

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027143.D
 Acq On : 25 Sep 2018 22:13
 Operator : MD/SY
 Sample : J4980-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-TB03-20180916

Quant Time: Sep 26 06:01:43 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	92496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156523	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66219	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	99345	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
35) Dibromofluoromethane	4.89	113	67743	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	7.57	98	251102	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	77802	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

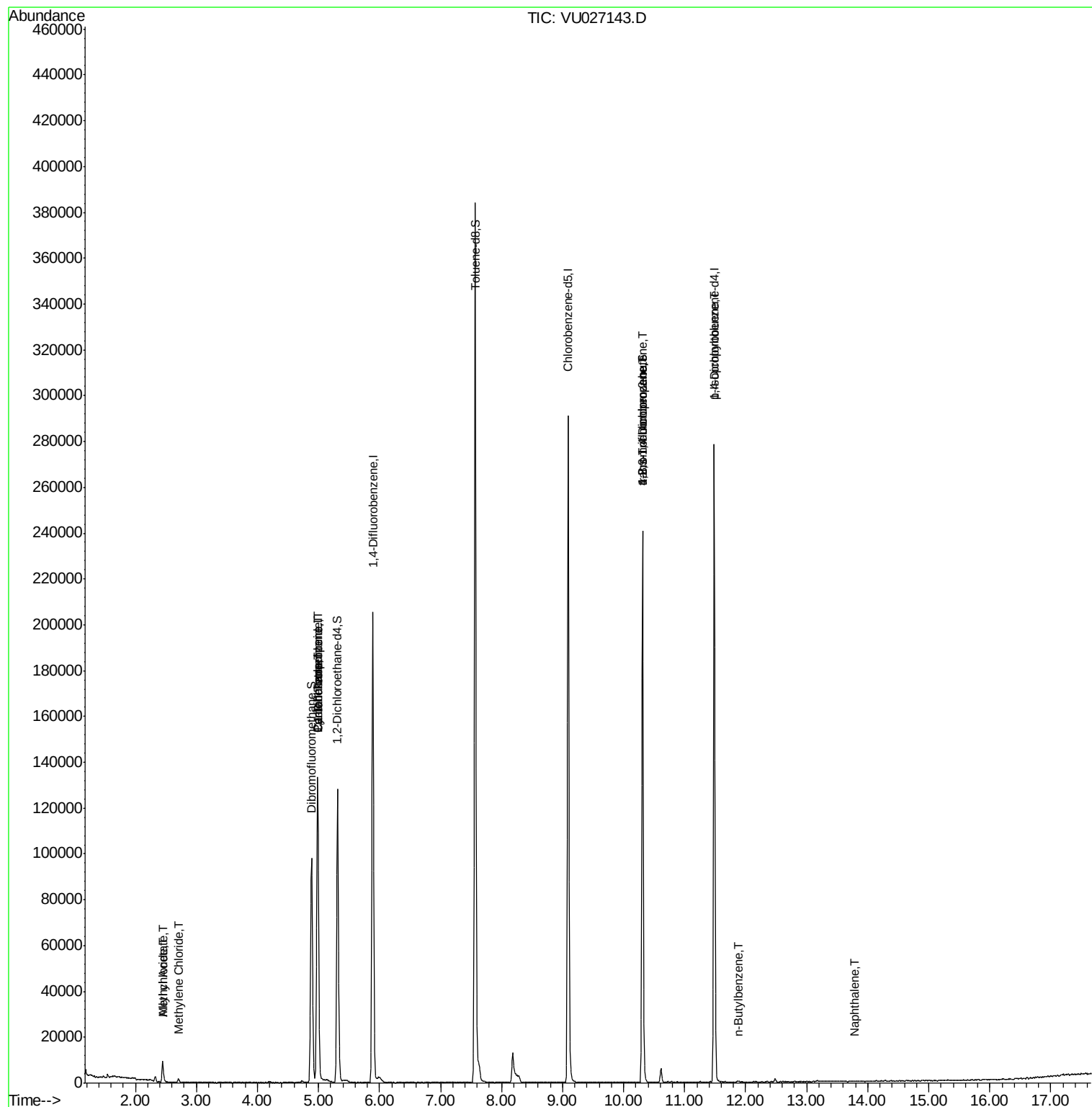
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	2.45	41	859	0.332	ug/l #	66
16) Acetone	2.33	43	2635	Below Cal		93
18) Methyl Acetate	2.45	43	2268	0.856	ug/l #	55
20) Methylene Chloride	2.70	84	648	0.389	ug/l	96
31) Cyclohexane	4.99	56	2445	0.310	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8982	4.300	ug/l #	48
38) Carbon Tetrachloride	4.99	117	9746	4.903	ug/l #	18
76) 1,2,3-Trichloropropane	10.31	75	43239	21.494	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43239	68.783	ug/l #	100
86) p-Isopropyltoluene	11.48	119	71	0.942	ug/l #	1
89) n-Butylbenzene	11.89	91	68	2.407	ug/l #	33
95) Naphthalene	13.77	128	95	1.706	ug/l #	69

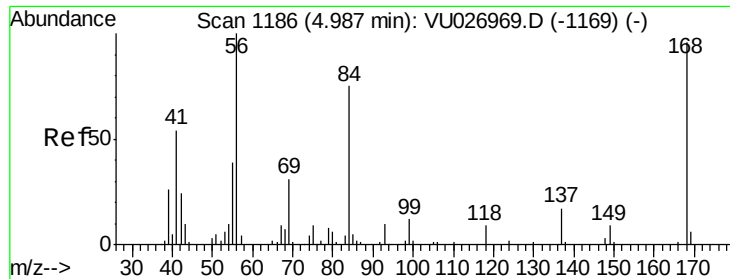
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

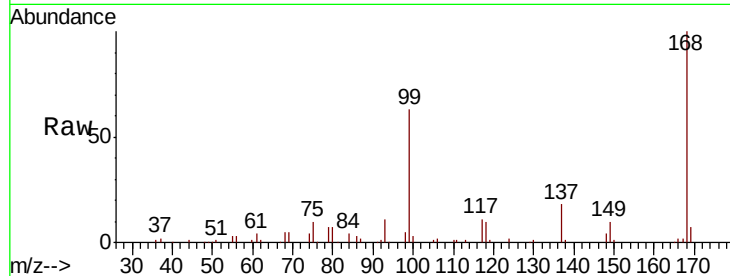
BP-TT-TB03-20180916

Tot Ion:168 Resp: 92496

Ion Ratio Lower Upper

168 100

99 62.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

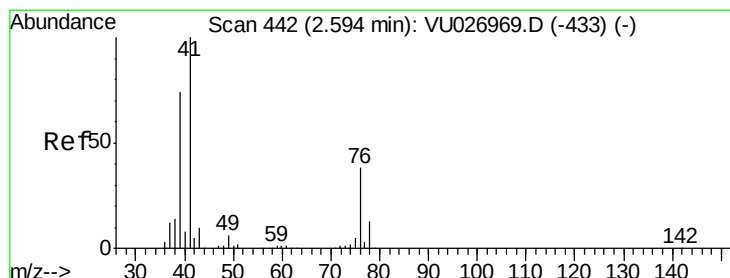
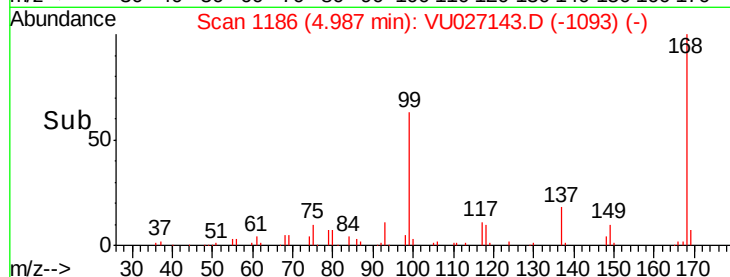
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#14

Allyl chloride

Concen: 0.332 ug/l

RT: 2.45 min Scan# 397

Delta R.T. -0.14 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

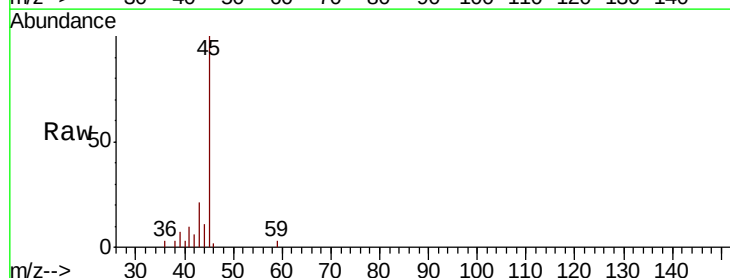
Tgt Ion: 41 Resp: 859

Ion Ratio Lower Upper

41 100

39 88.2 55.7 83.5#

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.45

600

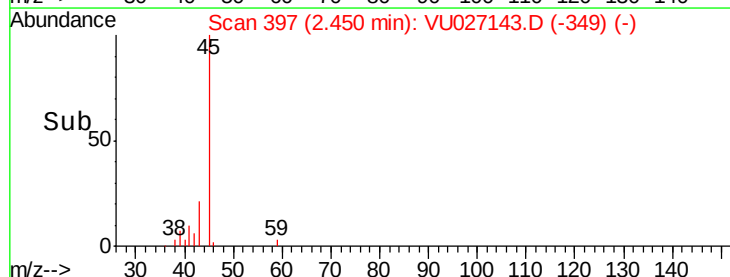
400

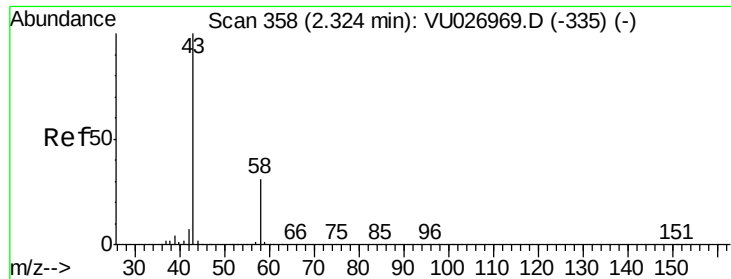
200

0

2.40 2.45

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

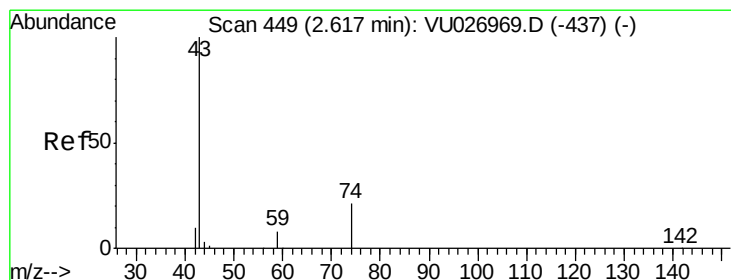
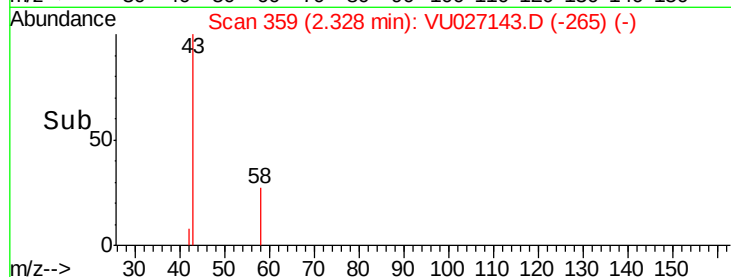
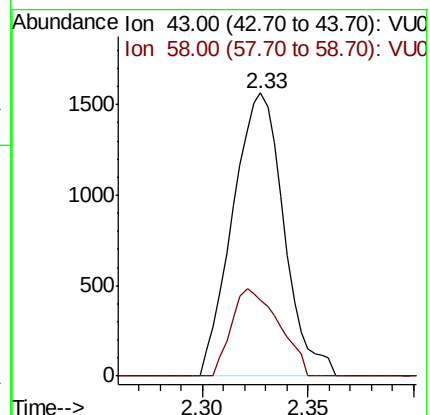
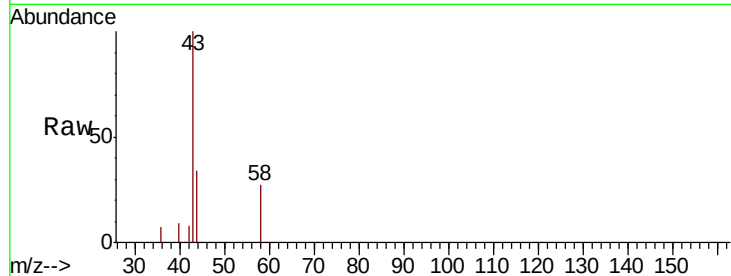
BP-TT-TB03-20180916

Tot Ion: 43 Resp: 2635

Ion Ratio Lower Upper

43 100

58 26.7 24.6 36.8



#18

Methyl Acetate

Concen: 0.856 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027143.D

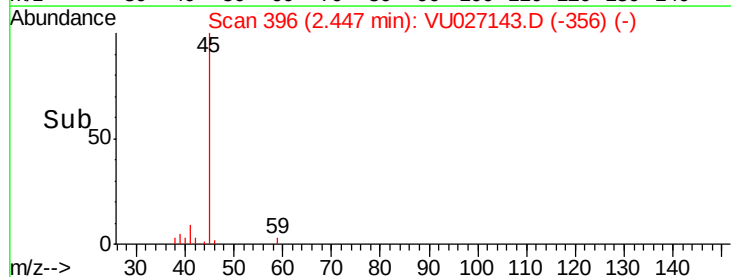
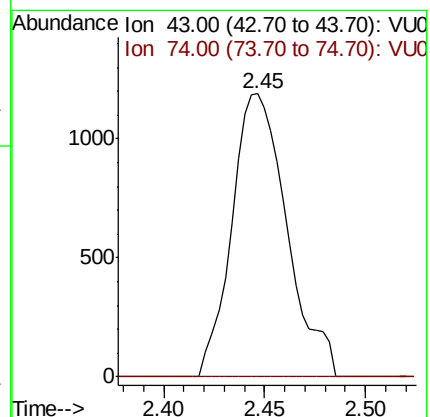
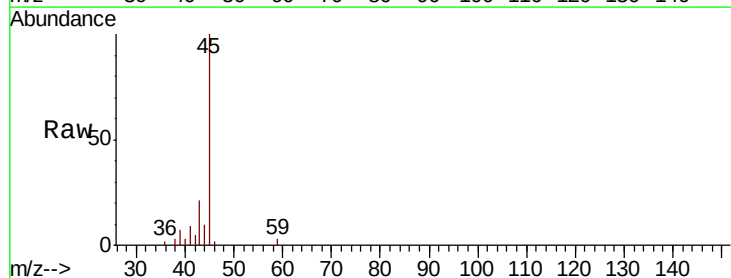
Acq: 25 Sep 2018 22:13

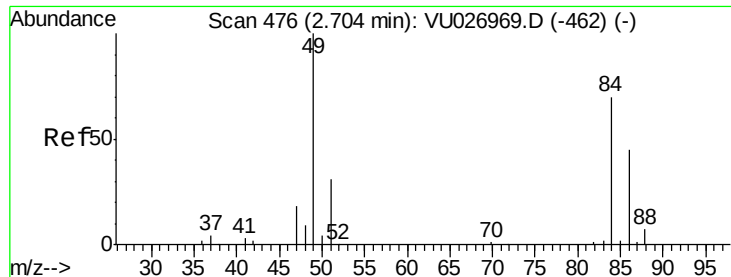
Tgt Ion: 43 Resp: 2268

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#20

Methylene Chloride

Concen: 0.389 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB03-20180916

Tot Ion: 84 Resp: 648

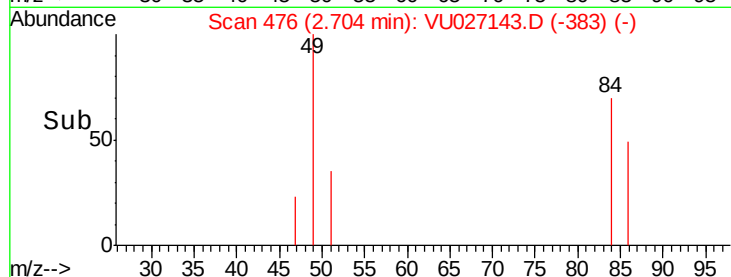
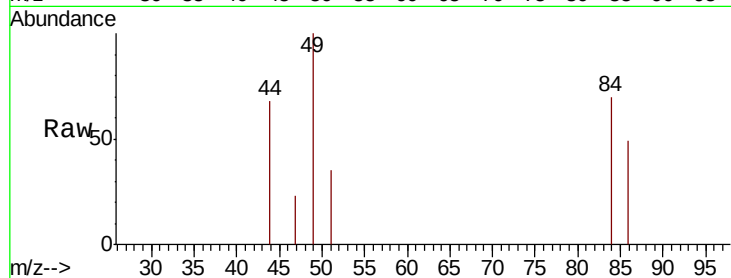
Ion Ratio Lower Upper

84 100

49 143.4 114.9 172.3

51 50.0 35.8 53.8

86 70.6 51.3 76.9

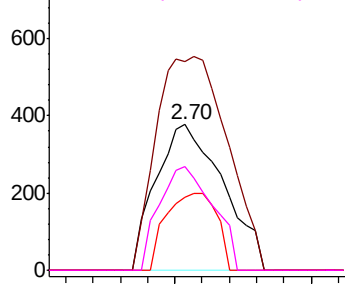


Abundance Ion 83.90 (83.60 to 84.60): VU0

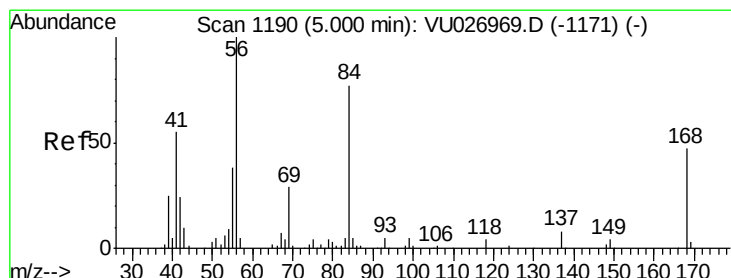
Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



Time-->



#31

Cyclohexane

Concen: 0.310 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

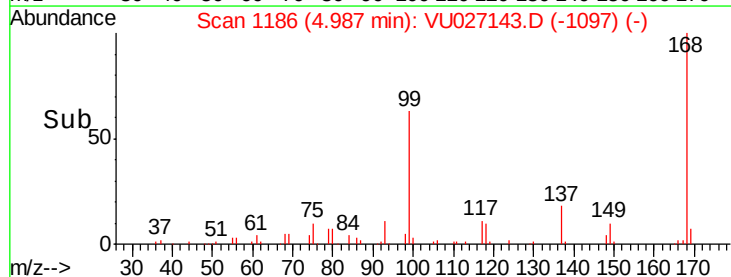
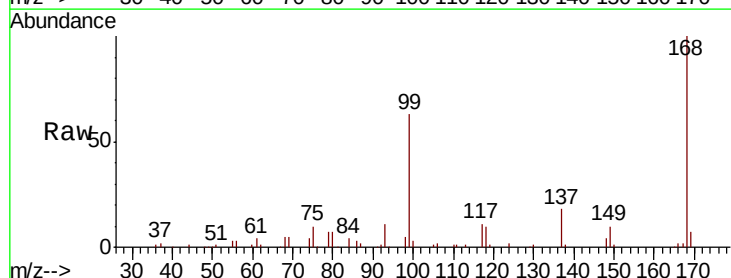
Tgt Ion: 56 Resp: 2445

Ion Ratio Lower Upper

56 100

69 189.9 23.0 34.4#

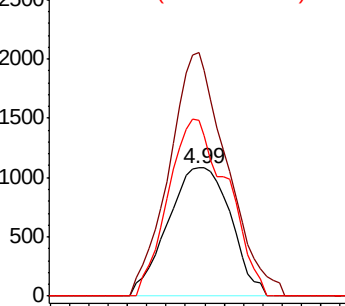
84 137.2 61.4 92.2#



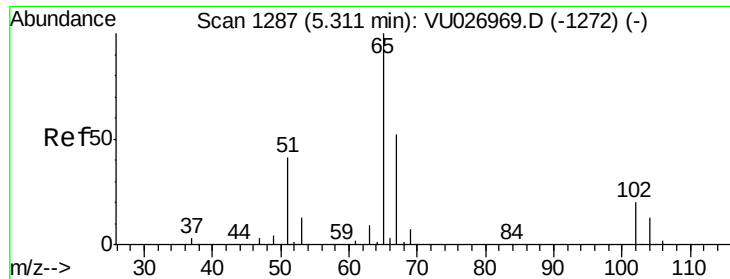
Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



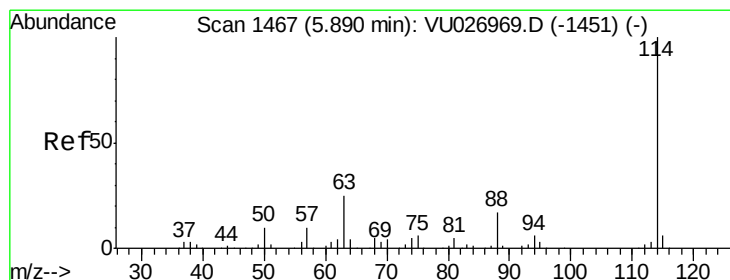
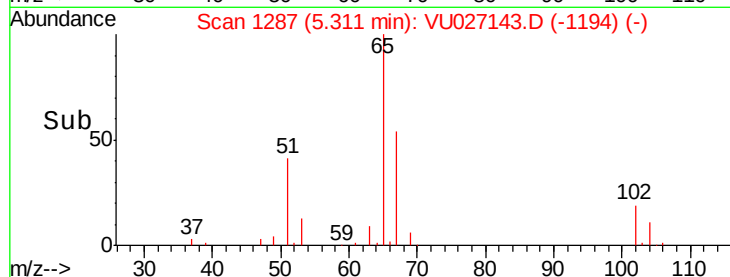
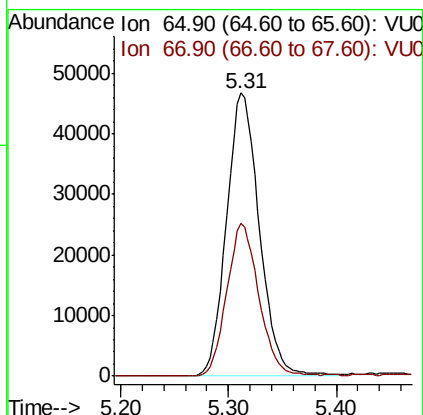
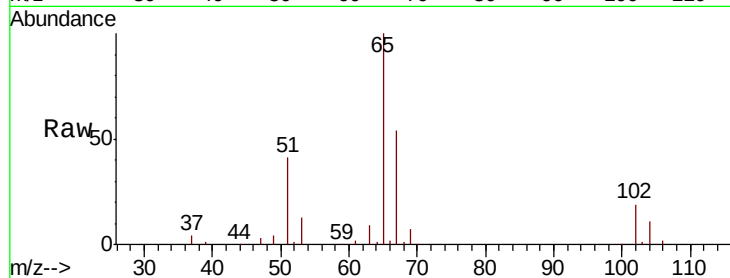
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 53.364 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027143.D
 Acq: 25 Sep 2018 22:13

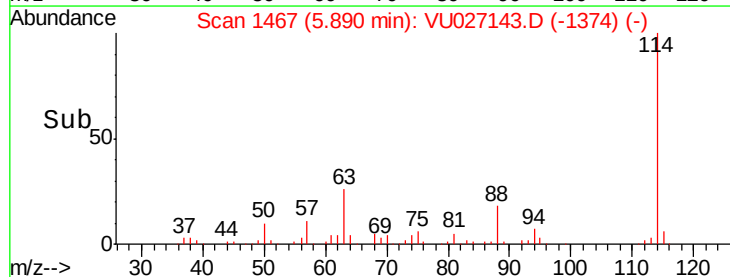
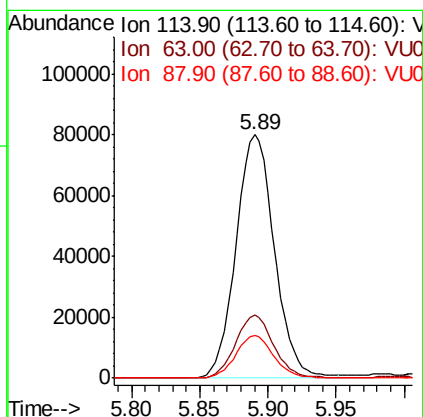
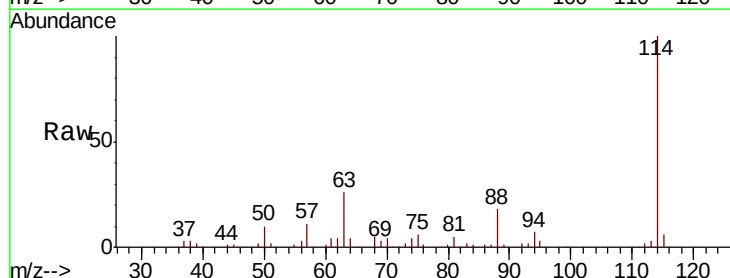
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-TB03-20180916

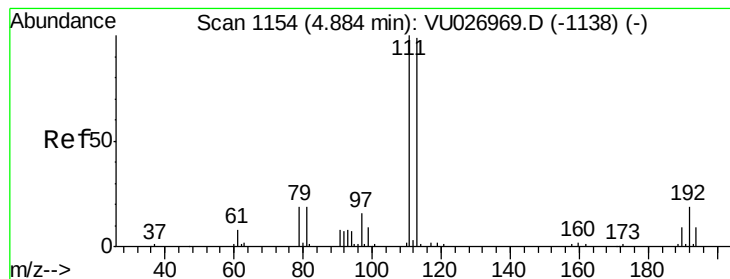
Tot Ion: 65 Resp: 99345
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027143.D
 Acq: 25 Sep 2018 22:13

Tgt Ion: 114 Resp: 156523
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 49.2
 88 17.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.931 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB03-20180916

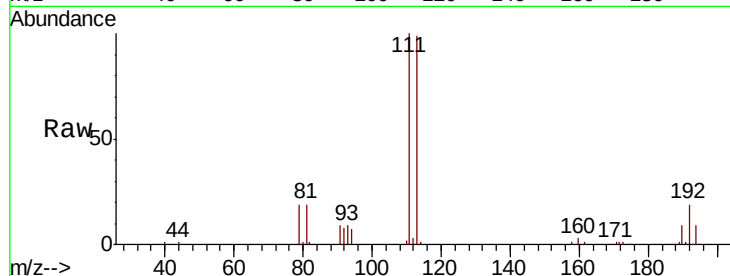
Tot Ion:113 Resp: 67743

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

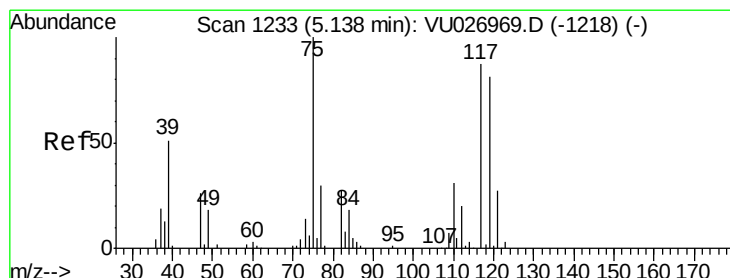
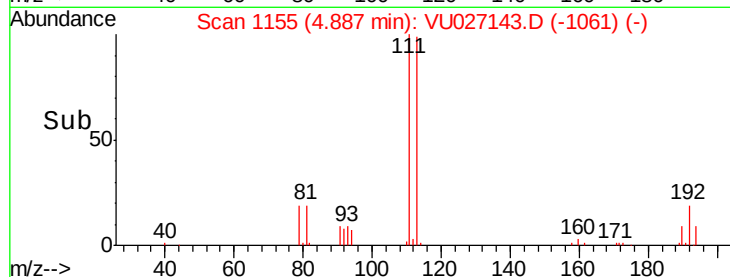
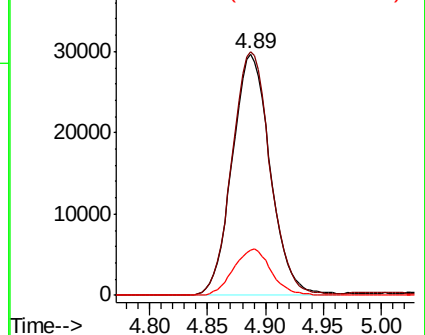
192 19.0 15.2 22.8



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



#36

1,1-Dichloropropene

Concen: 4.300 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

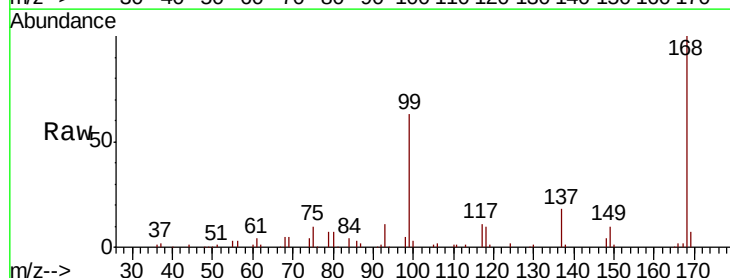
Tgt Ion: 75 Resp: 8982

Ion Ratio Lower Upper

75 100

110 5.5 16.1 48.2#

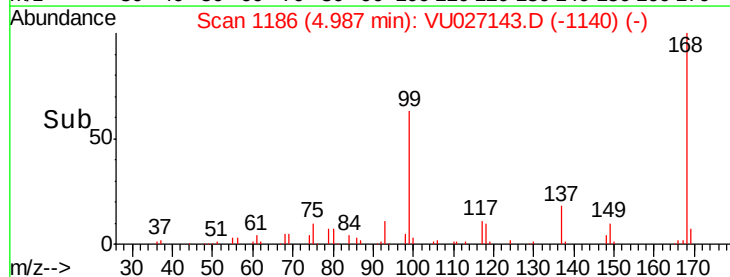
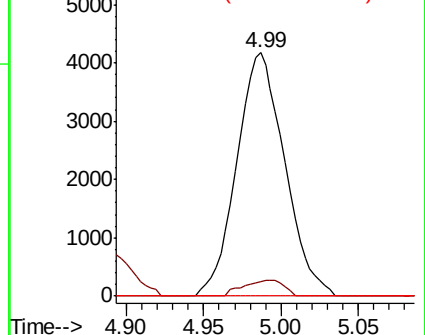
77 0.0 24.6 36.8#

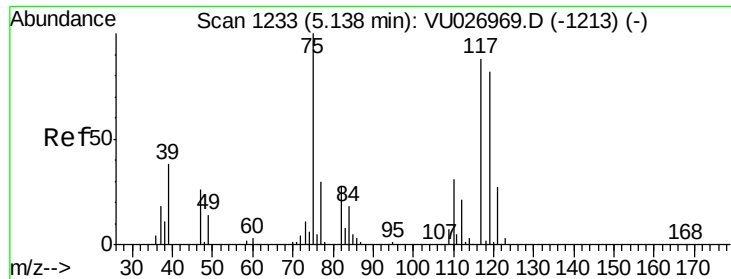


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

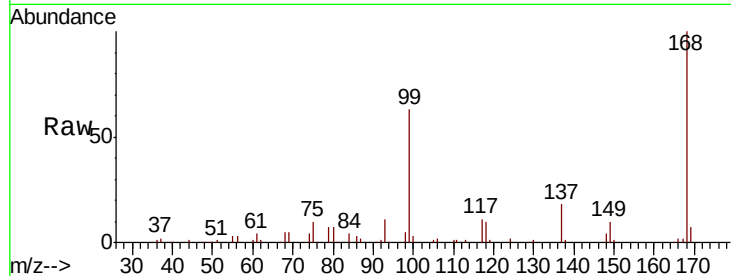




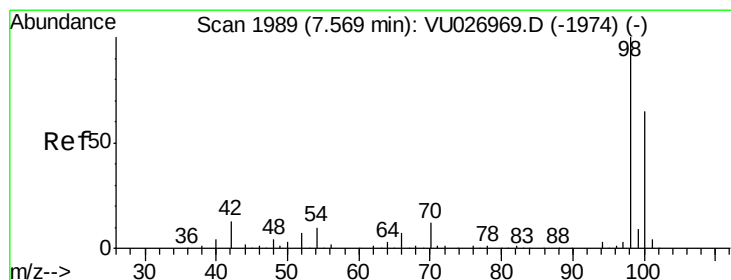
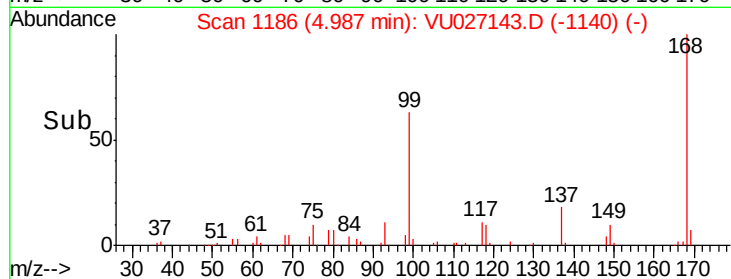
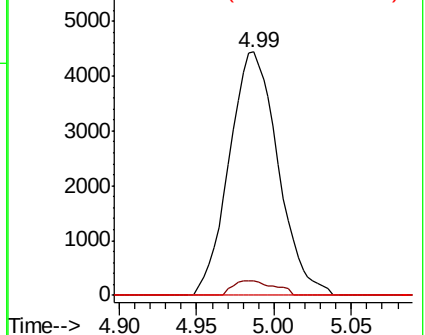
#38
Carbon Tetrachloride
Concen: 4.903 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027143.D
Acq: 25 Sep 2018 22:13

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB03-20180916

Tot Ion:117 Resp: 9746
Ion Ratio Lower Upper
117 100
119 5.9 74.4 111.6#
121 0.0 24.2 36.4#

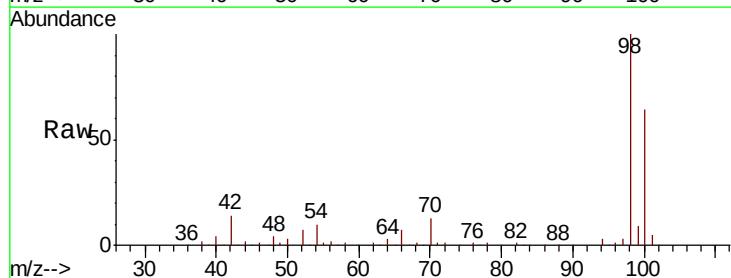


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

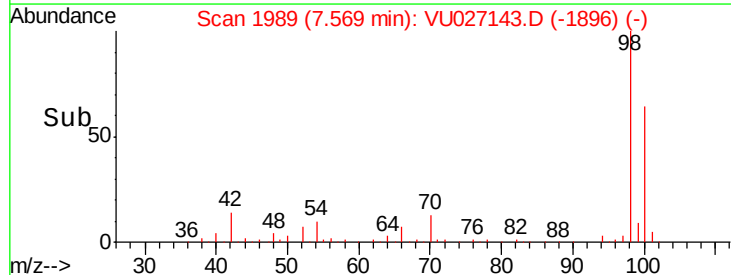
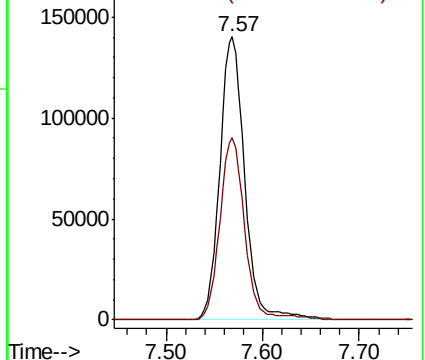


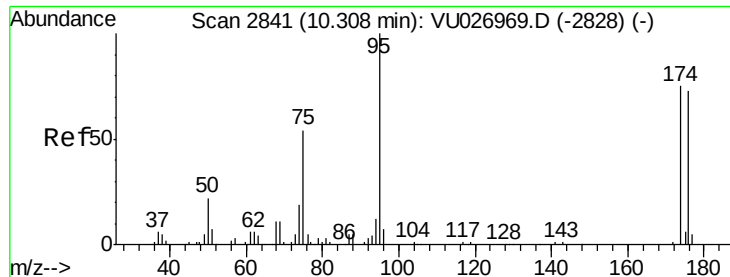
#50
Toluene-d8
Concen: 48.563 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027143.D
Acq: 25 Sep 2018 22:13

Tgt Ion: 98 Resp: 251102
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

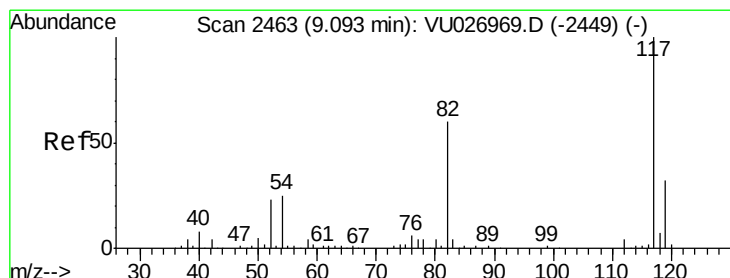
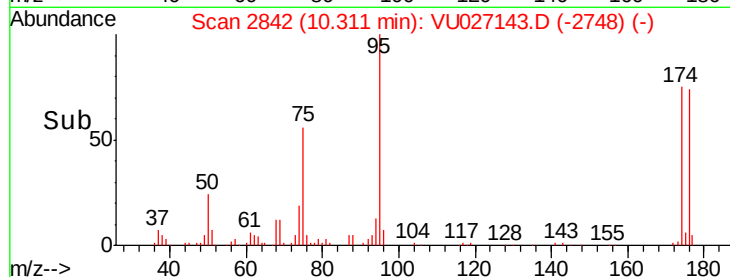
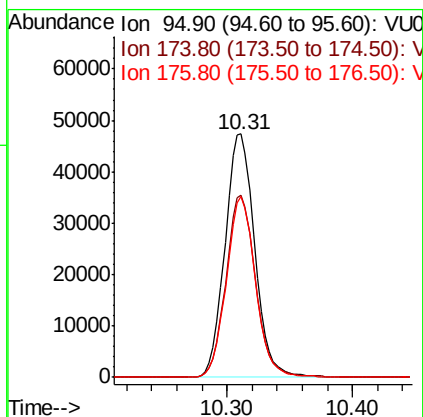
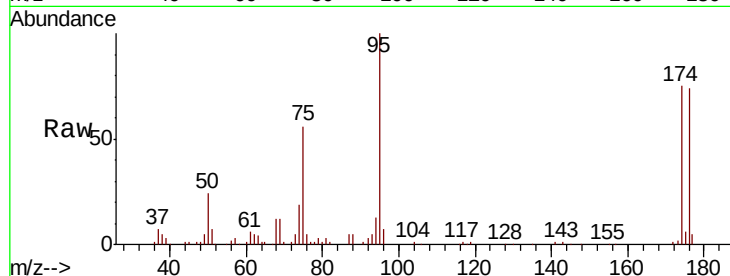




#62
4-Bromofluorobenzene
Concen: 43.852 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027143.D
Acq: 25 Sep 2018 22:13

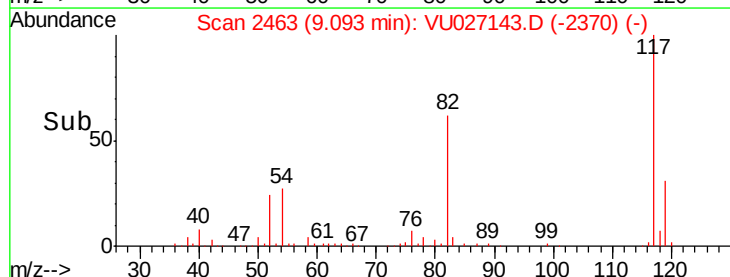
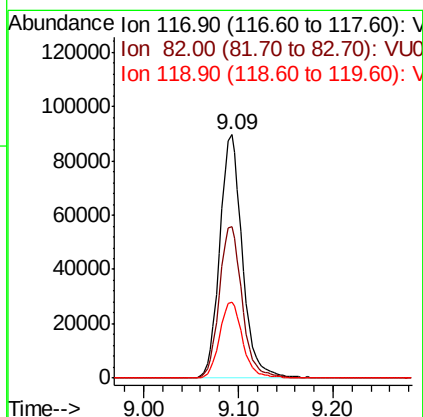
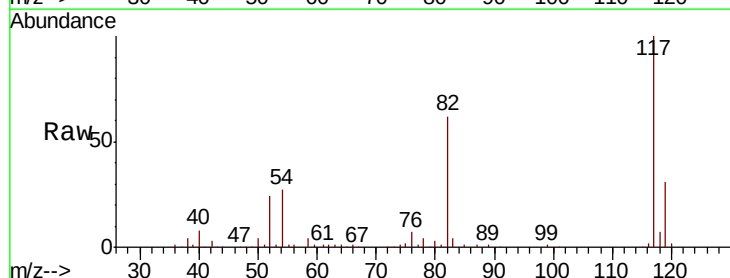
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB03-20180916

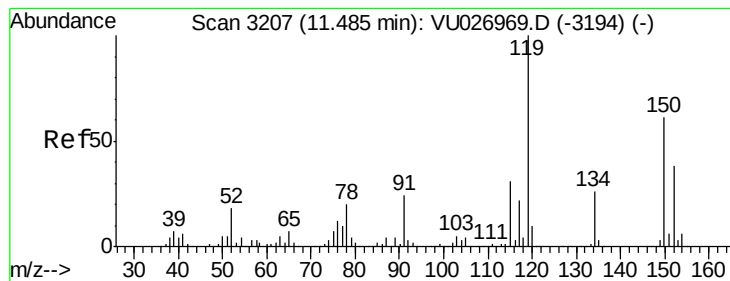
Tot Ion: 95 Resp: 77802
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.2
176 72.7 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027143.D
Acq: 25 Sep 2018 22:13

Tgt Ion: 117 Resp: 149192
Ion Ratio Lower Upper
117 100
82 62.2 48.0 72.0
119 31.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB03-20180916

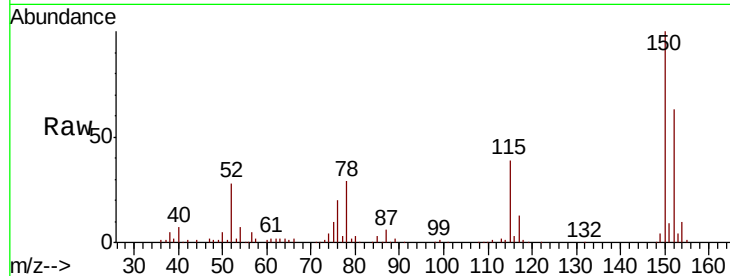
Tot Ion:152 Resp: 66219

Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

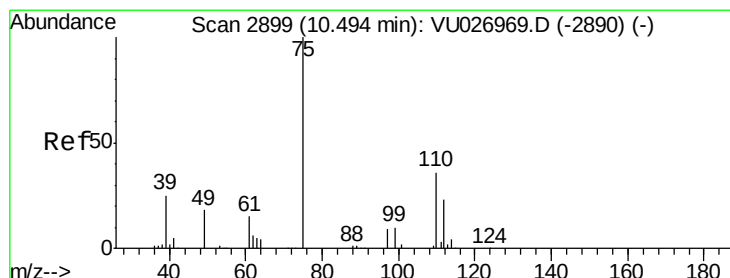
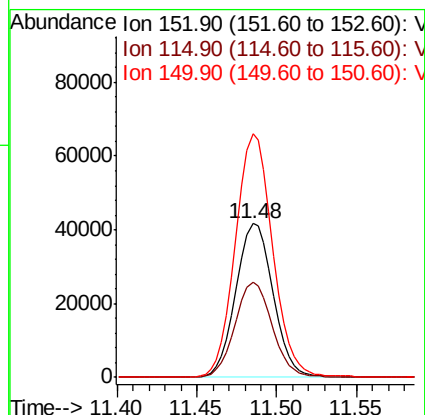
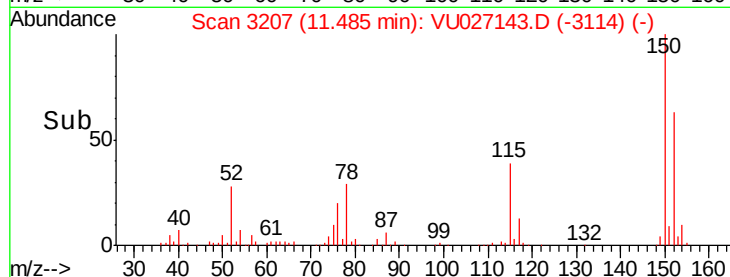
150 158.1 0.0 355.8



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



#76

1,2,3-Trichloropropane

Concen: 21.494 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU027143.D

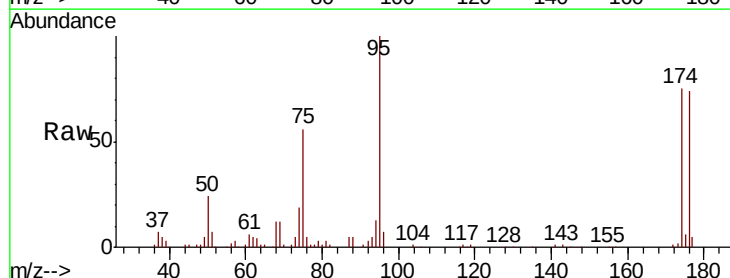
Acq: 25 Sep 2018 22:13

Tgt Ion: 75 Resp: 43239

Ion Ratio Lower Upper

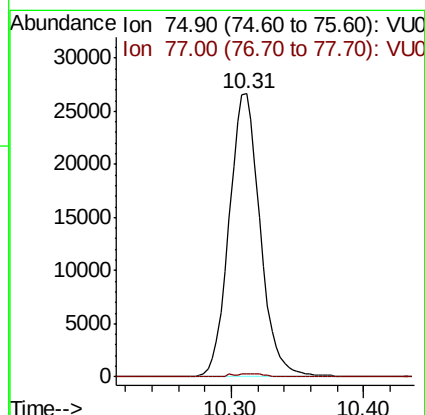
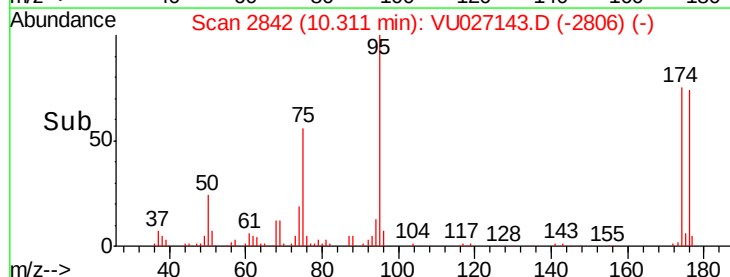
75 100

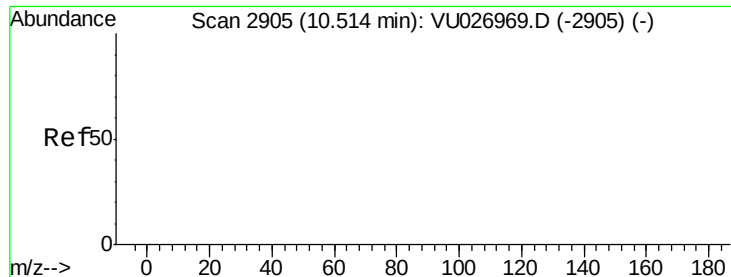
77 1.1 20.9 62.8#



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: 68.783 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB03-20180916

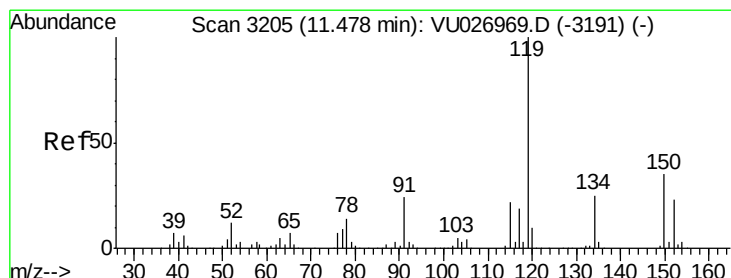
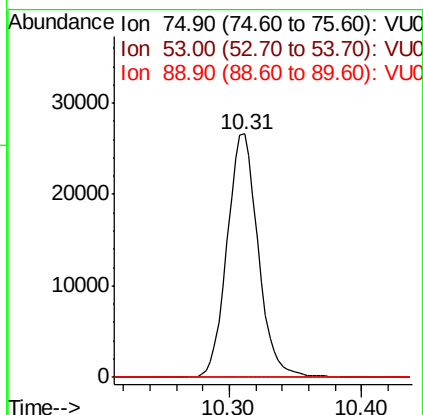
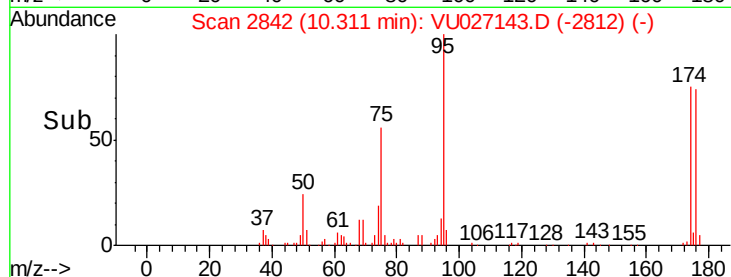
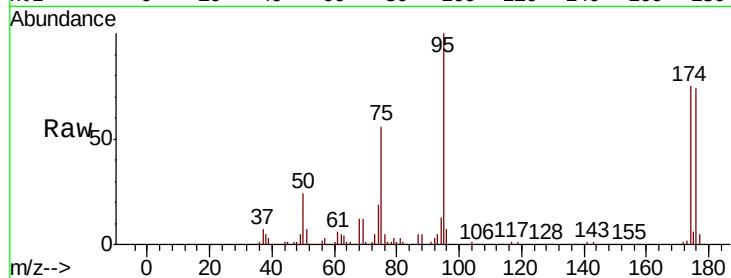
Tot Ion: 75 Resp: 43239

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#86

p-Isopropyltoluene

Concen: 0.942 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

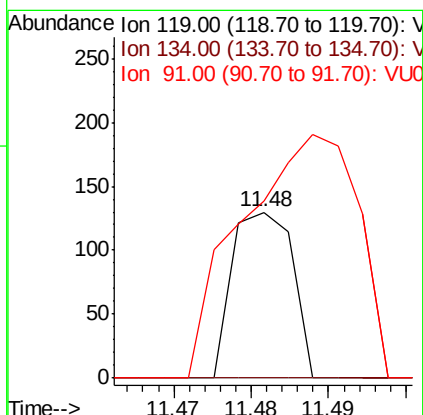
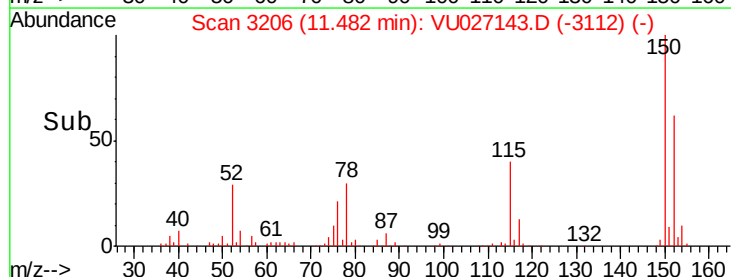
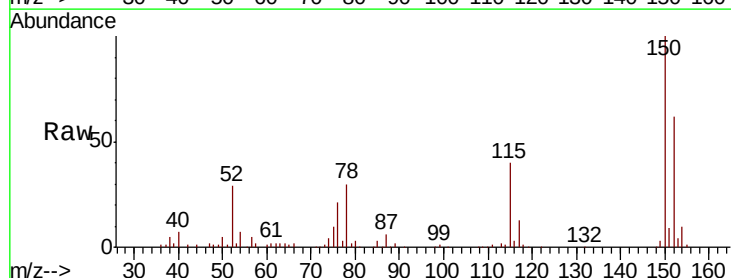
Tgt Ion: 119 Resp: 71

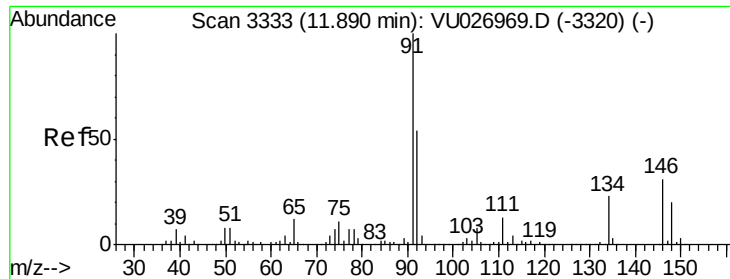
Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

91 280.3 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.407 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB03-20180916

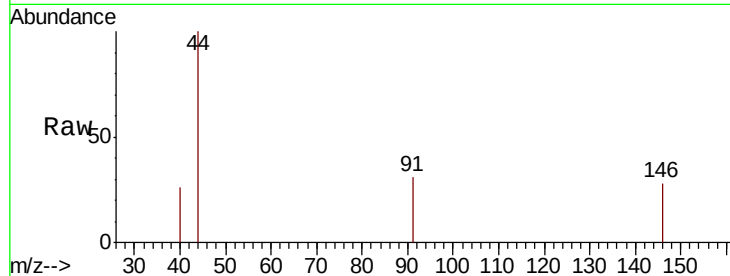
Tot Ion: 91 Resp: 68

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#

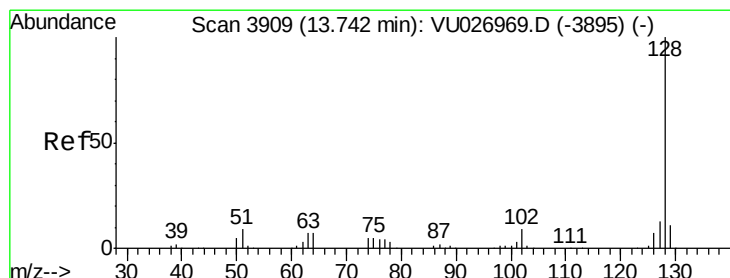
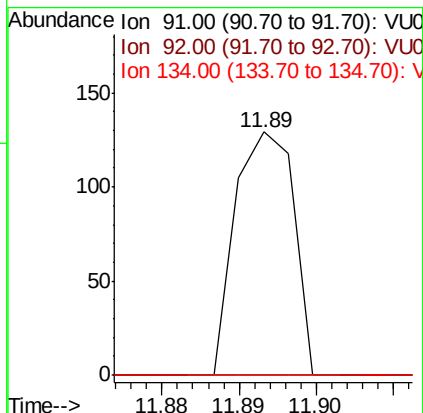
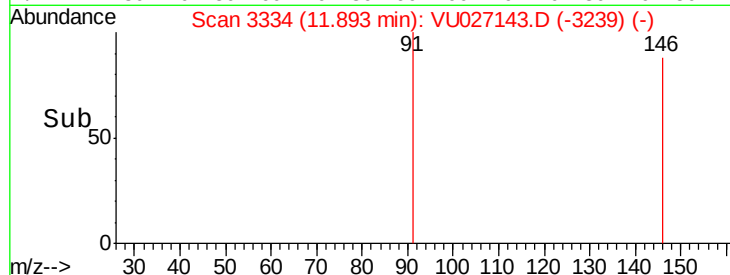


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->



#95

Naphthalene

Concen: 1.706 ug/l

RT: 13.77 min Scan# 3919

Delta R.T. 0.03 min

Lab File: VU027143.D

Acq: 25 Sep 2018 22:13

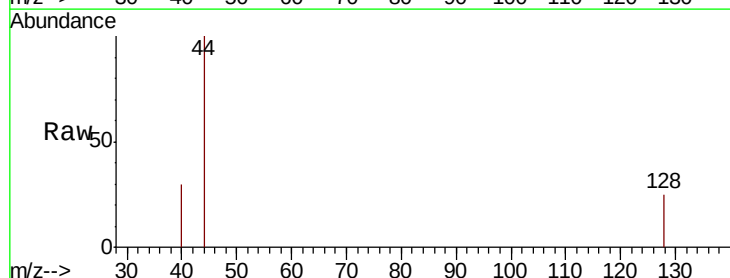
Tgt Ion: 128 Resp: 95

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): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->

