

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026978.D
 Acq On : 21 Sep 2018 19:42
 Operator : MD/SY
 Sample : J4913-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB01-180911

Quant Time: Sep 22 02:22:49 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	82307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	164748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78044	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	92822	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
35) Dibromofluoromethane	4.89	113	72722	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
50) Toluene-d8	7.57	98	261385	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	10.31	95	86122	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

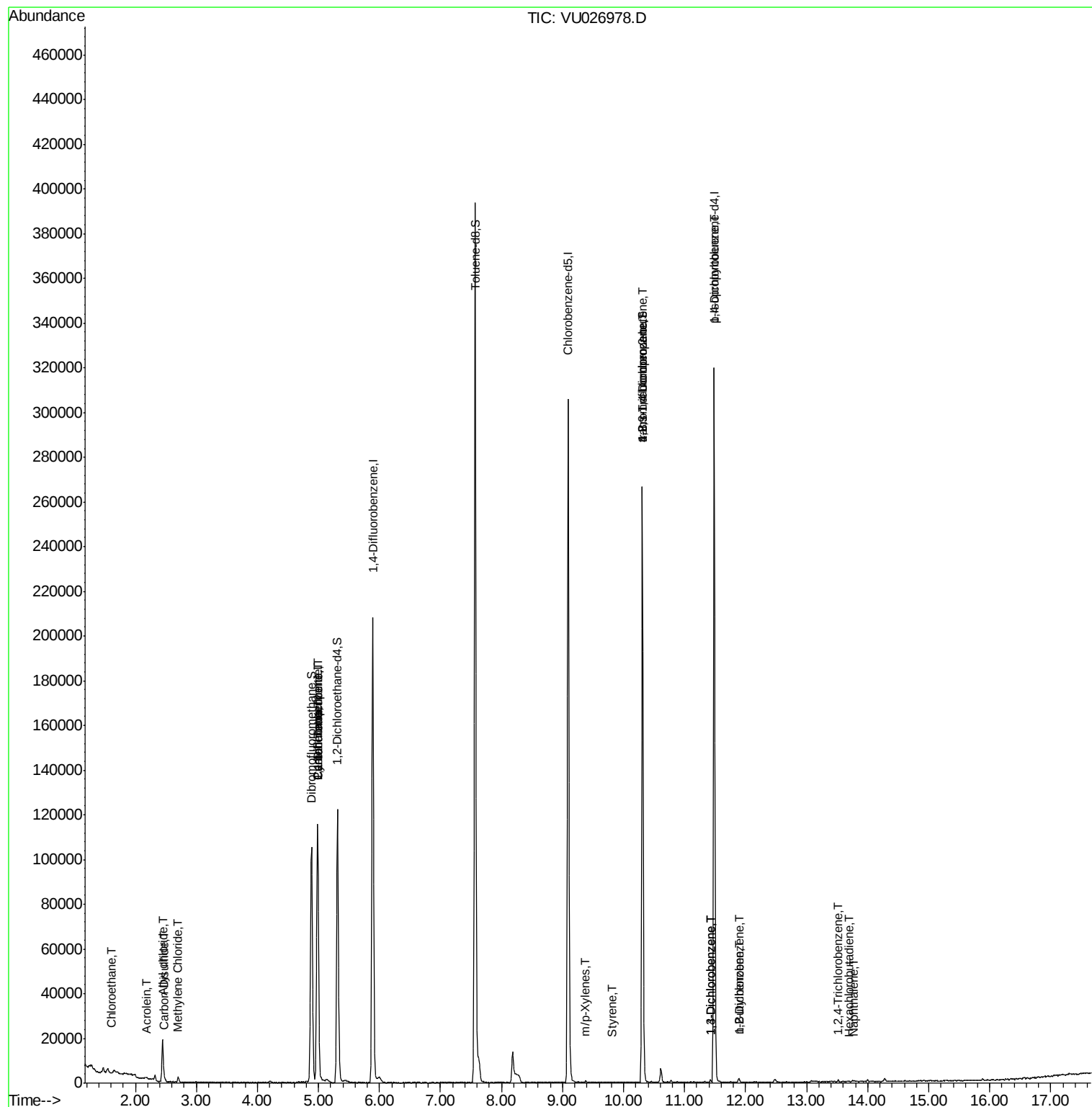
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	234	0.212	ug/l #	43
13) Acrolein	2.20	56	65	0.318	ug/l #	14
14) Allyl chloride	2.45	41	1949	0.845	ug/l #	74
16) Acetone	2.32	43	3195	Below Cal		96
17) Carbon Disulfide	2.48	76	1386	0.374	ug/l #	88
20) Methylene Chloride	2.70	84	1011	0.681	ug/l	88
31) Cyclohexane	4.99	56	2296	0.359	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	7693	3.506	ug/l #	49
38) Carbon Tetrachloride	4.99	117	8408	4.026	ug/l #	18
68) m/p-Xylenes	9.39	106	223	1.576	ug/l #	52
70) Styrene	9.80	104	333	1.877	ug/l #	29
76) 1,2,3-Trichloropropane	10.31	75	46948	19.801	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46948	63.368	ug/l #	100
86) p-Isopropyltoluene	11.48	119	326	0.985	ug/l #	40
87) 1,3-Dichlorobenzene	11.42	146	675	0.250	ug/l	84
88) 1,4-Dichlorobenzene	11.42	146	675	0.229	ug/l	84
89) n-Butylbenzene	11.90	91	750	2.525	ug/l #	71
91) 1,2-Dichlorobenzene	11.89	146	633	0.221	ug/l	85
93) 1,2,4-Trichlorobenzene	13.51	180	526	0.318	ug/l	77
94) Hexachlorobutadiene	13.69	225	200	0.229	ug/l #	18
95) Naphthalene	13.75	128	1290	1.882	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
Data File : VU026978.D
Acq On : 21 Sep 2018 19:42
Operator : MD/SY
Sample : J4913-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-TB01-180911

Quant Time: Sep 22 02:22:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

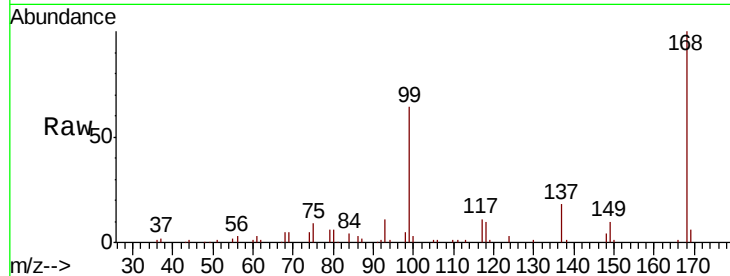
BP-TB01-180911

Tgt Ion:168 Resp: 82307

Ion Ratio Lower Upper

168 100

99 64.3 48.1 72.1



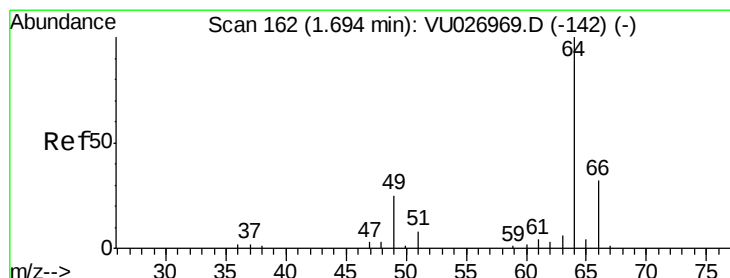
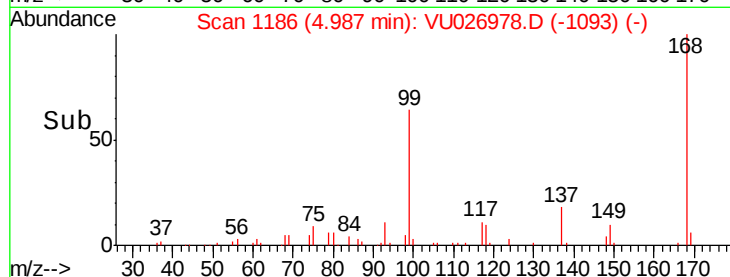
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.60 min Scan# 132

Delta R.T. -0.10 min

Lab File: VU026978.D

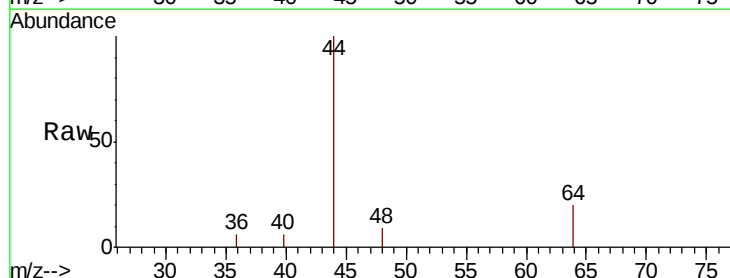
Acq: 21 Sep 2018 19:42

Tgt Ion: 64 Resp: 234

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



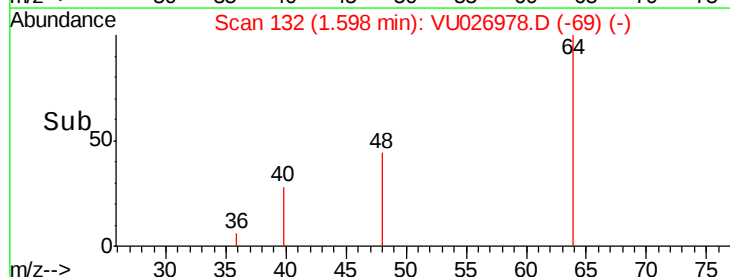
Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

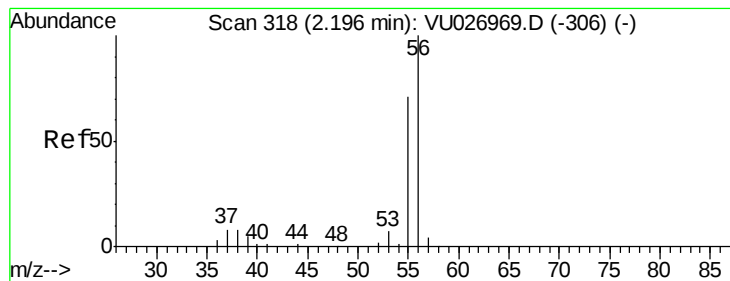
Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.60

1.58 1.59 1.60 1.61

Time-->





#13

Acrolein

Concen: 0.318 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

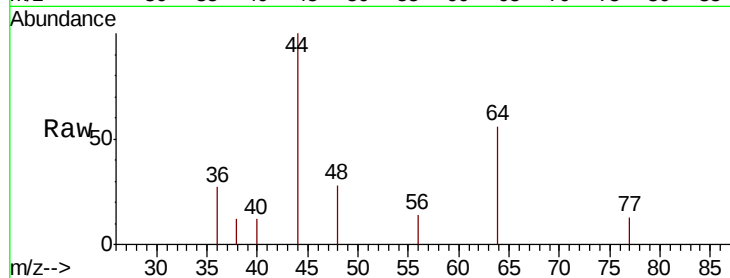
BP-TB01-180911

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

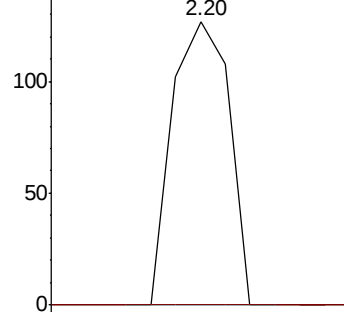
56 100

55 0.0 57.1 85.7#

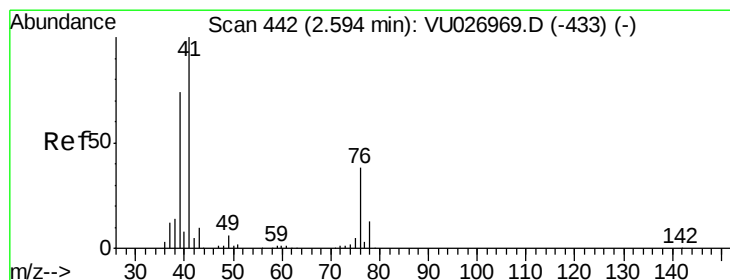
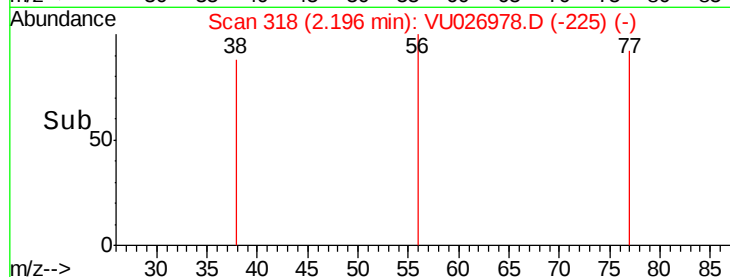


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 0.845 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.15 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

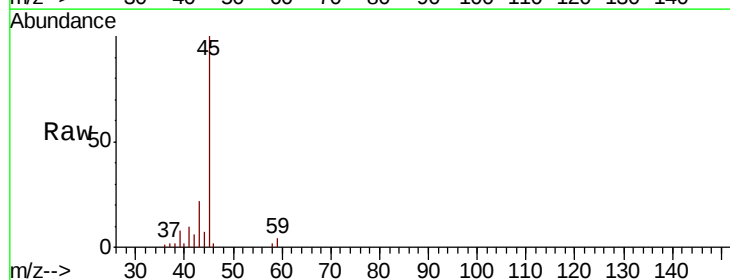
Tgt Ion: 41 Resp: 1949

Ion Ratio Lower Upper

41 100

39 77.8 55.7 83.5

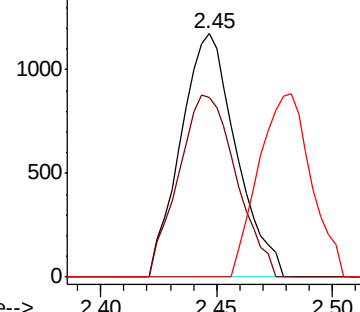
76 0.0 26.5 39.7#



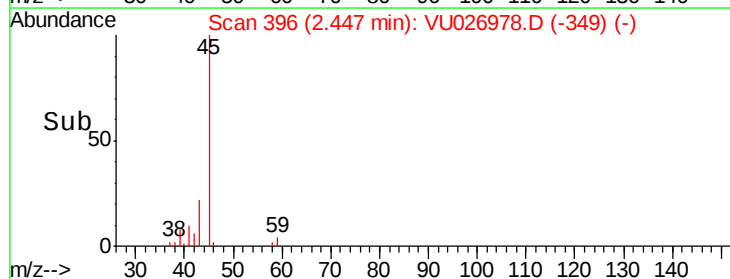
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

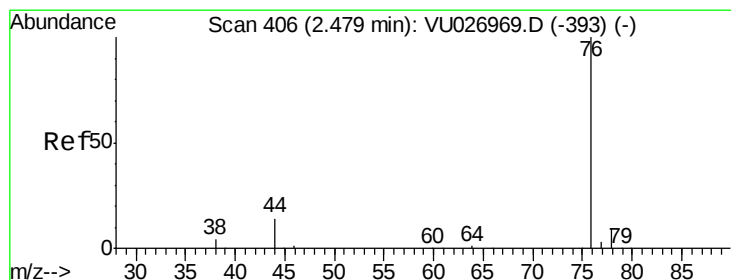
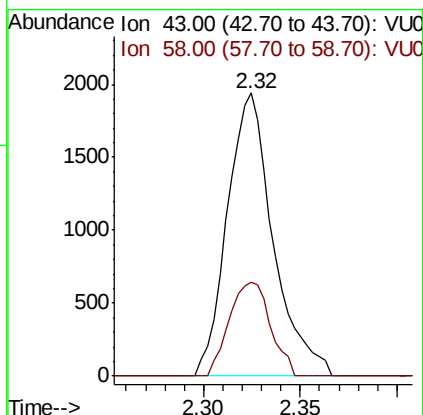
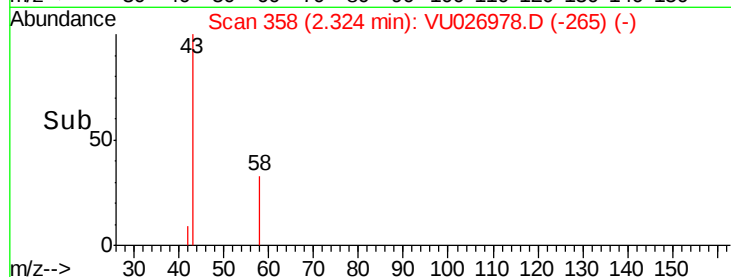
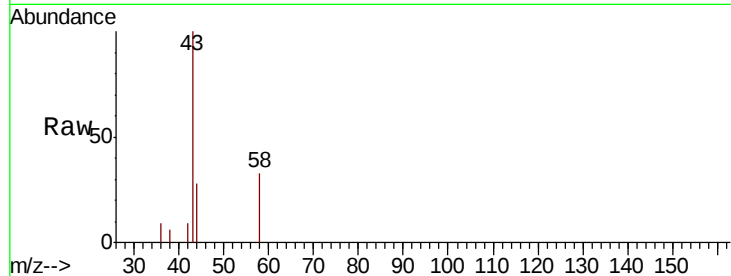
BP-TB01-180911

Tgt Ion: 43 Resp: 3195

Ion Ratio Lower Upper

43 100

58 33.0 24.6 36.8



#17

Carbon Disulfide

Concen: 0.374 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU026978.D

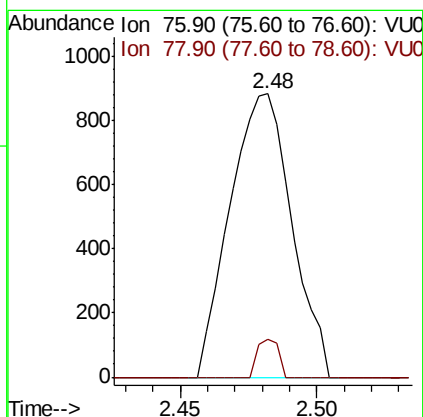
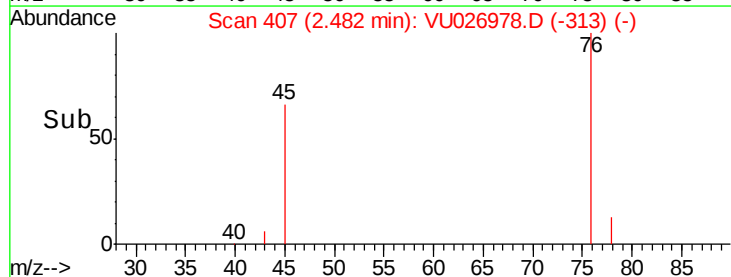
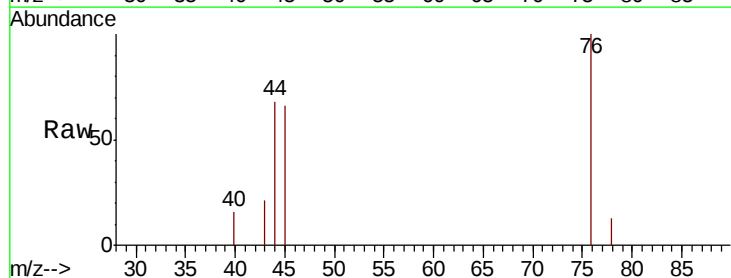
Acq: 21 Sep 2018 19:42

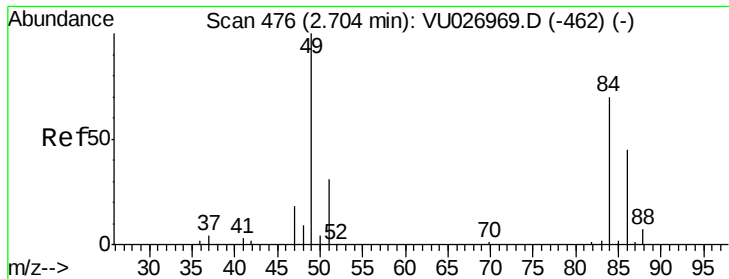
Tgt Ion: 76 Resp: 1386

Ion Ratio Lower Upper

76 100

78 13.4 7.1 10.7#

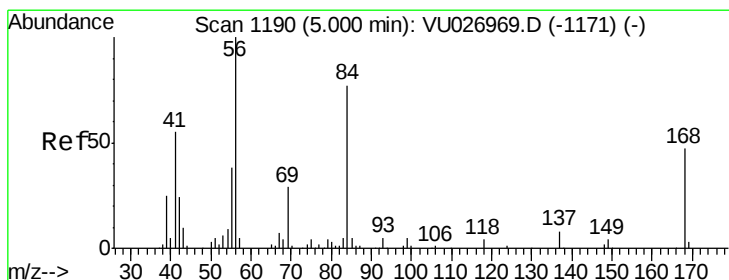
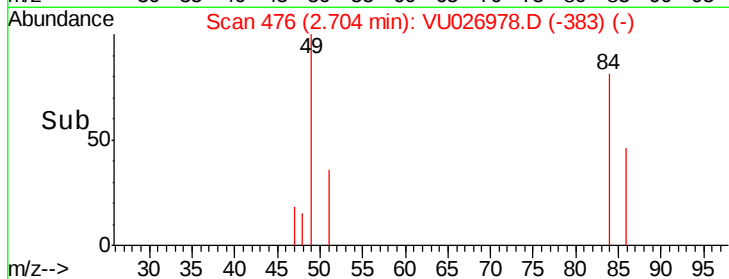
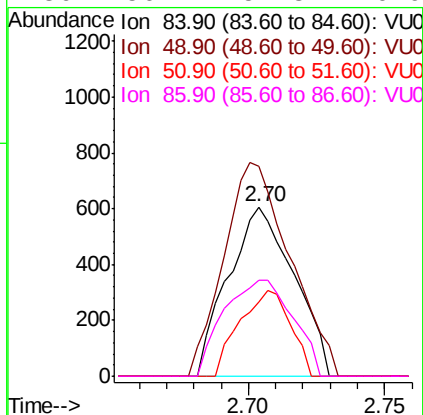
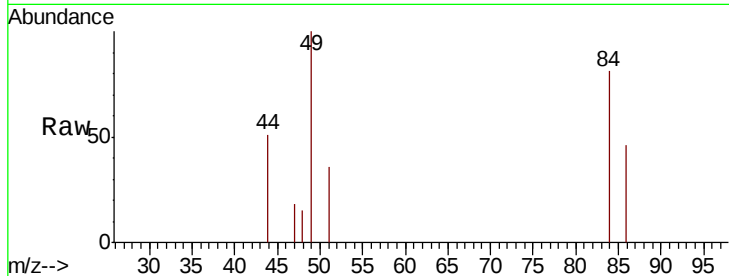




#20
Methylene Chloride
Concen: 0.681 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026978.D
Acq: 21 Sep 2018 19:42

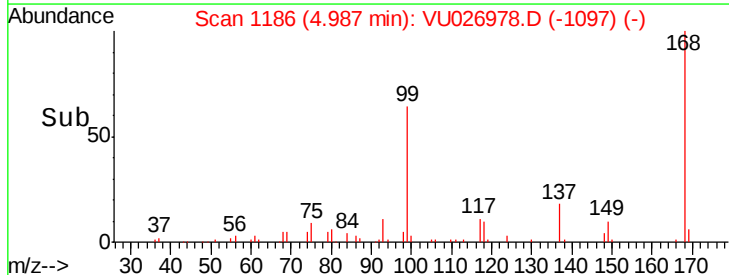
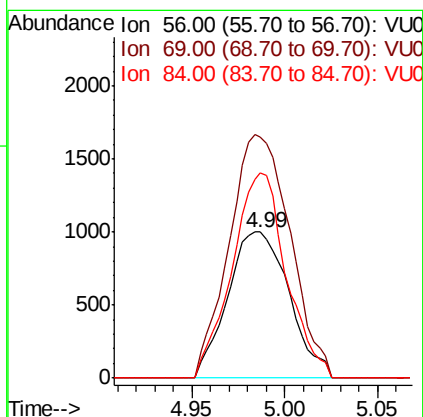
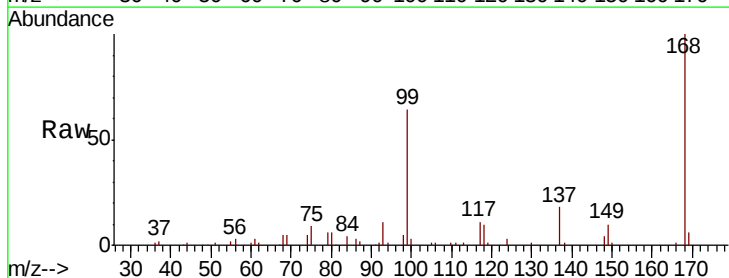
Instrument :
MSVOA_U
ClientSampleId :
BP-TB01-180911

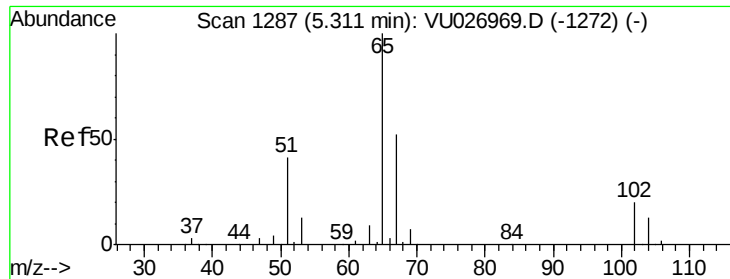
Tgt Ion:	84	Resp:	1011
Ion	Ratio	Lower	Upper
84	100		
49	123.9	114.9	172.3
51	44.1	35.8	53.8
86	56.4	51.3	76.9



#31
Cyclohexane
Concen: 0.359 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU026978.D
Acq: 21 Sep 2018 19:42

Tgt Ion:	56	Resp:	2296
Ion	Ratio	Lower	Upper
56	100		
69	164.8	23.0	34.4#
84	140.2	61.4	92.2#

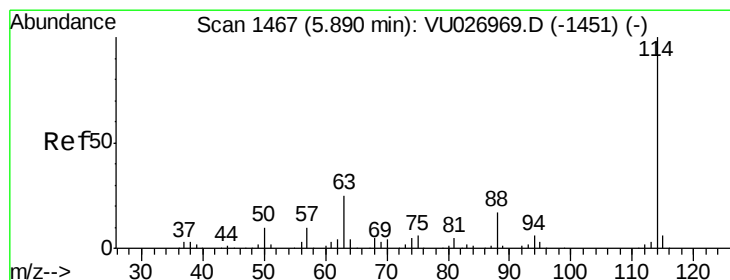
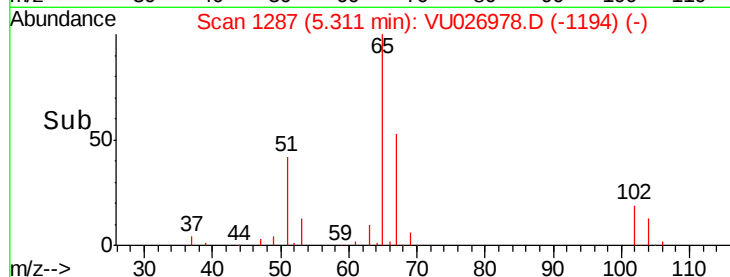
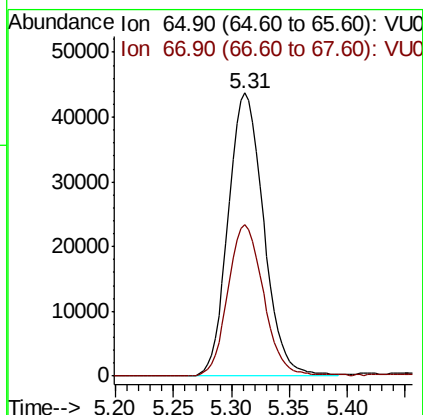
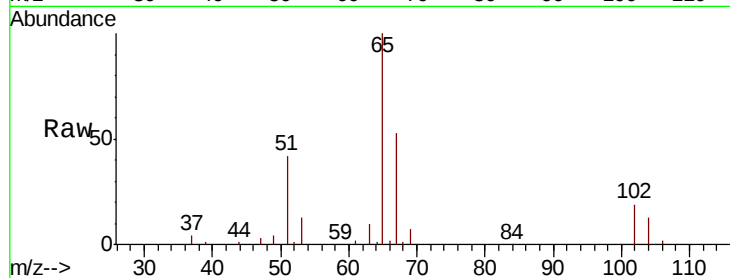




#33
 1,2-Dichloroethane-d4
 Concen: 56.033 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026978.D
 Acq: 21 Sep 2018 19:42

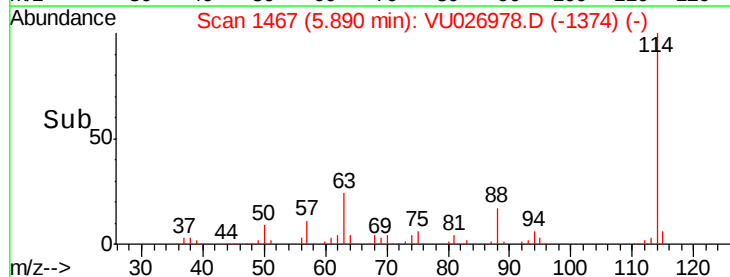
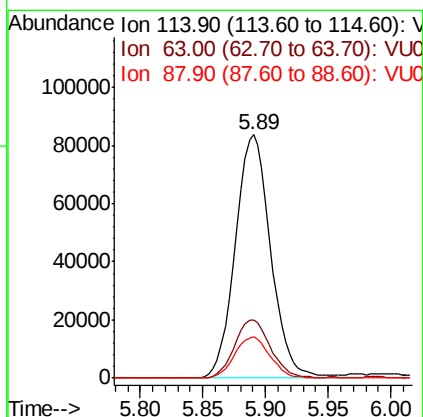
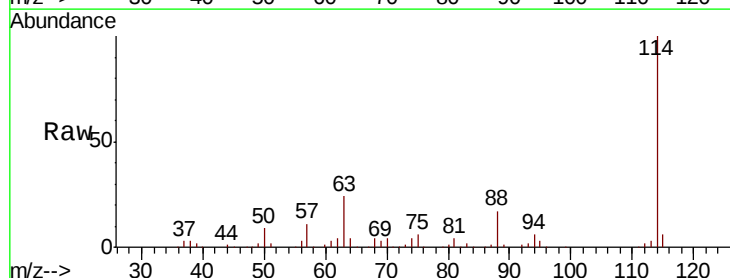
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB01-180911

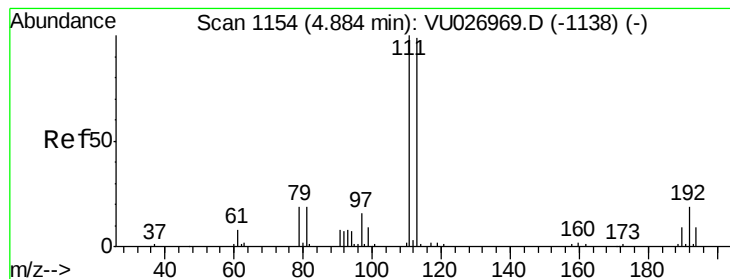
Tgt Ion: 65 Resp: 92822
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026978.D
 Acq: 21 Sep 2018 19:42

Tgt Ion: 114 Resp: 164433
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.022 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BP-TB01-180911

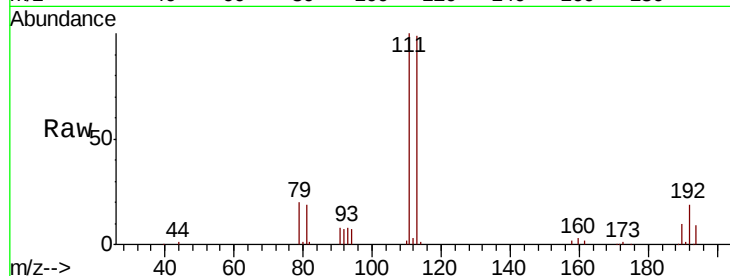
Tgt Ion:113 Resp: 72722

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

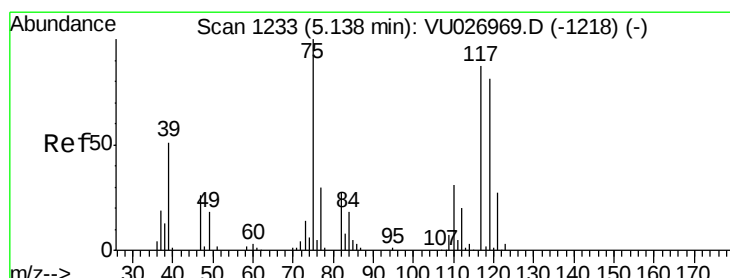
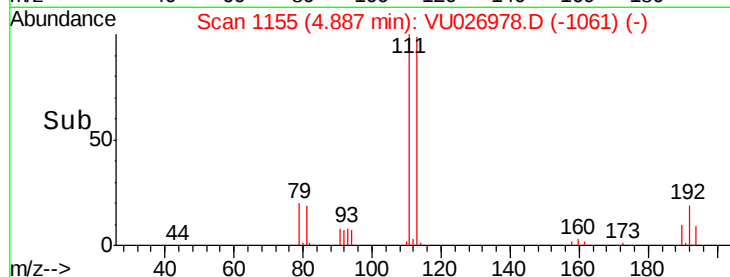
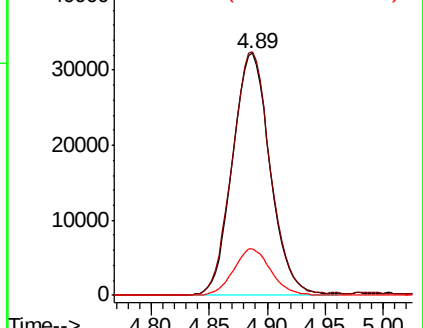
192 18.9 15.2 22.8



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: 3.506 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

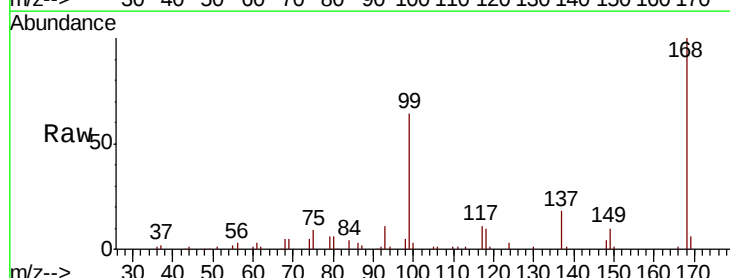
Tgt Ion: 75 Resp: 7693

Ion Ratio Lower Upper

75 100

110 6.3 16.1 48.2#

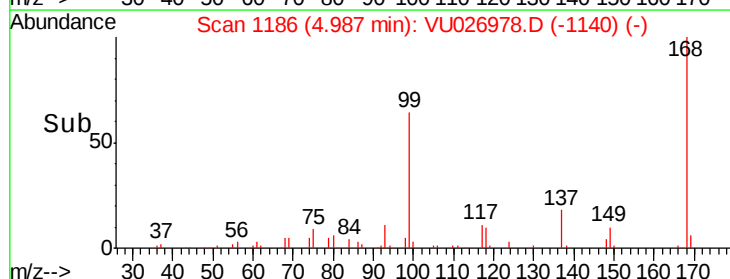
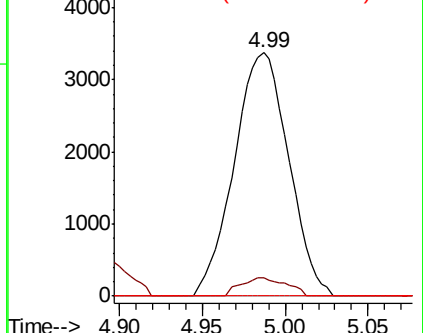
77 0.0 24.6 36.8#

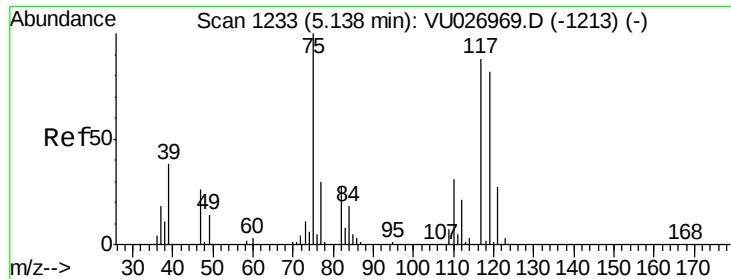


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

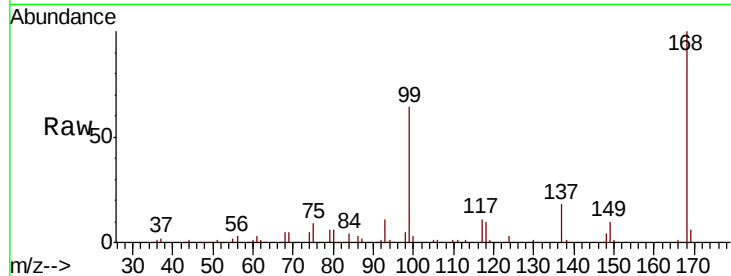




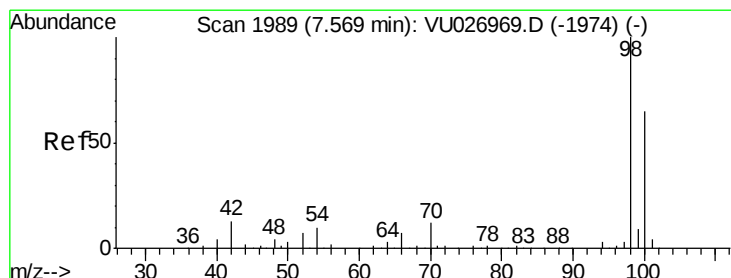
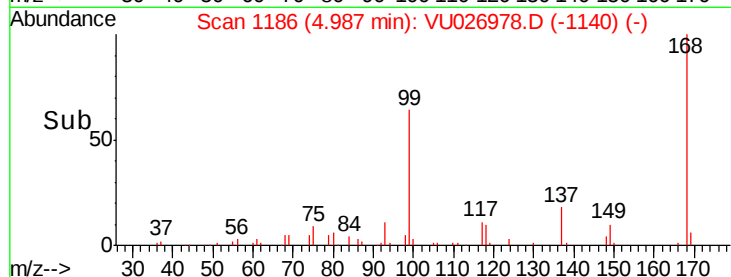
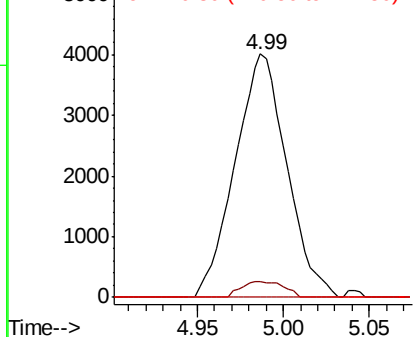
#38
Carbon Tetrachloride
Concen: 4.026 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU026978.D
Acq: 21 Sep 2018 19:42

Instrument :
MSVOA_U
ClientSampleId :
BP-TB01-180911

Tgt Ion:117 Resp: 8408
Ion Ratio Lower Upper
117 100
119 6.3 74.4 111.6#
121 0.0 24.2 36.4#

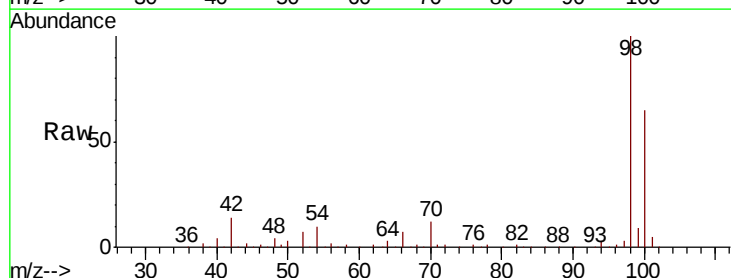


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

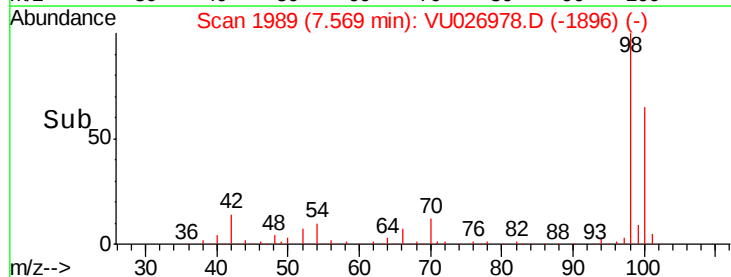
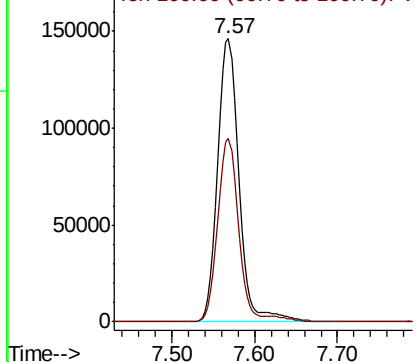


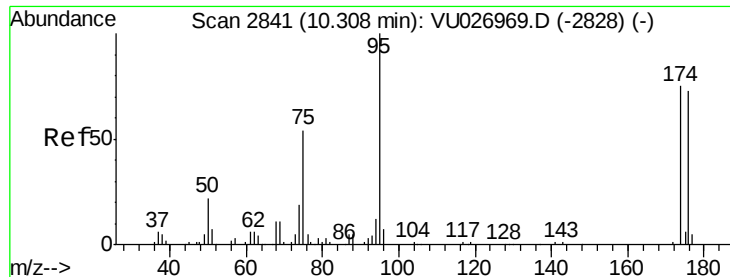
#50
Toluene-d8
Concen: 48.120 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026978.D
Acq: 21 Sep 2018 19:42

Tgt Ion: 98 Resp: 261385
Ion Ratio Lower Upper
98 100
100 64.2 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: 46.206 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BP-TB01-180911

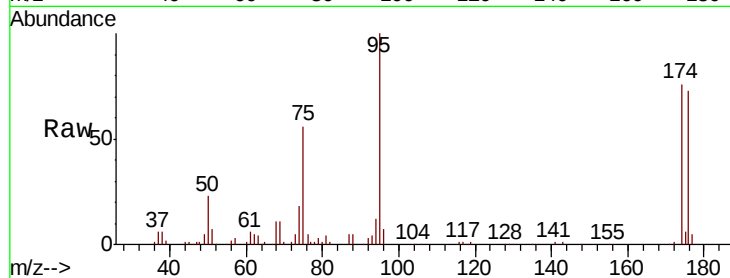
Tgt Ion: 95 Resp: 86122

Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.2

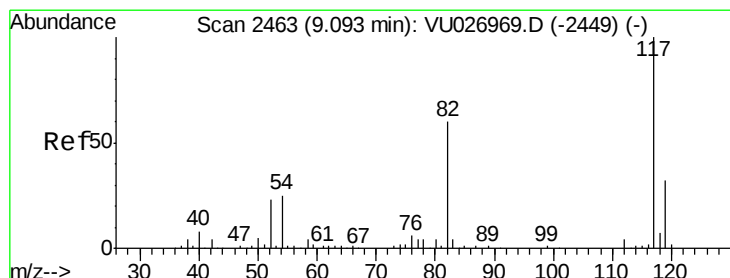
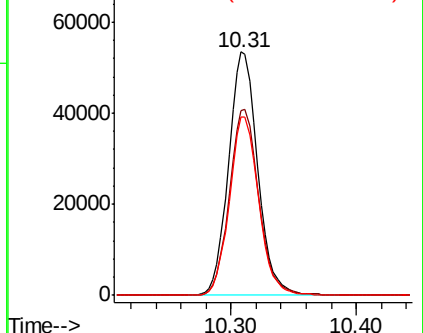
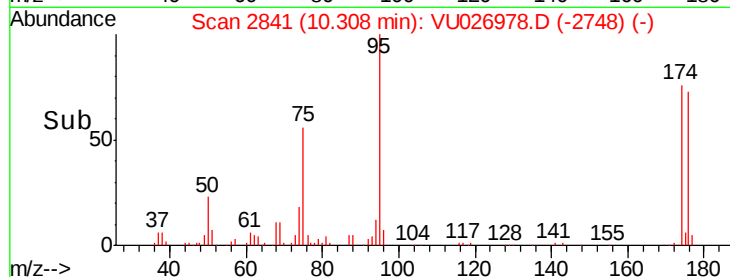
176 73.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026978.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU026978.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU026978.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

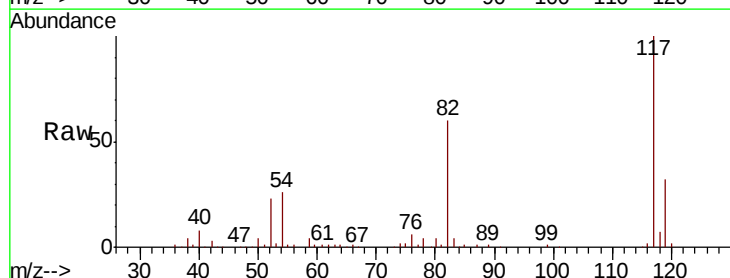
Tgt Ion: 117 Resp: 164748

Ion Ratio Lower Upper

117 100

82 60.3 48.0 72.0

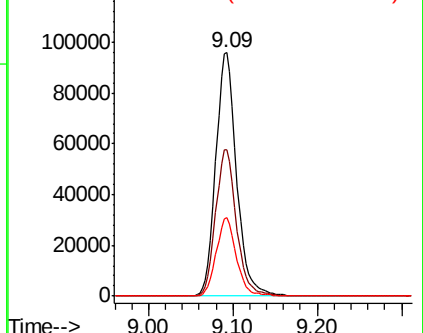
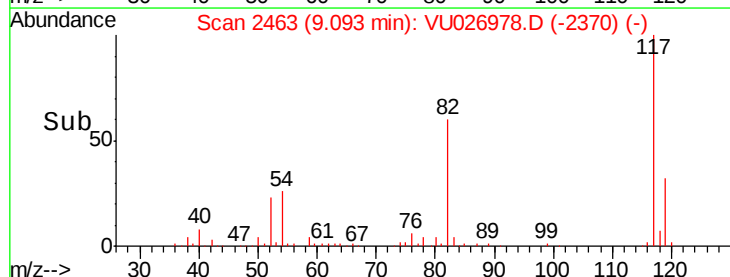
119 32.2 25.8 38.8

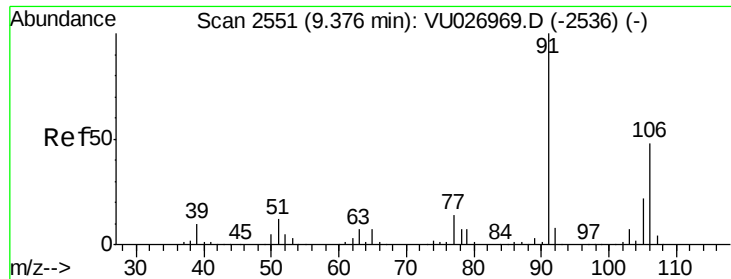


Abundance Ion 116.90 (116.60 to 117.60): VU026978.D (-2370) (-)

Ion 82.00 (81.70 to 82.70): VU026978.D (-2370) (-)

Ion 118.90 (118.60 to 119.60): VU026978.D (-2370) (-)

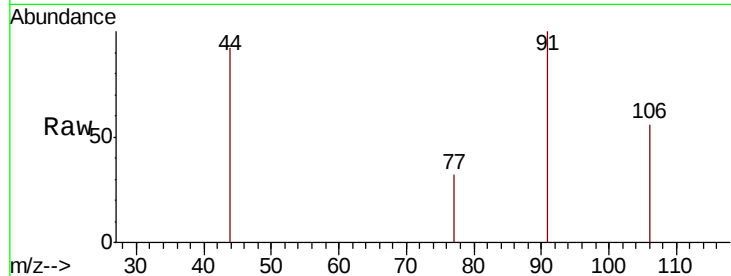




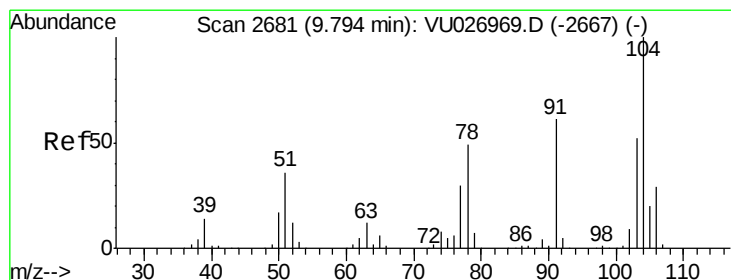
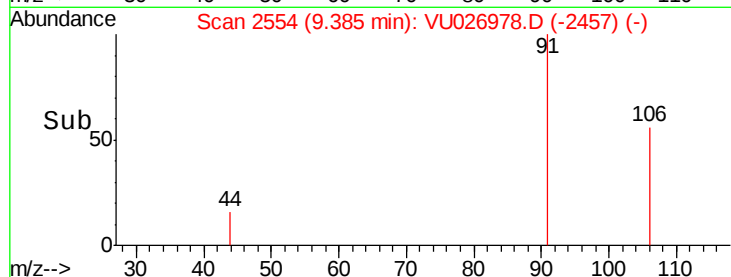
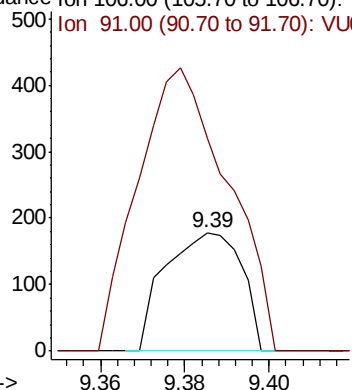
#68
m/p-Xylenes
Concen: 1.576 ug/l
RT: 9.39 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VU026978.D
Acq: 21 Sep 2018 19:42

Instrument :
MSVOA_U
ClientSampleId :
BP-TB01-180911

Tgt Ion:106 Resp: 223
Ion Ratio Lower Upper
106 100
91 283.4 166.5 249.7#

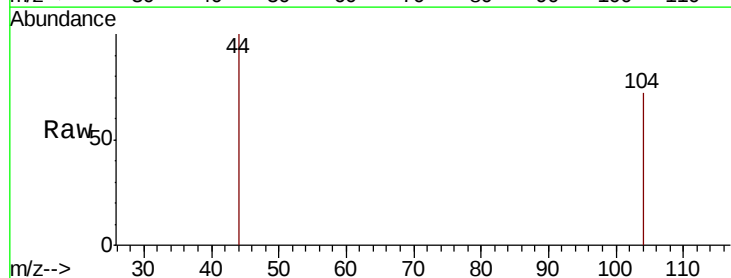


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

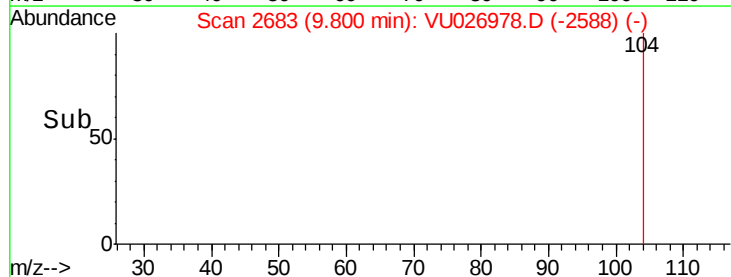
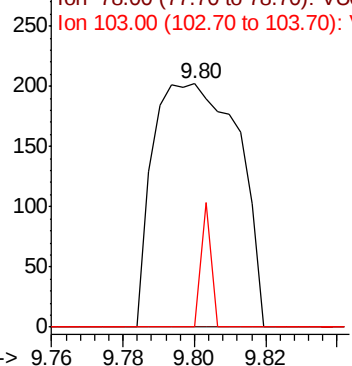


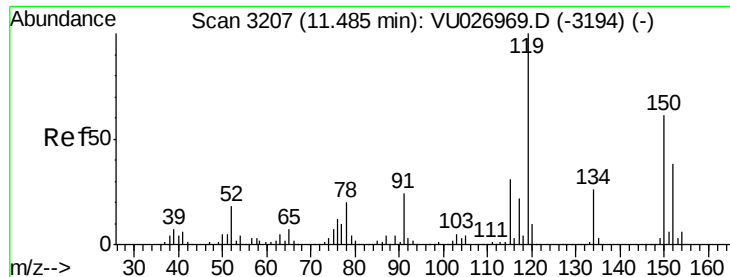
#70
Styrene
Concen: 1.877 ug/l
RT: 9.80 min Scan# 2683
Delta R.T. 0.01 min
Lab File: VU026978.D
Acq: 21 Sep 2018 19:42

Tgt Ion:104 Resp: 333
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 6.0 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BP-TB01-180911

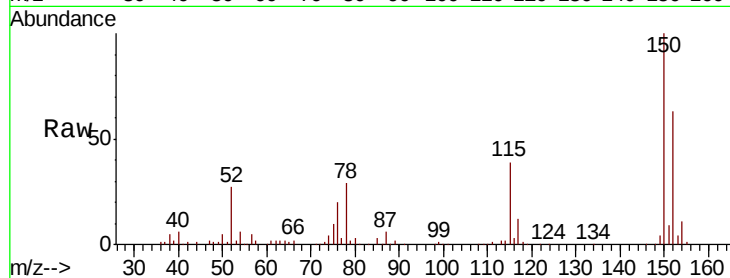
Tgt Ion:152 Resp: 78044

Ion Ratio Lower Upper

152 100

115 60.7 44.9 134.5

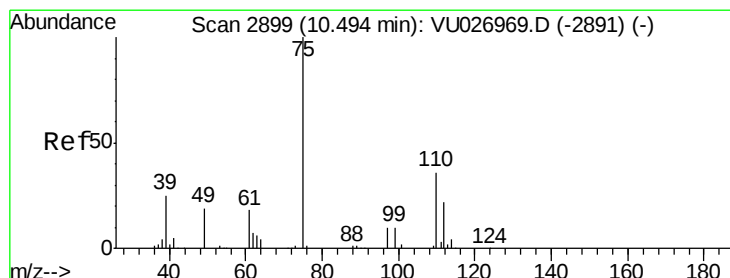
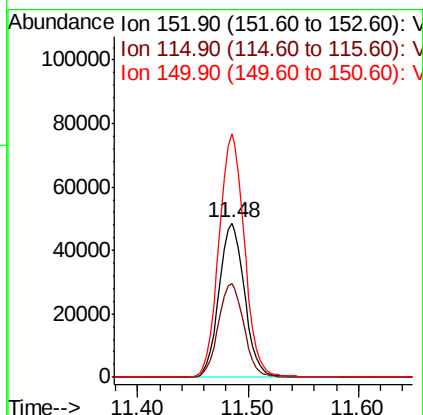
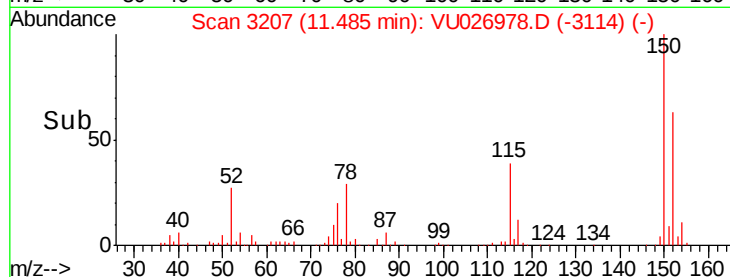
150 157.0 0.0 355.8



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: 19.801 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026978.D

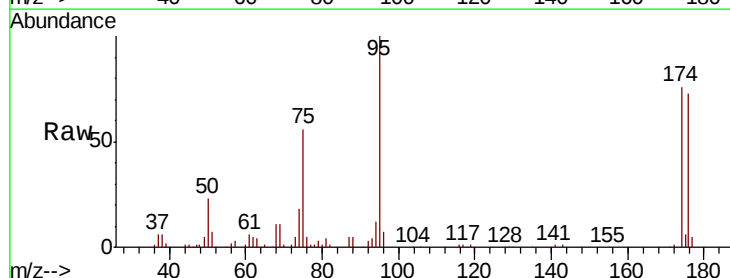
Acq: 21 Sep 2018 19:42

Tgt Ion: 75 Resp: 46948

Ion Ratio Lower Upper

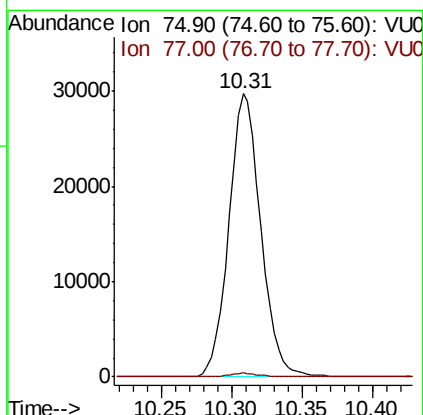
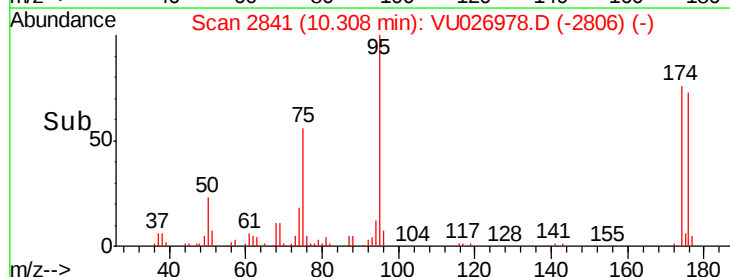
75 100

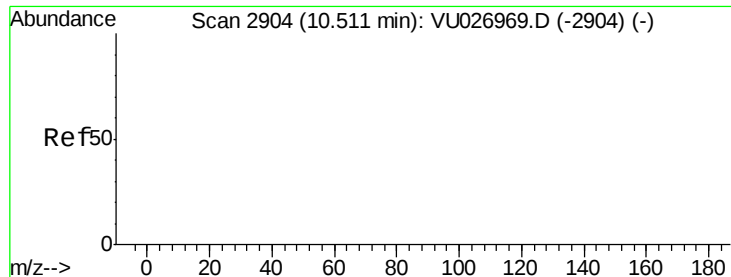
77 1.2 20.9 62.8#



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: 63.368 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BP-TB01-180911

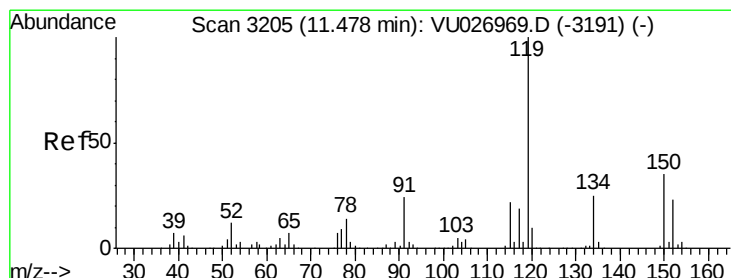
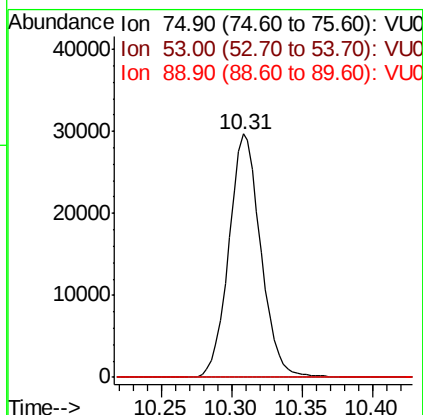
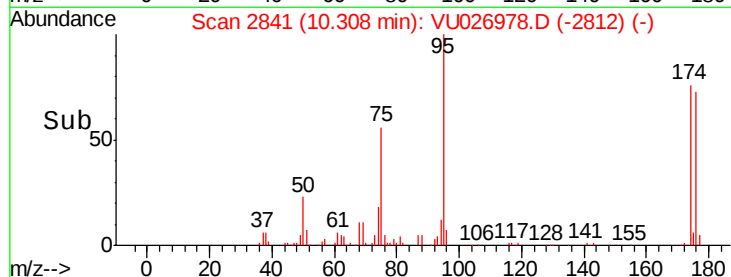
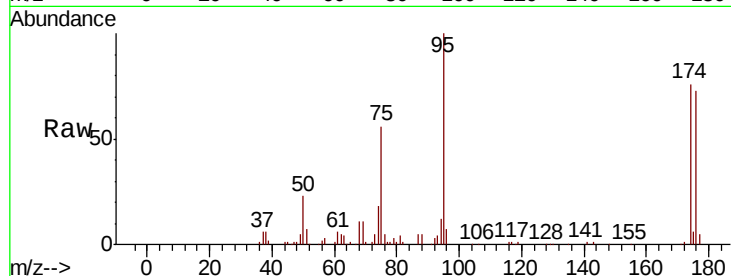
Tgt Ion: 75 Resp: 46948

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#86

p-Isopropyltoluene

Concen: 0.985 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

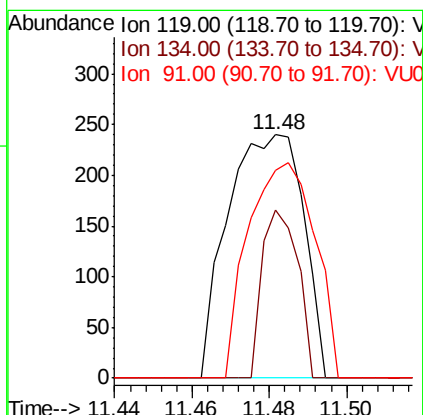
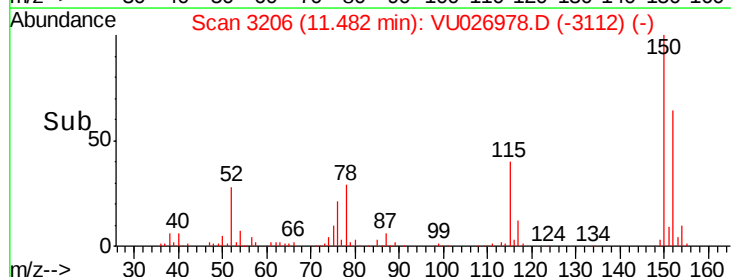
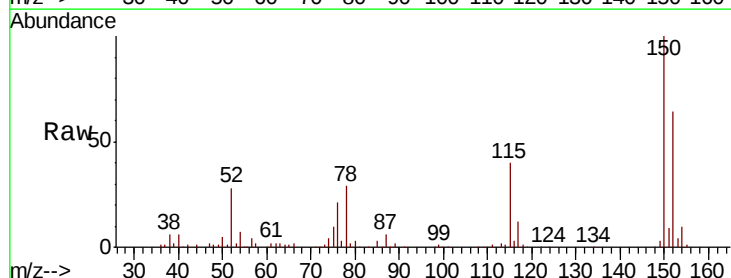
Tgt Ion: 119 Resp: 326

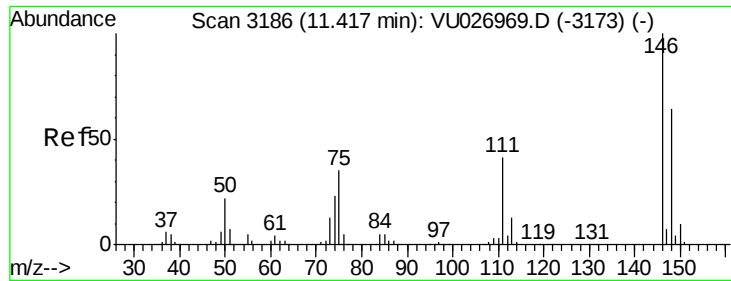
Ion Ratio Lower Upper

119 100

134 32.8 12.8 38.3

91 77.9 12.3 36.8#

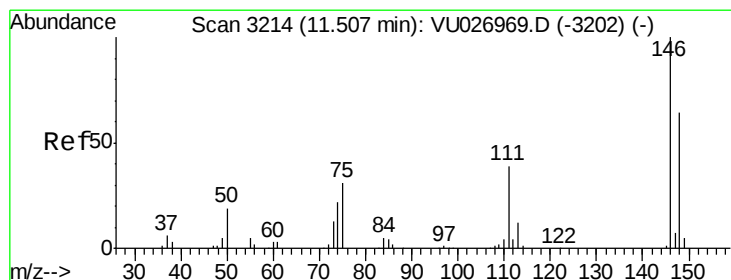
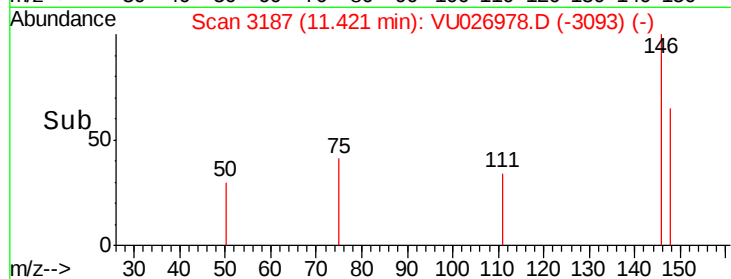
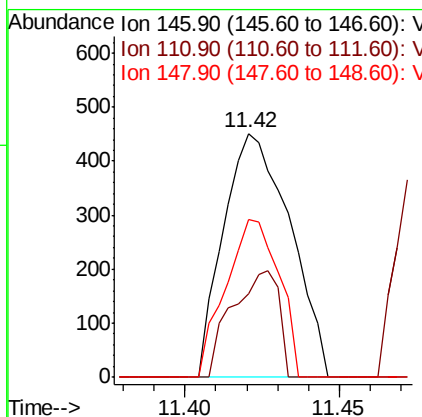
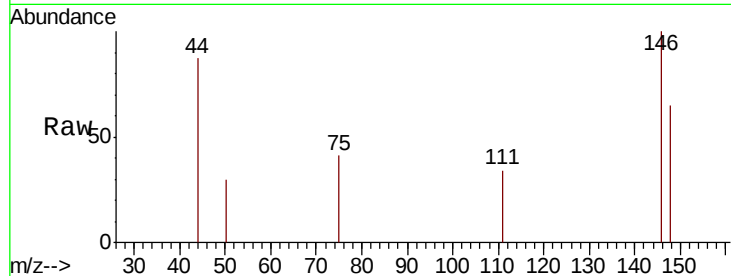




#87
 1,3-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026978.D
 Acq: 21 Sep 2018 19:42

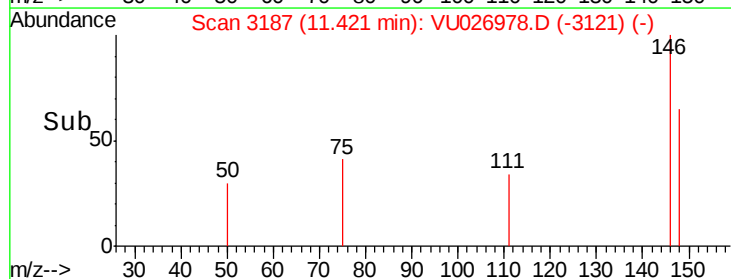
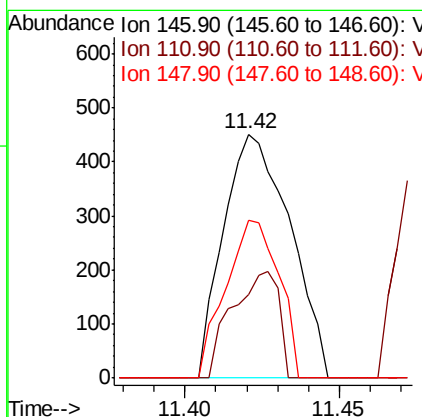
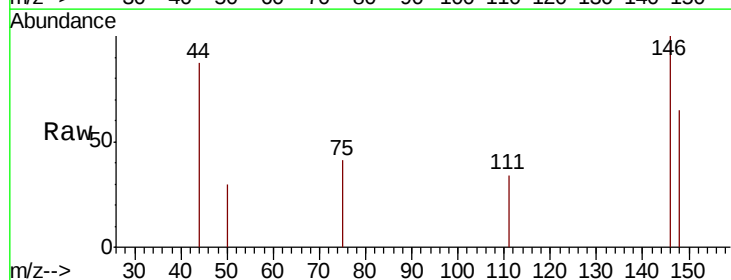
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB01-180911

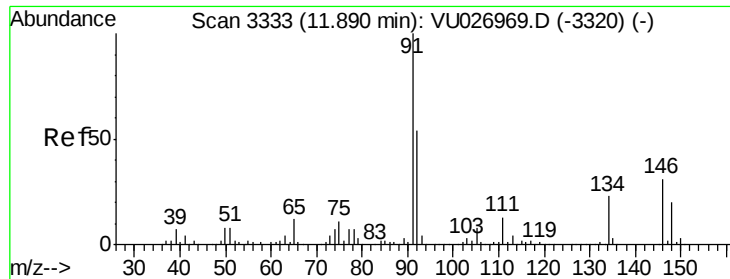
Tgt Ion:146 Resp: 675
 Ion Ratio Lower Upper
 146 100
 111 30.7 20.8 62.2
 148 51.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.229 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.09 min
 Lab File: VU026978.D
 Acq: 21 Sep 2018 19:42

Tgt Ion:146 Resp: 675
 Ion Ratio Lower Upper
 146 100
 111 30.7 20.3 60.9
 148 51.6 31.9 95.9





#89

n-Butylbenzene

Concen: 2.525 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BP-TB01-180911

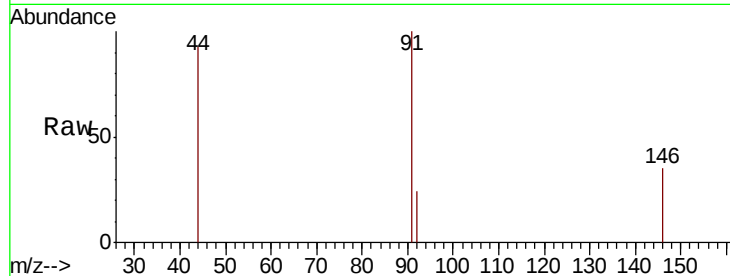
Tgt Ion: 91 Resp: 750

Ion Ratio Lower Upper

91 100

92 32.3 27.1 81.2

134 10.0 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) (-)

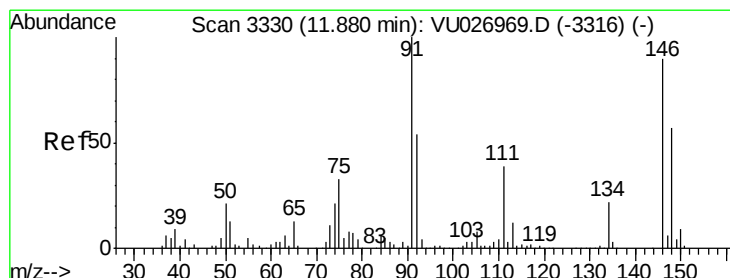
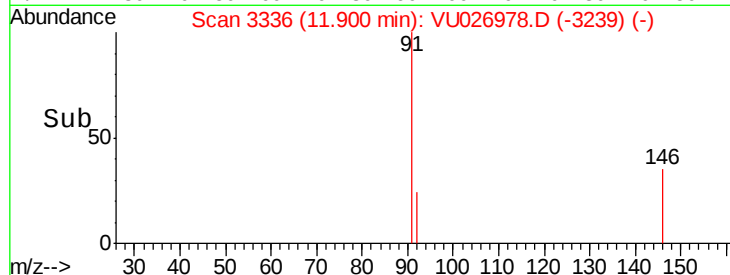
11.90

400

200

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.221 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VU026978.D

Acq: 21 Sep 2018 19:42

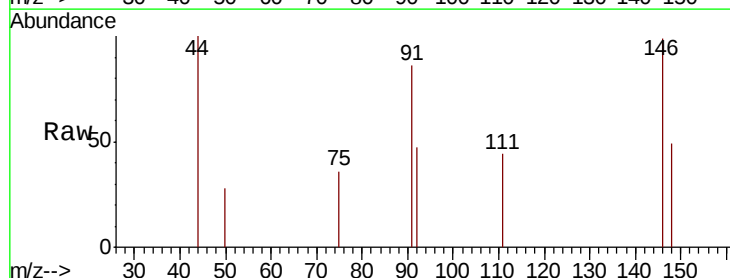
Tgt Ion: 146 Resp: 633

Ion Ratio Lower Upper

146 100

111 36.0 21.8 65.3

148 49.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): VU026969.D (-3316) (-)

Ion 110.90 (110.60 to 111.60): VU026969.D (-3316) (-)

Ion 147.90 (147.60 to 148.60): VU026969.D (-3316) (-)

11.89

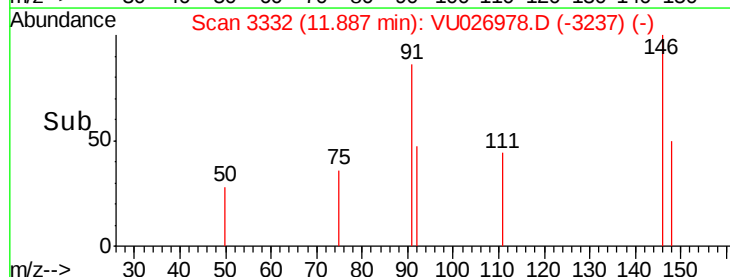
400

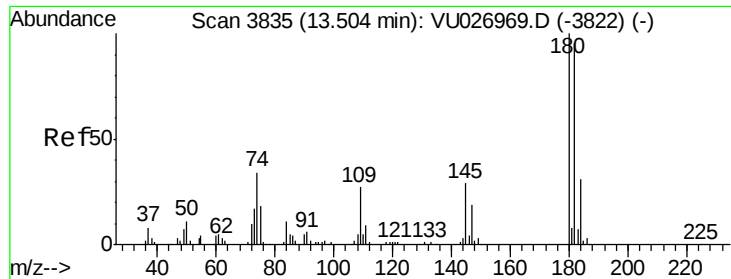
200

100

0

Time-->

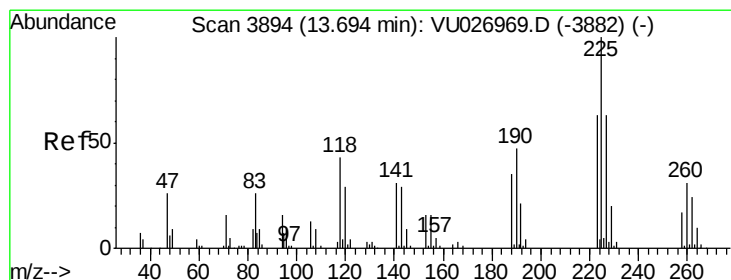
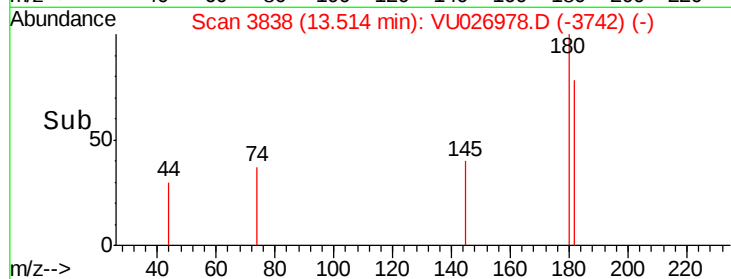
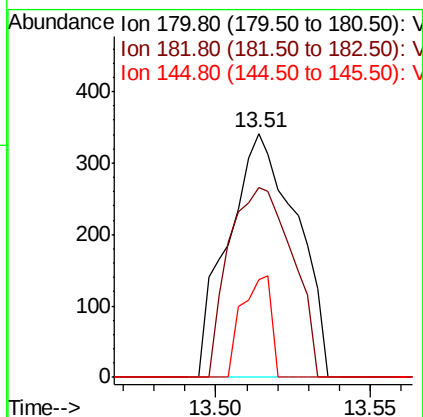
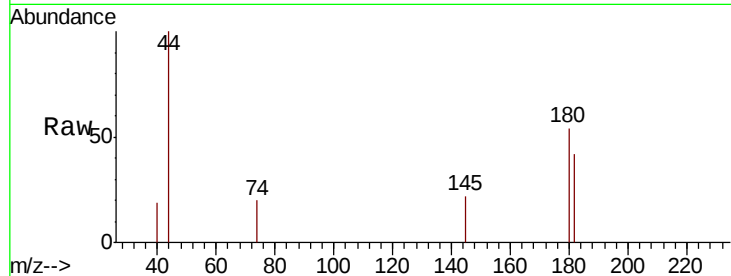




#93
 1,2,4-Trichlorobenzene
 Concen: 0.318 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026978.D
 Acq: 21 Sep 2018 19:42

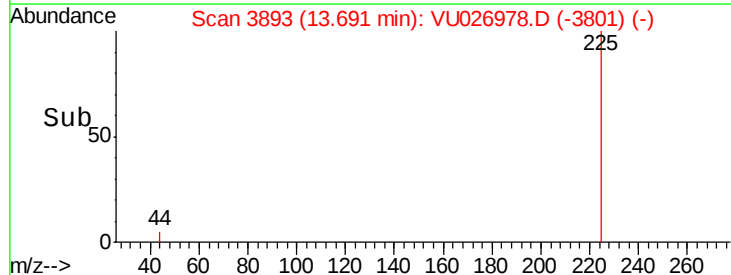
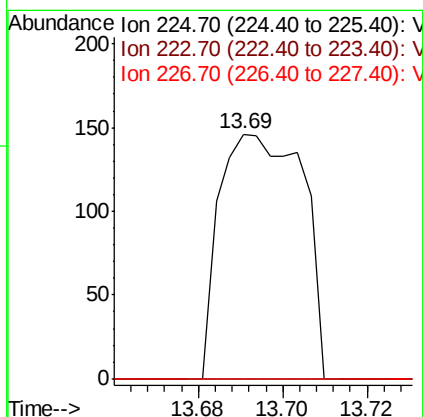
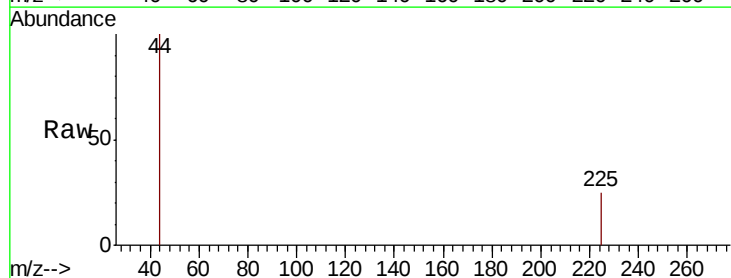
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB01-180911

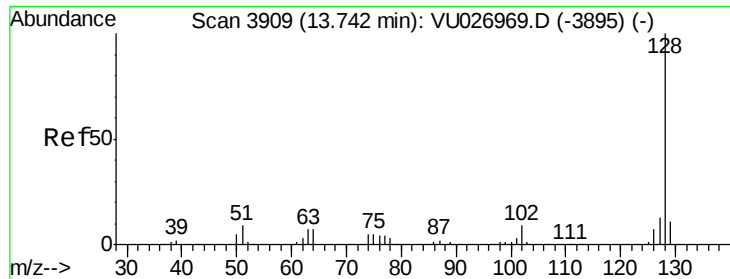
Tgt Ion:180 Resp: 526
 Ion Ratio Lower Upper
 180 100
 182 72.6 47.4 142.2
 145 17.9 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.229 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU026978.D
 Acq: 21 Sep 2018 19:42

Tgt Ion:225 Resp: 200
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.9 95.7#
 227 0.0 32.1 96.5#





#95

Naphthalene

Concen: 1.882 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU026978.D

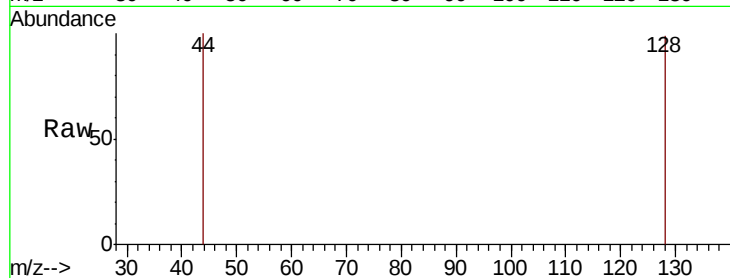
Acq: 21 Sep 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

BP-TB01-180911



Tgt Ion:128 Resp: 1290

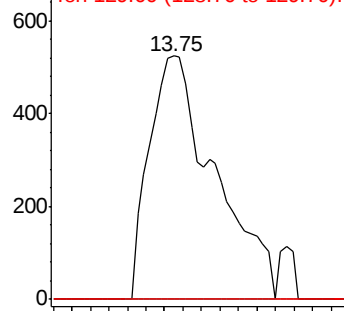
Ion Ratio Lower Upper

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): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 13.70 13.75 13.80

