

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025257.D
 Acq On : 06 Jul 2018 22:07
 Operator : MD/SY
 Sample : J3842-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 23:33:08 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

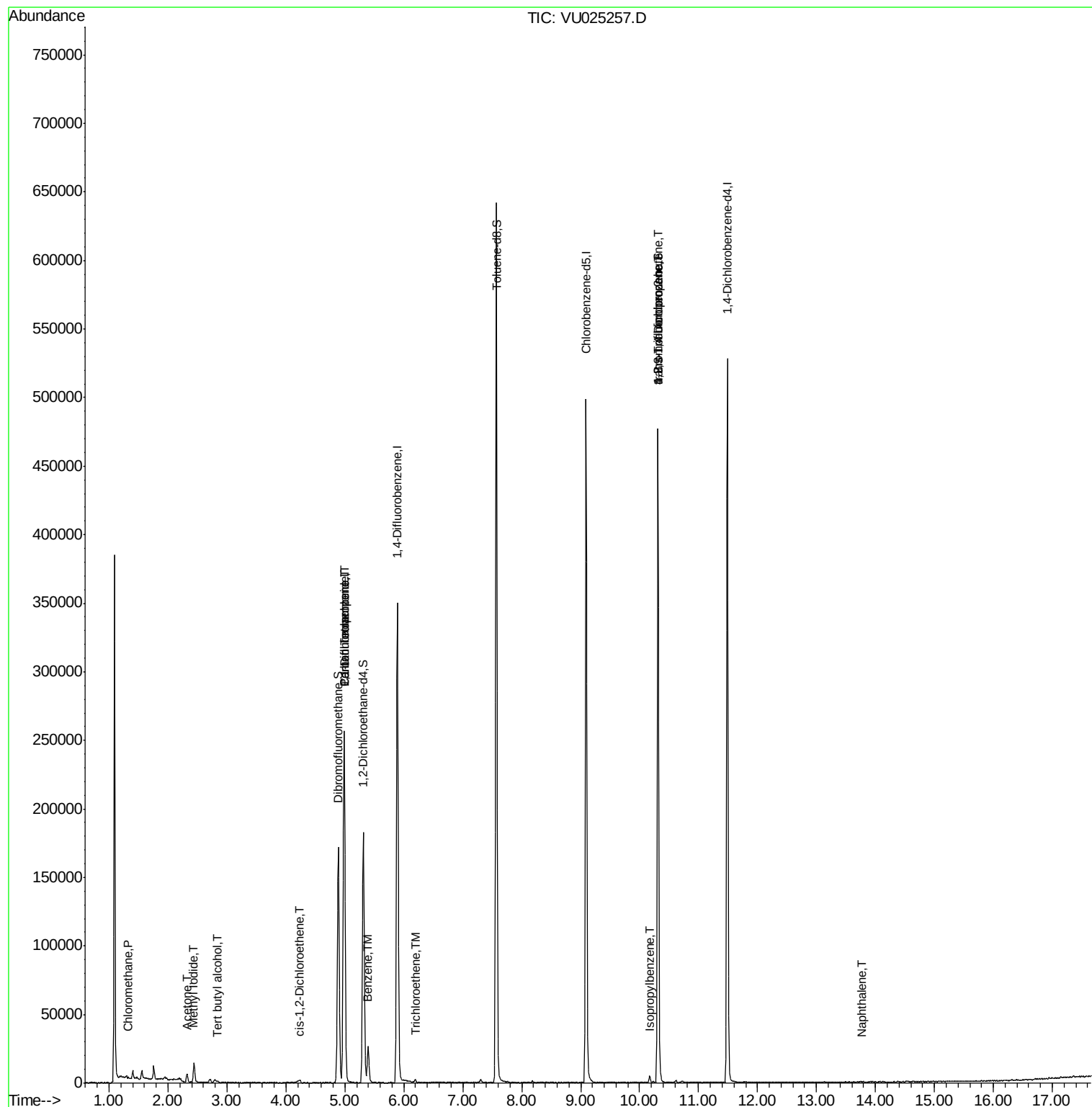
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297173	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142063	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	149166	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	4.89	113	115976	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
50) Toluene-d8	7.57	98	425546	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	10.31	95	154248	43.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	983	0.389	ug/l	95
6) Chloroethane	1.67	64	19	Below Cal	#	43
10) Methyl Iodide	2.42	142	97	5.330	ug/l #	40
11) Tert butyl alcohol	2.83	59	873	1.112	ug/l #	85
16) Acetone	2.32	43	7118	4.104	ug/l	92
27) cis-1,2-Dichloroethene	4.23	96	944	0.331	ug/l	81
31) Cyclohexane	4.98	56	5276	Below Cal	#	26
36) 1,1-Dichloropropene	4.99	75	14615	4.185	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18807	4.898	ug/l #	16
40) Benzene	5.40	78	24727	2.485	ug/l	99
44) Trichloroethene	6.19	130	693	0.245	ug/l	93
73) Isopropylbenzene	10.17	105	3506	0.321	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	82407	26.347	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	82407	60.979	ug/l #	100
95) Naphthalene	13.77	128	92	0.688	ug/l #	69

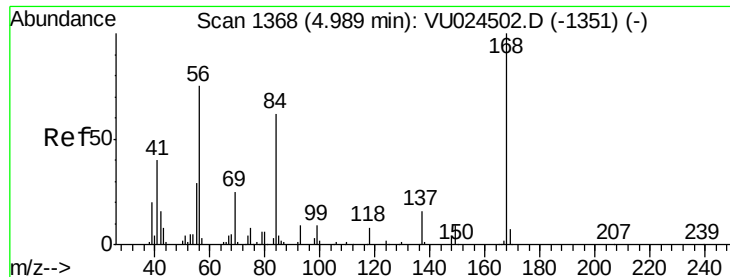
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025257.D

Acq: 06 Jul 2018 22:07

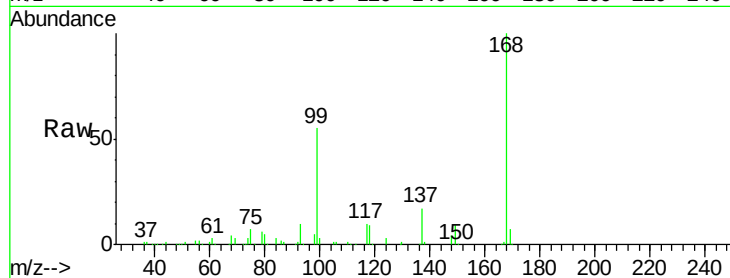
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 197734

Ion Ratio Lower Upper

168 100

99 55.2 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

80000

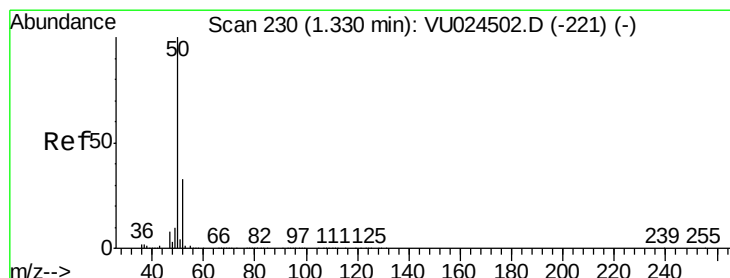
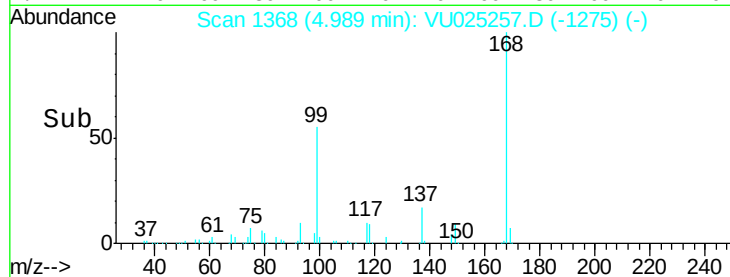
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025257.D

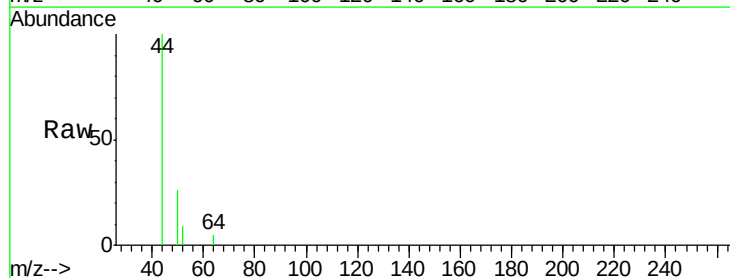
Acq: 06 Jul 2018 22:07

Tgt Ion: 50 Resp: 983

Ion Ratio Lower Upper

50 100

52 35.9 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D

1.33

1000

800

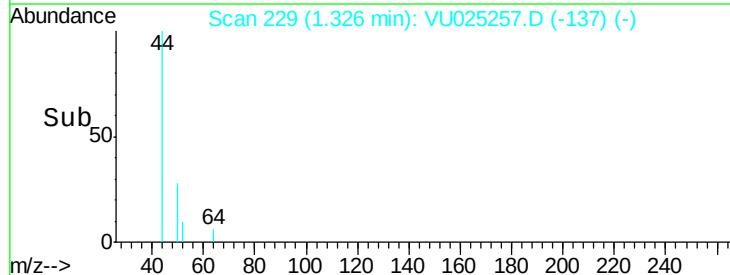
600

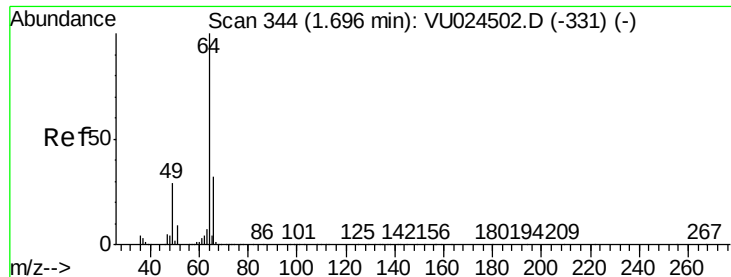
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :

MSVOA_U

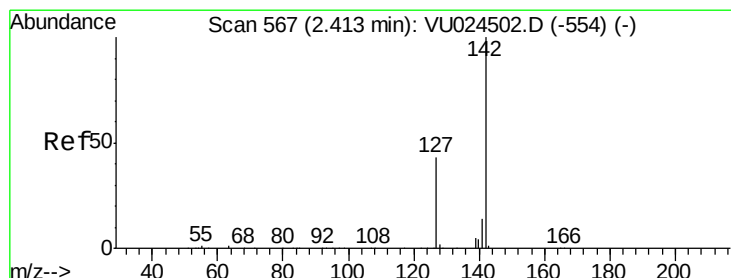
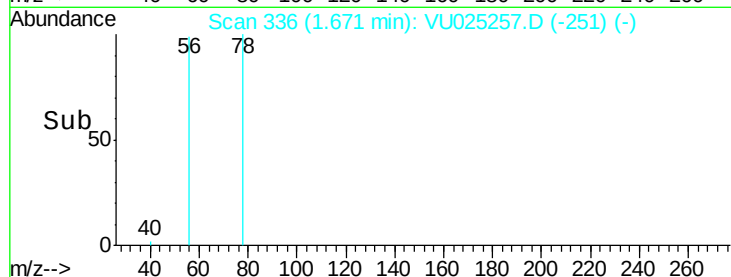
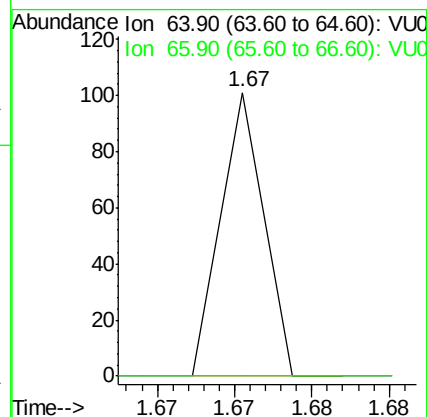
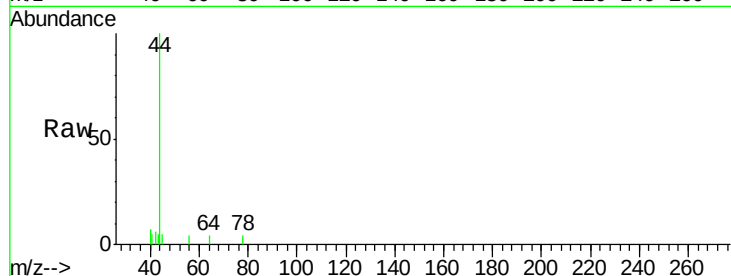
ClientSampleId :

Tot Ion: 64 Resp: 19

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.330 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

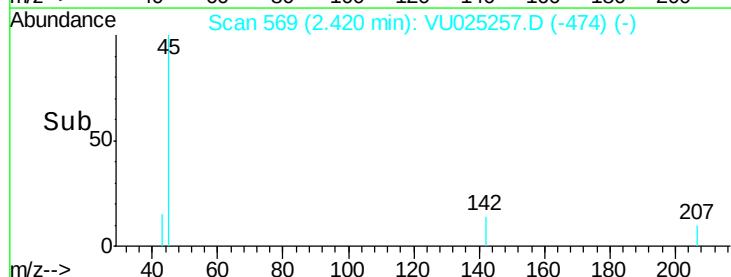
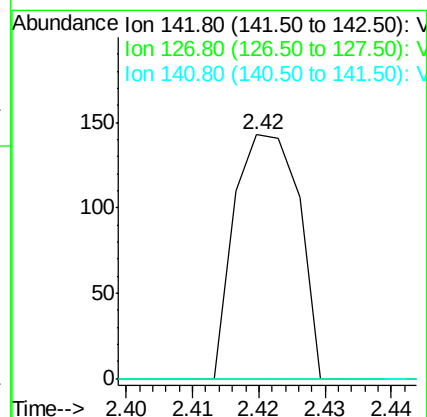
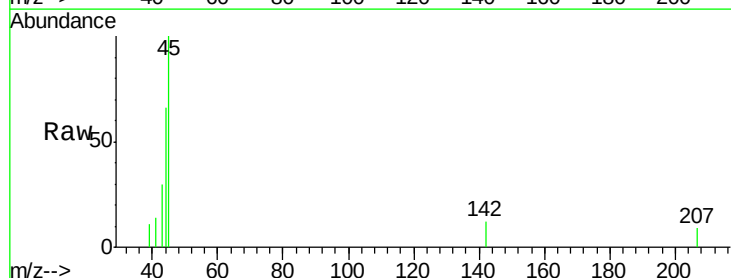
Tgt Ion: 142 Resp: 97

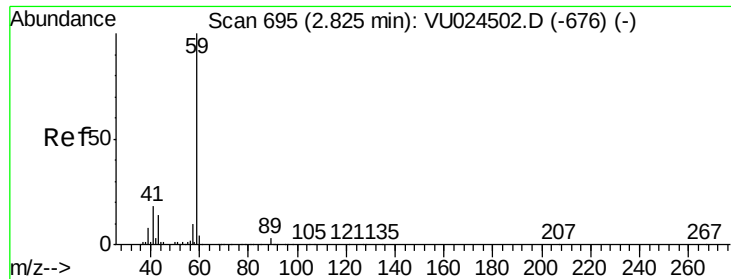
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#

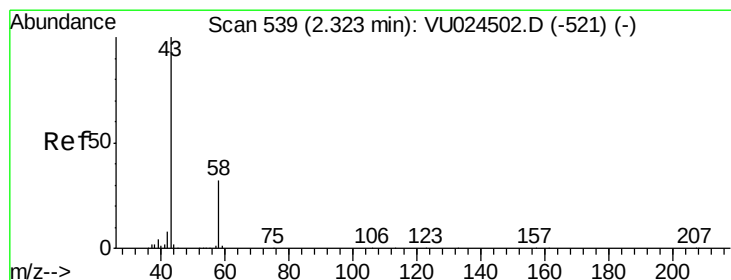
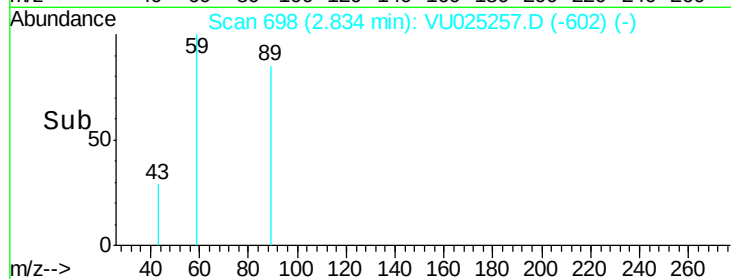
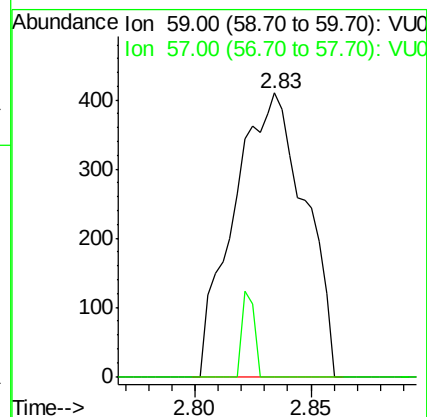
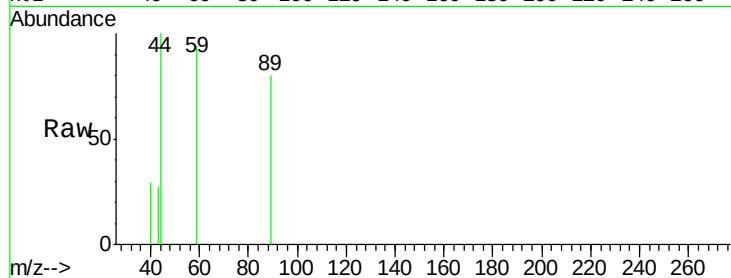




#11
Tert butyl alcohol
Concen: 1.112 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025257.D
Acq: 06 Jul 2018 22:07

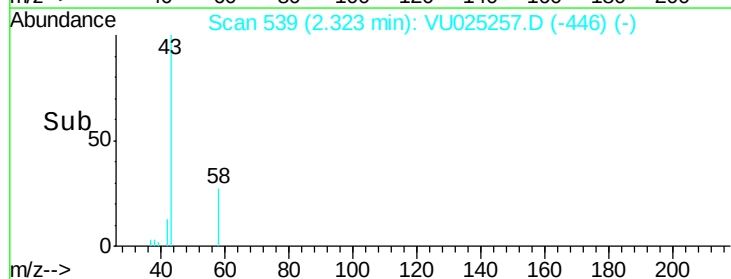
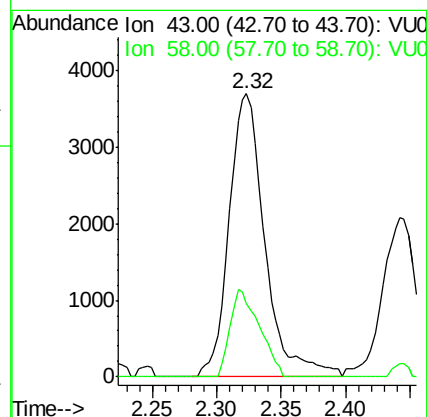
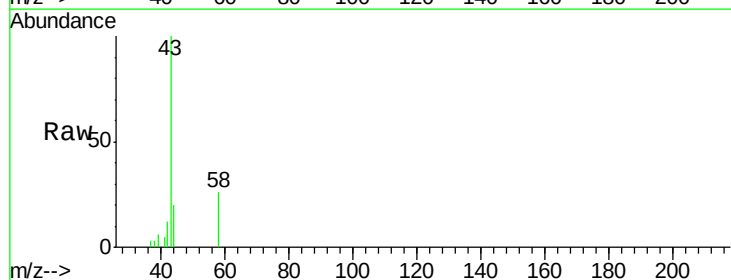
Instrument :
MSVOA_U
ClientSampled :

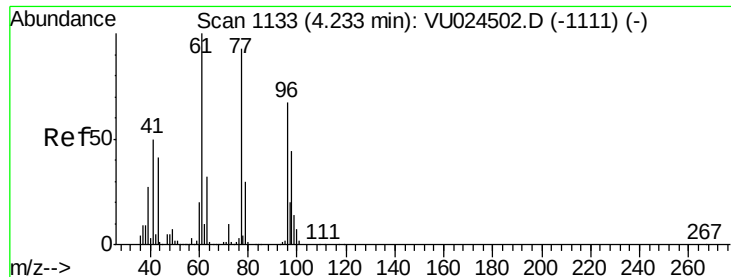
Tot Ion: 59 Resp: 873
Ion Ratio Lower Upper
59 100
57 5.0 8.5 12.7#



#16
Acetone
Concen: 4.104 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025257.D
Acq: 06 Jul 2018 22:07

Tgt Ion: 43 Resp: 7118
Ion Ratio Lower Upper
43 100
58 26.0 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 0.331 ug/l

RT: 4.23 min Scan# 1132

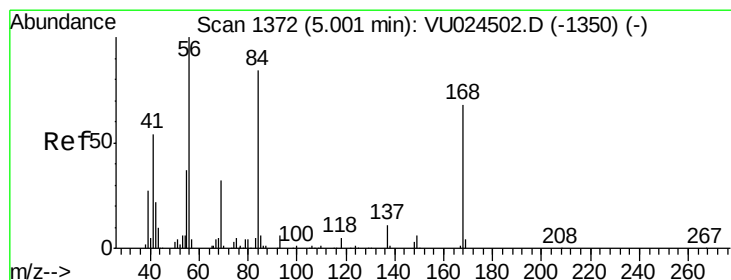
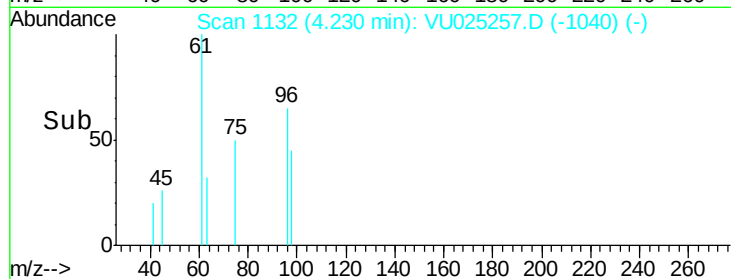
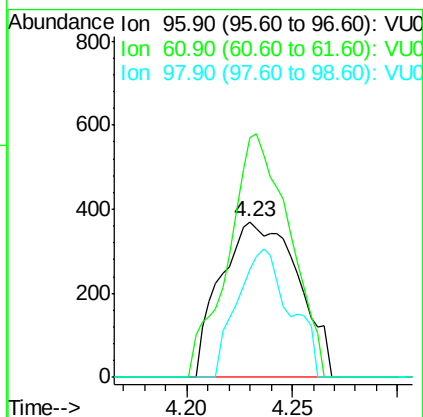
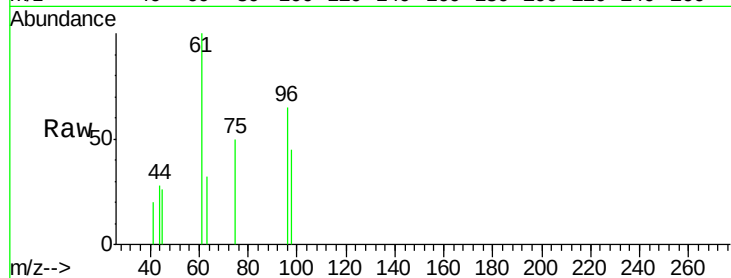
Delta R.T. -0.00 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	944
Ion	Ratio	Lower	Upper
96	100		
61	123.4	0.0	306.6
98	56.3	0.0	128.8



#31

Cyclohexane

Concen: Below Cal

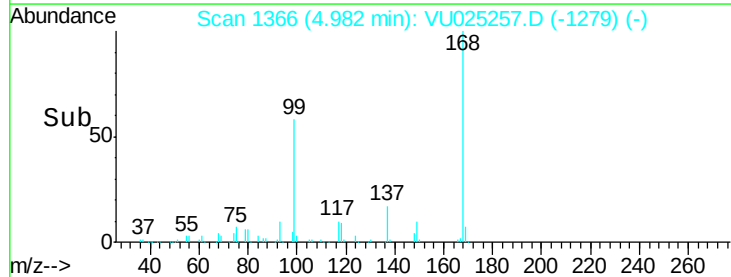
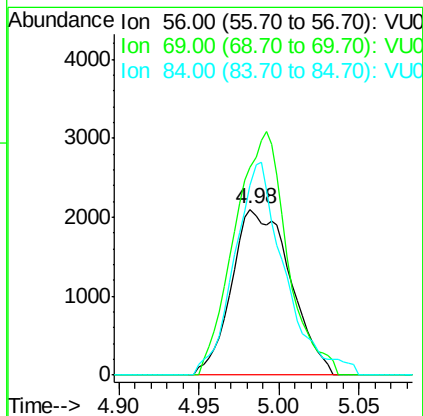
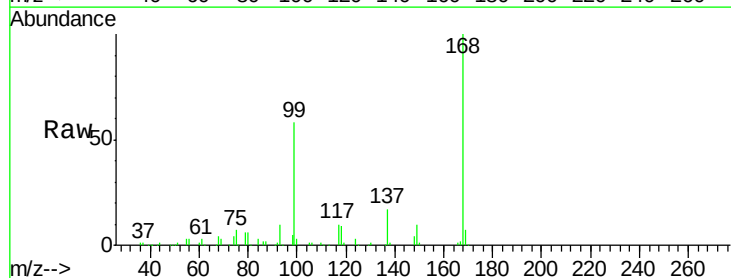
RT: 4.98 min Scan# 1366

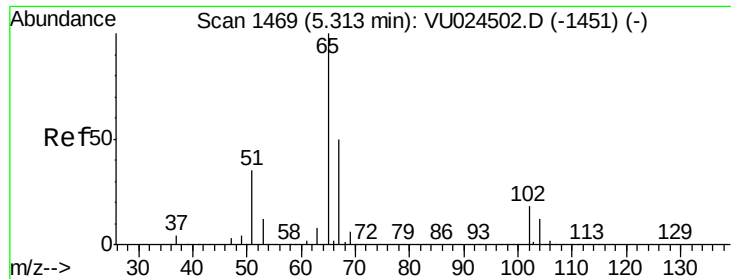
Delta R.T. -0.02 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Tgt Ion:	56	Resp:	5276
Ion	Ratio	Lower	Upper
56	100		
69	125.2	24.8	37.2#
84	114.6	65.2	97.8#

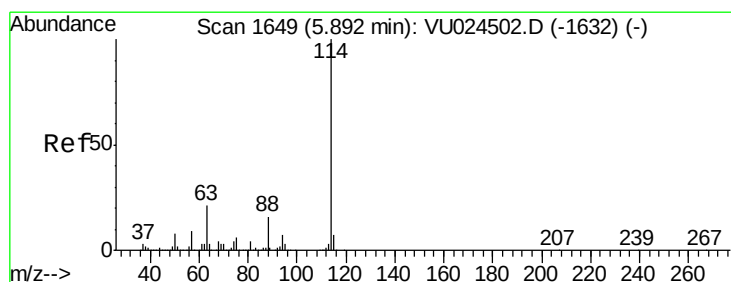
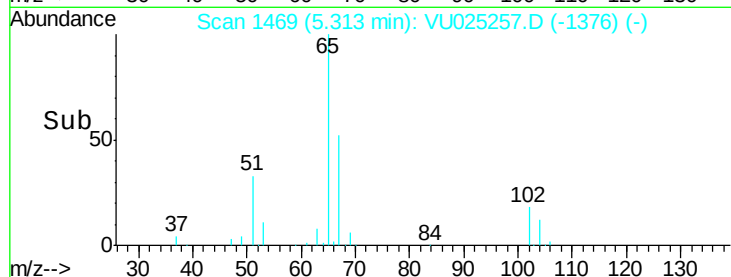
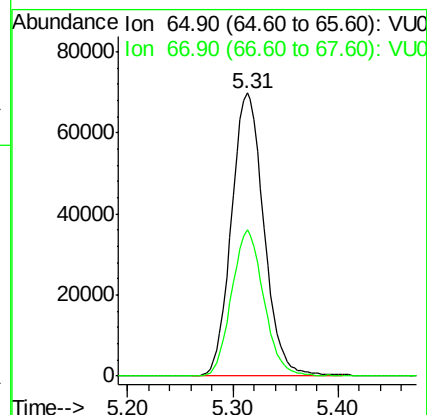
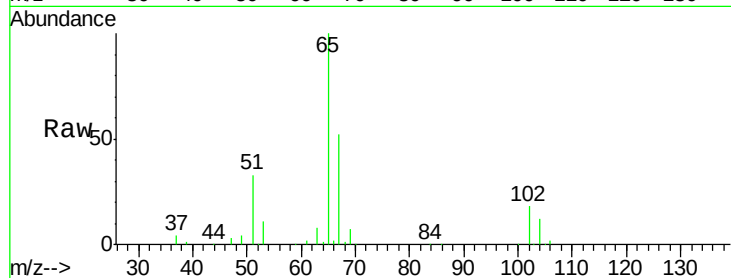




#33
 1,2-Dichloroethane-d4
 Concen: 46.209 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

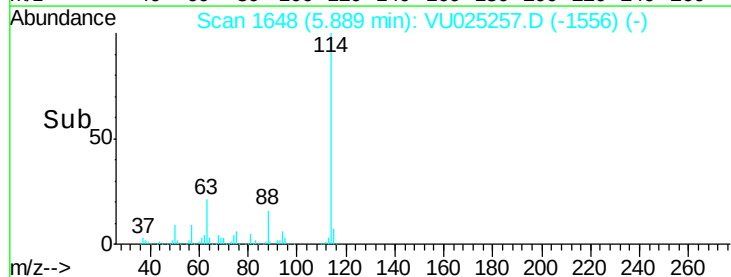
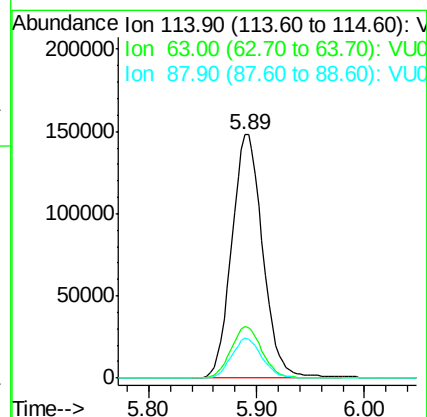
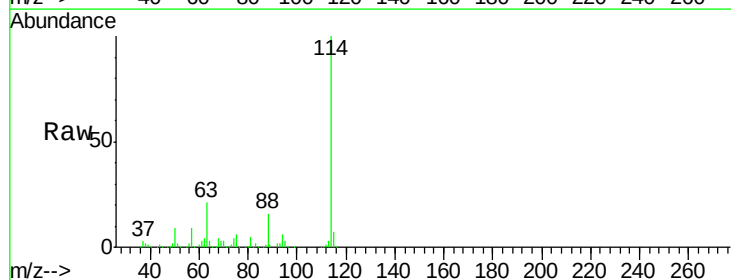
Instrument :
 MSVOA_U
 ClientSampleId :

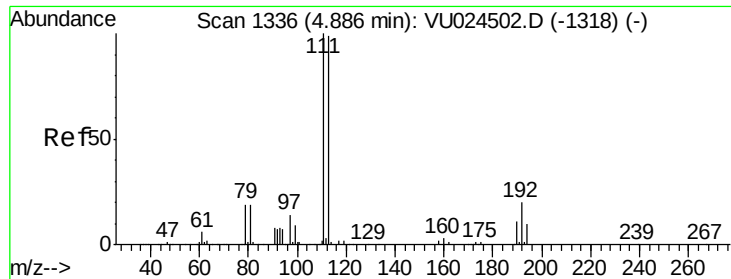
Tot Ion: 65 Resp: 149166
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

Tgt Ion: 114 Resp: 297173
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 16.2 0.0 31.0

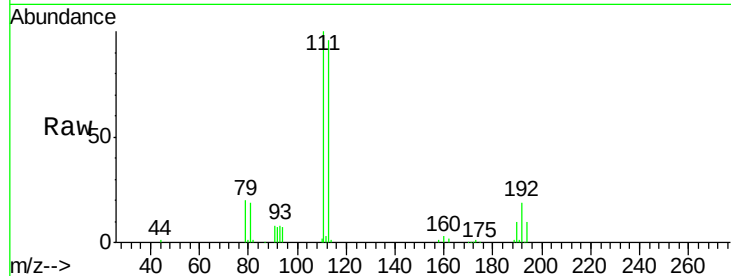




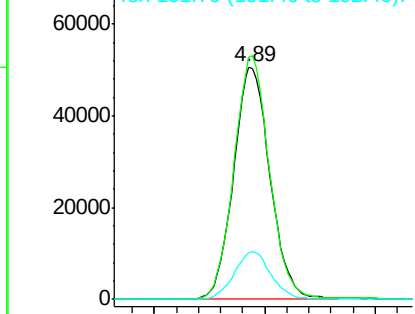
#35
 Dibromofluoromethane
 Concen: 47.024 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

Instrument :
 MSVOA_U
 ClientSampleId :

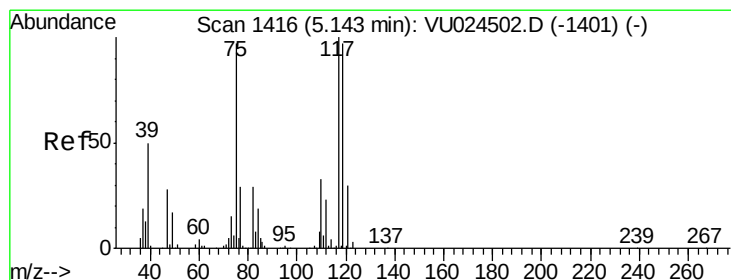
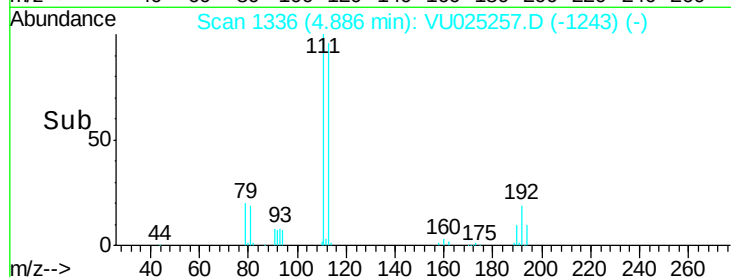
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	20.6	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

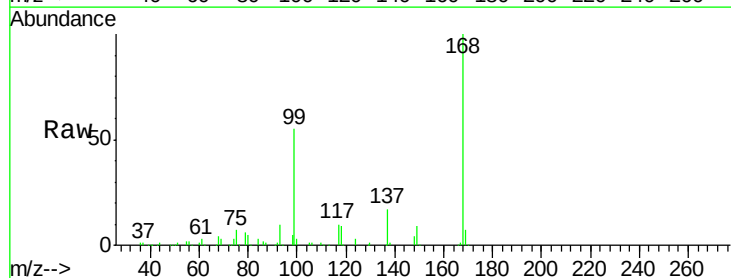


Time-->

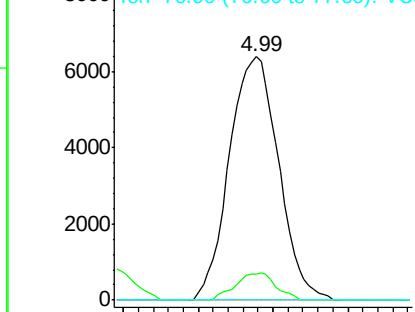


#36
 1,1-Dichloropropene
 Concen: 4.185 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

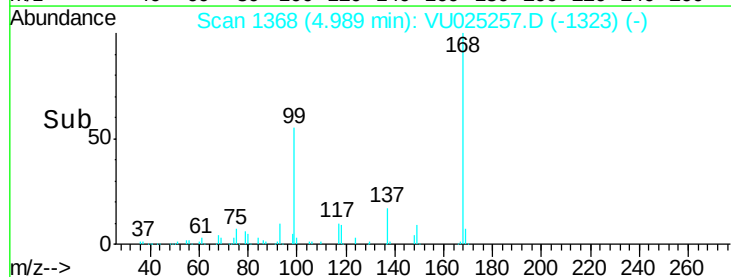
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.2	36.4#

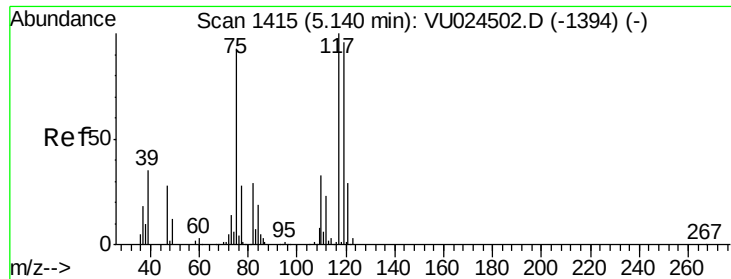


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0



Time-->





#38

Carbon Tetrachloride

Concen: 4.898 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

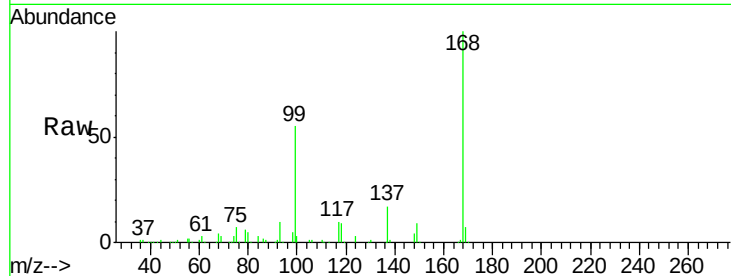
Tot Ion:117 Resp: 18807

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

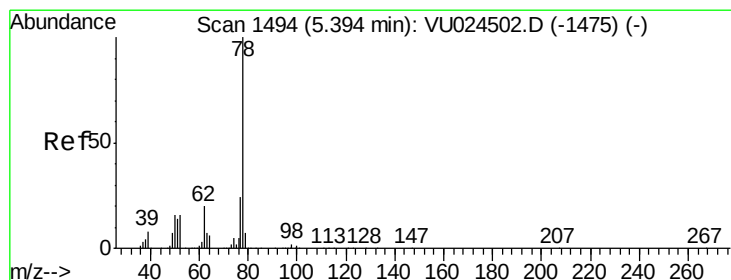
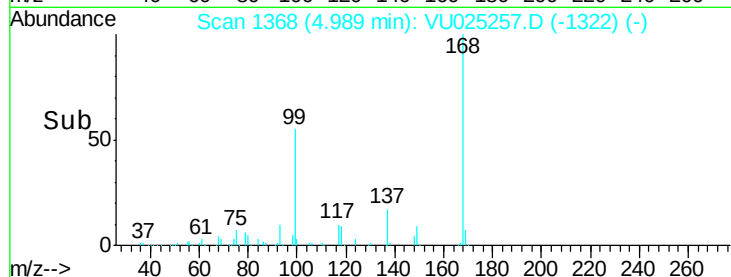
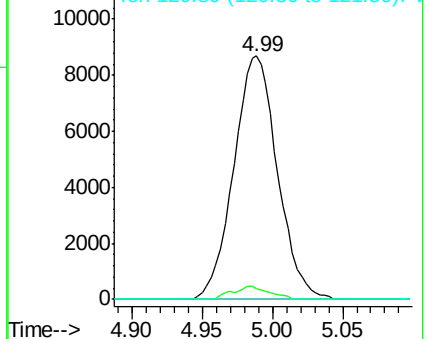
121 0.0 23.7 35.5#



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



#40

Benzene

Concen: 2.485 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025257.D

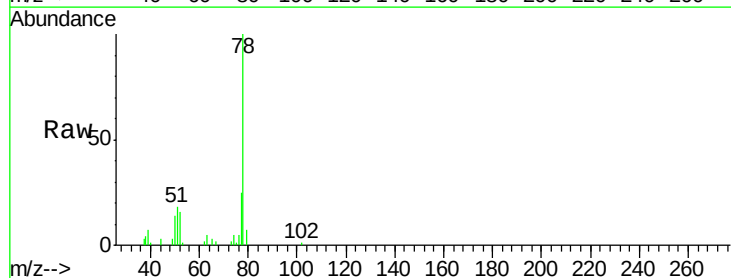
Acq: 06 Jul 2018 22:07

Tgt Ion: 78 Resp: 24727

Ion Ratio Lower Upper

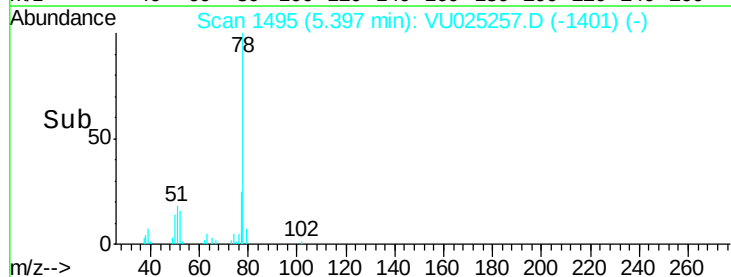
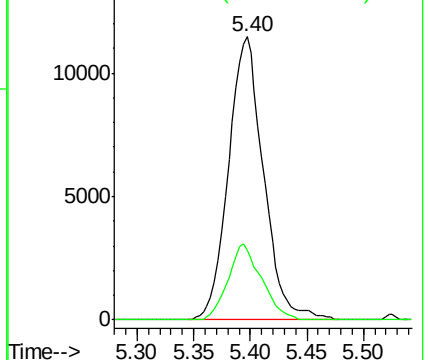
78 100

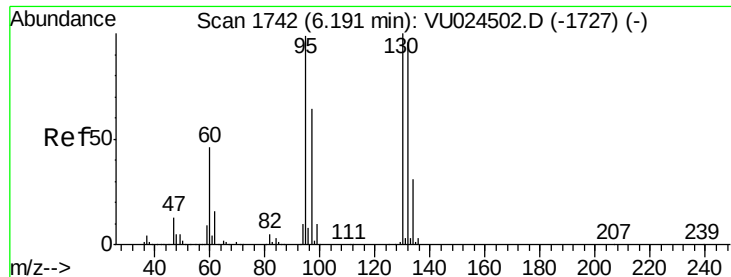
77 24.7 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 0.245 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :

MSVOA_U

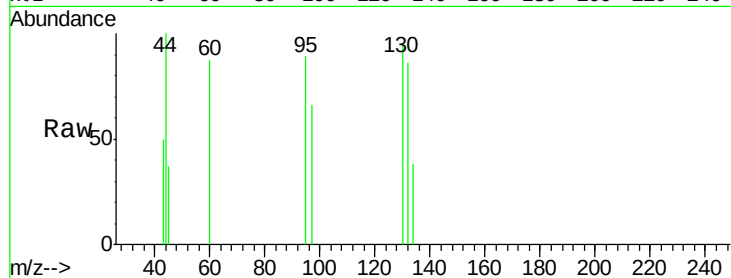
ClientSampleId :

Tot Ion:130 Resp: 693

Ion Ratio Lower Upper

130 100

95 93.9 0.0 202.4

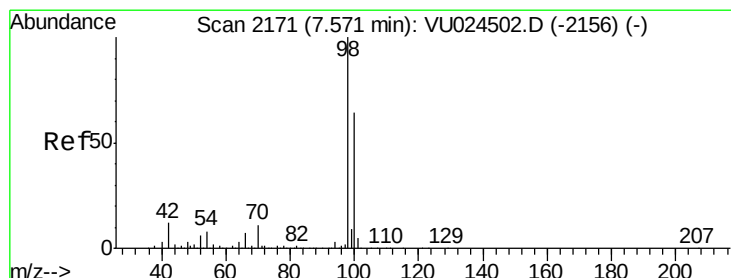
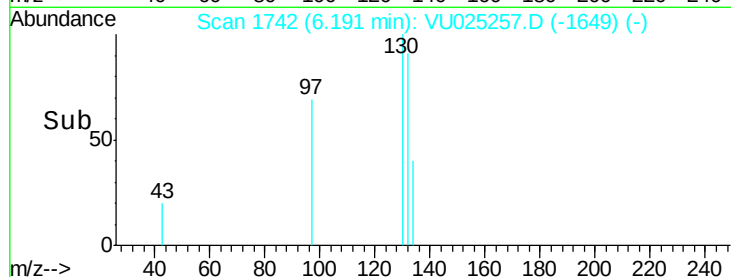


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

Time-->



#50

Toluene-d8

Concen: 47.303 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025257.D

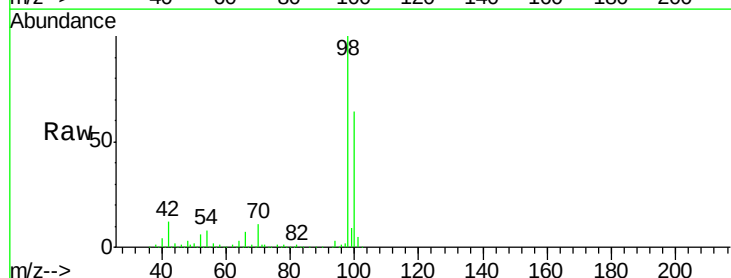
Acq: 06 Jul 2018 22:07

Tgt Ion: 98 Resp: 425546

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7

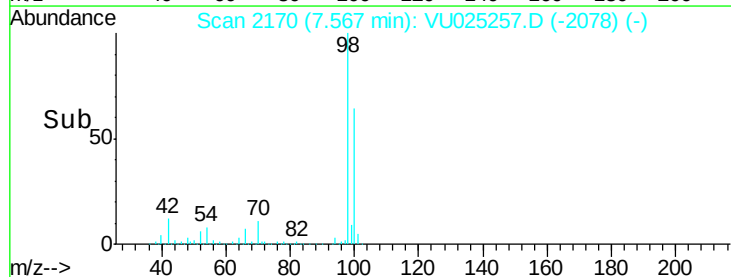


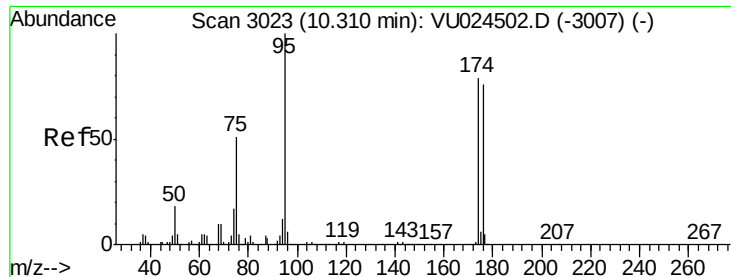
Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

Time-->





#62

4-Bromofluorobenzene

Concen: 43.185 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

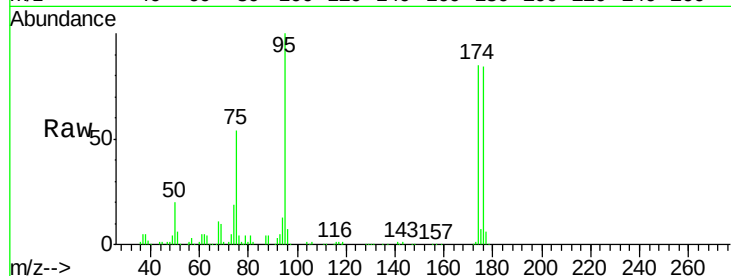
Tot Ion: 95 Resp: 154248

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

176 83.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

10.31

120000

100000

80000

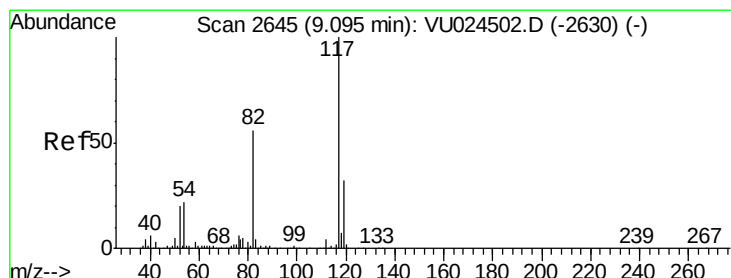
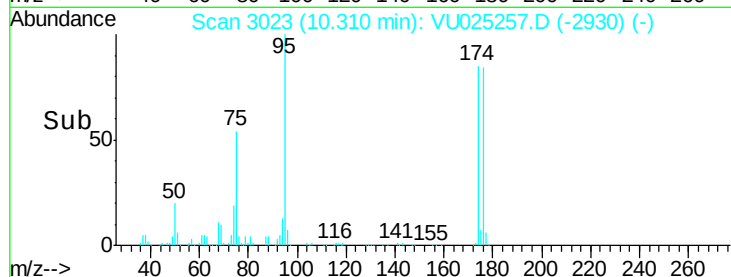
60000

40000

20000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

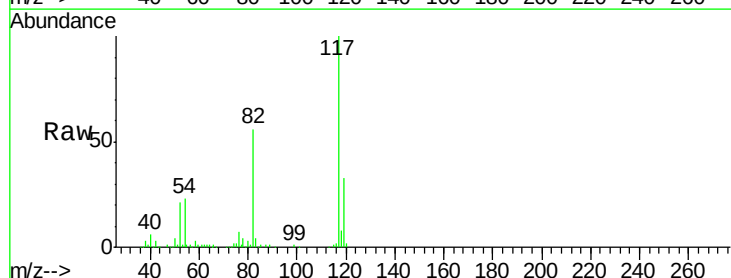
Tgt Ion: 117 Resp: 274185

Ion Ratio Lower Upper

117 100

82 56.3 44.3 66.5

119 33.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

9.09

200000

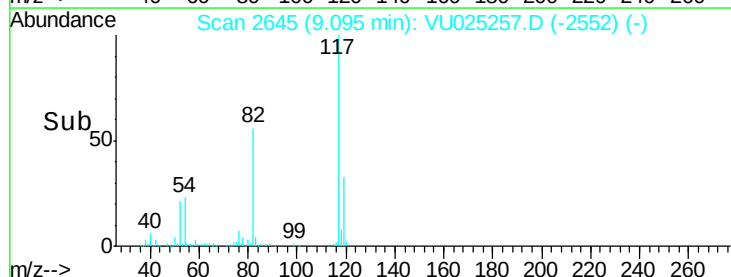
150000

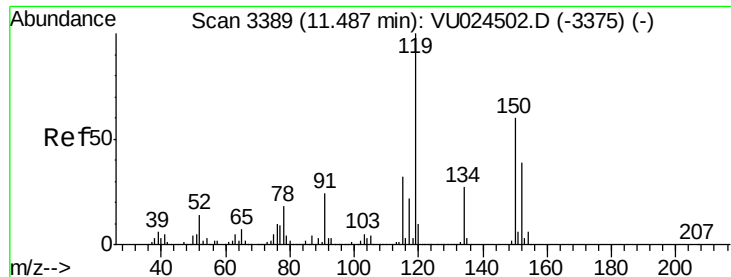
100000

50000

0

Time-->

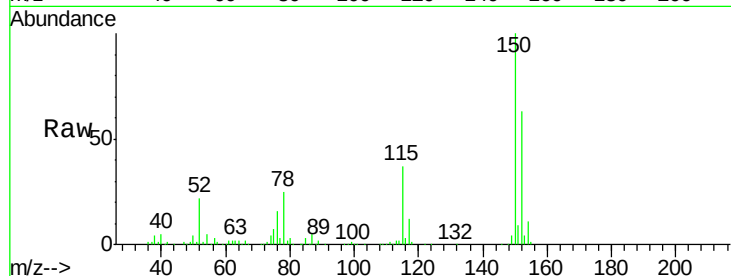




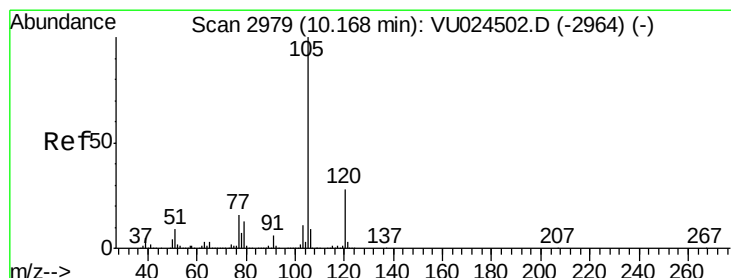
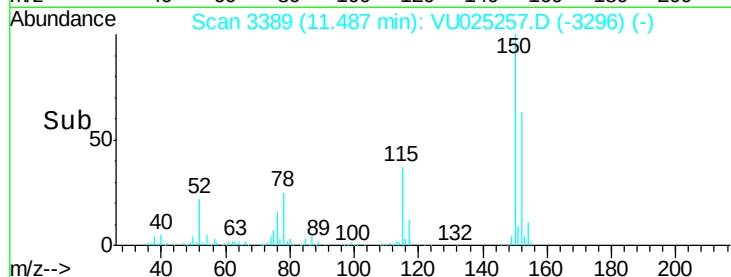
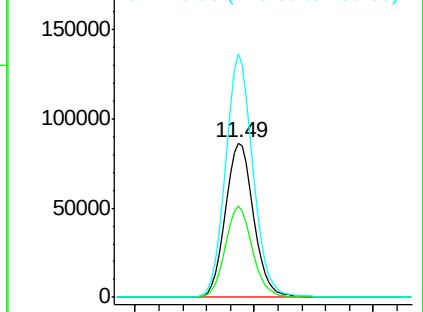
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:152 Resp: 142063
 Ion Ratio Lower Upper
 152 100
 115 57.0 43.0 129.0
 150 153.1 0.0 354.0

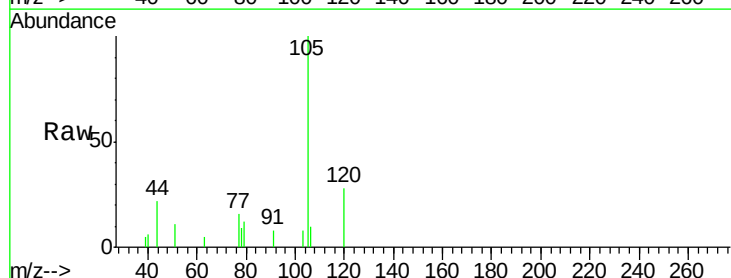


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

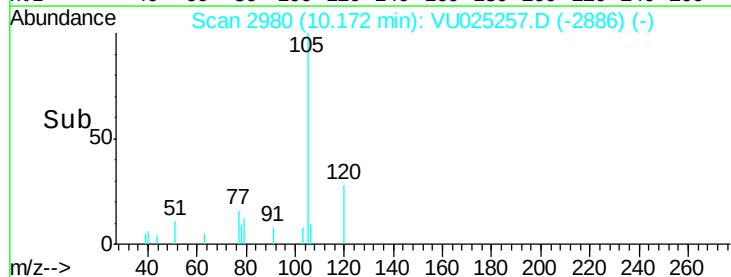
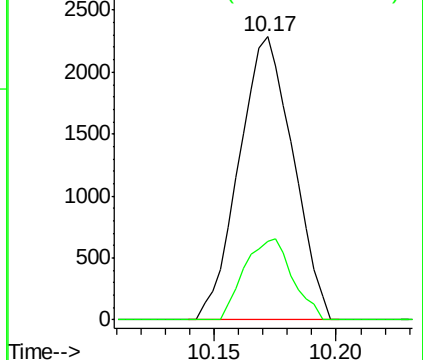


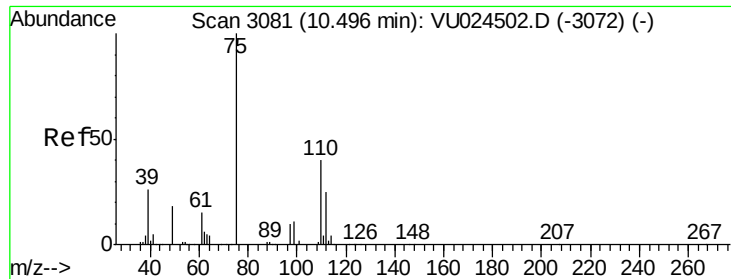
#73
 Isopropylbenzene
 Concen: 0.321 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

Tgt Ion:105 Resp: 3506
 Ion Ratio Lower Upper
 105 100
 120 25.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 26.347 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :

MSVOA_U

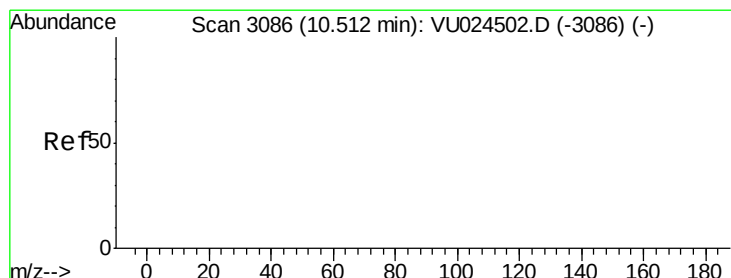
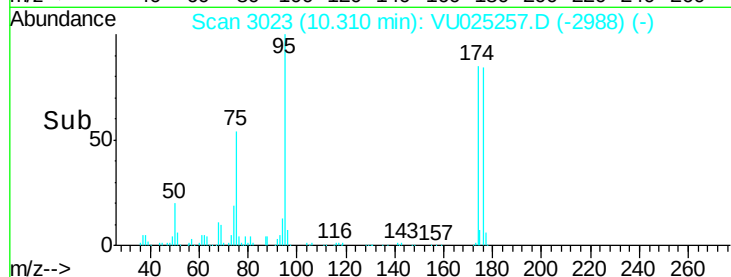
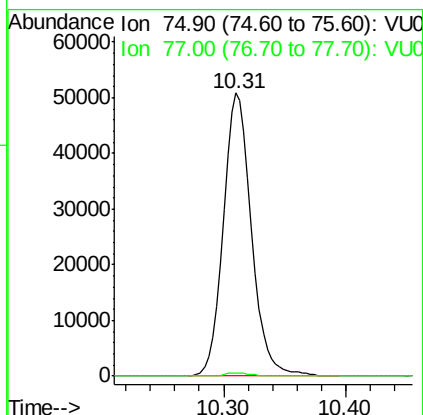
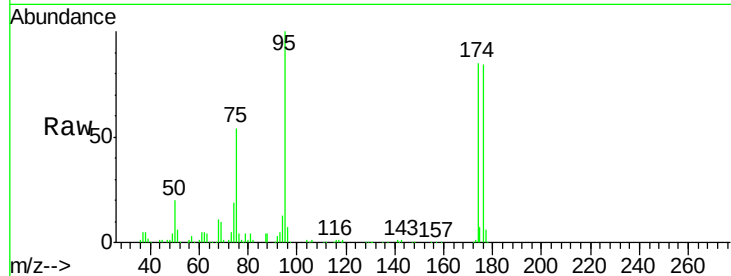
ClientSampleId :

Tot Ion: 75 Resp: 82407

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.979 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

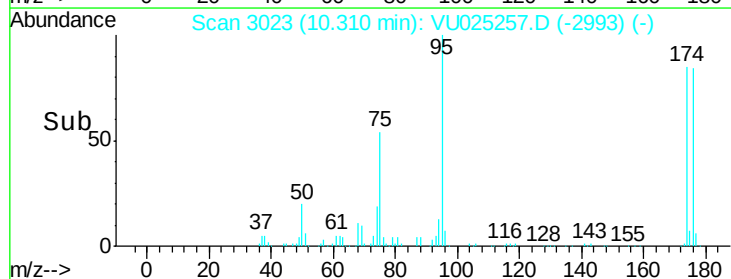
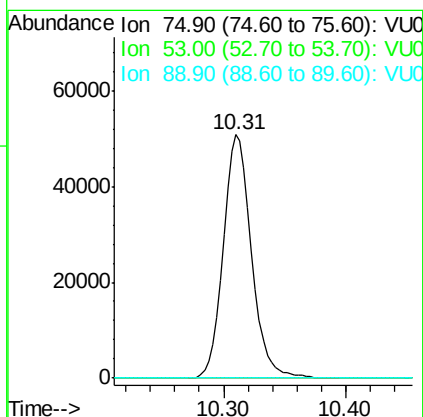
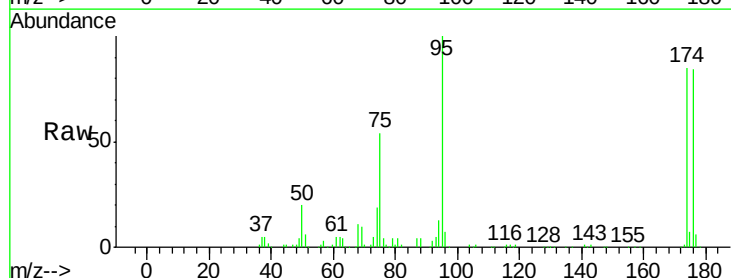
Tgt Ion: 75 Resp: 82407

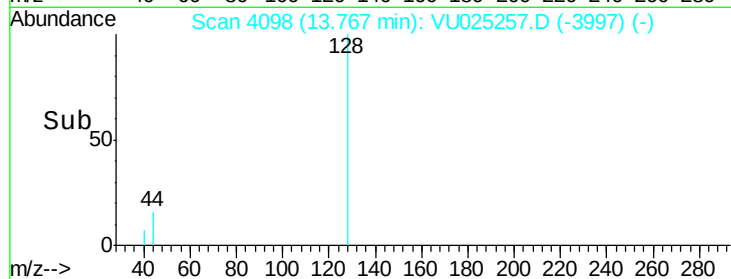
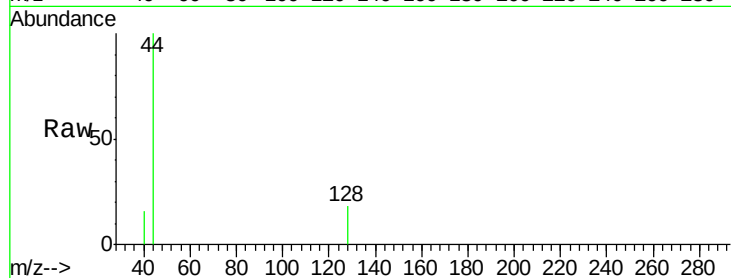
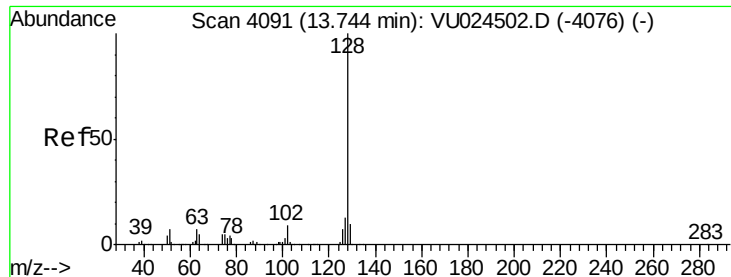
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.688 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU025257.D

Acq: 06 Jul 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128	Resp:	92
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.6 12.8#

