

Data File : VU027012.D
Acq On : 22 Sep 2018 13:37
Operator : MD/SY
Sample : BFB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Sep 24 02:49:00 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

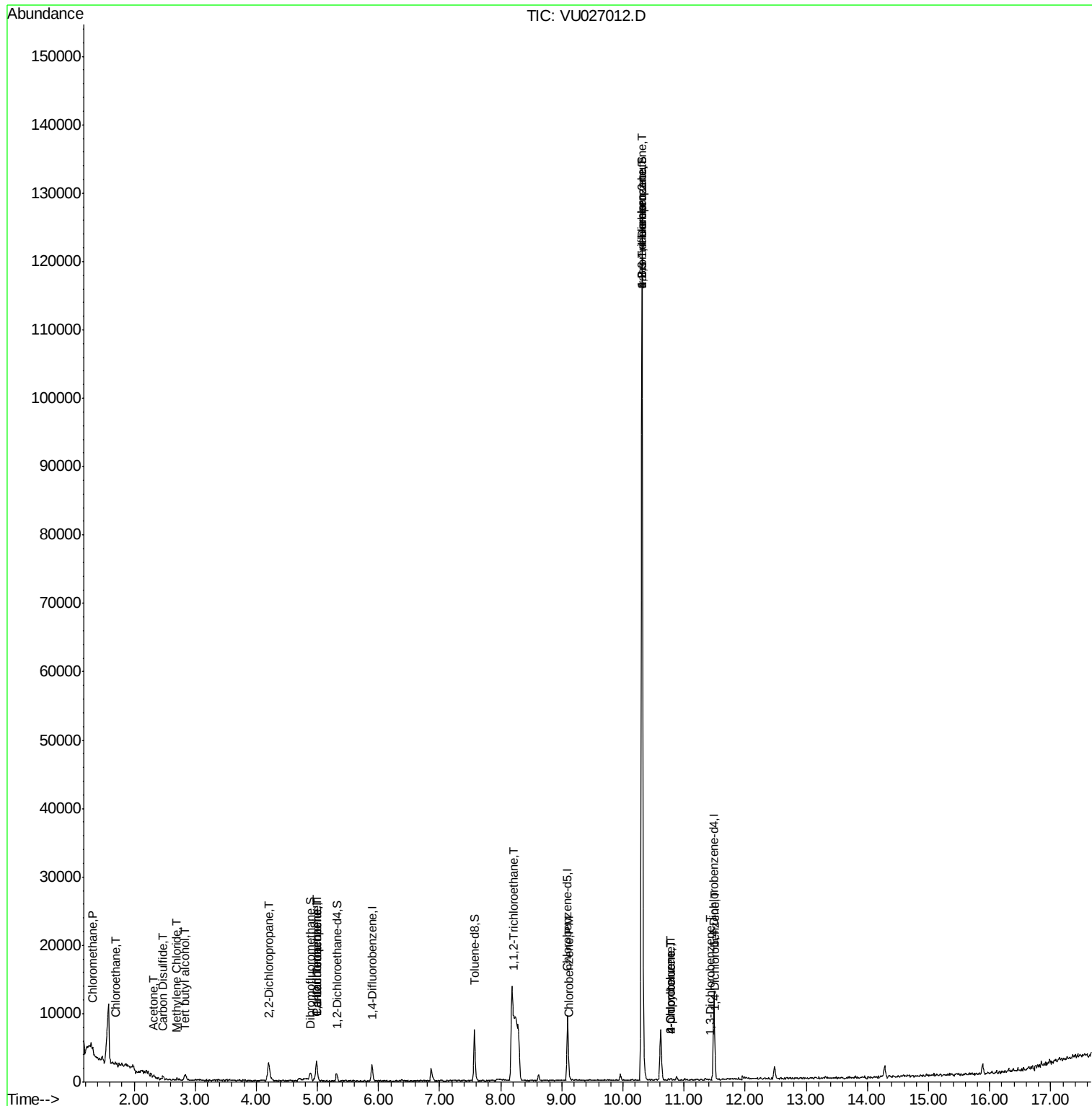
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	2508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2682	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	5481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	3529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	1098	21.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.50%	
35) Dibromofluoromethane	4.89	113	793	34.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.22%	
50) Toluene-d8	7.57	98	5417	61.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.28%	
62) 4-Bromofluorobenzene	10.31	95	43468	1429.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2859.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	147	2.604	ug/l #	42
6) Chloroethane	1.70	64	214	6.355	ug/l #	43
11) Tert butyl alcohol	2.83	59	680	58.773	ug/l #	72
16) Acetone	2.32	43	555	4.401	ug/l	89
17) Carbon Disulfide	2.48	76	516	4.573	ug/l #	75
20) Methylene Chloride	2.70	84	46	1.018	ug/l #	45
26) 2,2-Dichloropropane	4.20	77	45	0.697	ug/l #	55
36) 1,1-Dichloropropene	4.98	75	281	7.850	ug/l #	43
38) Carbon Tetrachloride	4.97	117	94	2.760	ug/l #	13
55) 1,1,2-Trichloroethane	8.22	97	27	1.022	ug/l #	13
65) Chlorobenzene	9.12	112	92	0.633	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	23849	222.451	ug/l #	36
78) n-propylbenzene	10.78	91	103	0.324	ug/l #	55
79) 2-Chlorotoluene	10.78	91	103	0.516	ug/l #	43
81) trans-1,4-Dichloro-2-buten	10.31	75	23849	711.883	ug/l #	100
82) 4-Chlorotoluene	10.78	91	103	0.460	ug/l #	47
87) 1,3-Dichlorobenzene	11.42	146	40	0.328	ug/l #	24
88) 1,4-Dichlorobenzene	11.52	146	281	2.112	ug/l #	30

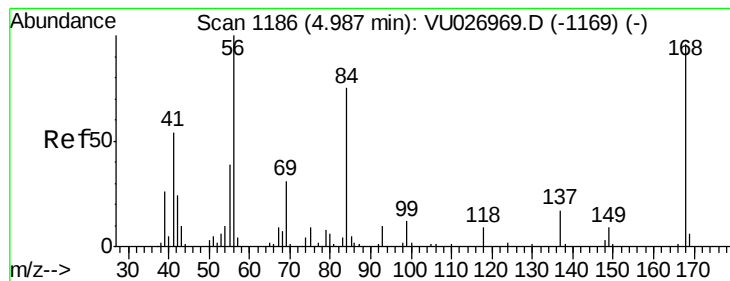
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU027012.D

Acq: 22 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

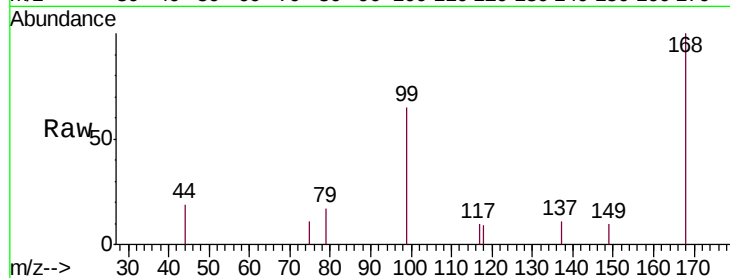
BFB

Tgt Ion:168 Resp: 2508

Ion Ratio Lower Upper

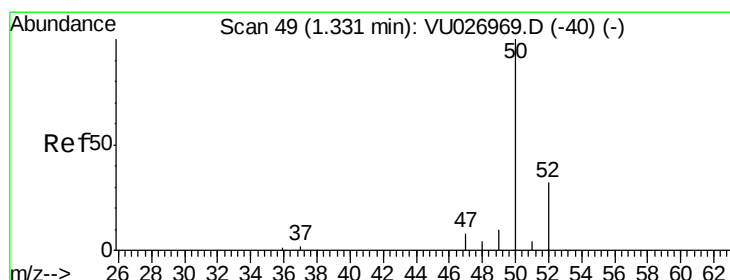
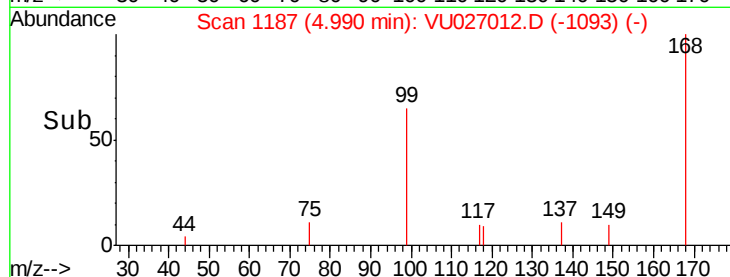
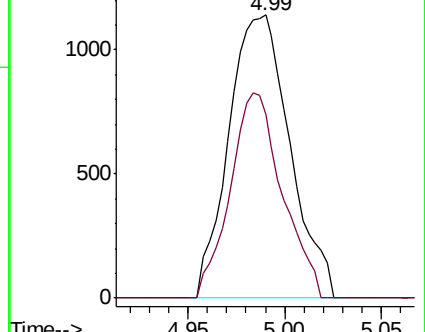
168 100

99 65.0 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) (-)



#3

Chloromethane

Concen: 2.604 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027012.D

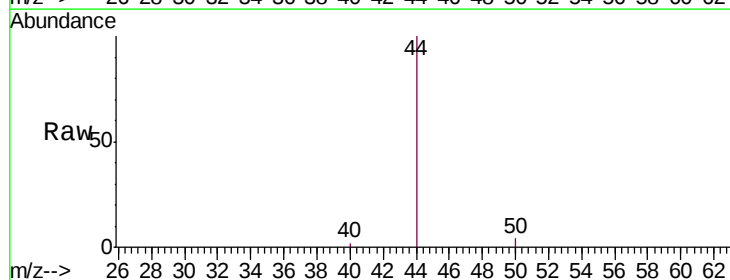
Acq: 22 Sep 2018 13:37

Tgt Ion: 50 Resp: 147

Ion Ratio Lower Upper

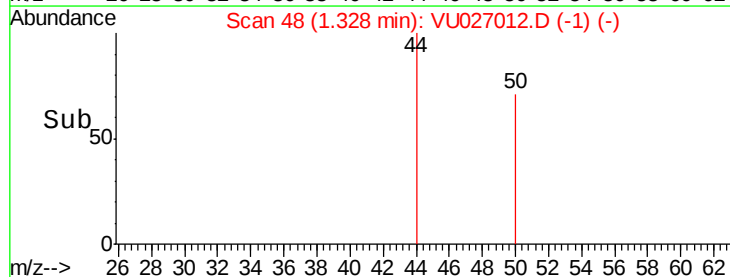
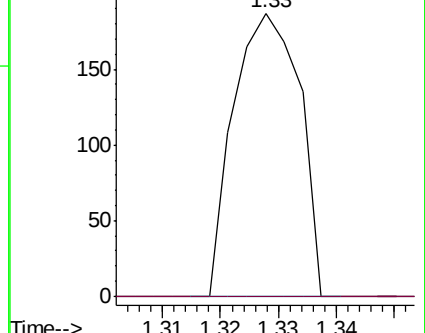
50 100

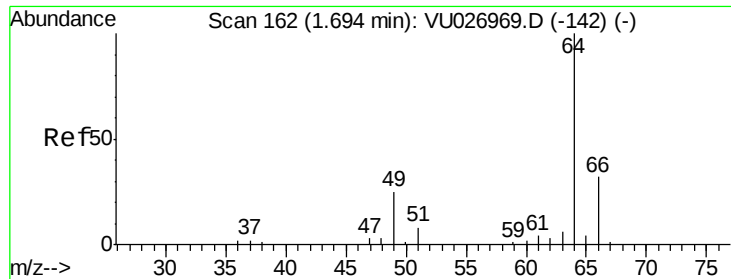
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)





#6

Chloroethane

Concen: 6.355 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027012.D

Acq: 22 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

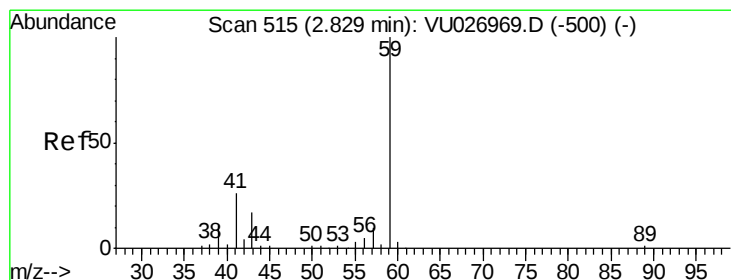
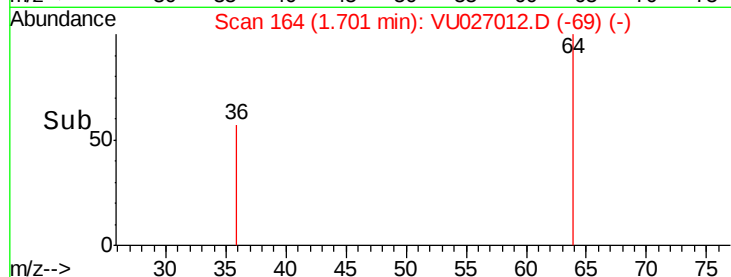
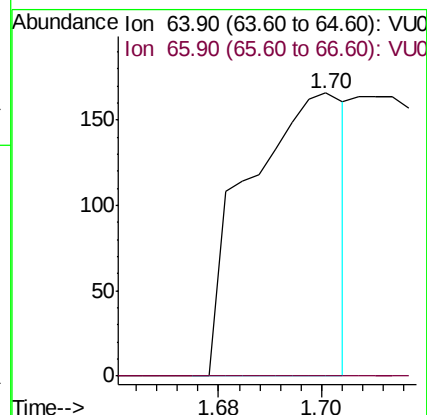
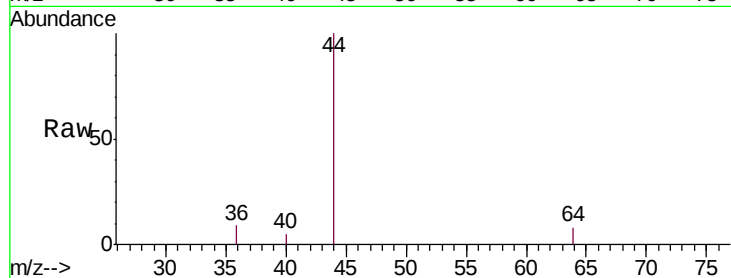
BFB

Tgt Ion: 64 Resp: 214

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#11

Tert butyl alcohol

Concen: 58.773 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027012.D

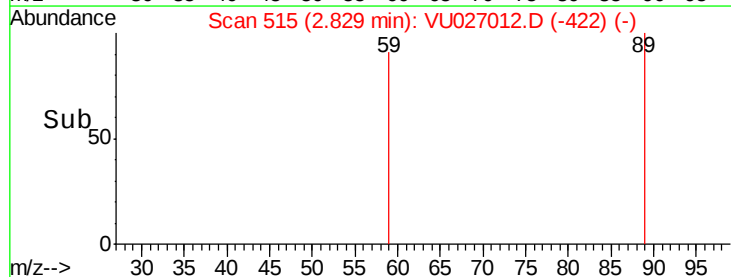
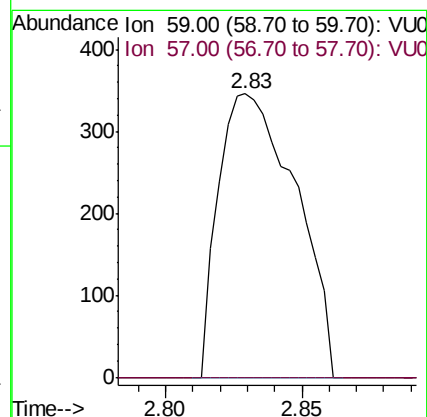
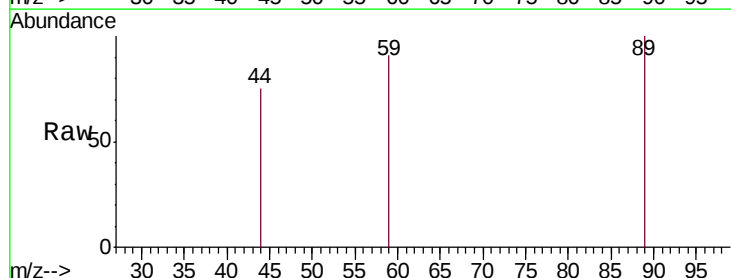
Acq: 22 Sep 2018 13:37

Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 4.401 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027012.D

Acq: 22 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

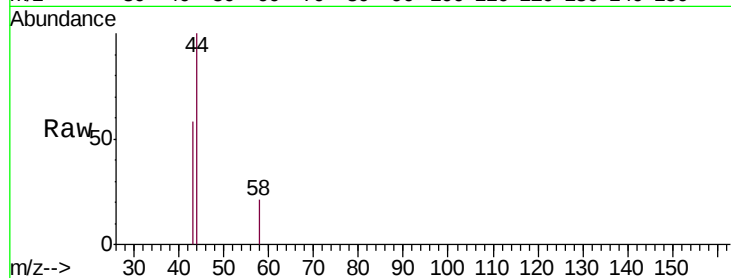
BFB

Tgt Ion: 43 Resp: 555

Ion Ratio Lower Upper

43 100

58 36.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

2.32

300

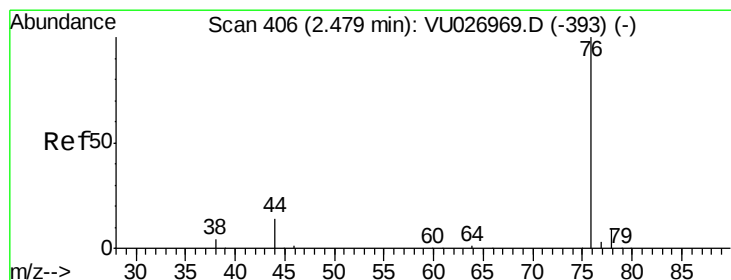
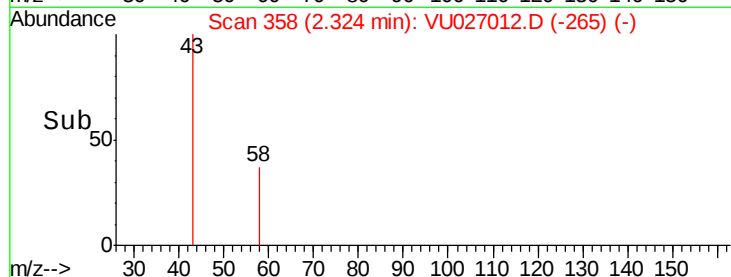
200

100

0

2.28 2.30 2.32 2.34 2.36

Time-->



#17

Carbon Disulfide

Concen: 4.573 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027012.D

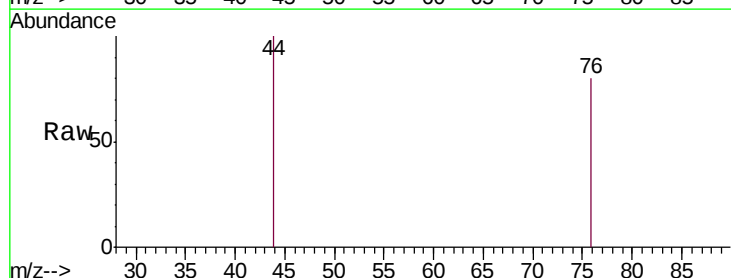
Acq: 22 Sep 2018 13:37

Tgt Ion: 76 Resp: 516

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

2.48

300

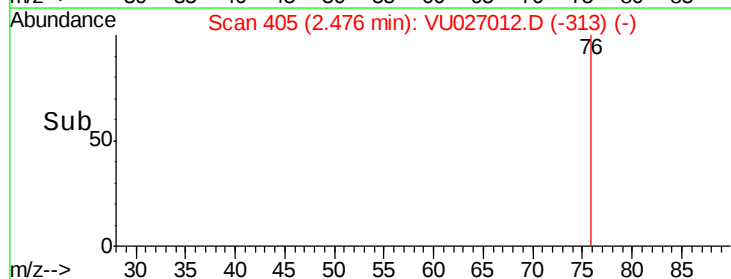
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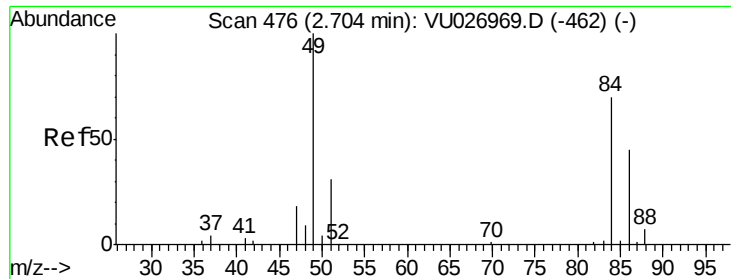
100

0

2.44 2.46 2.48 2.50

Time-->

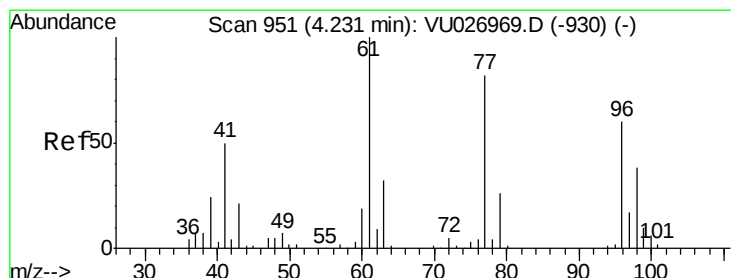
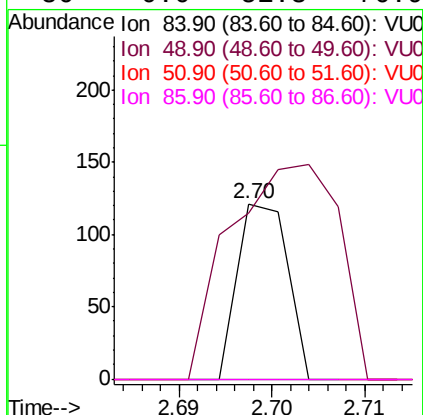
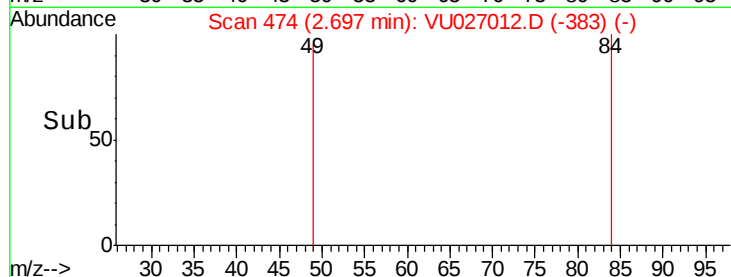
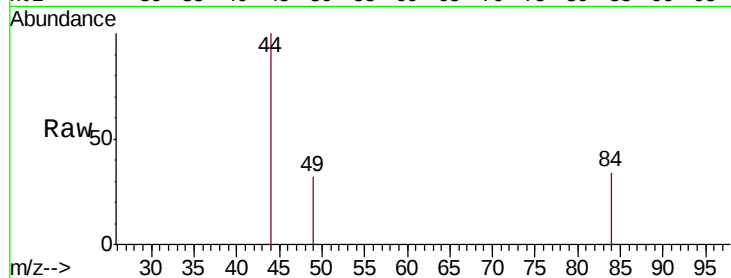




#20
Methylene Chloride
Concen: 1.018 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.01 min
Lab File: VU027012.D
Acq: 22 Sep 2018 13:37

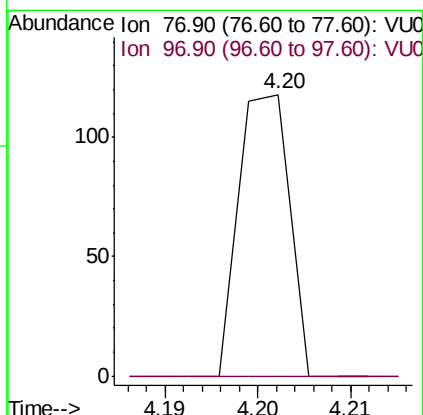
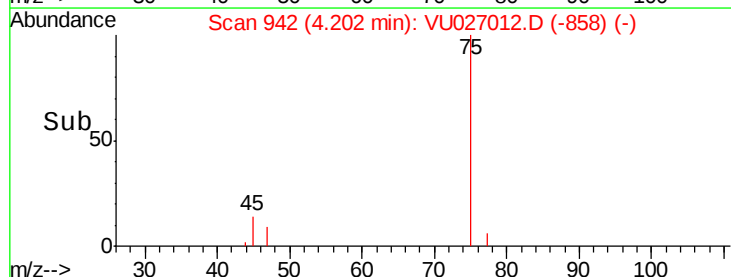
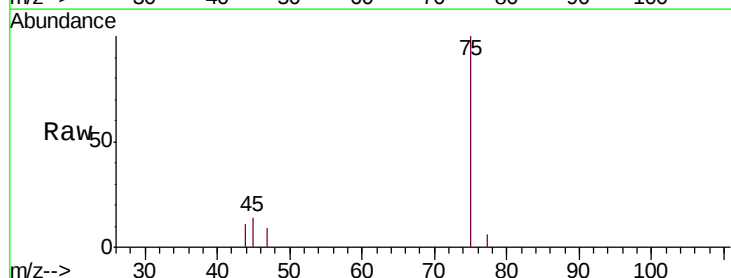
Instrument :
MSVOA_U
ClientSampled :
BFB

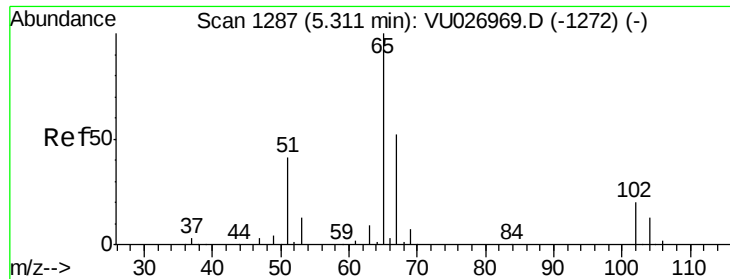
Tgt Ion:	84	Resp:	46
Ion	Ratio	Lower	Upper
84	100		
49	95.0	114.9	172.3#
51	0.0	35.8	53.8#
86	0.0	51.3	76.9#



#26
2,2-Dichloropropane
Concen: 0.697 ug/l
RT: 4.20 min Scan# 942
Delta R.T. -0.03 min
Lab File: VU027012.D
Acq: 22 Sep 2018 13:37

Tgt Ion:	77	Resp:	45
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.5	31.5#

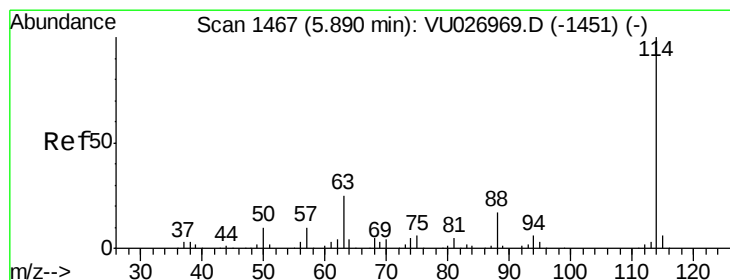
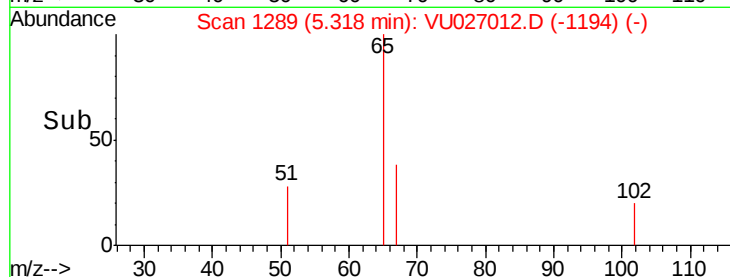
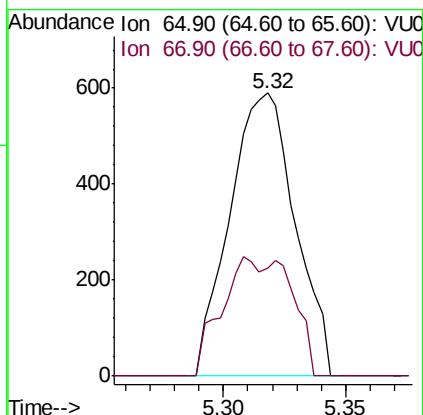
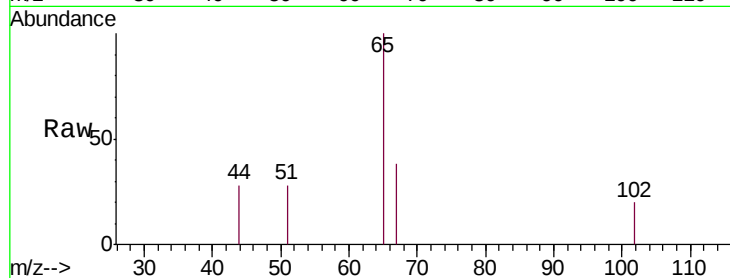




#33
 1,2-Dichloroethane-d4
 Concen: 21.752 ug/l
 RT: 5.32 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

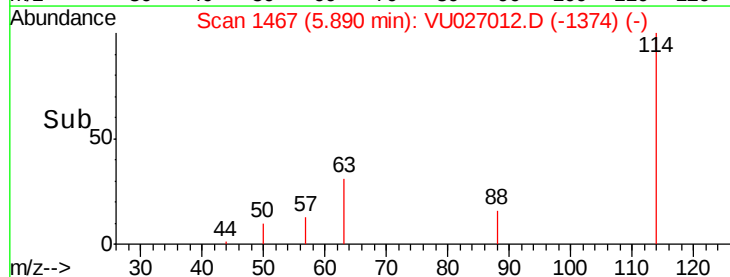
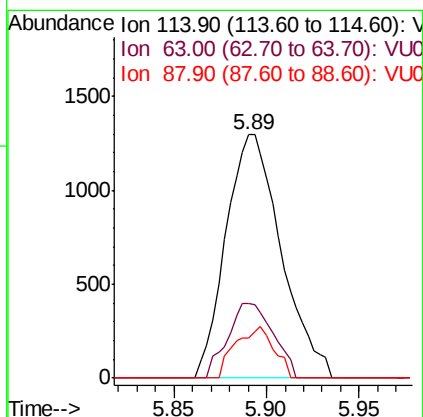
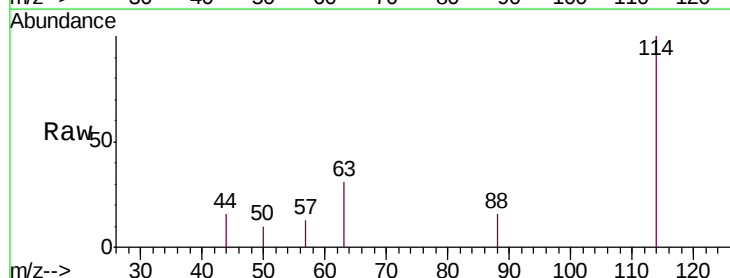
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

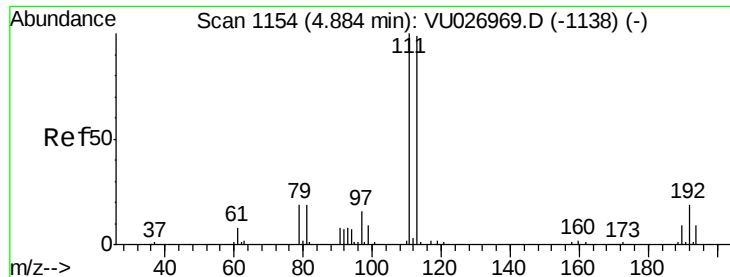
Tgt Ion: 65 Resp: 1098
 Ion Ratio Lower Upper
 65 100
 67 25.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

Tgt Ion: 114 Resp: 2682
 Ion Ratio Lower Upper
 114 100
 63 30.7 0.0 49.2
 88 16.5 0.0 33.8

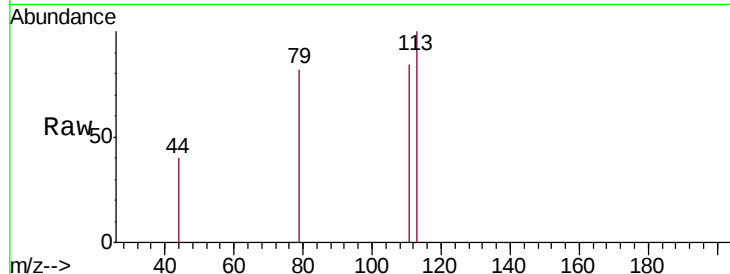




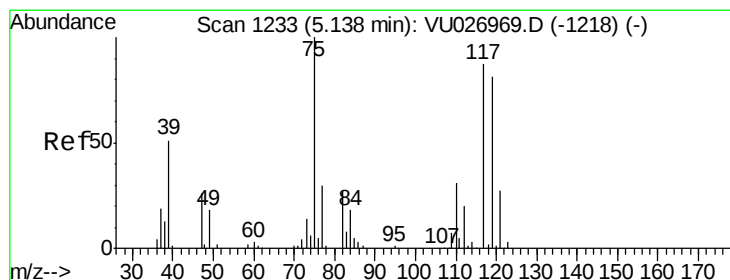
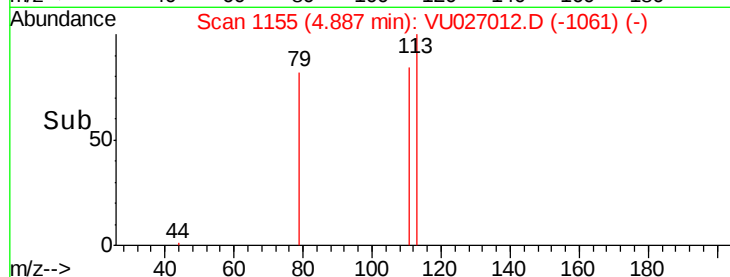
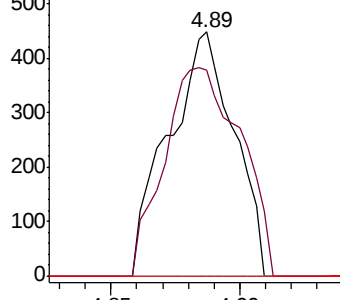
#35
 Dibromofluoromethane
 Concen: 34.111 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:113 Resp: 793
 Ion Ratio Lower Upper
 113 100
 111 99.6 82.2 123.4
 192 0.0 15.2 22.8#

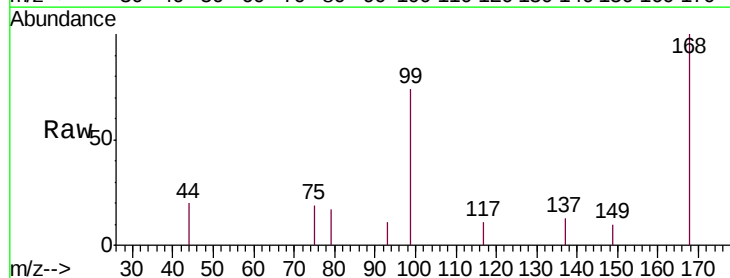


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

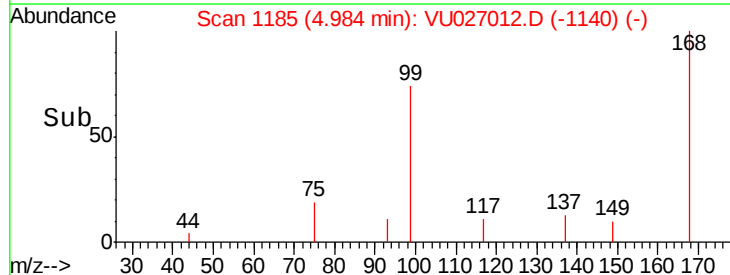
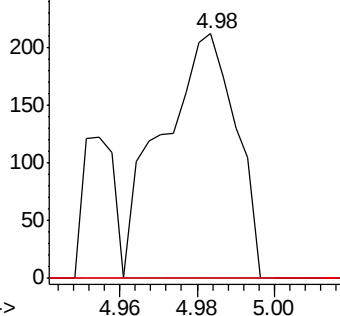


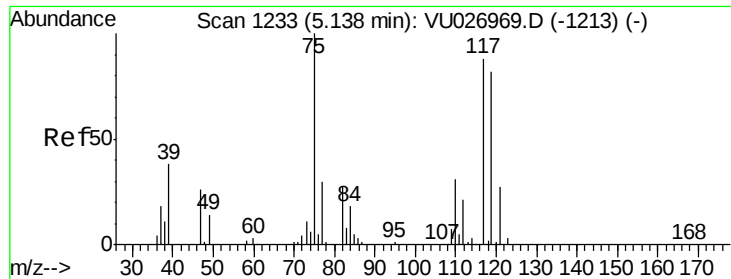
#36
 1,1-Dichloropropene
 Concen: 7.850 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

Tgt Ion: 75 Resp: 281
 Ion Ratio Lower Upper
 75 100
 110 0.0 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

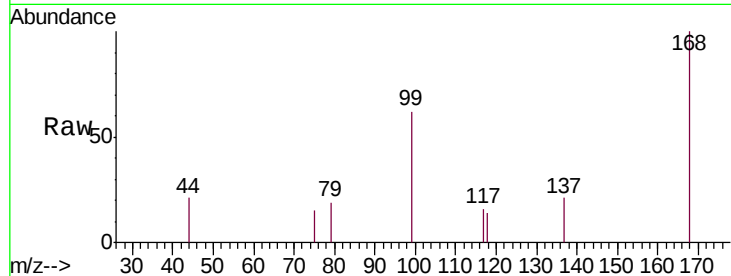




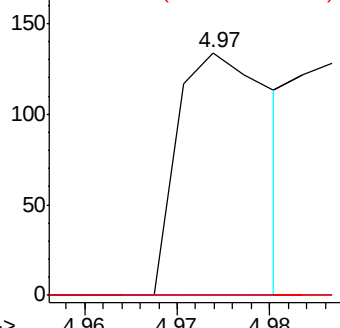
#38
Carbon Tetrachloride
Concen: 2.760 ug/l
RT: 4.97 min Scan# 1182
Delta R.T. -0.16 min
Lab File: VU027012.D
Acq: 22 Sep 2018 13:37

Instrument :
MSVOA_U
ClientSampleId :
BFB

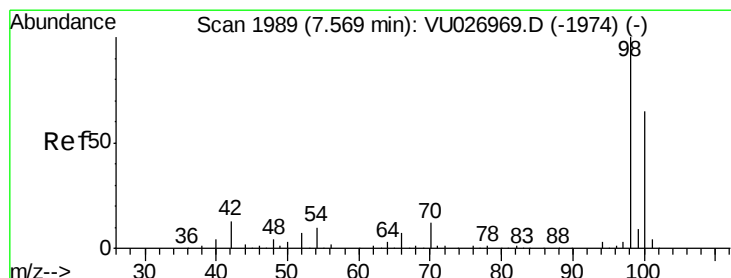
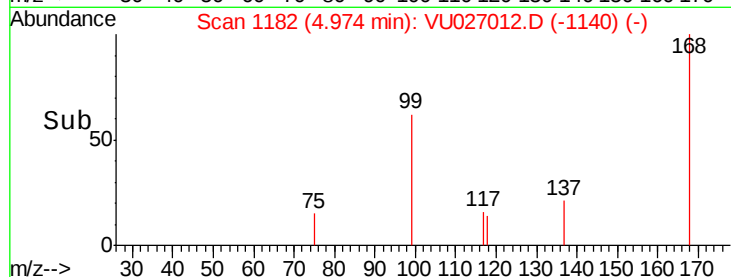
Tgt Ion:117 Resp: 94
Ion Ratio Lower Upper
117 100
119 0.0 74.4 111.6#
121 0.0 24.2 36.4#



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

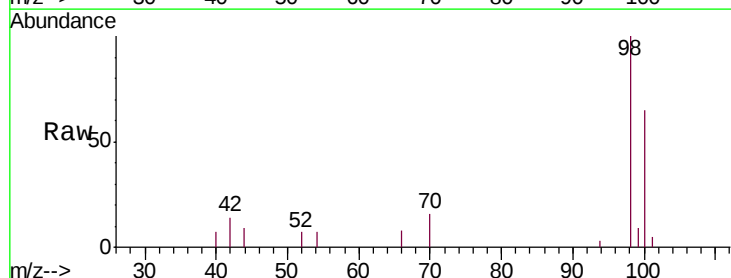


Time-->

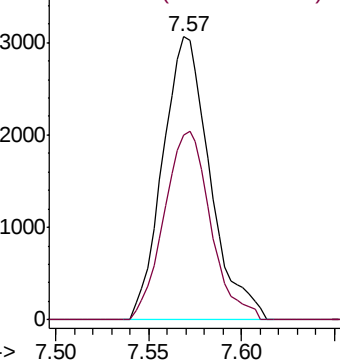


#50
Toluene-d8
Concen: 61.142 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027012.D
Acq: 22 Sep 2018 13:37

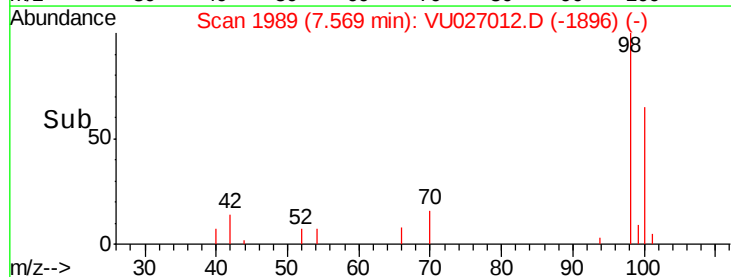
Tgt Ion: 98 Resp: 5417
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

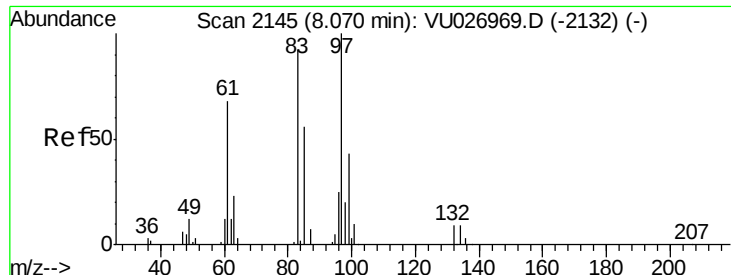


Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU



Time-->

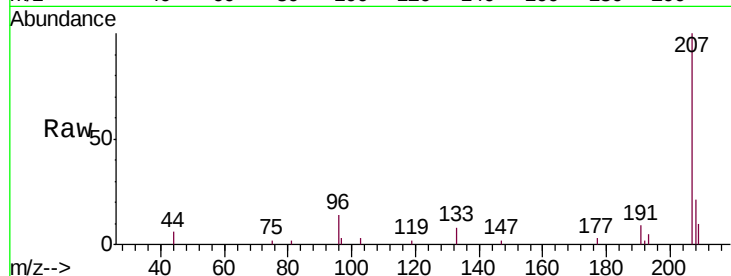




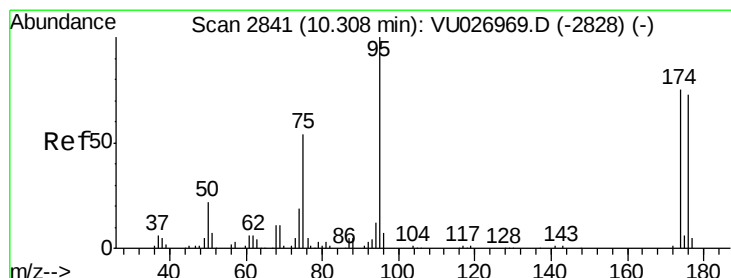
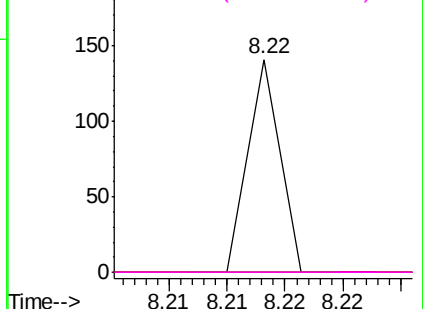
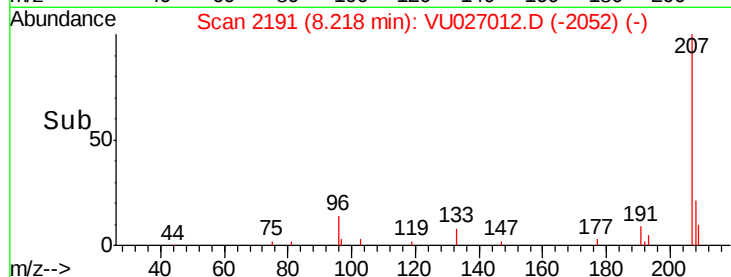
#55
 1,1,2-Trichloroethane
 Concen: 1.022 ug/l
 RT: 8.22 min Scan# 2191
 Delta R.T. 0.15 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 97 Resp: 27
 Ion Ratio Lower Upper
 97 100
 83 0.0 73.1 109.7#
 85 0.0 46.7 70.1#
 99 0.0 50.0 75.0#

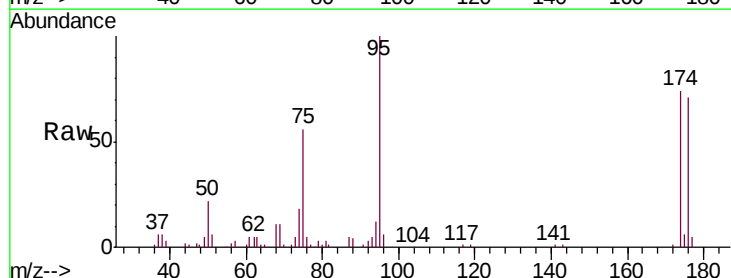


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

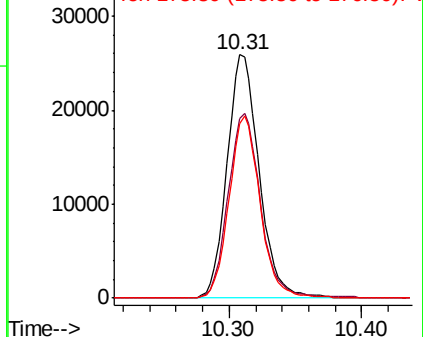
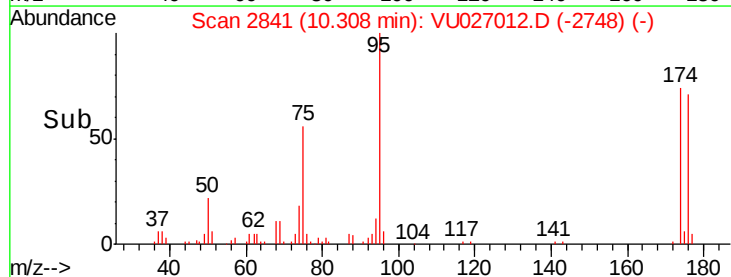


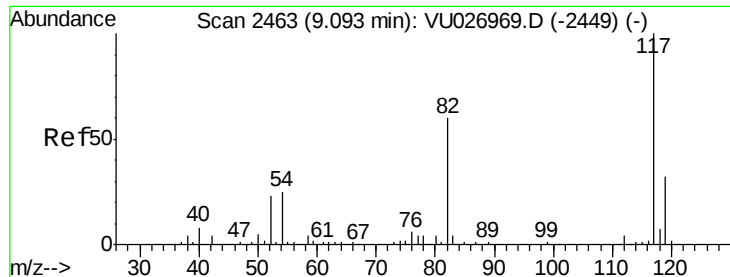
#62
 4-Bromofluorobenzene
 Concen: 1429.839 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

Tgt Ion: 95 Resp: 43468
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 150.2
 176 72.5 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

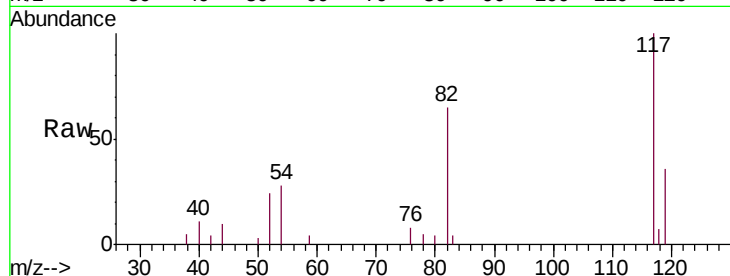




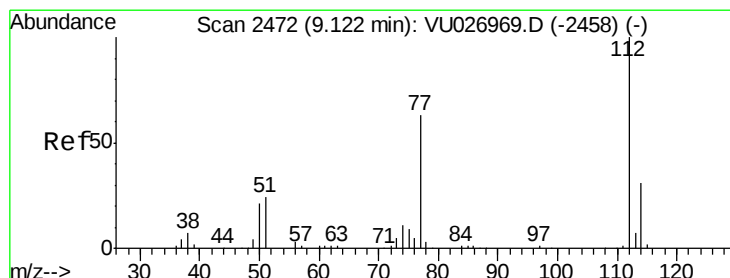
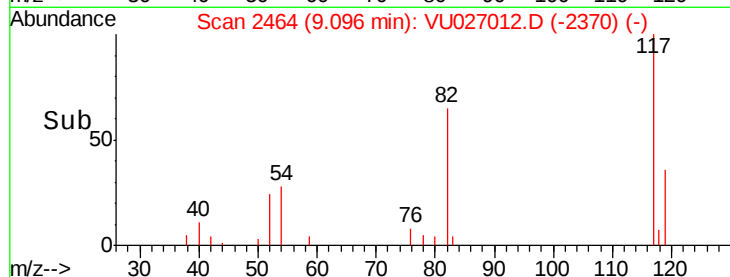
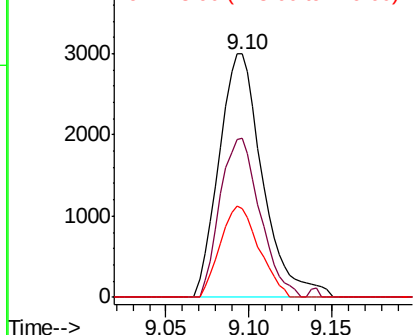
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VU027012.D
Acq: 22 Sep 2018 13:37

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 5481
Ion Ratio Lower Upper
117 100
82 65.4 48.0 72.0
119 36.4 25.8 38.8

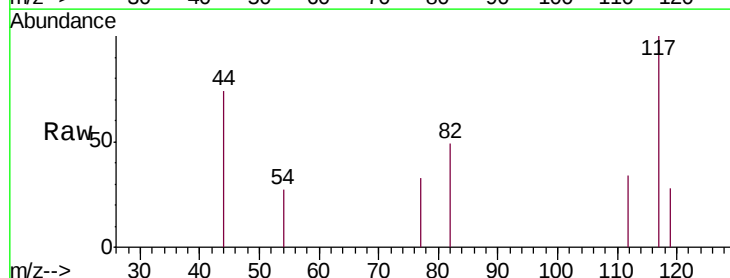


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

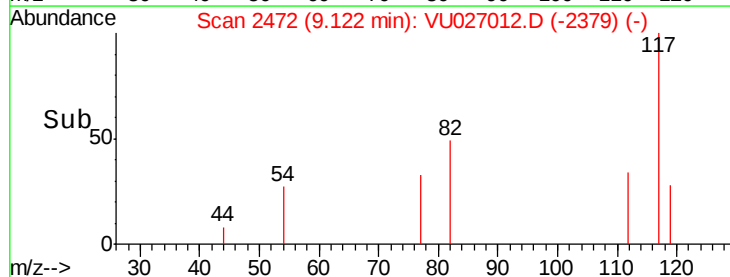
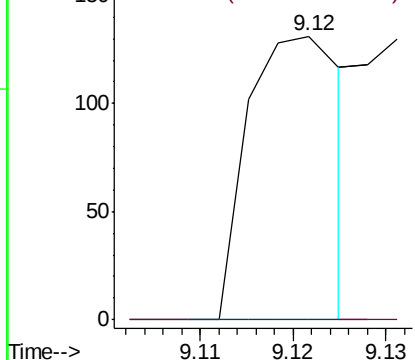


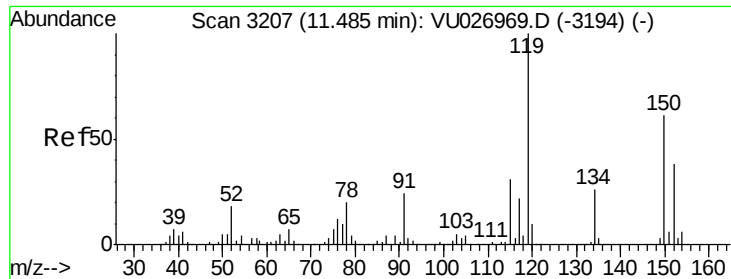
#65
Chlorobenzene
Concen: 0.633 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027012.D
Acq: 22 Sep 2018 13:37

Tgt Ion:112 Resp: 92
Ion Ratio Lower Upper
112 100
114 0.0 25.0 37.6#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU027012.D

Acq: 22 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

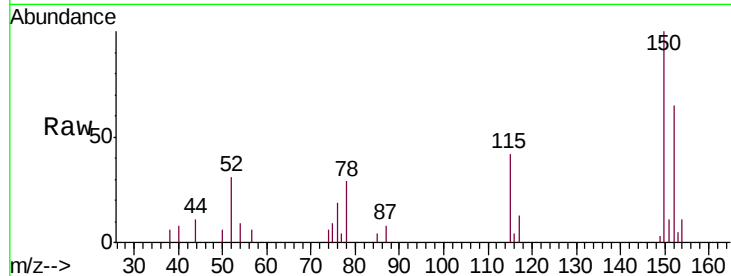
Tgt Ion:152 Resp: 3529

Ion Ratio Lower Upper

152 100

115 61.0 44.9 134.5

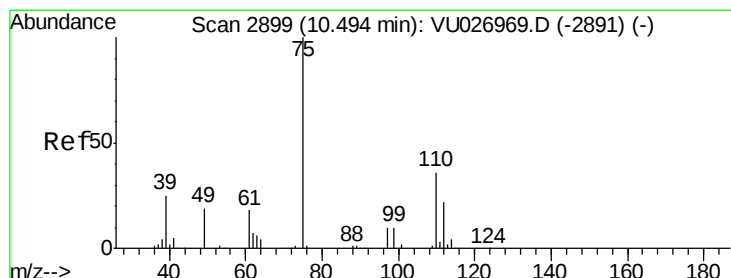
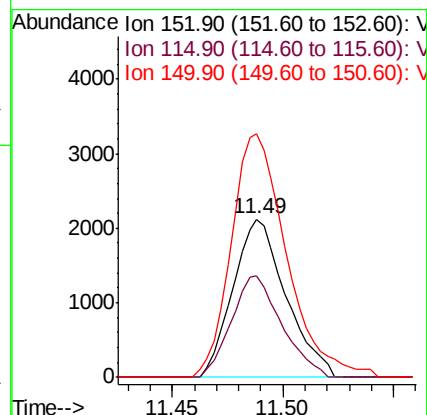
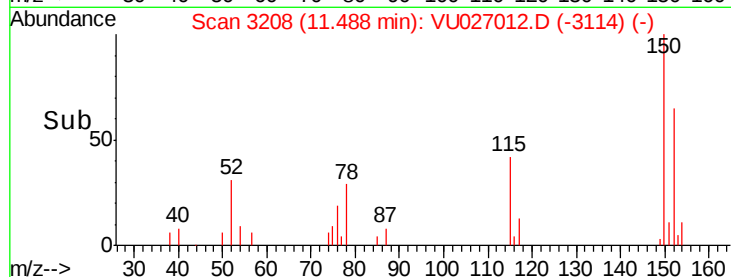
150 161.0 0.0 355.8



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: 222.451 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027012.D

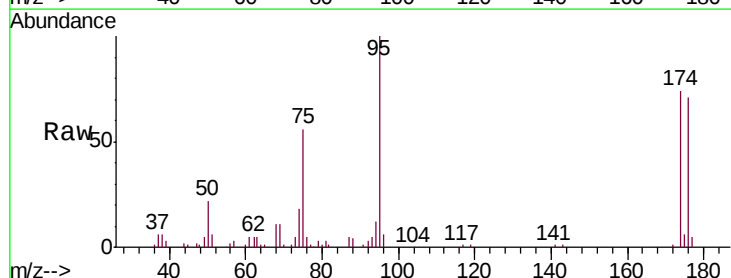
Acq: 22 Sep 2018 13:37

Tgt Ion: 75 Resp: 23849

Ion Ratio Lower Upper

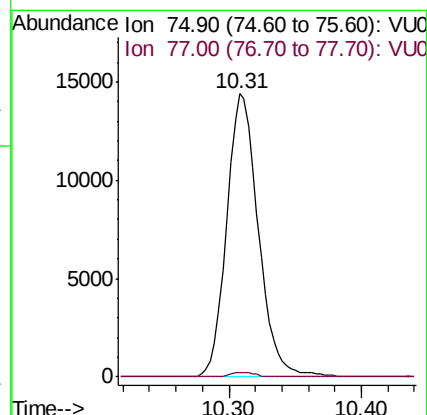
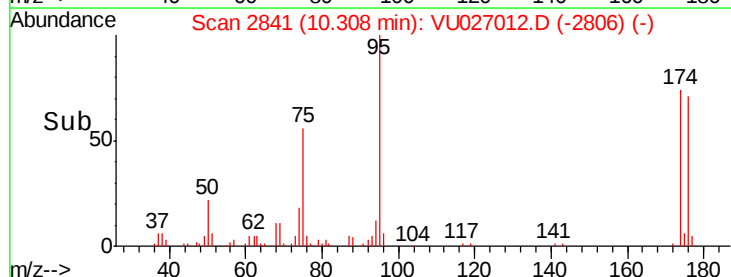
75 100

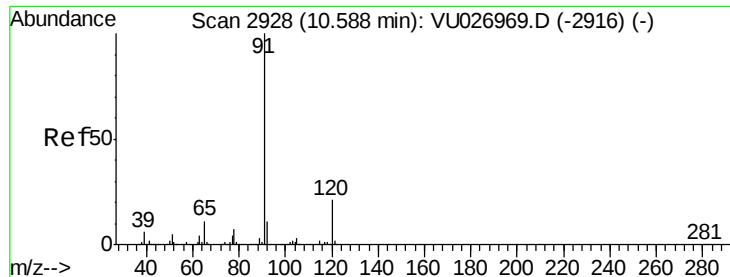
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.324 ug/l

RT: 10.78 min Scan# 2988

Delta R.T. 0.19 min

Lab File: VU027012.D

Acq: 22 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampled :

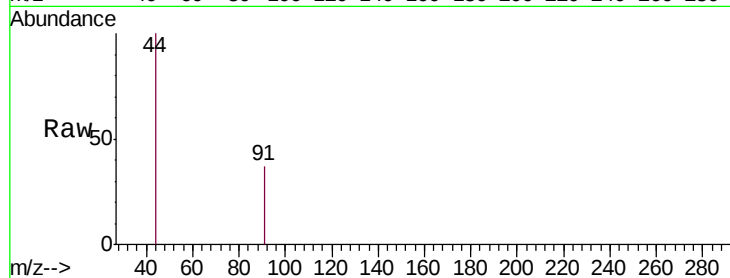
BFB

Tgt Ion: 91 Resp: 103

Ion Ratio Lower Upper

91 100

120 0.0 10.6 31.8#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.78

150

100

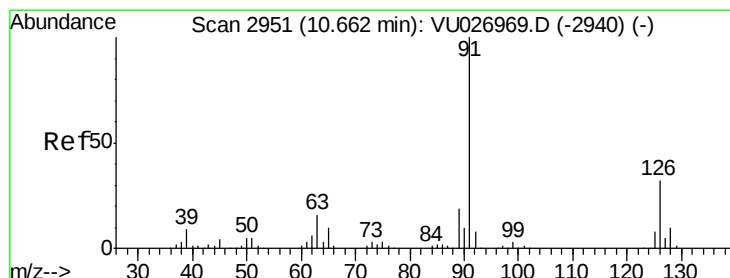
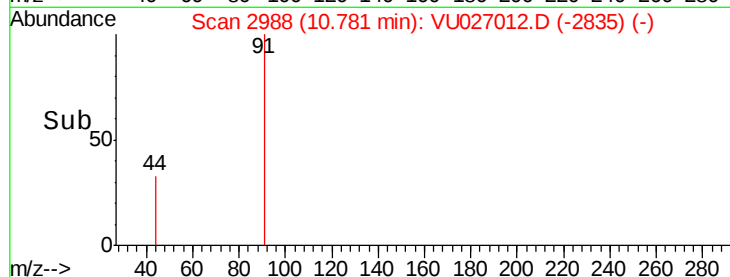
50

0

Time--> 10.76

10.78

10.80



#79

2-Chlorotoluene

Concen: 0.516 ug/l

RT: 10.78 min Scan# 2988

Delta R.T. 0.12 min

Lab File: VU027012.D

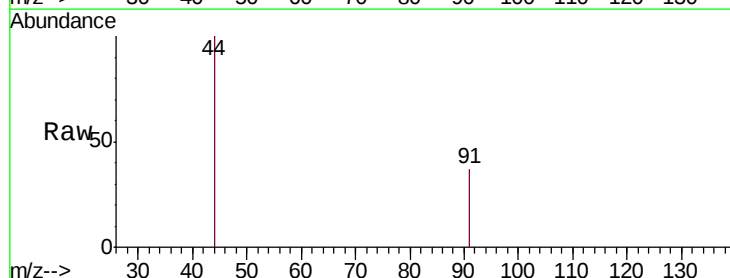
Acq: 22 Sep 2018 13:37

Tgt Ion: 91 Resp: 103

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

10.78

150

100

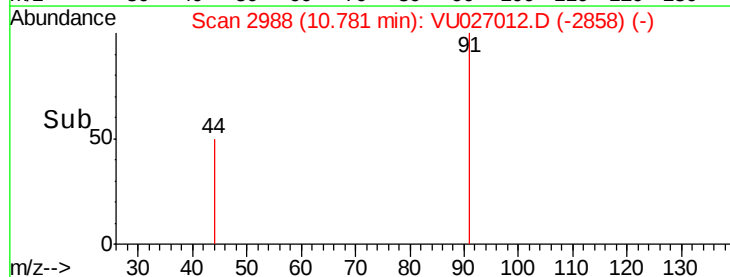
50

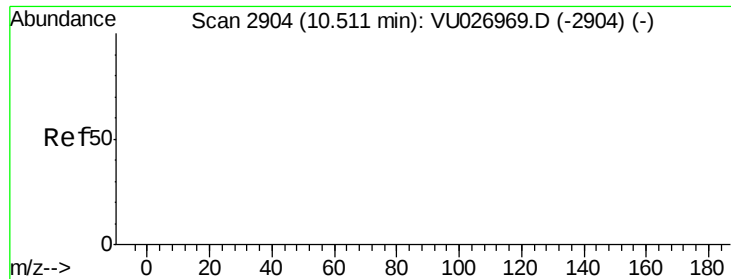
0

Time--> 10.76

10.78

10.80





#81

trans-1,4-Dichloro-2-butene

Concen: 711.883 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027012.D

Acq: 22 Sep 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

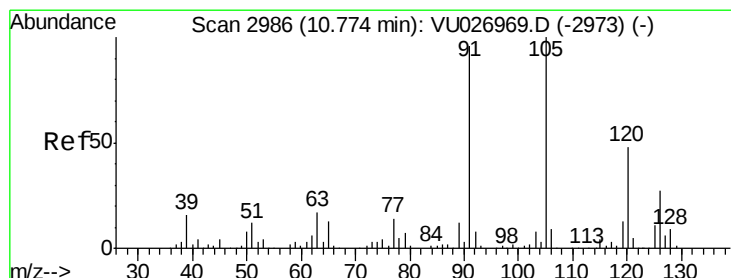
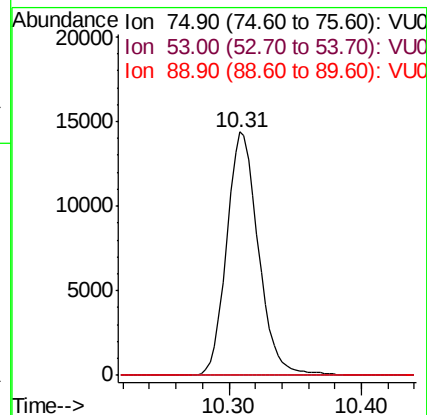
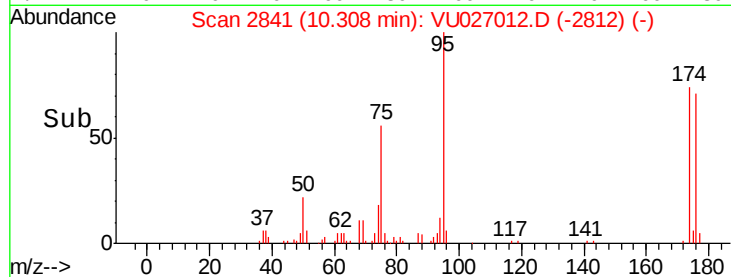
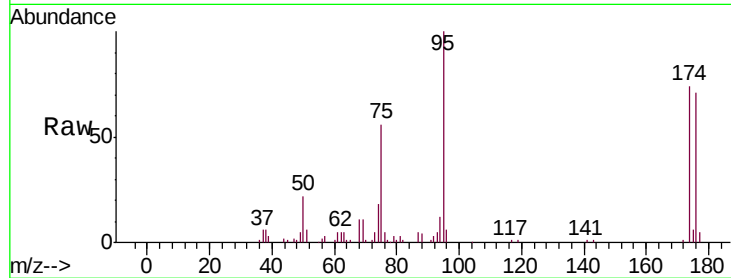
Tgt Ion: 75 Resp: 23849

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 0.460 ug/l

RT: 10.78 min Scan# 2988

Delta R.T. 0.01 min

Lab File: VU027012.D

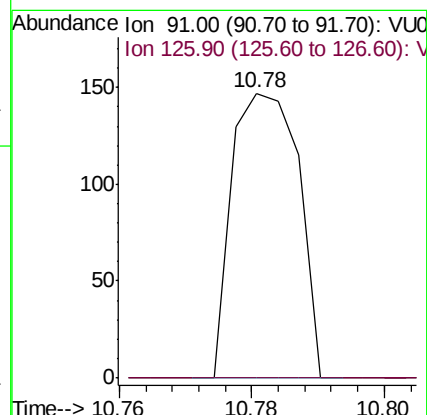
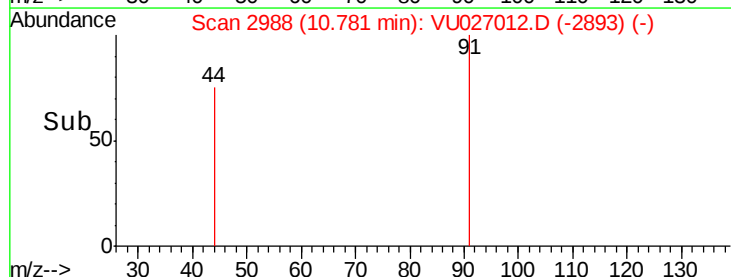
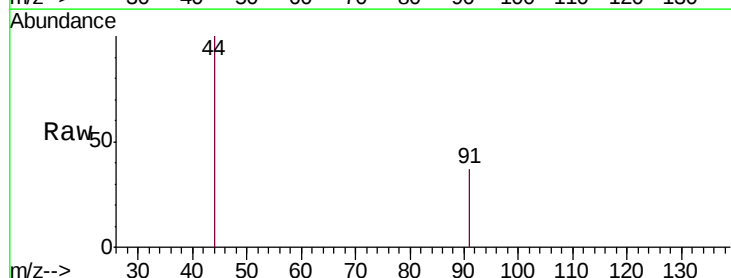
Acq: 22 Sep 2018 13:37

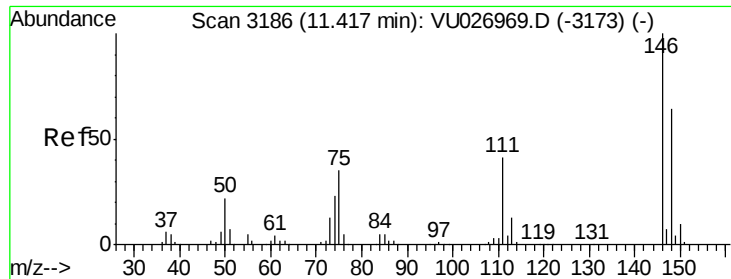
Tgt Ion: 91 Resp: 103

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.2#

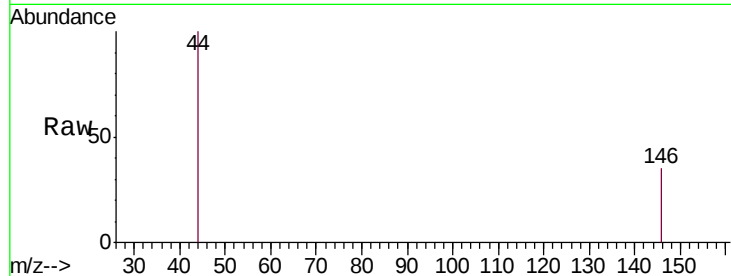




#87
 1,3-Dichlorobenzene
 Concen: 0.328 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

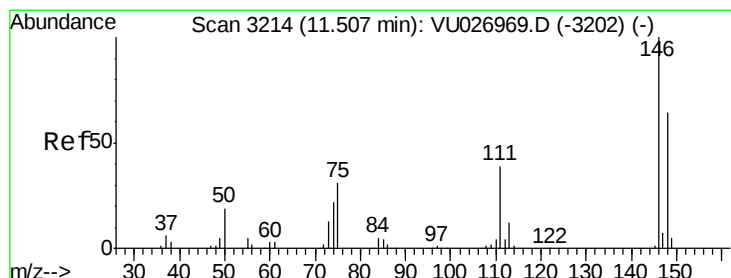
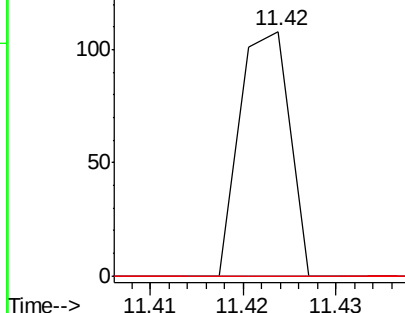
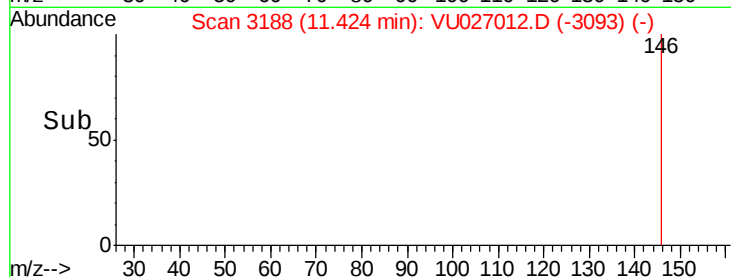
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	0.0	32.0	96.2#



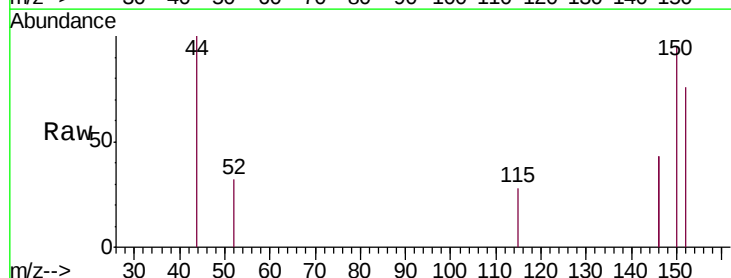
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

11.42



#88
 1,4-Dichlorobenzene
 Concen: 2.112 ug/l
 RT: 11.52 min Scan# 3217
 Delta R.T. 0.01 min
 Lab File: VU027012.D
 Acq: 22 Sep 2018 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	6.8	31.9	95.9#



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

11.52

