

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026979.D
 Acq On : 21 Sep 2018 20:05
 Operator : MD/SY
 Sample : J4916-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20180911

Quant Time: Sep 22 02:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157903	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76228	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	91177	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	4.88	113	68341	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	7.57	98	251902	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	85437	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

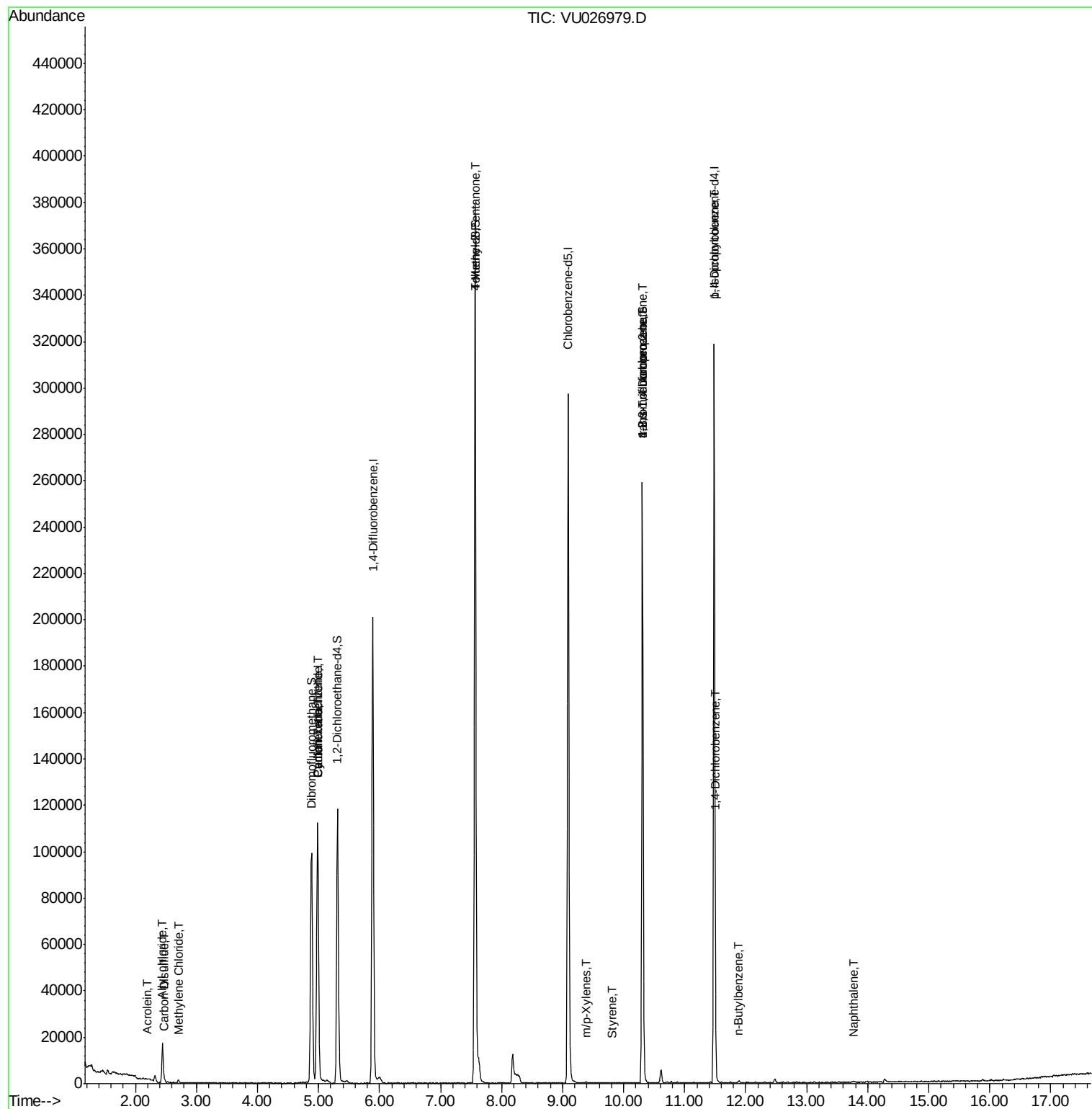
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.20	56	44	0.222	ug/l #	14
14) Allyl chloride	2.44	41	1751	0.783	ug/l #	71
16) Acetone	2.32	43	3001	Below Cal		96
17) Carbon Disulfide	2.48	76	837	0.233	ug/l #	75
20) Methylene Chloride	2.70	84	662	0.460	ug/l	90
31) Cyclohexane	4.99	56	1976	0.253	ug/l #	1
38) Carbon Tetrachloride	4.99	117	8148	4.063	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1206	0.431	ug/l #	1
68) m/p-Xylenes	9.39	106	136	1.549	ug/l #	71
70) Styrene	9.81	104	137	1.839	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	46932	20.266	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46932	64.855	ug/l #	100
86) p-Isopropyltoluene	11.48	119	187	0.961	ug/l #	1
88) 1,4-Dichlorobenzene	11.51	146	756	0.263	ug/l #	25
89) n-Butylbenzene	11.90	91	450	2.474	ug/l #	73
95) Naphthalene	13.75	128	506	1.767	ug/l #	69

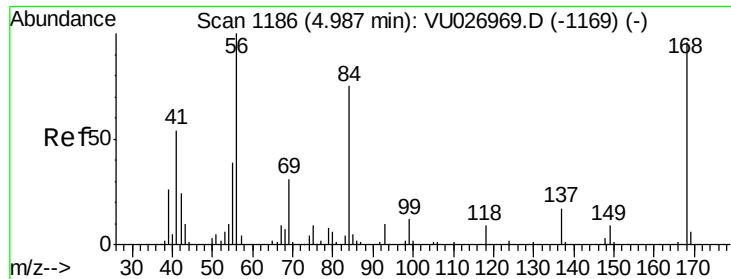
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

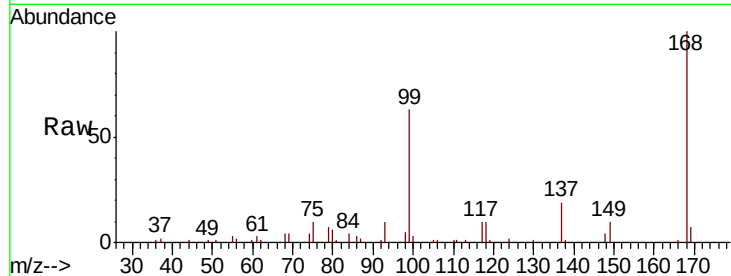
TB01-20180911

Tgt Ion:168 Resp: 79830

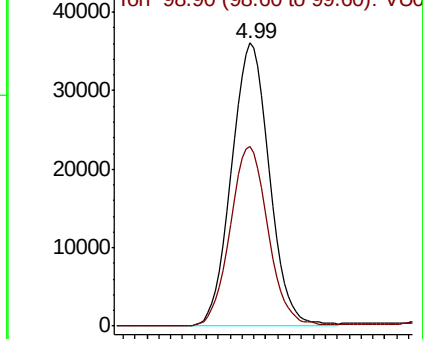
Ion Ratio Lower Upper

168 100

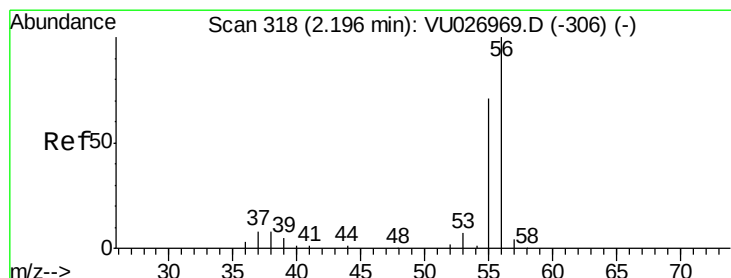
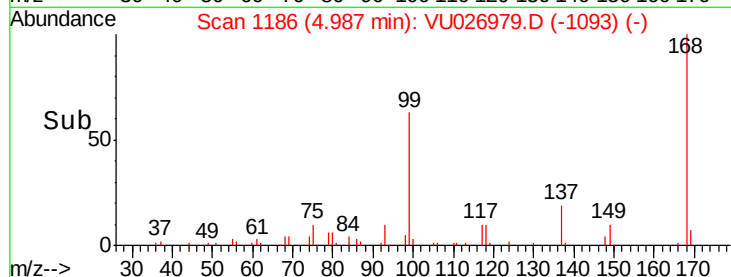
99 63.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026979.D (-1169) (-)



Time-->



#13

Acrolein

Concen: 0.222 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026979.D

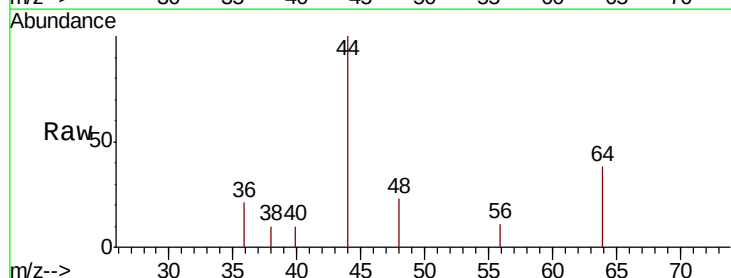
Acq: 21 Sep 2018 20:05

Tgt Ion: 56 Resp: 44

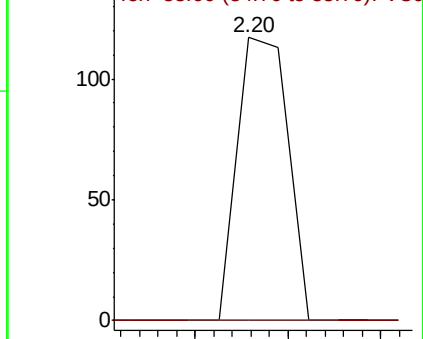
Ion Ratio Lower Upper

56 100

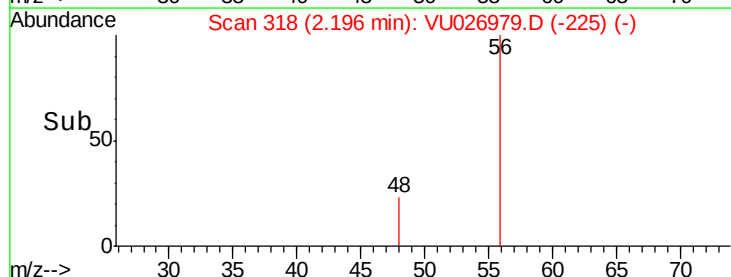
55 0.0 57.1 85.7#

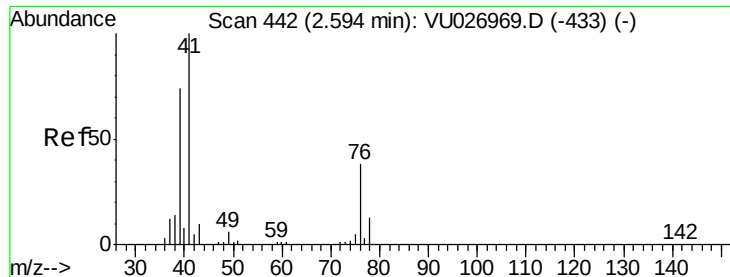


Abundance Ion 56.00 (55.70 to 56.70): VU026979.D (-306) (-)



Time-->

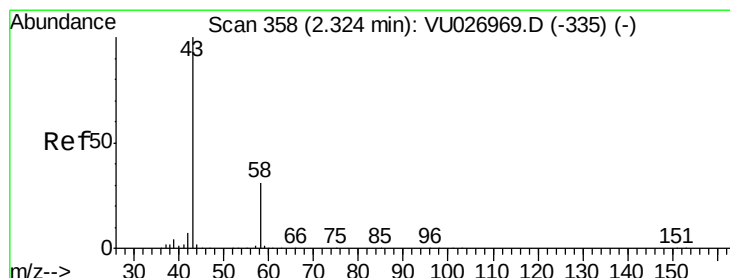
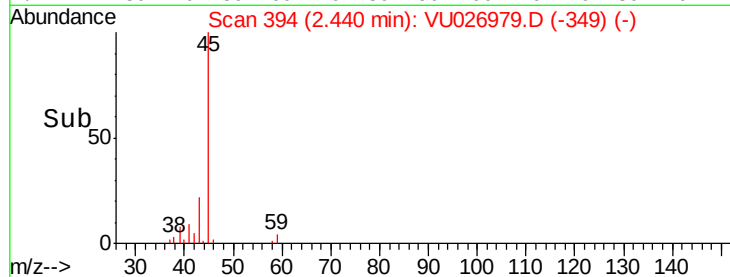
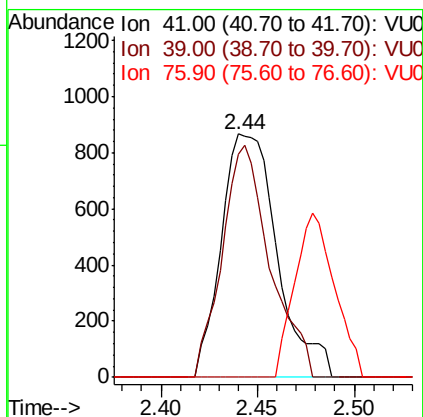
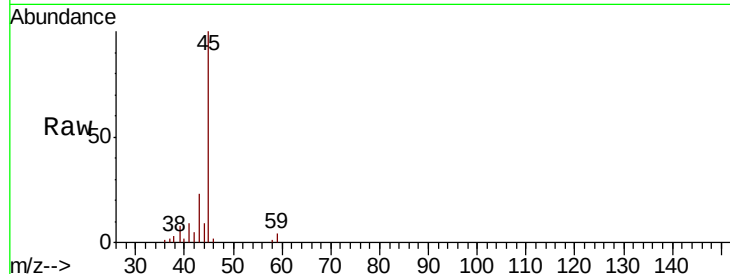




#14
 Allyl chloride
 Concen: 0.783 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

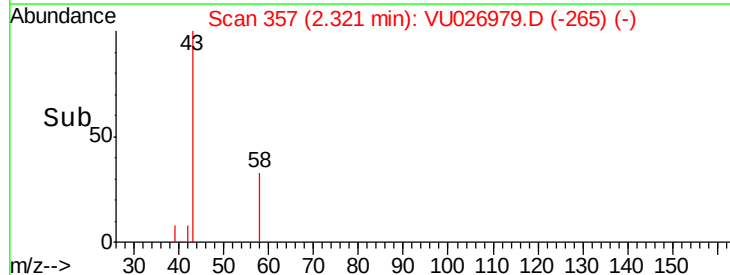
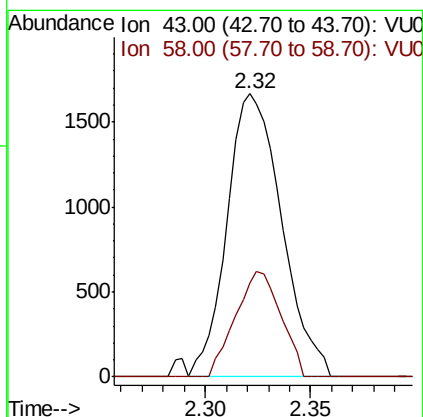
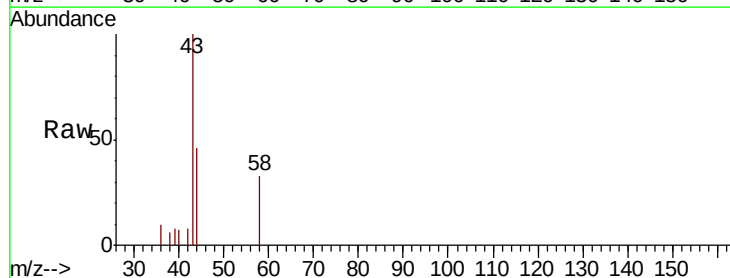
Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20180911

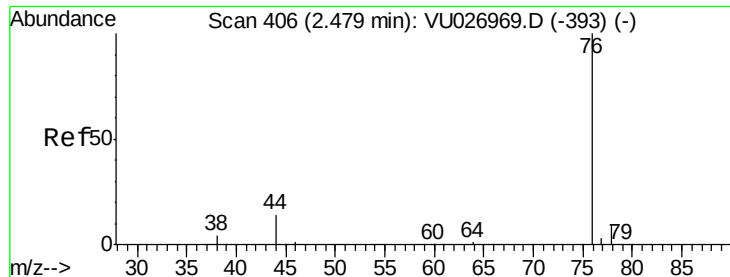
Tgt Ion: 41 Resp: 1751
 Ion Ratio Lower Upper
 41 100
 39 81.4 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

Tgt Ion: 43 Resp: 3001
 Ion Ratio Lower Upper
 43 100
 58 33.0 24.6 36.8





#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

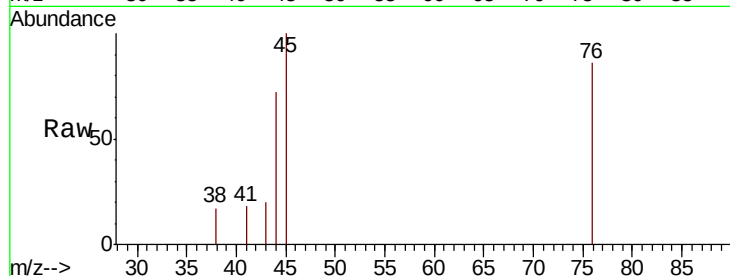
TB01-20180911

Tgt Ion: 76 Resp: 837

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

600

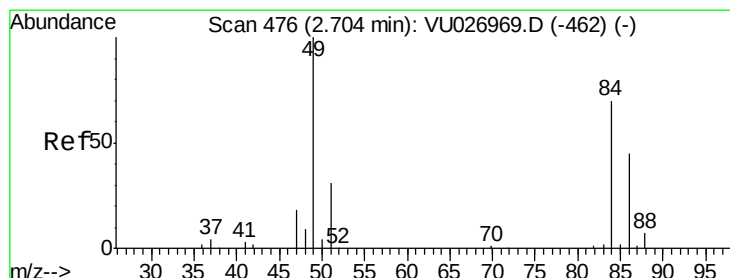
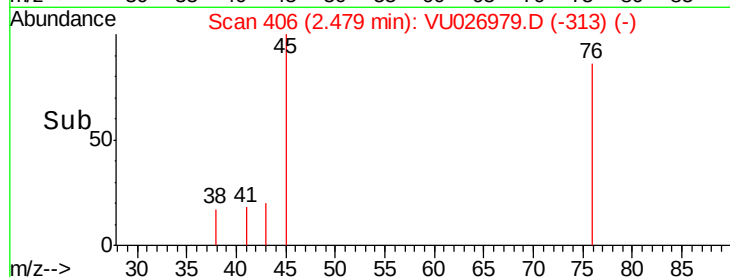
400

200

0

2.44 2.46 2.48 2.50 2.52

Time-->



#20

Methylene Chloride

Concen: 0.460 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Tgt Ion: 84 Resp: 662

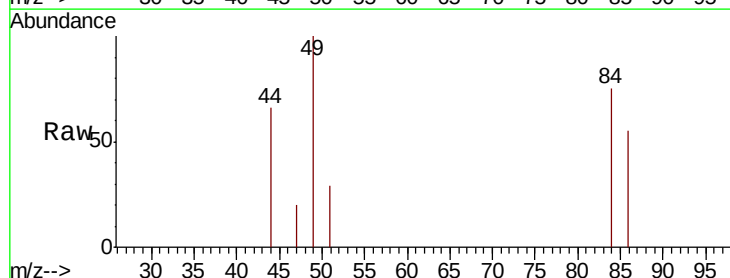
Ion Ratio Lower Upper

84 100

49 132.5 114.9 172.3

51 38.1 35.8 53.8

86 73.1 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

800

600

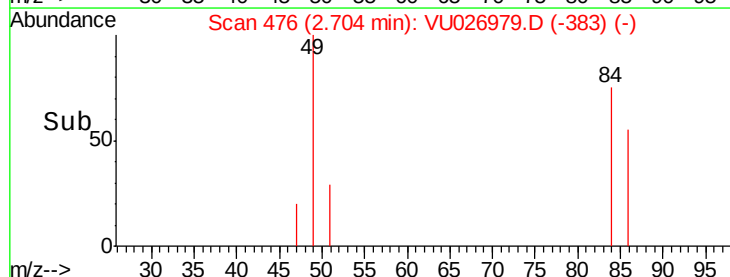
400

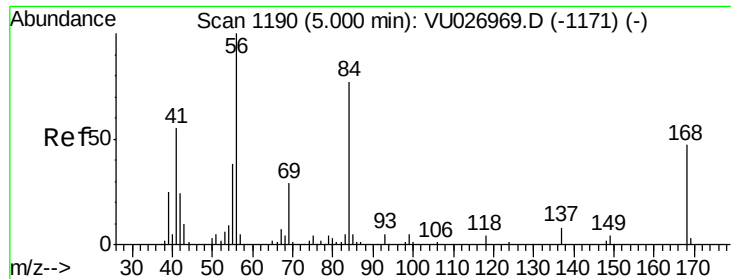
200

0

2.66 2.68 2.70 2.72 2.74

Time-->

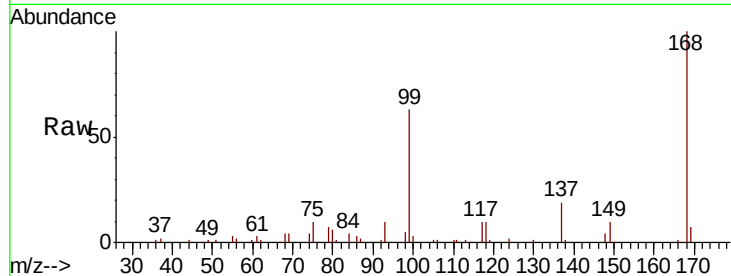




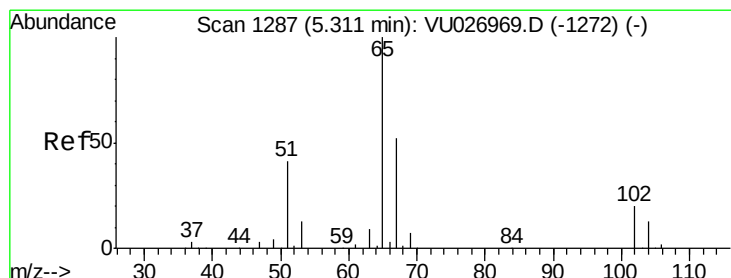
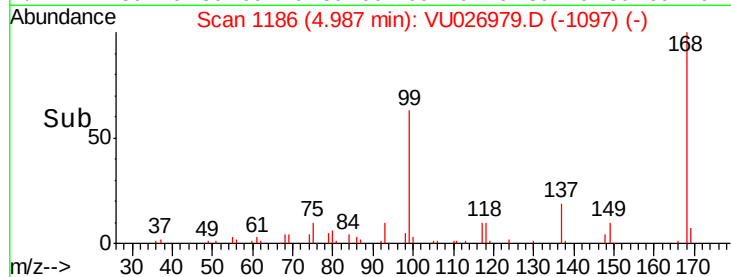
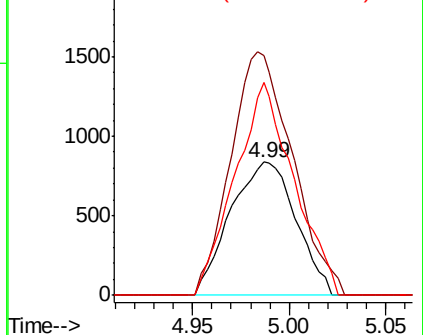
#31
Cyclohexane
Concen: 0.253 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU026979.D
Acq: 21 Sep 2018 20:05

Instrument :
MSVOA_U
ClientSampleId :
TB01-20180911

Tgt Ion: 56 Resp: 1976
Ion Ratio Lower Upper
56 100
69 179.5 23.0 34.4#
84 159.9 61.4 92.2#

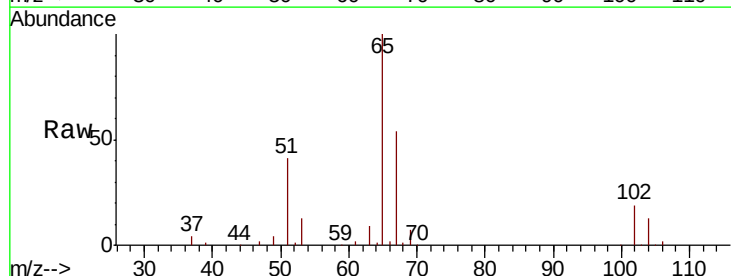


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

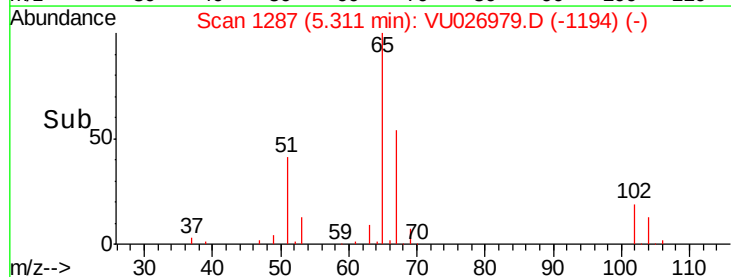
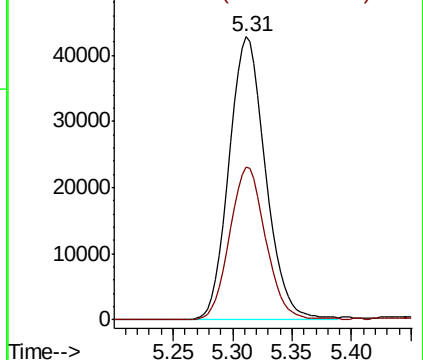


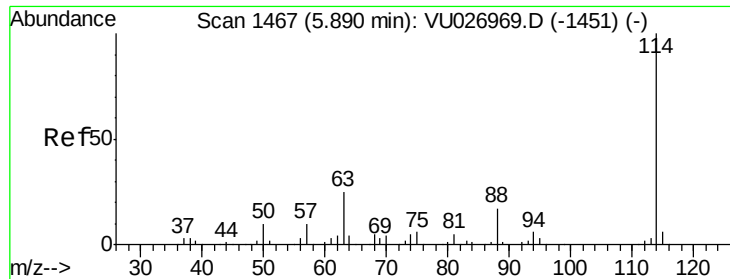
#33
1,2-Dichloroethane-d4
Concen: 56.748 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU026979.D
Acq: 21 Sep 2018 20:05

Tgt Ion: 65 Resp: 91177
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

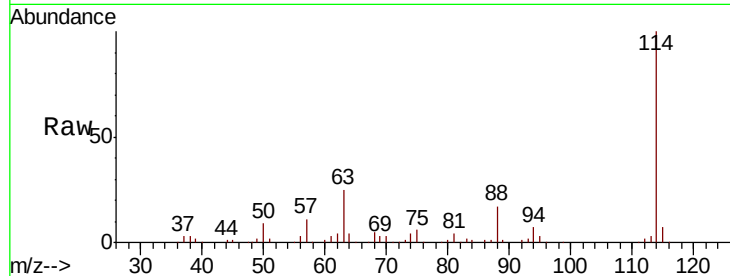




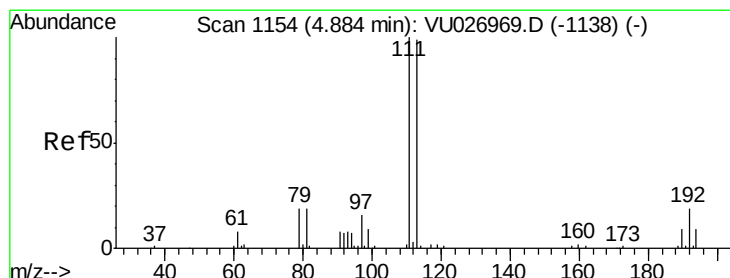
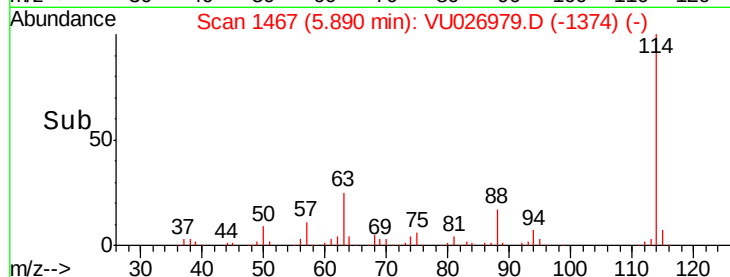
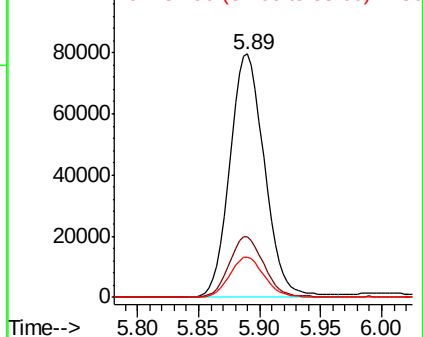
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20180911

Tgt Ion:114 Resp: 157903
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.5 0.0 33.8

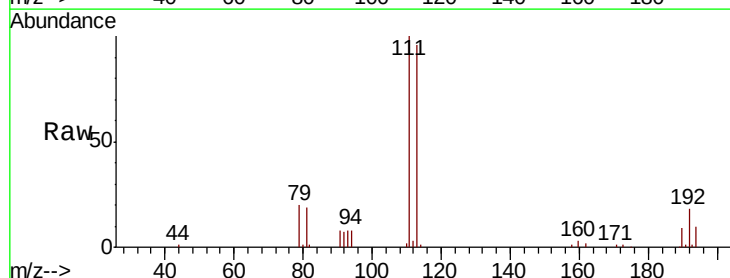


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

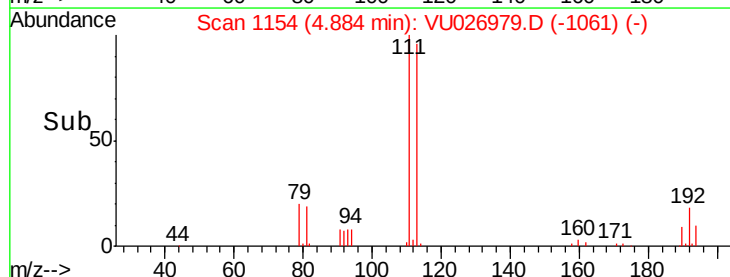
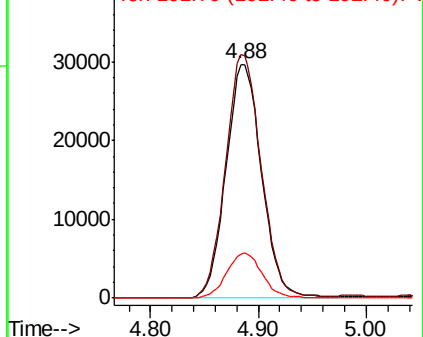


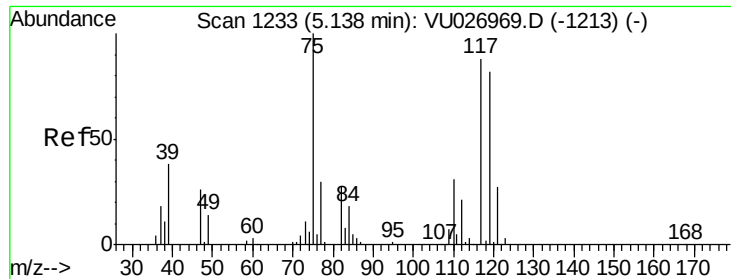
#35
 Dibromofluoromethane
 Concen: 49.931 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

Tgt Ion:113 Resp: 68341
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.4
 192 19.2 15.2 22.8



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





#38

Carbon Tetrachloride

Concen: 4.063 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

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ClientSampleId :

TB01-20180911

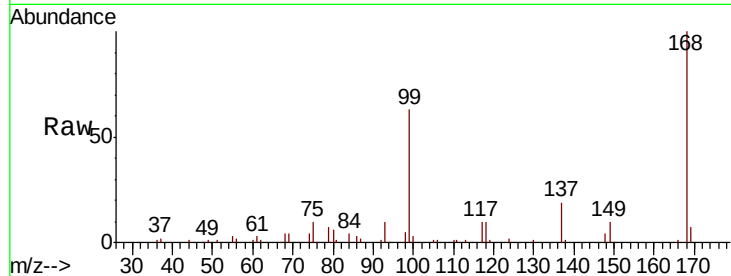
Tgt Ion:117 Resp: 8148

Ion Ratio Lower Upper

117 100

119 5.5 74.4 111.6#

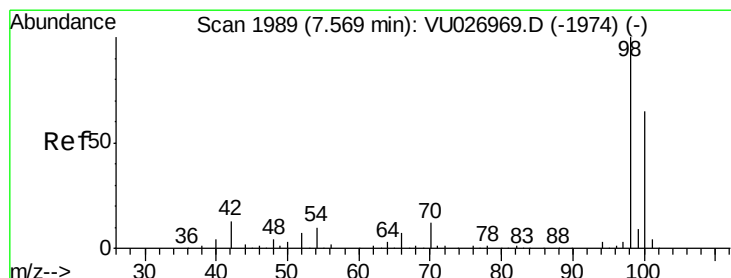
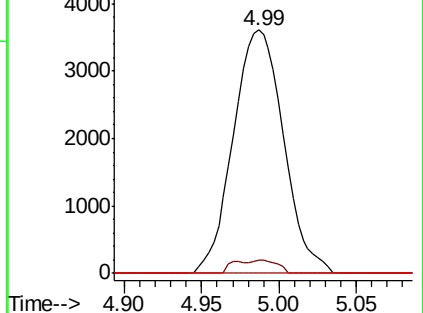
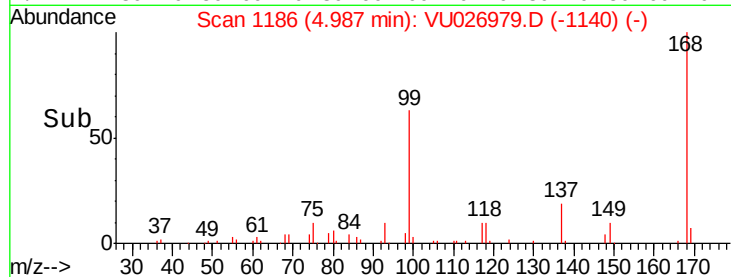
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 48.292 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026979.D

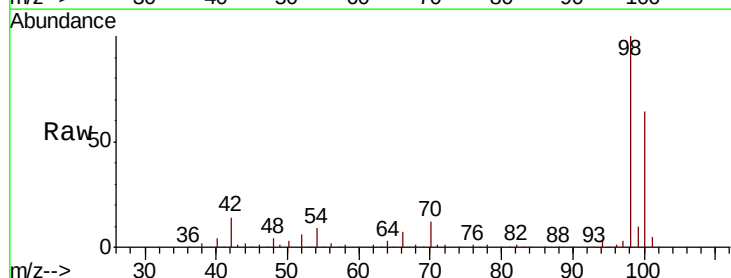
Acq: 21 Sep 2018 20:05

Tgt Ion: 98 Resp: 251902

Ion Ratio Lower Upper

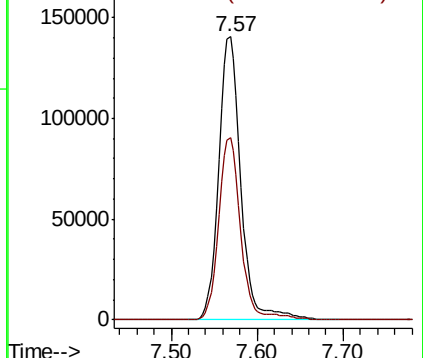
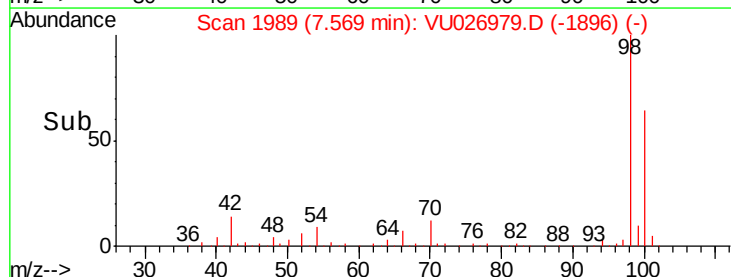
98 100

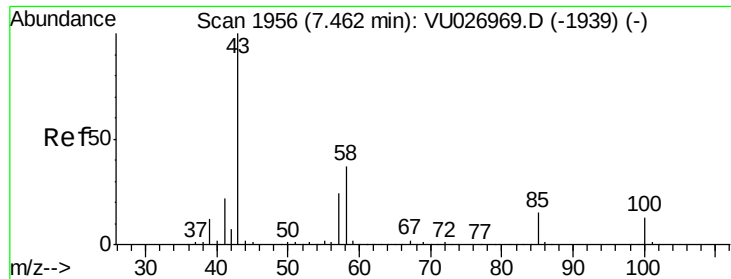
100 62.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.431 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

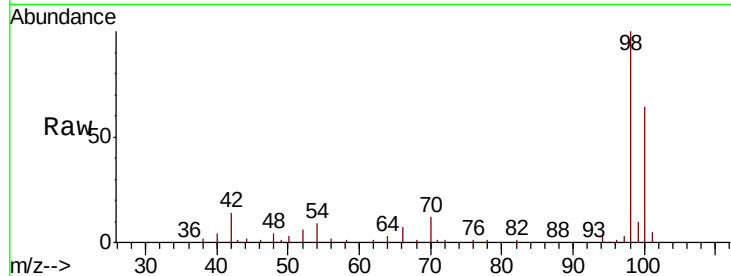
TB01-20180911

Tgt Ion: 43 Resp: 1206

Ion Ratio Lower Upper

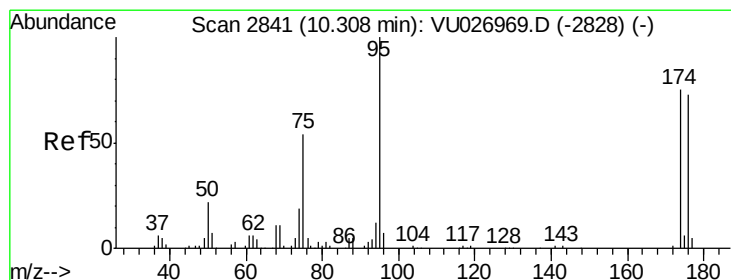
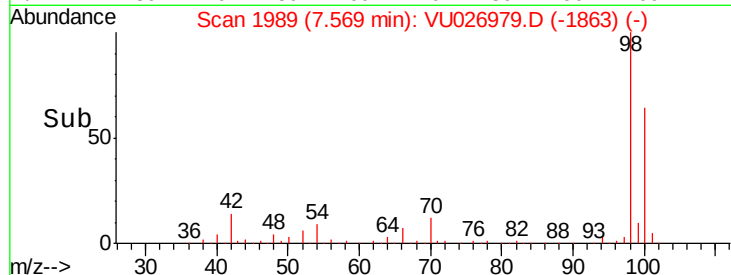
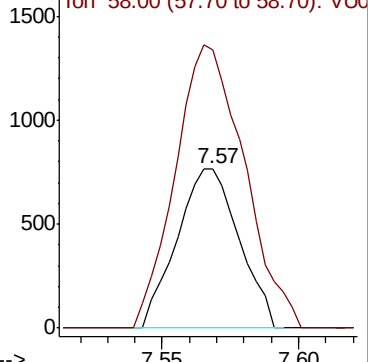
43 100

58 198.6 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 47.734 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

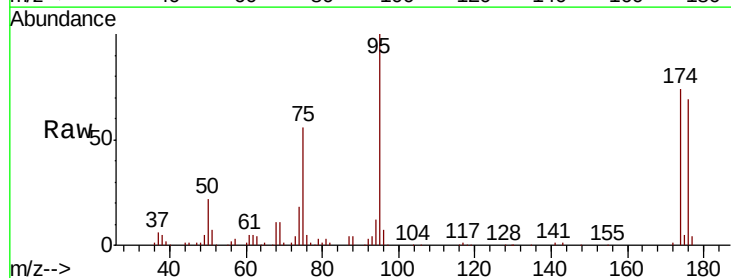
Tgt Ion: 95 Resp: 85437

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

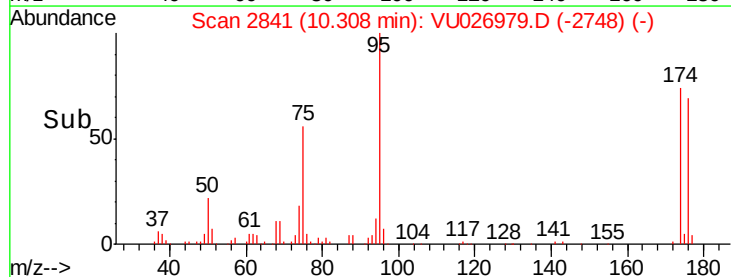
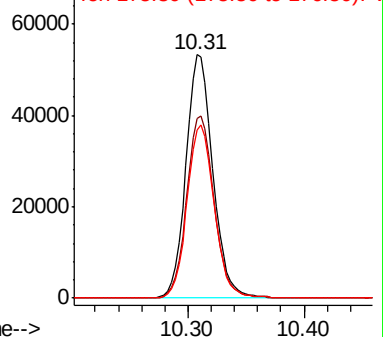
176 72.0 0.0 145.2

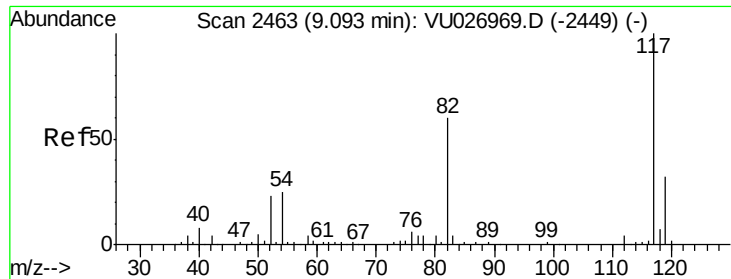


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

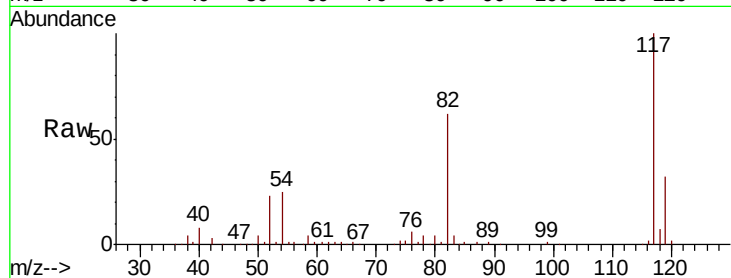




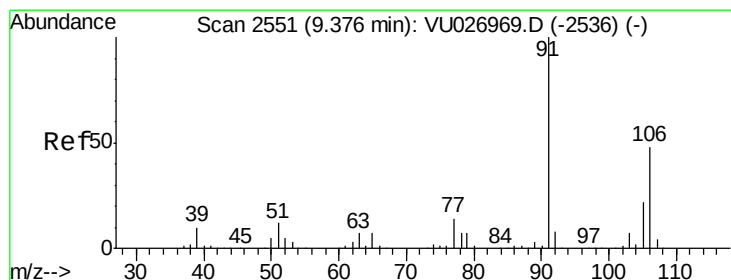
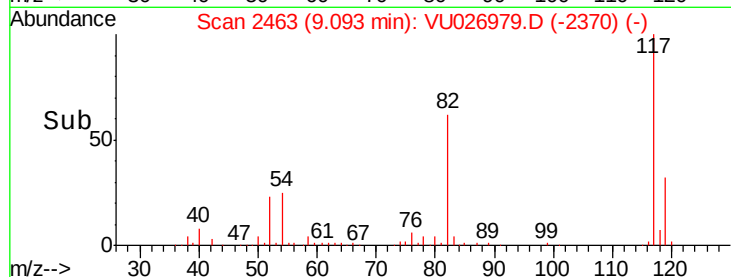
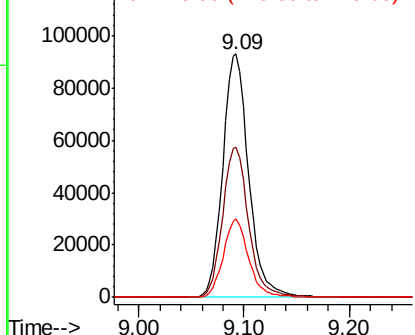
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026979.D
Acq: 21 Sep 2018 20:05

Instrument :
MSVOA_U
ClientSampleId :
TB01-20180911

Tgt Ion:117 Resp: 157918
Ion Ratio Lower Upper
117 100
82 61.9 48.0 72.0
119 32.0 25.8 38.8

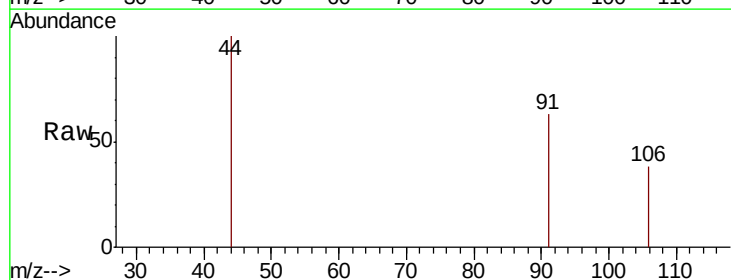


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

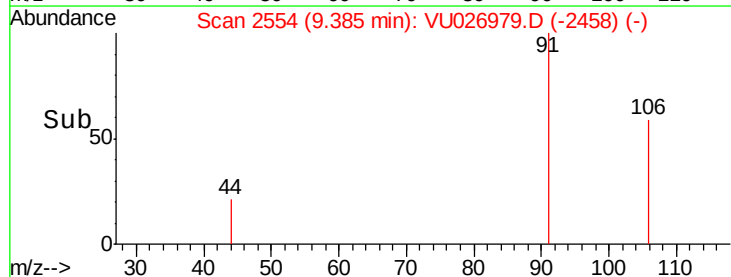
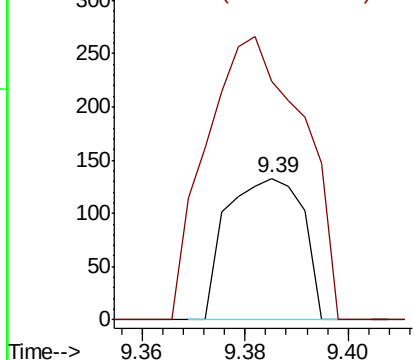


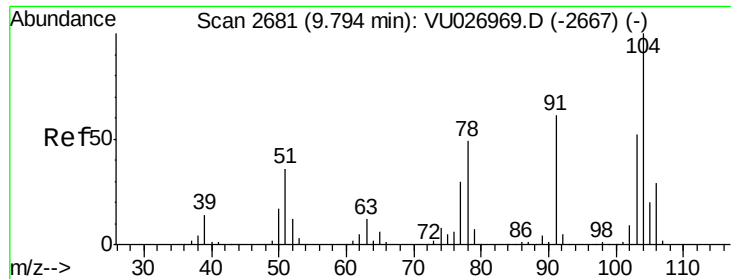
#68
m/p-Xylenes
Concen: 1.549 ug/l
RT: 9.39 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VU026979.D
Acq: 21 Sep 2018 20:05

Tgt Ion:106 Resp: 136
Ion Ratio Lower Upper
106 100
91 252.9 166.5 249.7#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#70

Styrene

Concen: 1.839 ug/l

RT: 9.81 min Scan# 2686

Delta R.T. 0.02 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

TB01-20180911

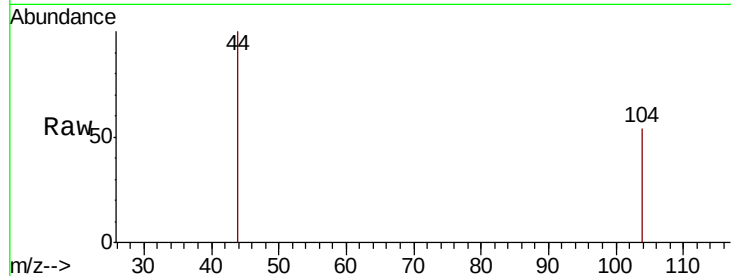
Tgt Ion:104 Resp: 137

Ion Ratio Lower Upper

104 100

78 0.0 43.0 64.4#

103 0.0 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

200

150

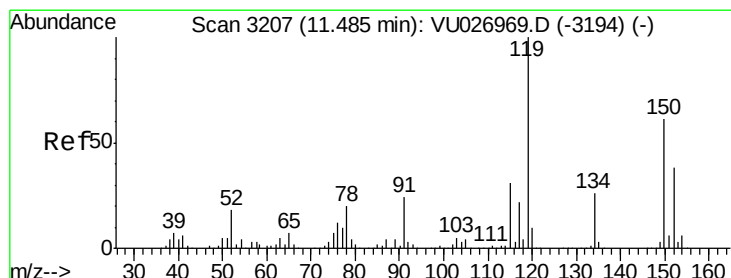
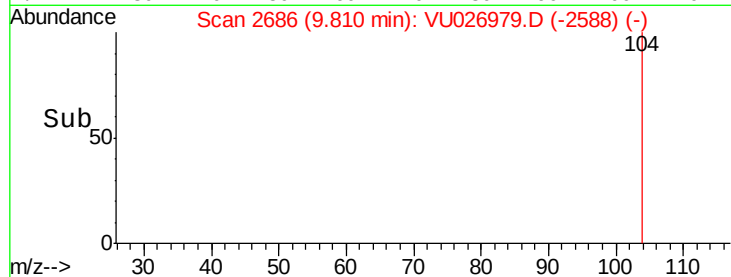
100

50

0

9.79 9.80 9.81 9.82

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

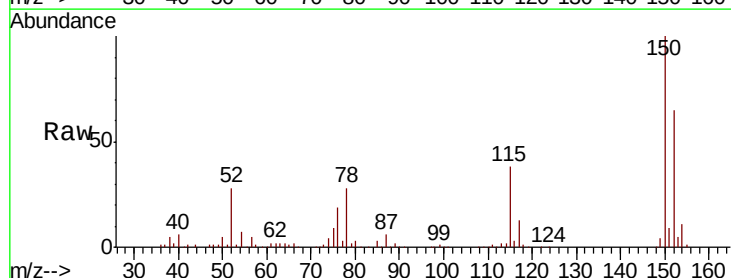
Tgt Ion:152 Resp: 76228

Ion Ratio Lower Upper

152 100

115 60.6 44.9 134.5

150 155.1 0.0 355.8



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

100000

80000

60000

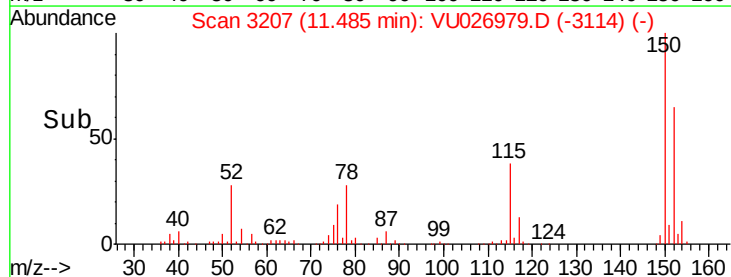
40000

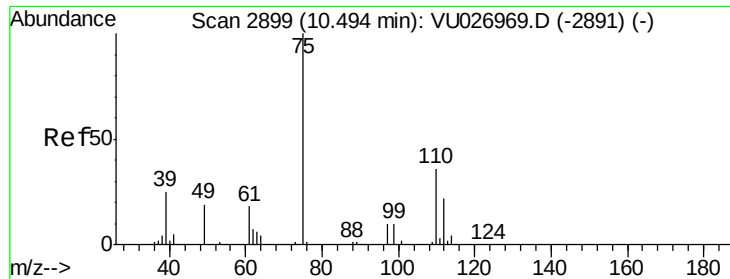
20000

0

11.40 11.50 11.60

Time-->





#76

1,2,3-Trichloropropane

Concen: 20.266 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

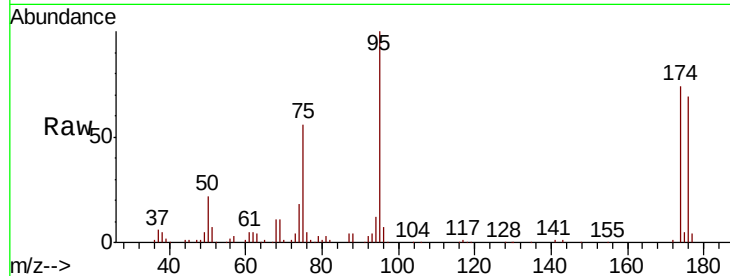
TB01-20180911

Tgt Ion: 75 Resp: 46932

Ion Ratio Lower Upper

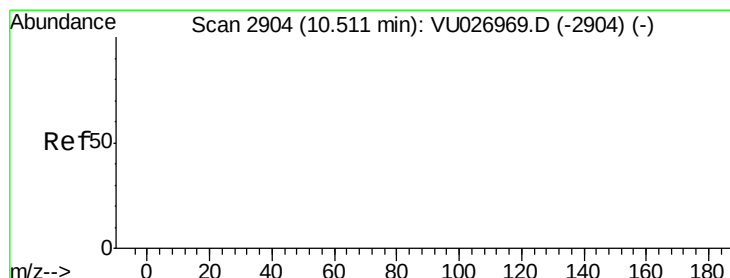
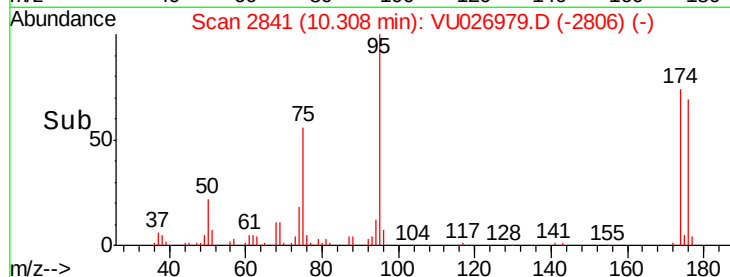
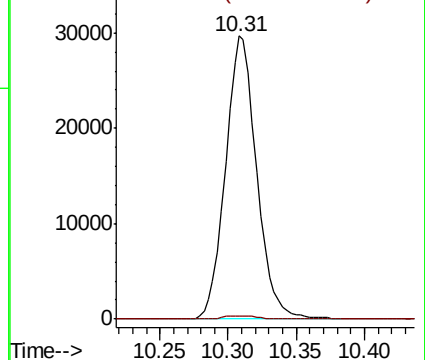
75 100

77 1.2 20.9 62.8#



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: 64.855 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

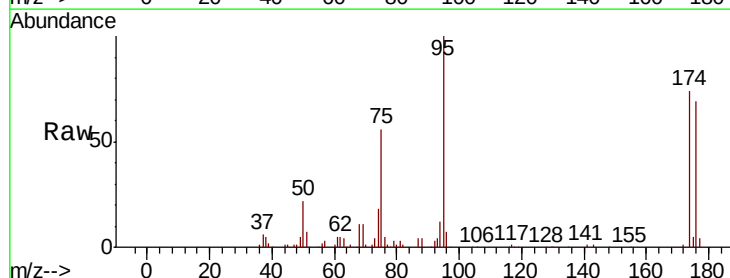
Tgt Ion: 75 Resp: 46932

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

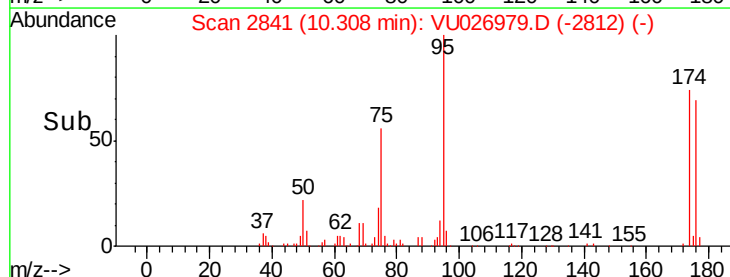
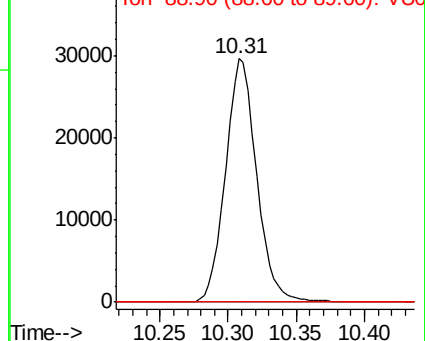
89 0.0 0.0 0.0

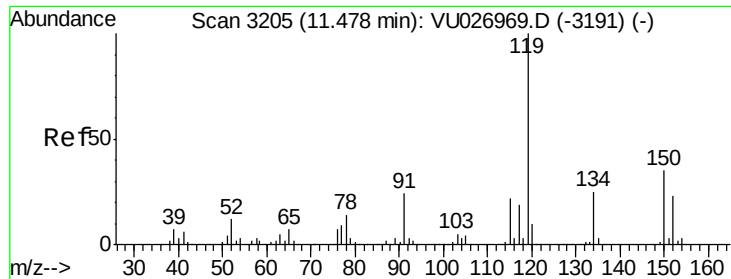


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

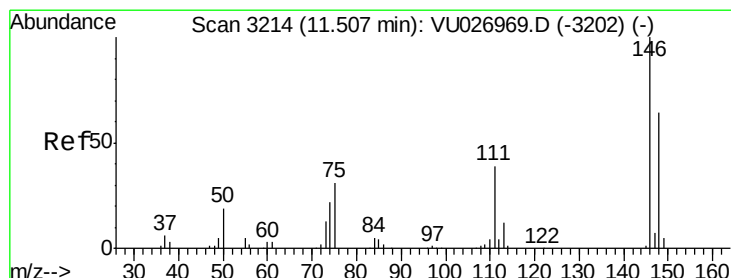
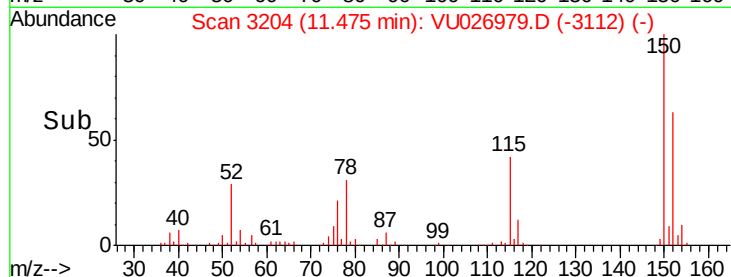
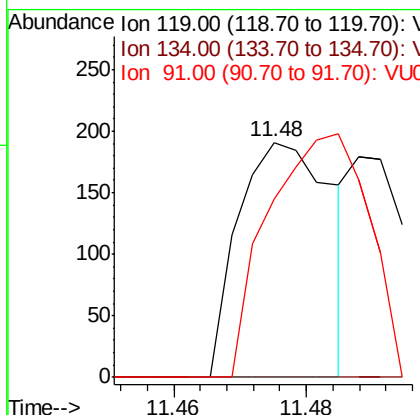
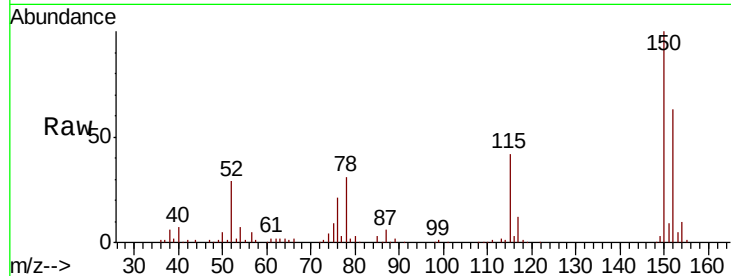




#86
 p-Isopropyltoluene
 Concen: 0.961 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

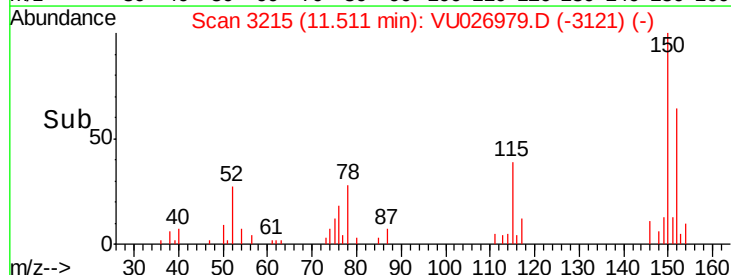
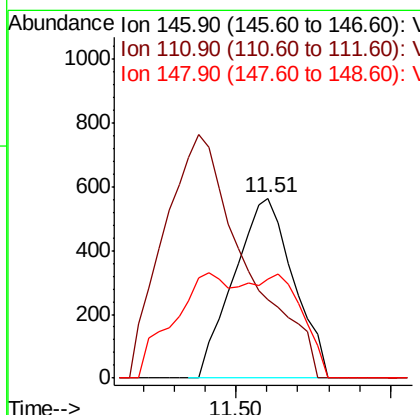
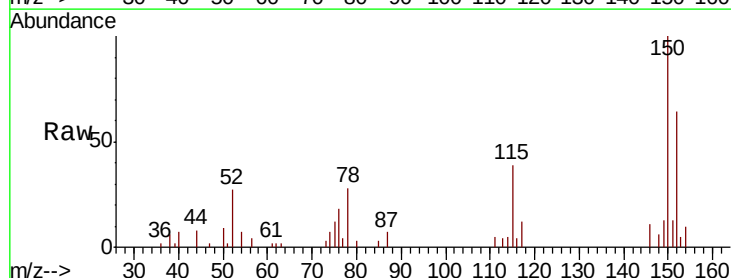
Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20180911

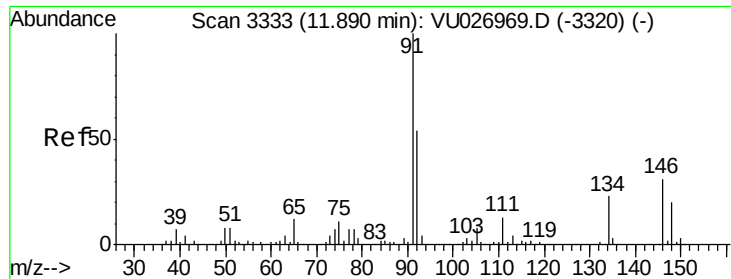
Tgt Ion:119 Resp: 187
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.8 38.3#
 91 111.2 12.3 36.8#



#88
 1,4-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

Tgt Ion:146 Resp: 756
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 60.9#
 148 0.0 31.9 95.9#





#89

n-Butylbenzene

Concen: 2.474 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

TB01-20180911

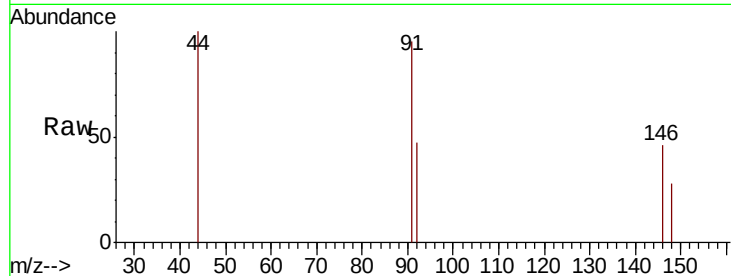
Tgt Ion: 91 Resp: 450

Ion Ratio Lower Upper

91 100

92 41.6 27.1 81.2

134 0.0 11.7 35.0#

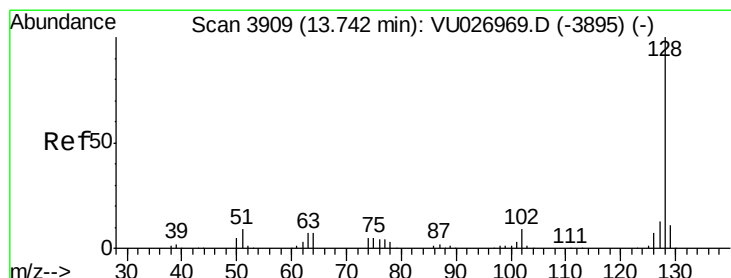
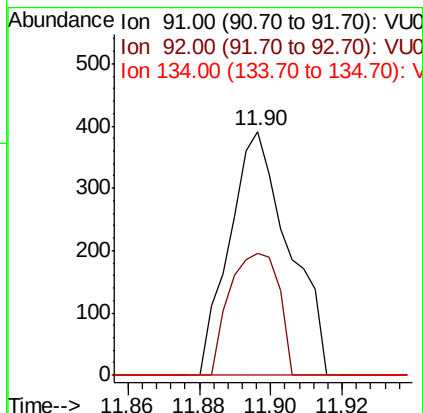
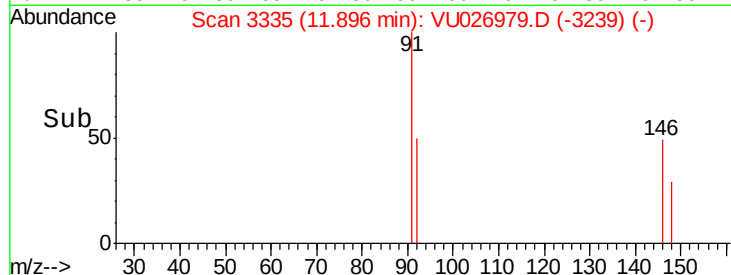


Abundance Ion 91.00 (90.70 to 91.70): VU026979.D (-3335) (-)

Ion 92.00 (91.70 to 92.70): VU026979.D (-3335) (-)

Ion 134.00 (133.70 to 134.70): VU026979.D (-3335) (-)

Time--> 11.86 11.88 11.90 11.92



#95

Naphthalene

Concen: 1.767 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

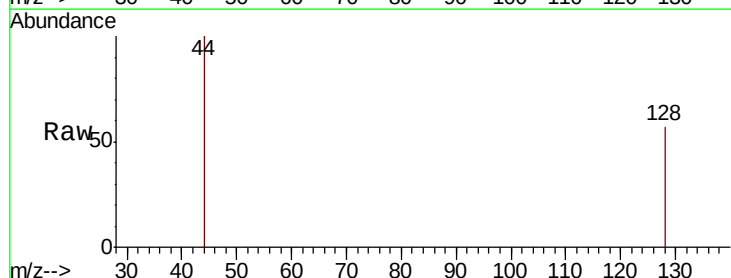
Tgt Ion: 128 Resp: 506

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU026979.D (-3913) (-)

Ion 127.00 (126.70 to 127.70): VU026979.D (-3913) (-)

Ion 129.00 (128.70 to 129.70): VU026979.D (-3913) (-)

Time--> 13.72 13.74 13.76 13.78

