

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 :
 S10-0151

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

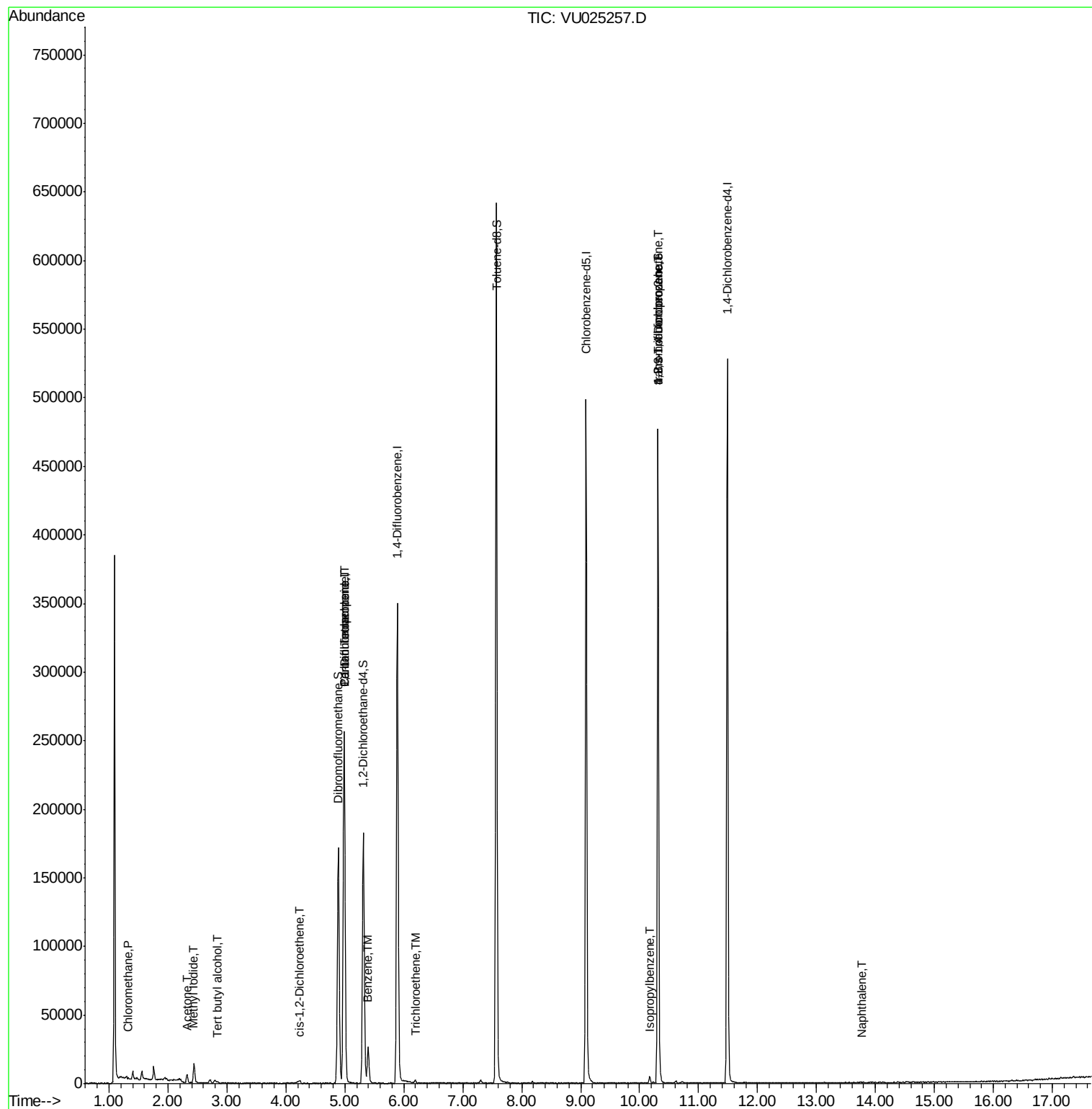
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297173	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142063	50.00	ug/l	0.00
System Monitoring Compounds						
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

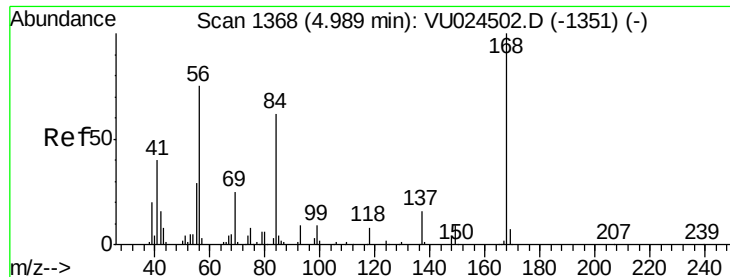
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

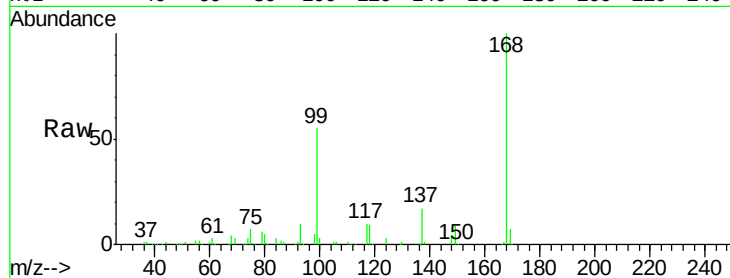
S10-0151

Tot Ion:168 Resp: 197734

Ion Ratio Lower Upper

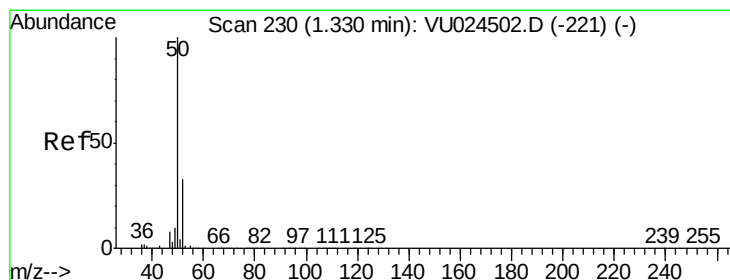
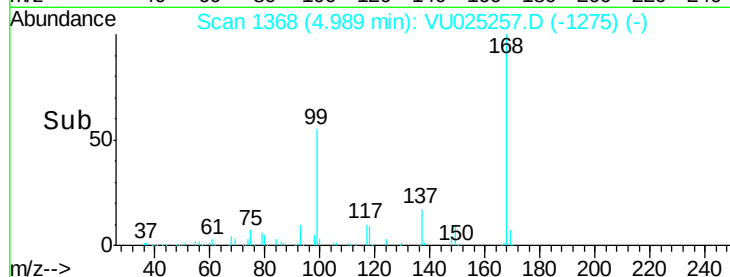
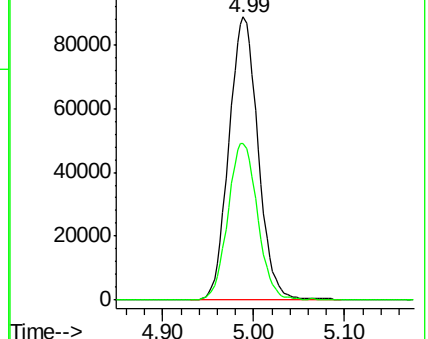
168 100

99 55.2 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025257.D

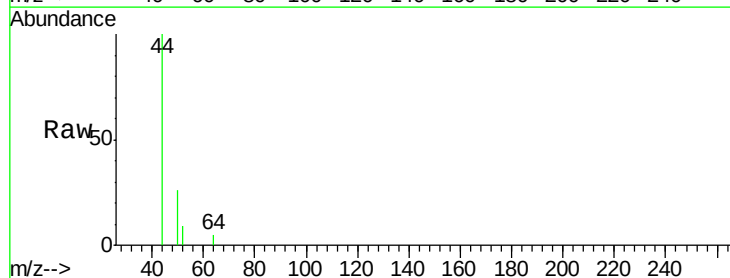
Acq: 06 Jul 2018 22:07

Tgt Ion: 50 Resp: 983

Ion Ratio Lower Upper

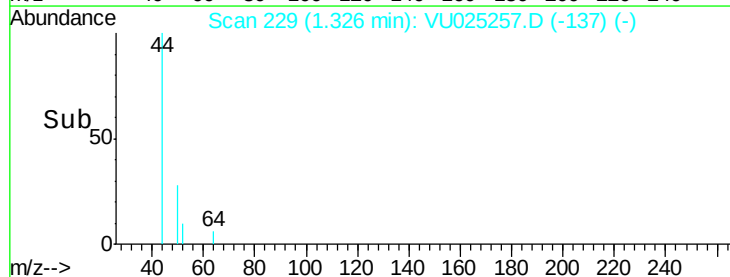
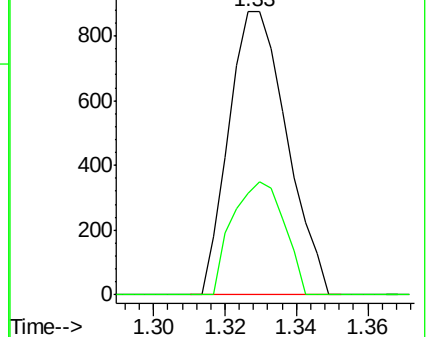
50 100

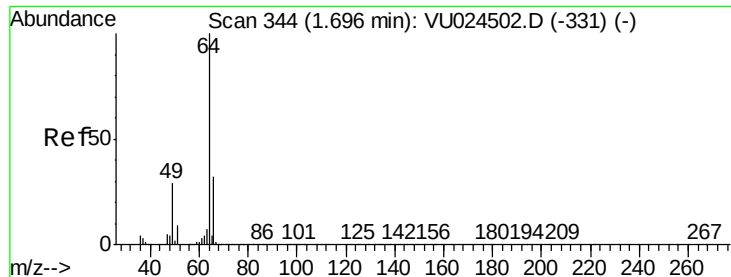
52 35.9 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#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 :

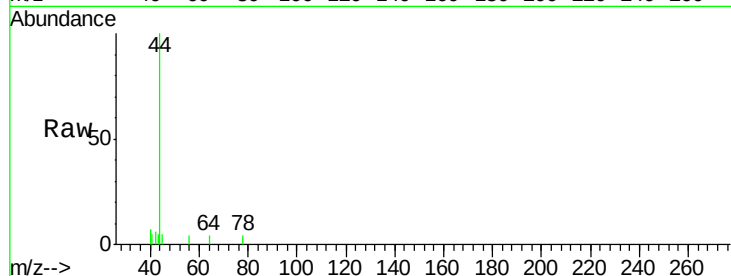
S10-0151

Tot Ion: 64 Resp: 19

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

1.67

100

80

60

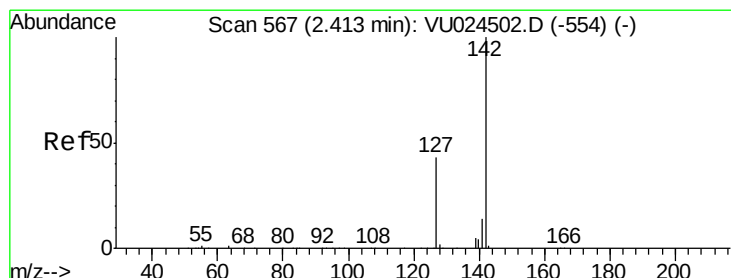
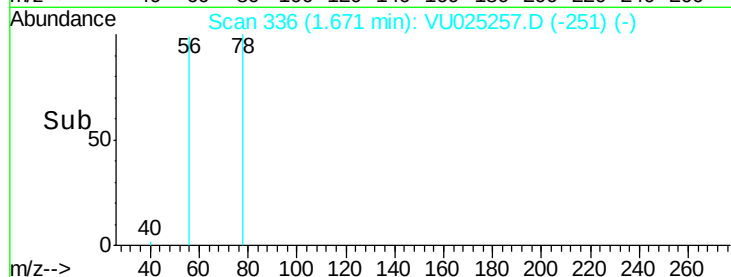
40

20

0

1.67 1.67 1.68 1.68

Time-->



#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

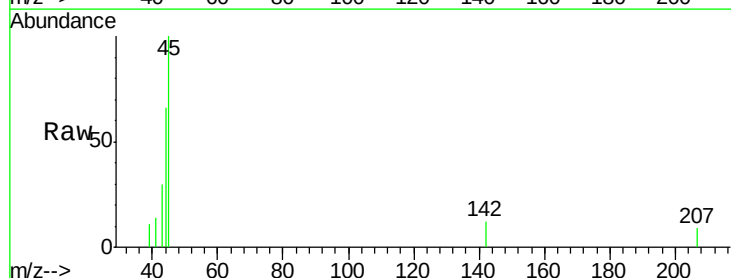
Tgt Ion: 142 Resp: 97

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



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

2.42

150

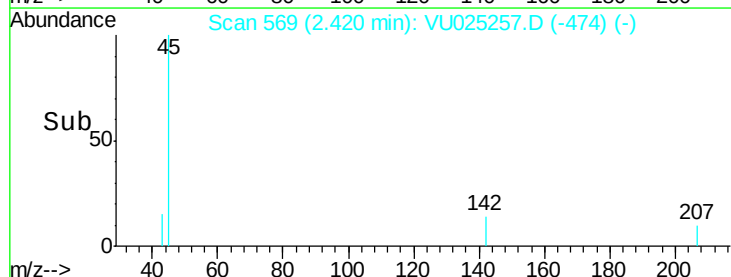
100

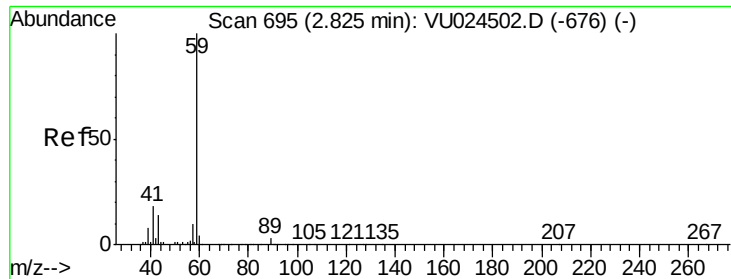
50

0

2.40 2.41 2.42 2.43 2.44

Time-->



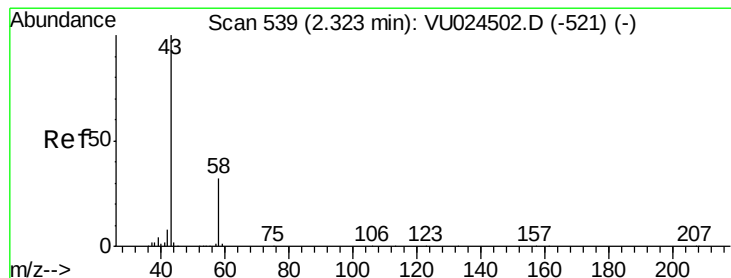
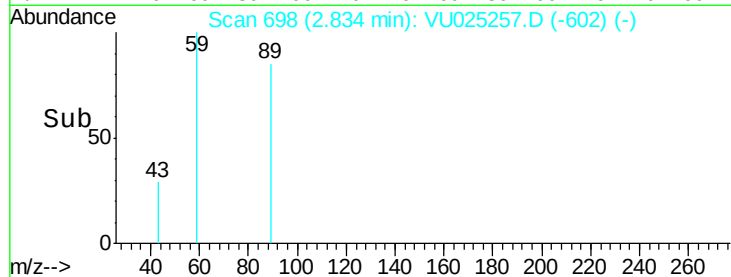
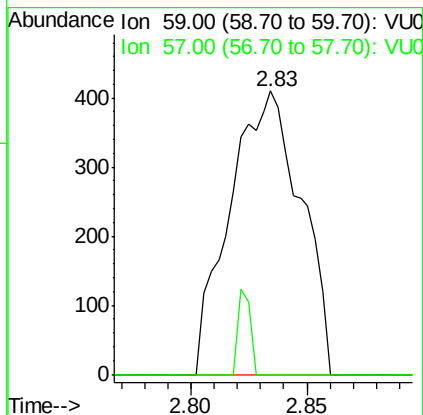
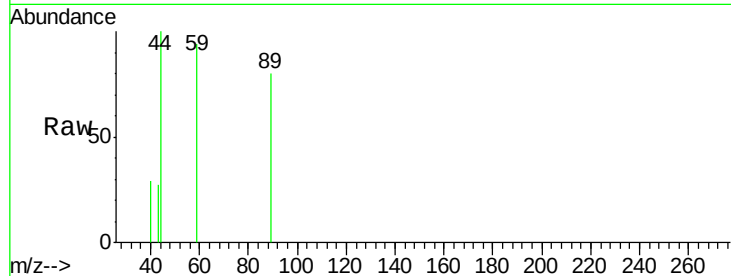


#11

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
 ClientSampleId :
 S10-0151

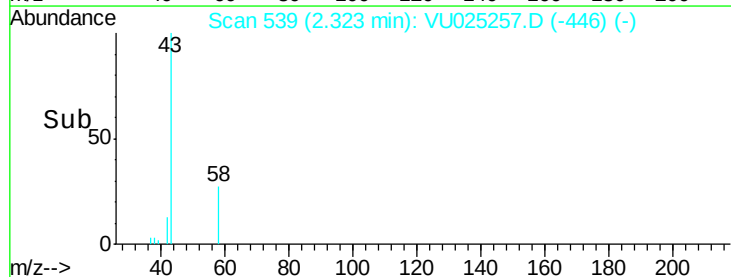
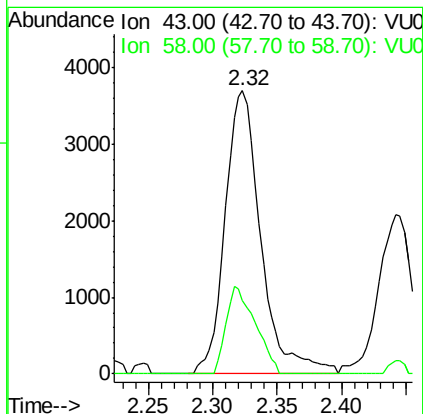
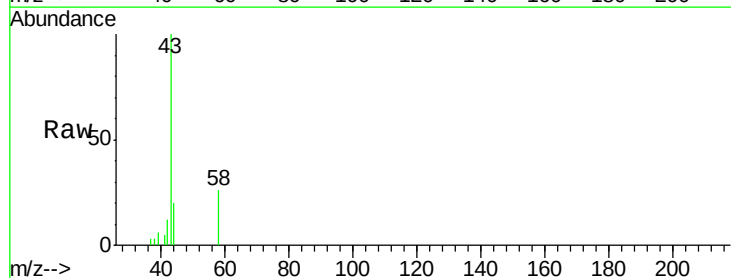
Tot Ion: 59 Resp: 873
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.5 12.7#

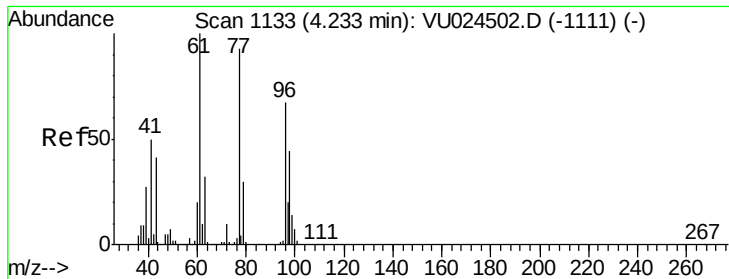


#16

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 :

S10-0151

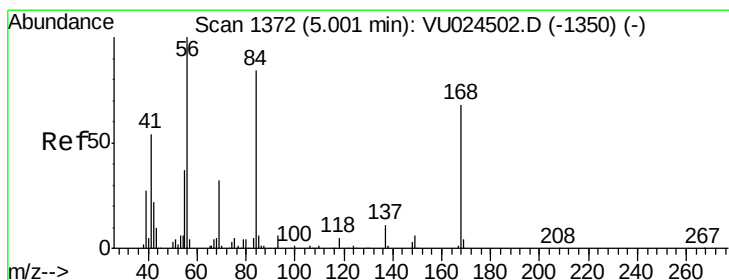
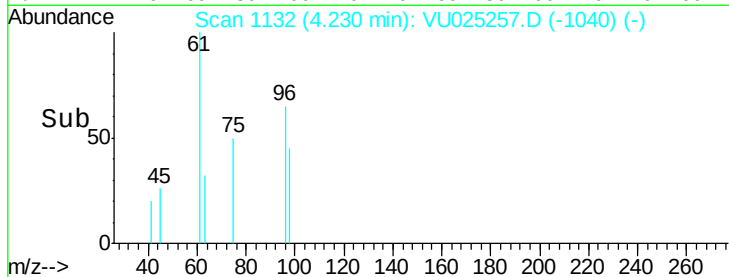
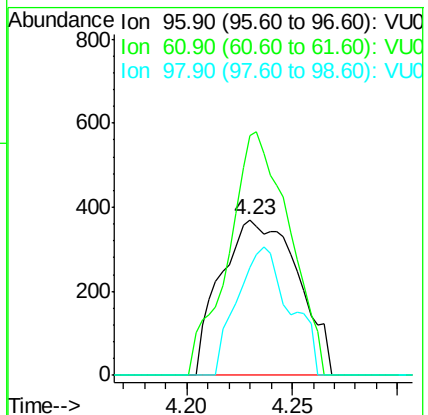
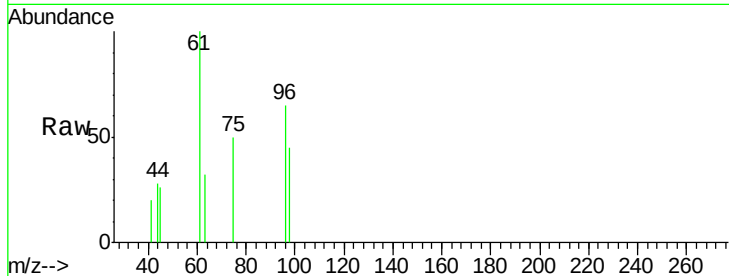
Tot Ion: 96 Resp: 944

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

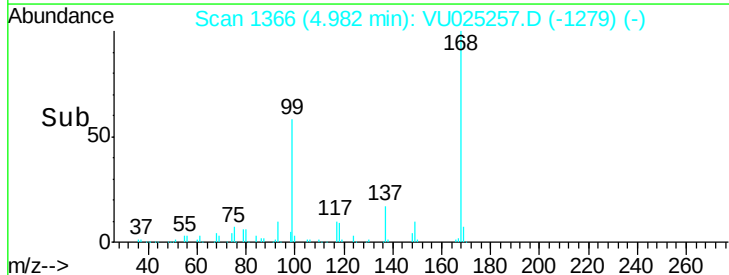
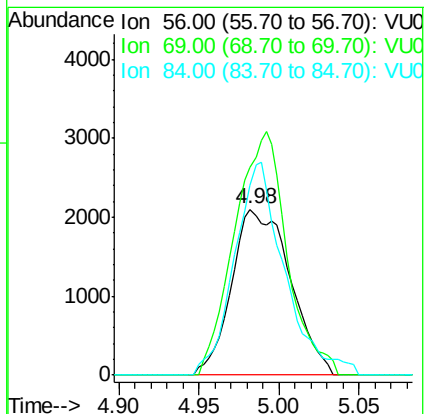
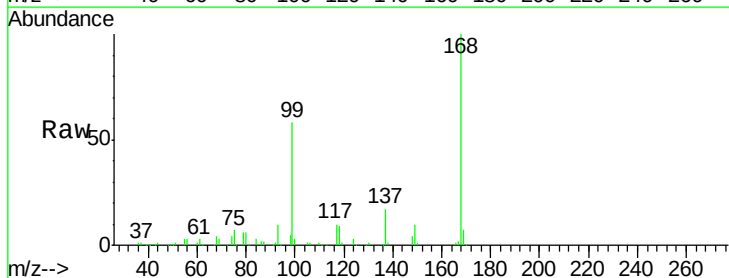
Tgt Ion: 56 Resp: 5276

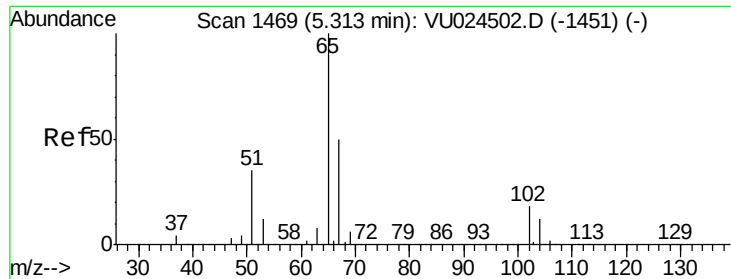
Ion Ratio Lower Upper

56 100

69 125.2 24.8 37.2#

84 114.6 65.2 97.8#

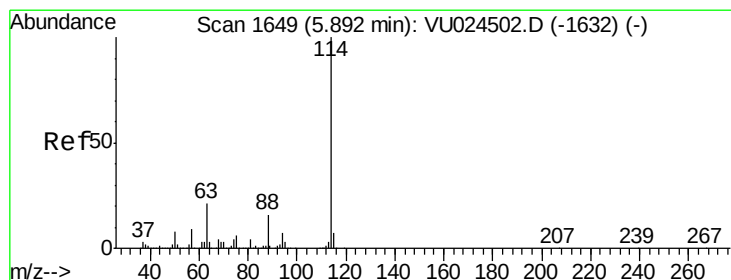
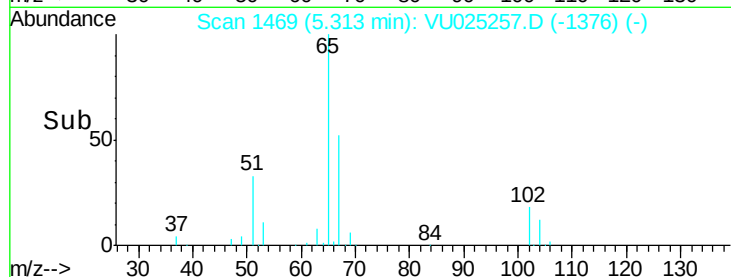
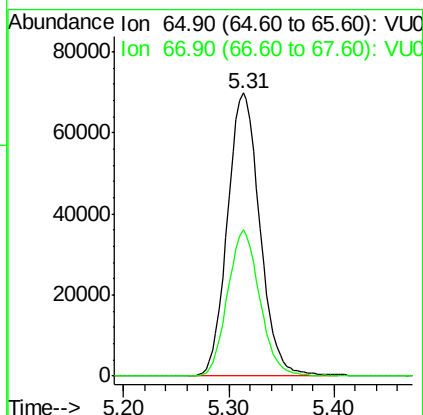
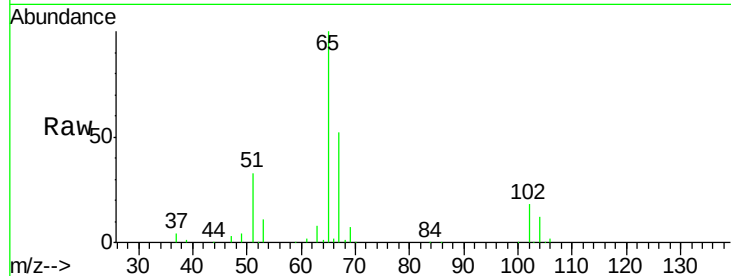




#33
 1,2-Dichloroethane-d4
 Concen: 46.209 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025257.D
 Acq: 06 Jul 2018 22:07

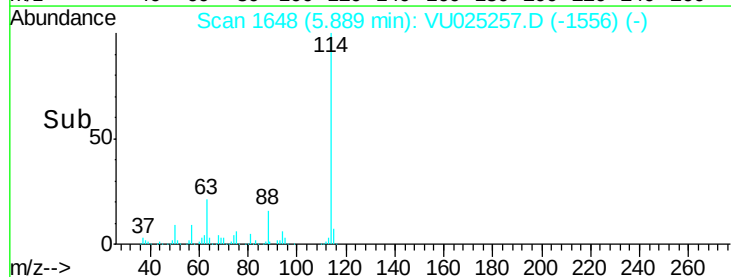
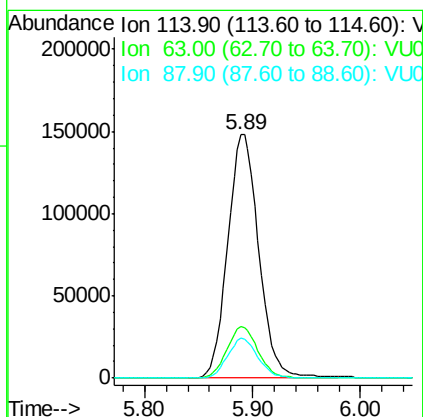
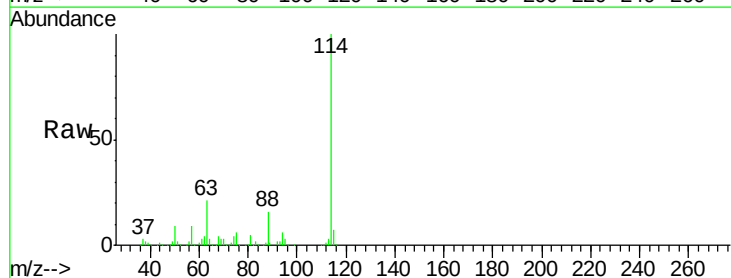
Instrument :
 MSVOA_U
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 S10-0151

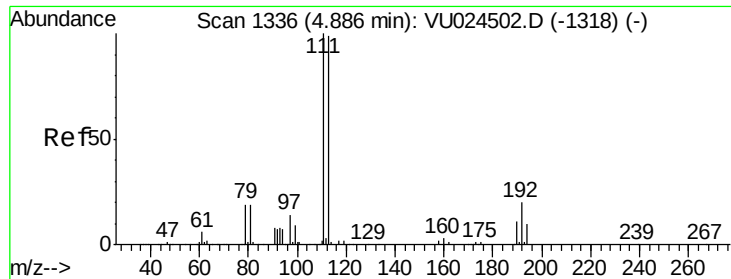
Tot Ion: 65 Resp: 149166
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#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 :

S10-0151

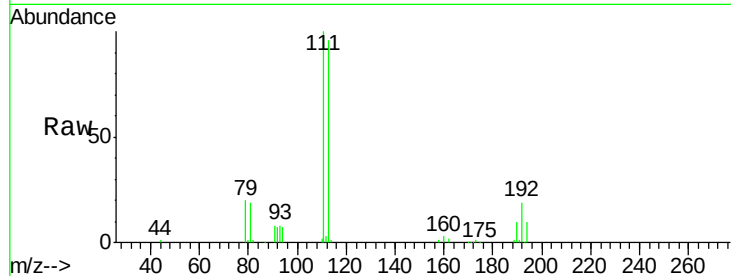
Tot Ion:113 Resp: 115976

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

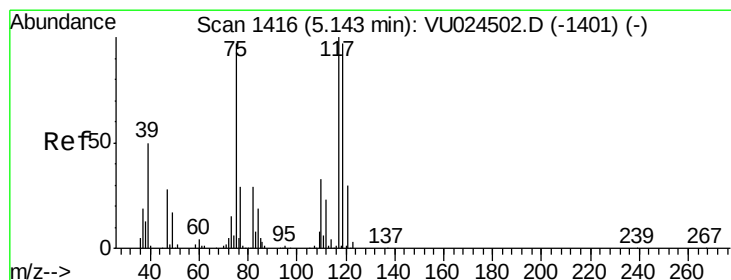
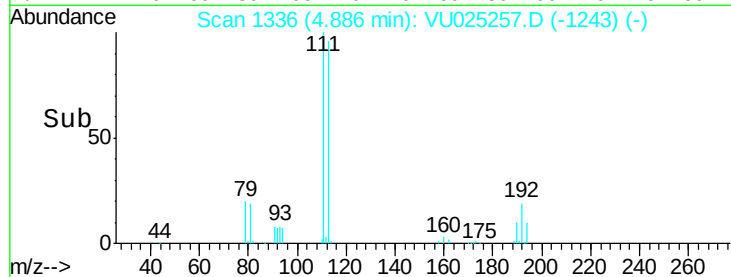
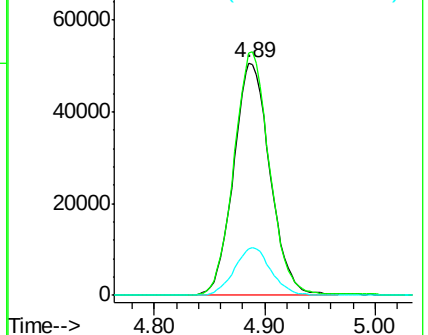
192 20.6 16.2 24.4



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



#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

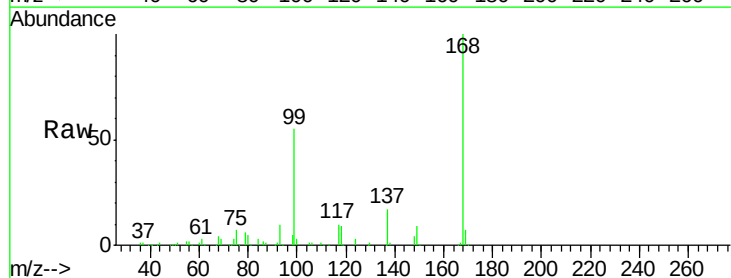
Tgt Ion: 75 Resp: 14615

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

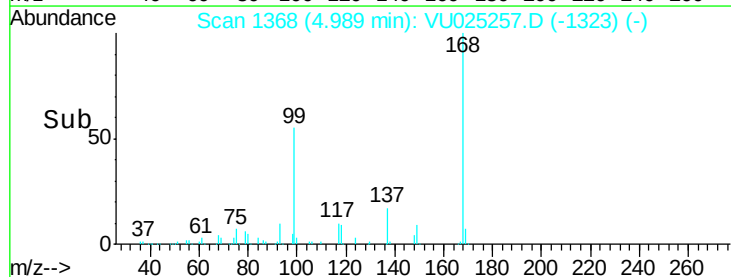
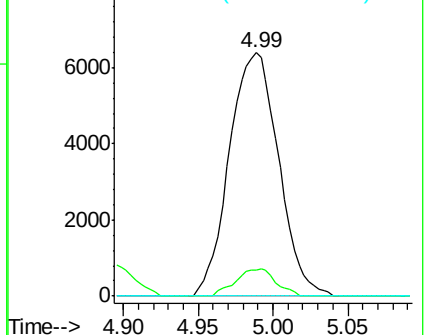
77 0.0 24.2 36.4#

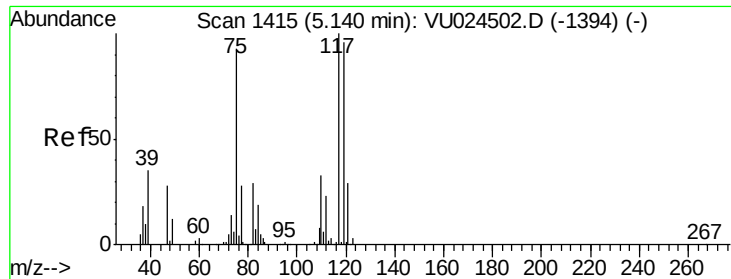


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#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 :

S10-0151

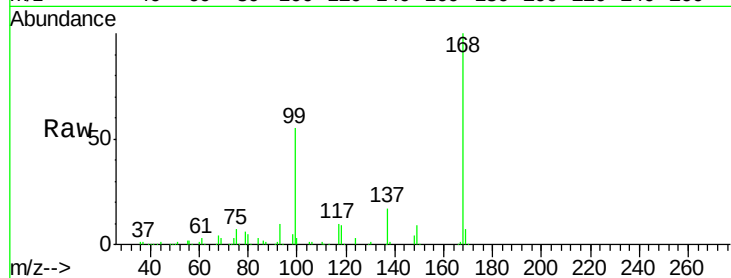
Tot Ion:117 Resp: 18807

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

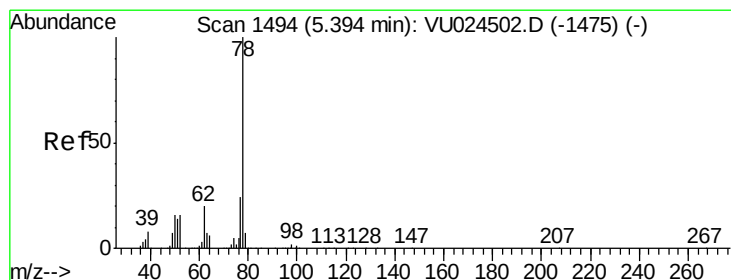
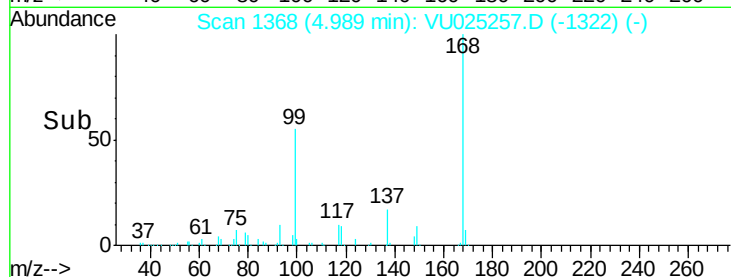
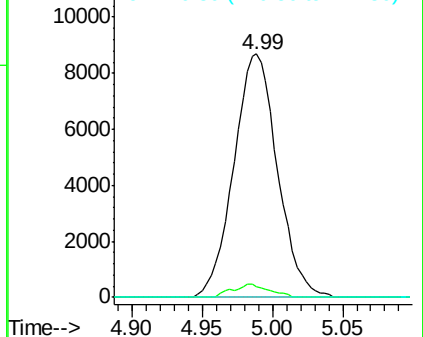
121 0.0 23.7 35.5#



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

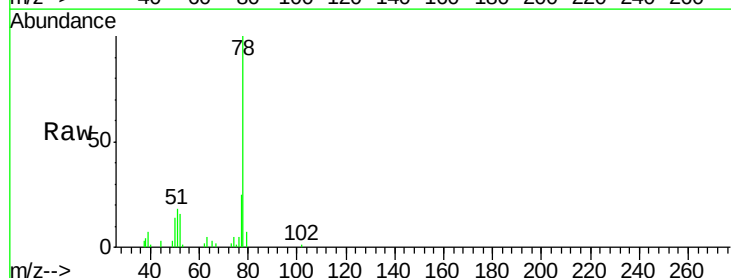
Acq: 06 Jul 2018 22:07

Tgt Ion: 78 Resp: 24727

Ion Ratio Lower Upper

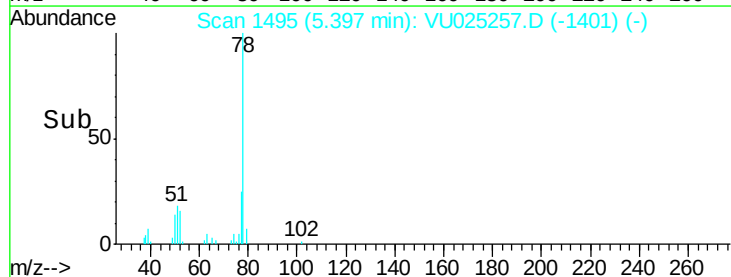
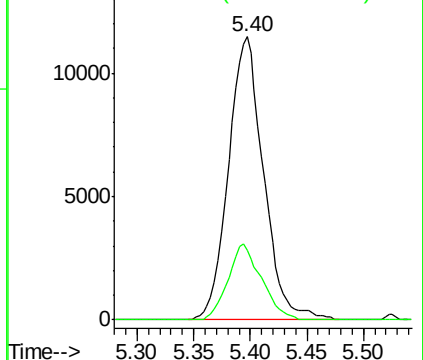
78 100

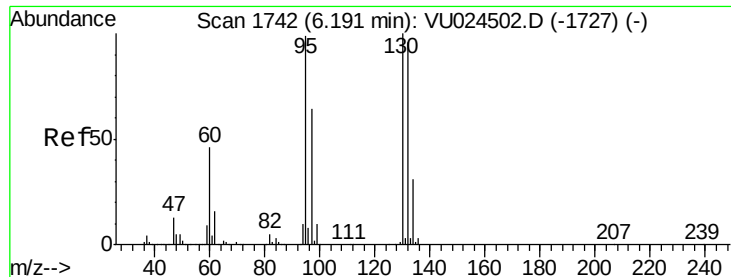
77 24.7 19.2 28.8



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 :

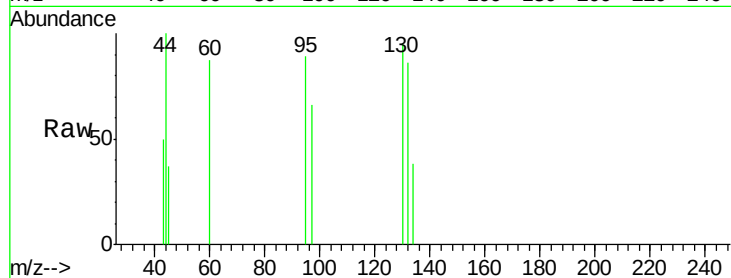
S10-0151

Tot Ion:130 Resp: 693

Ion Ratio Lower Upper

130 100

95 93.9 0.0 202.4

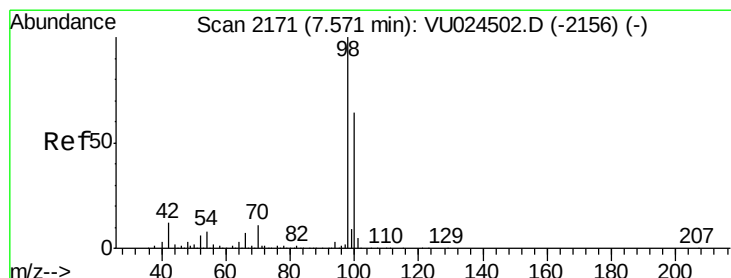
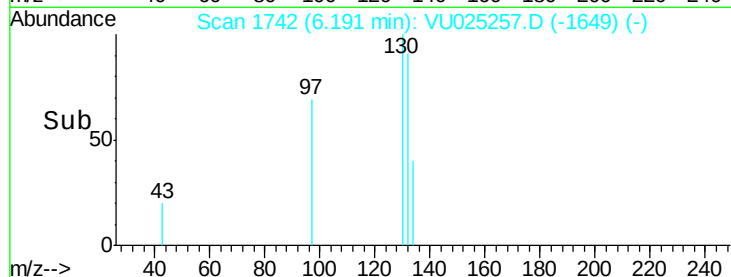


Abundance Ion 129.80 (129.50 to 130.50): V

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

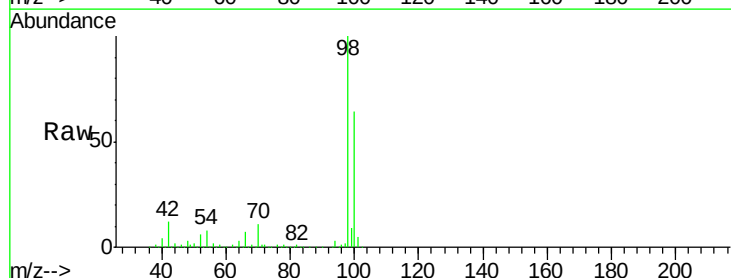
Acq: 06 Jul 2018 22:07

Tgt Ion: 98 Resp: 425546

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7

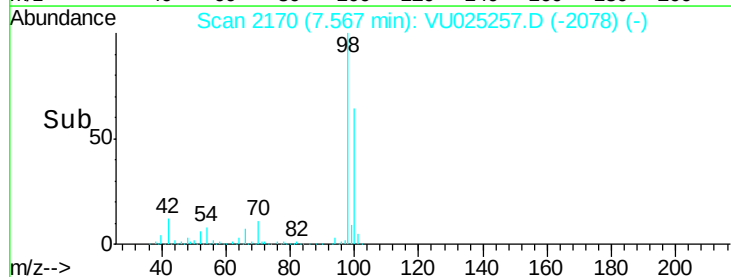


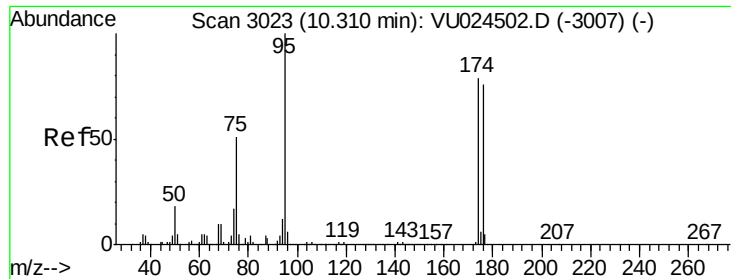
Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

Time-->

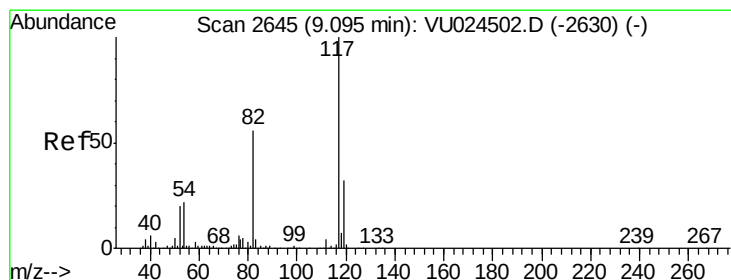
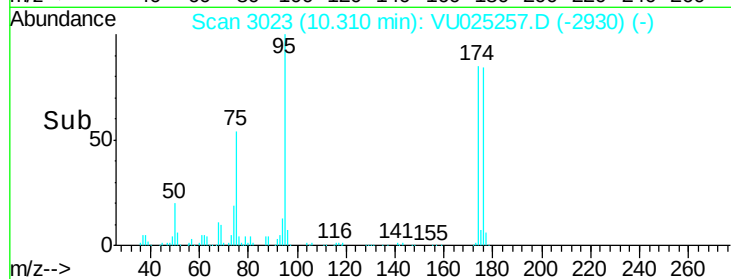
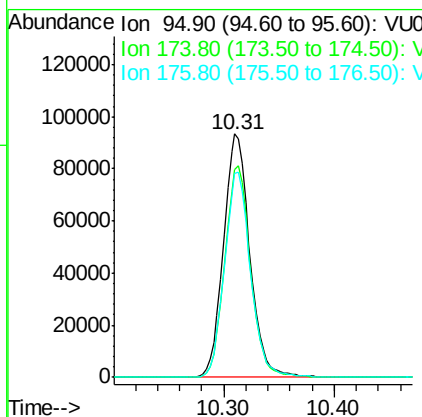
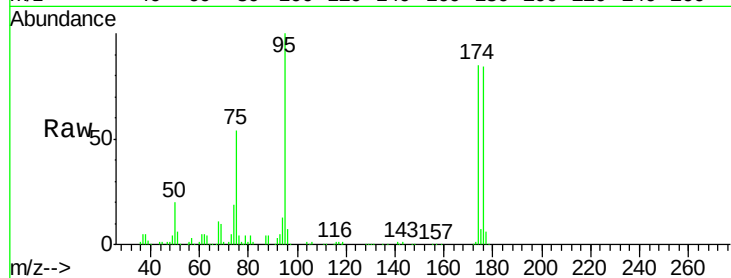




#62
4-Bromofluorobenzene
Concen: 43.185 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025257.D
Acq: 06 Jul 2018 22:07

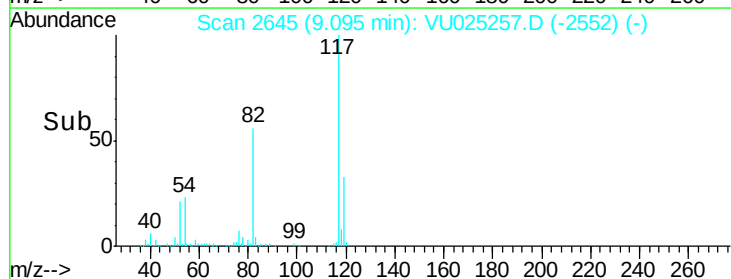
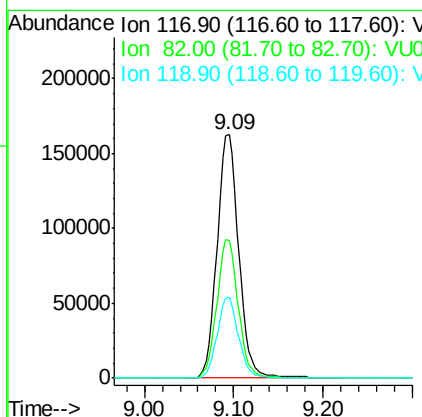
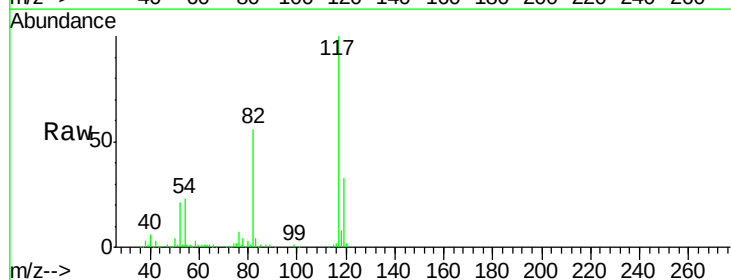
Instrument :
MSVOA_U
ClientSampleId :
S10-0151

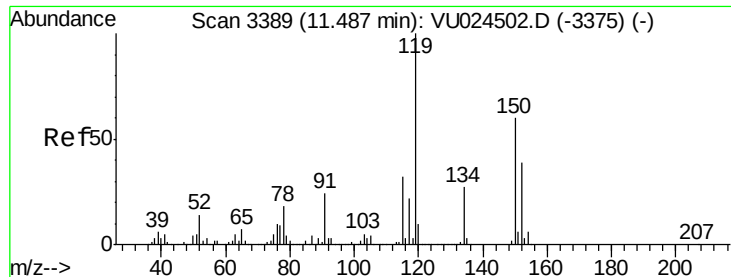
Tot Ion: 95 Resp: 154248
Ion Ratio Lower Upper
95 100
174 85.5 0.0 165.8
176 83.8 0.0 159.4



#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





#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 :

S10-0151

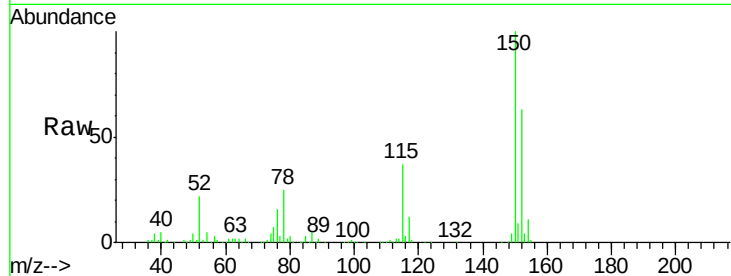
Tot Ion:152 Resp: 142063

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

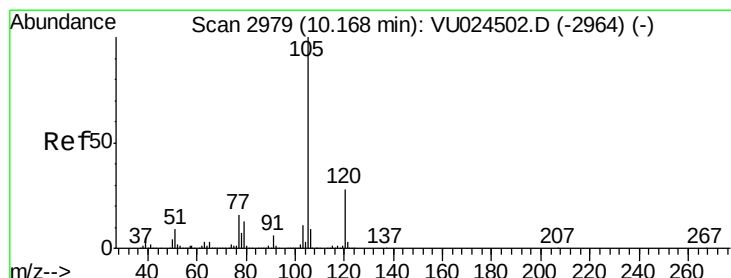
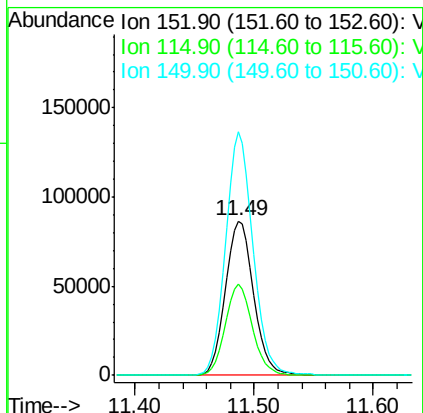
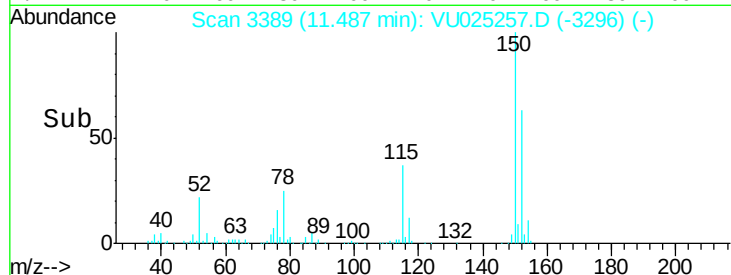
150 153.1 0.0 354.0



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

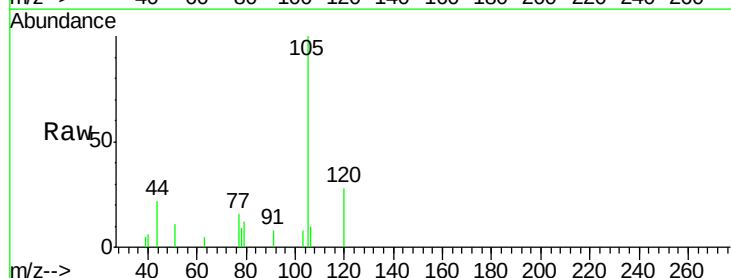
Acq: 06 Jul 2018 22:07

Tgt Ion:105 Resp: 3506

Ion Ratio Lower Upper

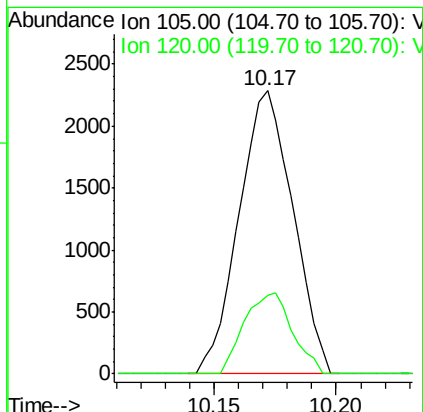
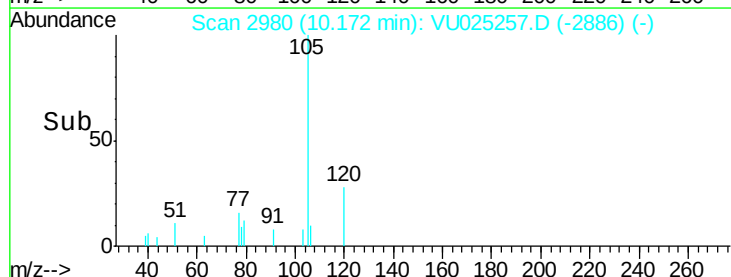
105 100

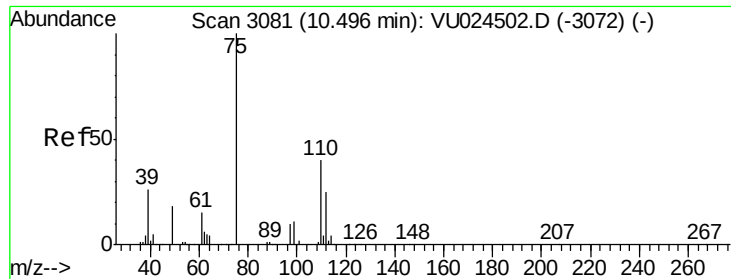
120 25.4 13.2 39.6



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

ClientSampled :

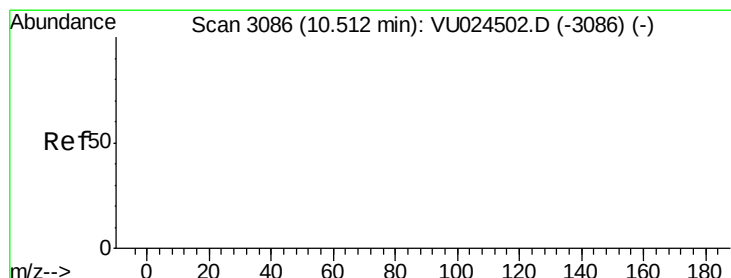
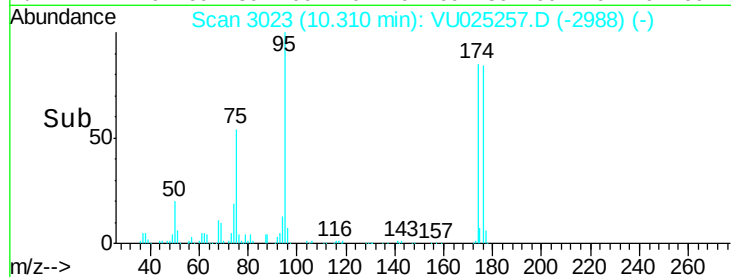
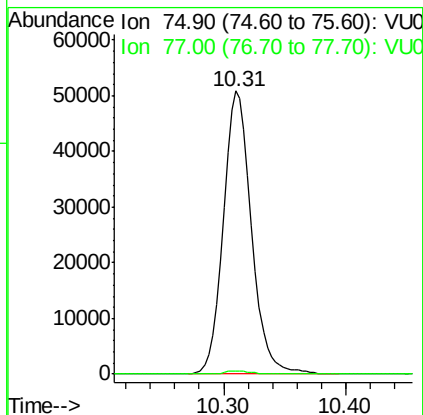
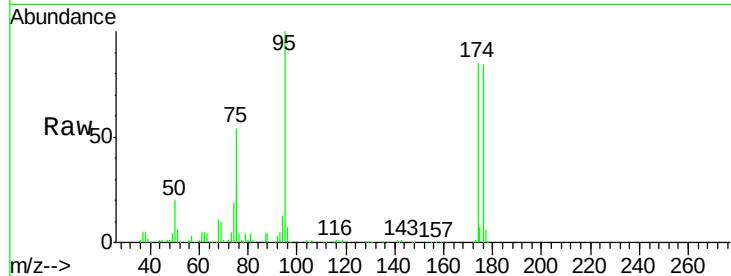
S10-0151

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

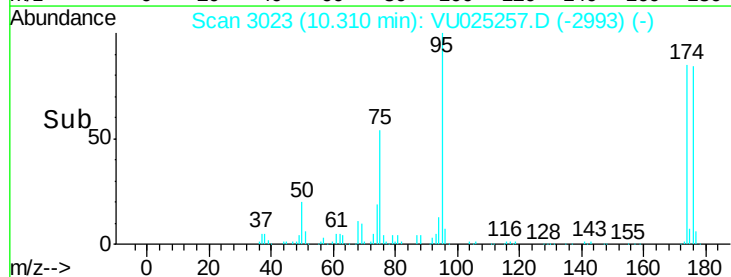
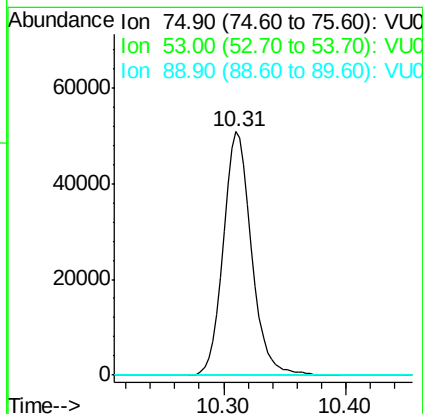
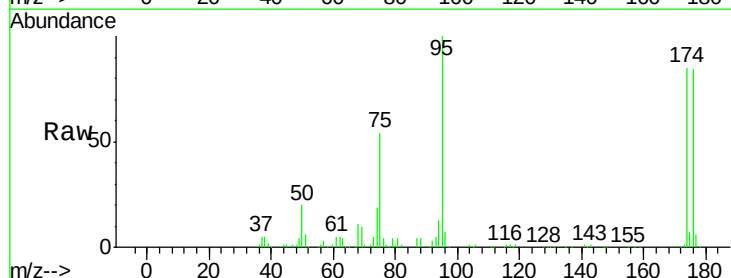
Tgt Ion: 75 Resp: 82407

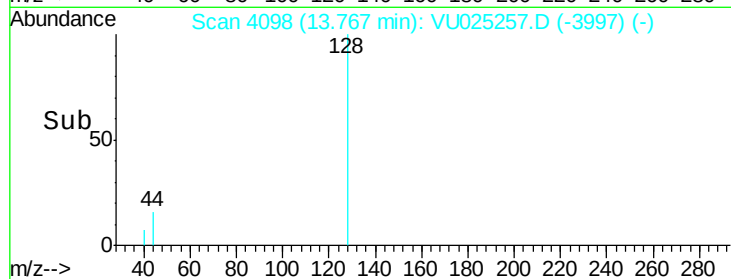
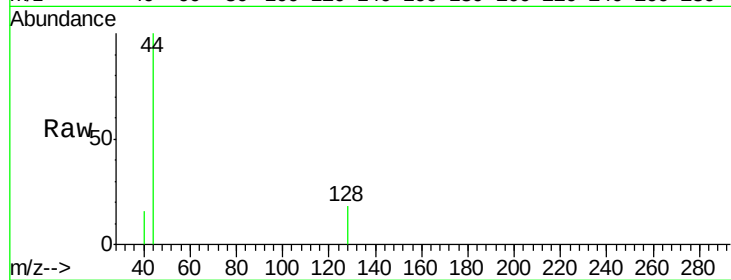
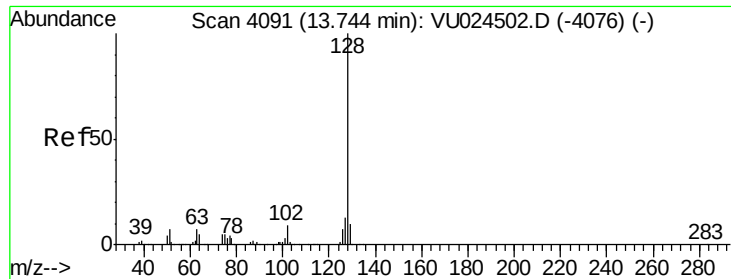
Ion Ratio Lower Upper

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 :

S10-0151

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#

