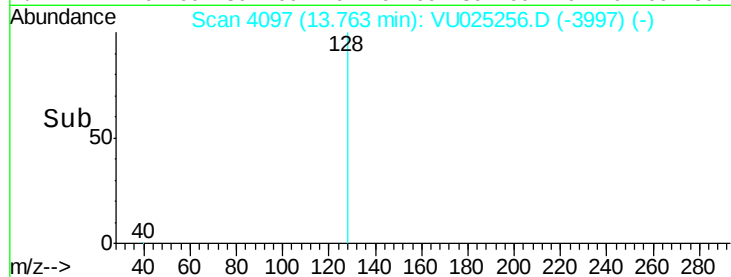
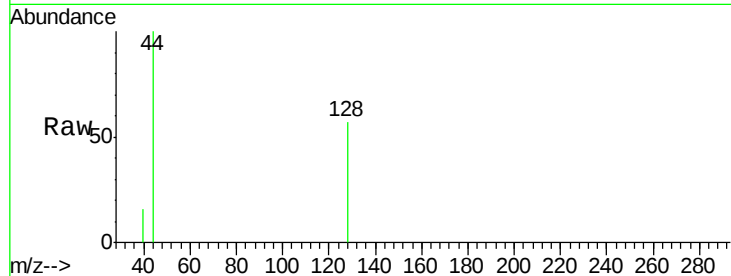
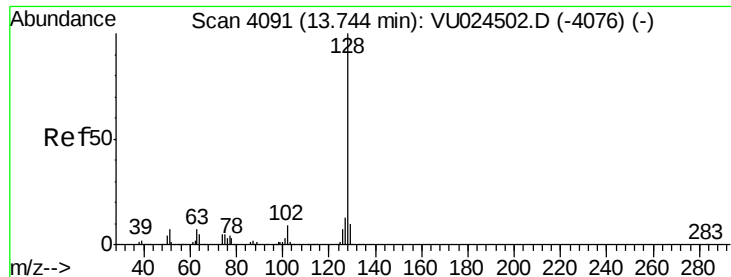
Tot Ion: 75 Resp: 80358
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.953 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

Tgt Ion: 75 Resp: 80358
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.748 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 697

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

