

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026980.D
 Acq On : 21 Sep 2018 20:28
 Operator : MD/SY
 Sample : J4916-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-PZ0511-20180911

Quant Time: Sep 22 02:23:11 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	77982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	155512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	155029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90689	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	
35) Dibromofluoromethane	4.89	113	68884	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	7.57	98	248786	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	10.31	95	84204	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

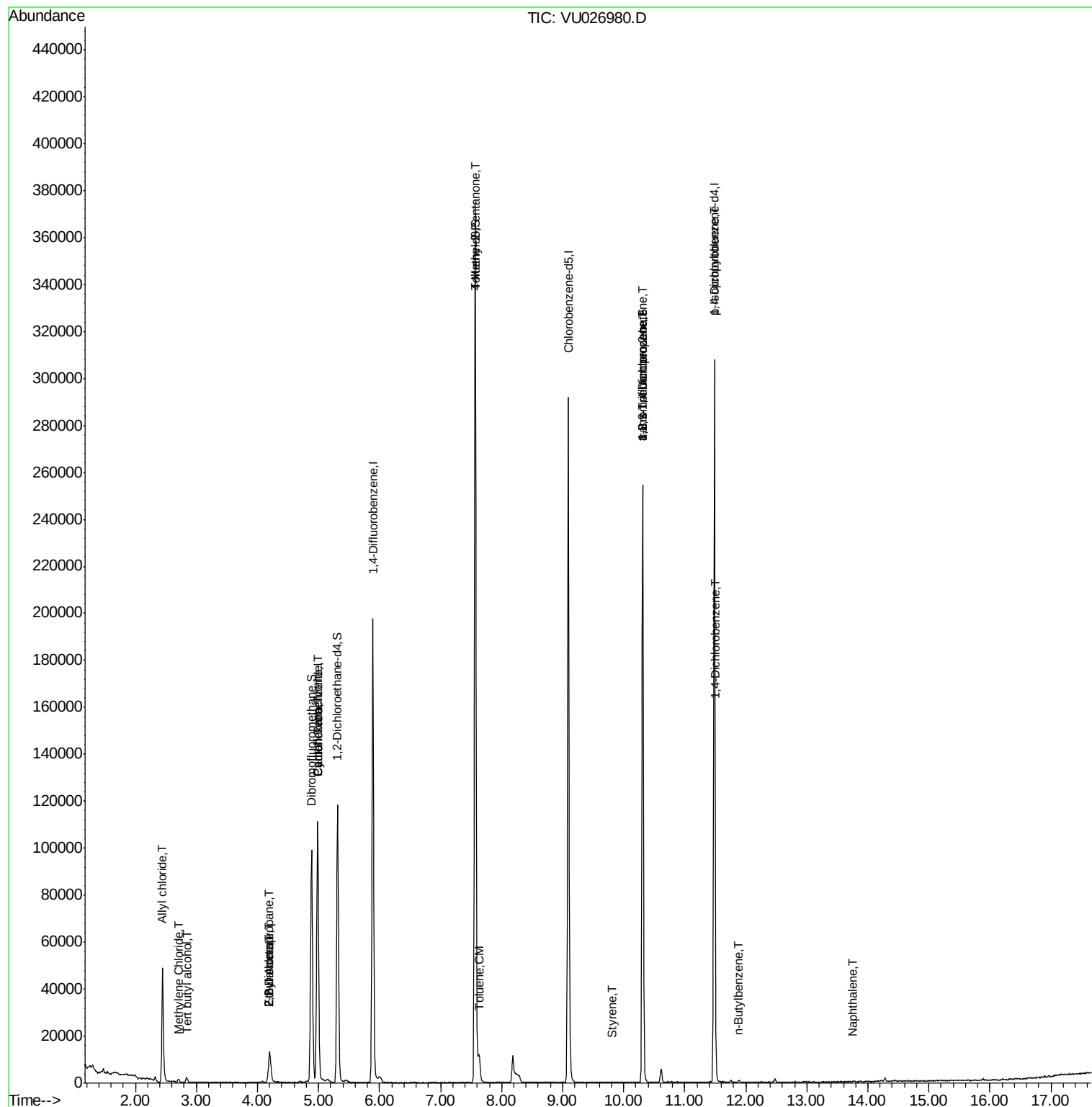
						Qvalue
11) Tert butyl alcohol	2.84	59	1569	4.361	ug/l #	72
14) Allyl chloride	2.45	41	4933	2.258	ug/l #	75
16) Acetone	2.32	43	2231	Below Cal		94
20) Methylene Chloride	2.70	84	654	0.465	ug/l #	79
25) 2-Butanone	4.20	43	669	0.507	ug/l #	53
26) 2,2-Dichloropropane	4.20	77	827	0.412	ug/l #	55
31) Cyclohexane	4.99	56	1956	0.264	ug/l #	1
37) Ethyl Acetate	4.20	43	669	0.238	ug/l #	1
38) Carbon Tetrachloride	4.98	117	7831	3.965	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1181	0.429	ug/l #	1
52) Toluene	7.64	92	1614	0.446	ug/l	96
70) Styrene	9.80	104	48	1.820	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	45122	19.944	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	45122	63.823	ug/l #	100
86) p-Isopropyltoluene	11.48	119	153	0.956	ug/l #	3
88) 1,4-Dichlorobenzene	11.51	146	708	0.252	ug/l #	58
89) n-Butylbenzene	11.89	91	323	2.452	ug/l #	63
95) Naphthalene	13.76	128	231	1.725	ug/l #	69

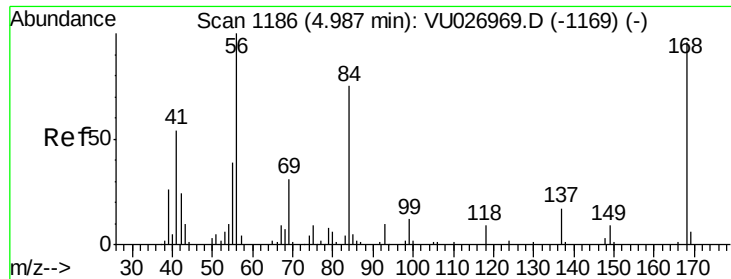
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VU026980.D

Acq: 21 Sep 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

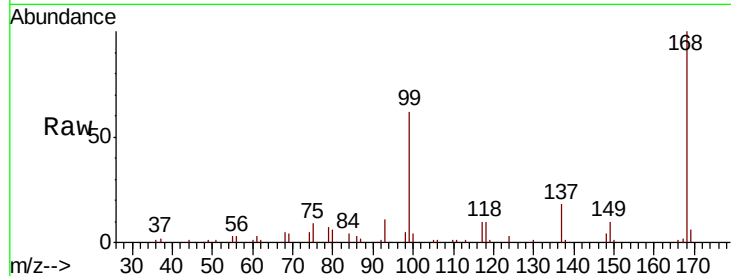
FC-PZ05I1-20180911

Tgt Ion:168 Resp: 77982

Ion Ratio Lower Upper

168 100

99 62.2 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

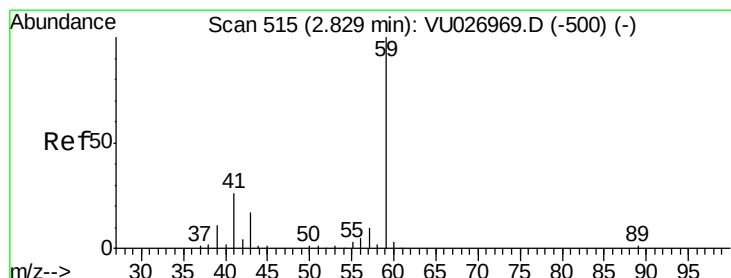
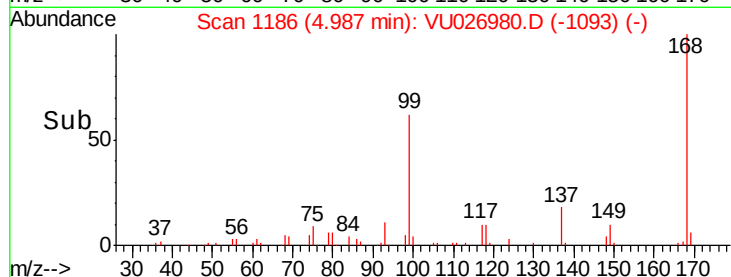
0

4.90

5.00

5.10

Time-->



#11

Tert butyl alcohol

Concen: 4.361 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU026980.D

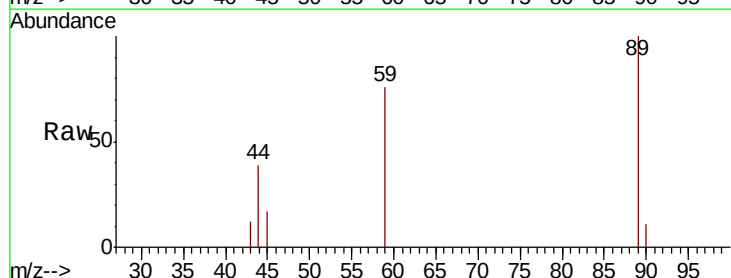
Acq: 21 Sep 2018 20:28

Tgt Ion: 59 Resp: 1569

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

800

600

400

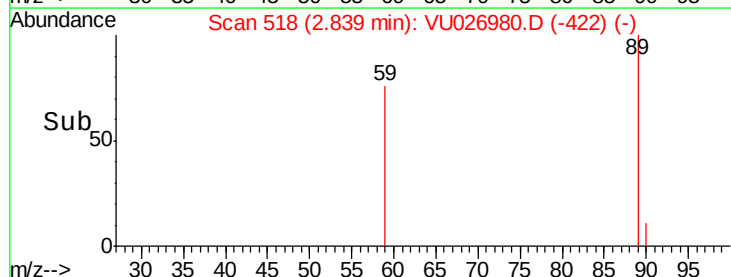
200

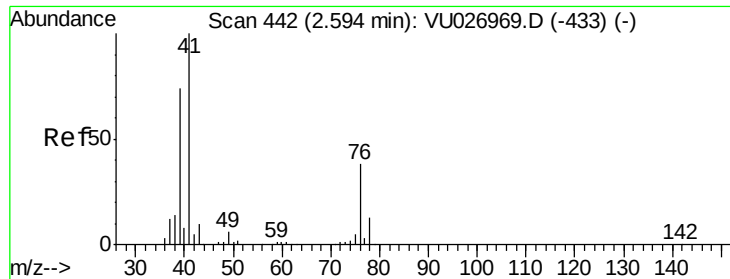
0

2.80

2.85

Time-->

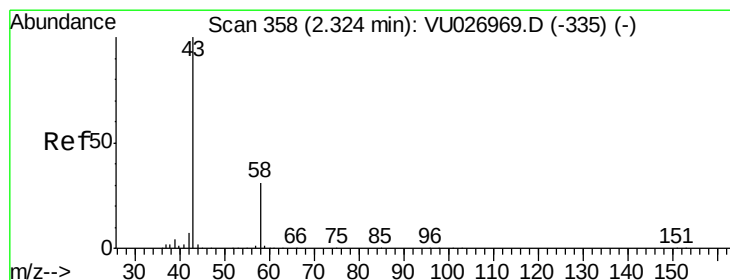
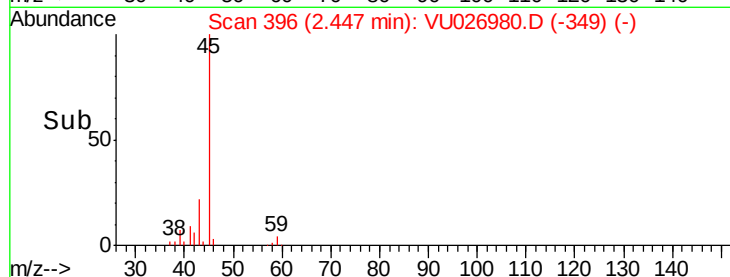
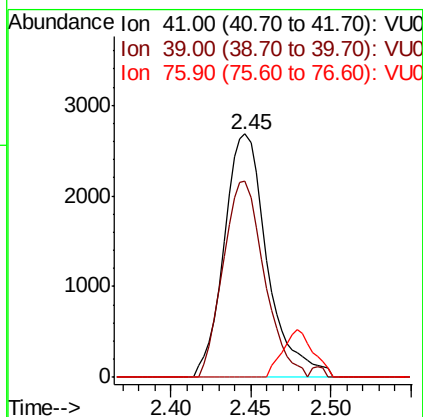
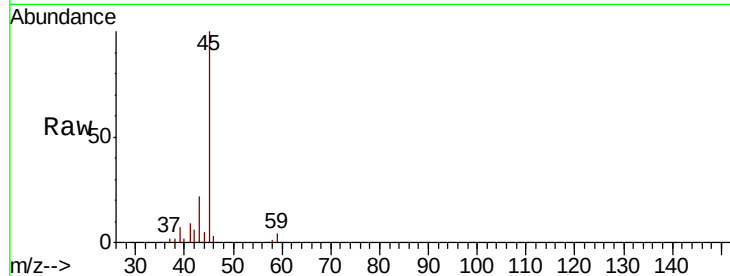




#14
 Allyl chloride
 Concen: 2.258 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.15 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

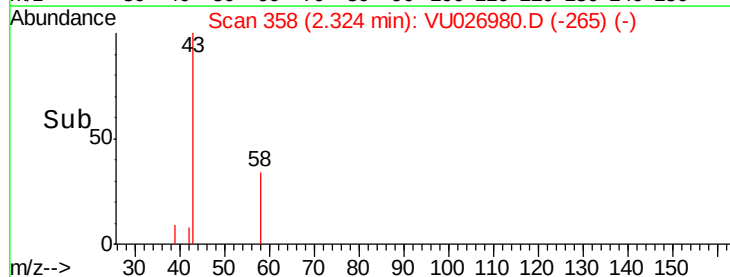
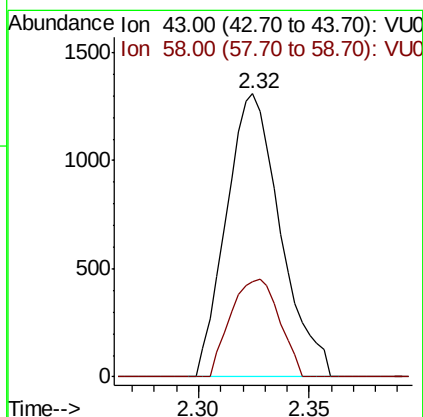
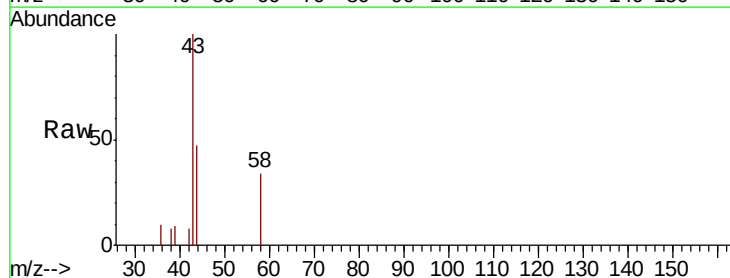
Instrument :
 MSVOA_U
 ClientSampleId :
 FC-PZ05I1-20180911

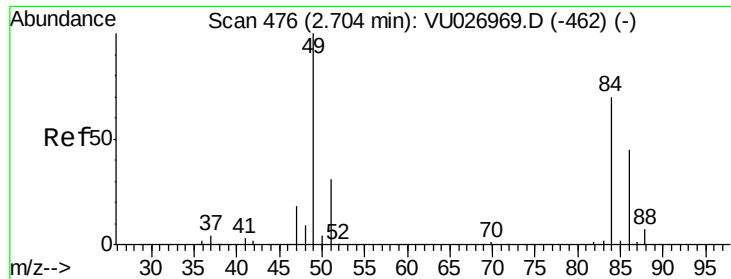
Tgt Ion: 41 Resp: 4933
 Ion Ratio Lower Upper
 41 100
 39 76.7 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Tgt Ion: 43 Resp: 2231
 Ion Ratio Lower Upper
 43 100
 58 33.8 24.6 36.8

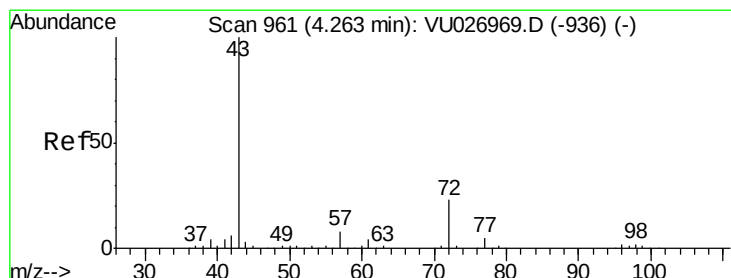
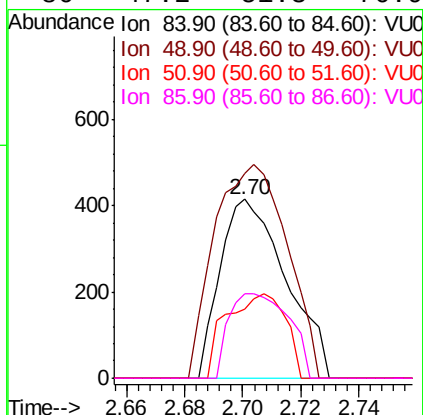
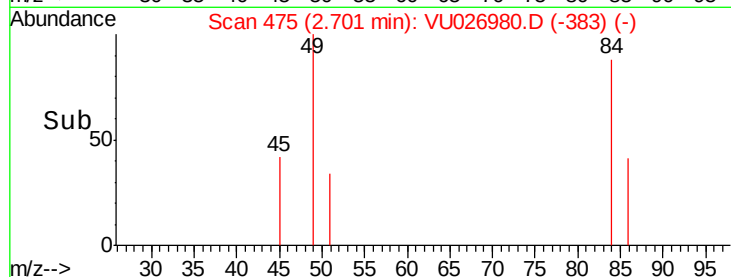
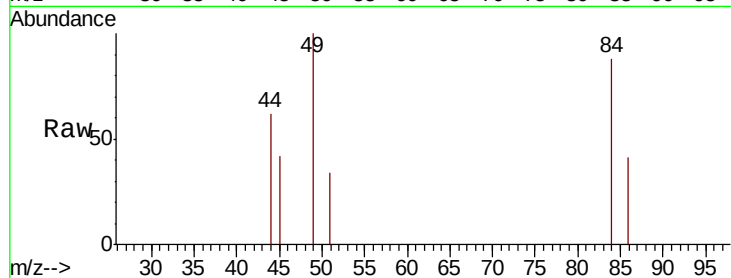




#20
Methylene Chloride
Concen: 0.465 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026980.D
Acq: 21 Sep 2018 20:28

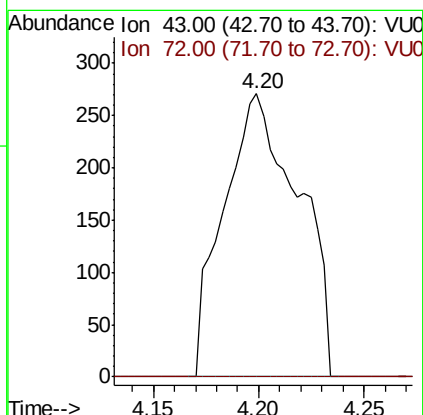
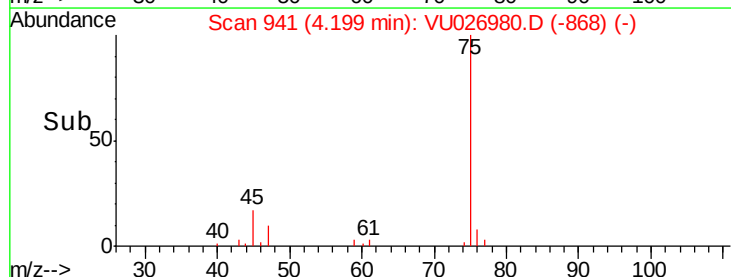
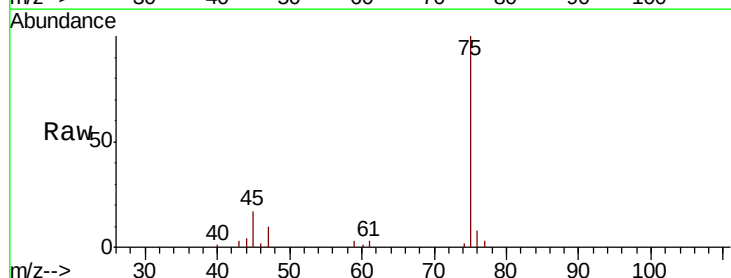
Instrument :
MSVOA_U
ClientSampleId :
FC-PZ05I1-20180911

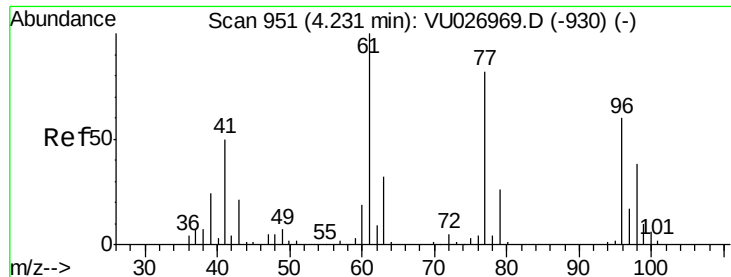
Tgt Ion: 84 Resp: 654
Ion Ratio Lower Upper
84 100
49 114.2 114.9 172.3#
51 38.8 35.8 53.8
86 47.2 51.3 76.9#



#25
2-Butanone
Concen: 0.507 ug/l
RT: 4.20 min Scan# 941
Delta R.T. -0.06 min
Lab File: VU026980.D
Acq: 21 Sep 2018 20:28

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#

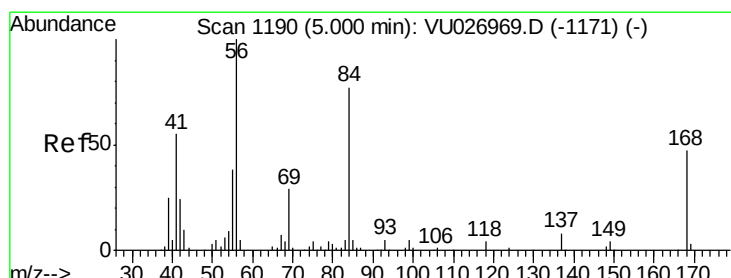
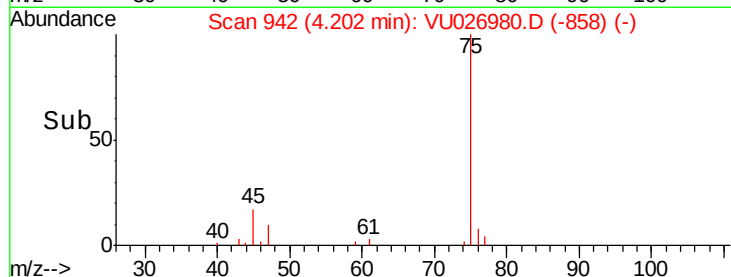
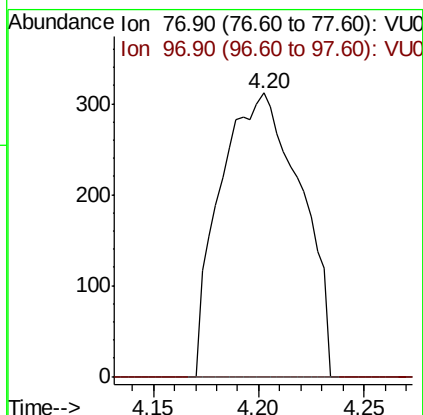
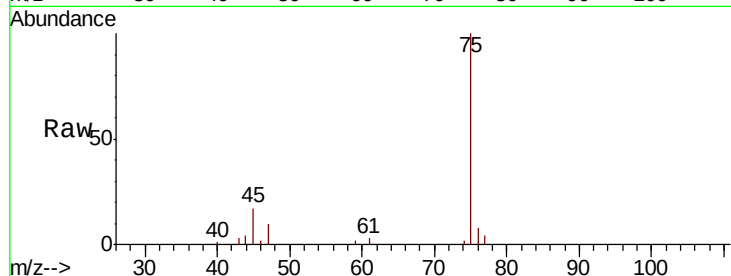




#26
 2,2-Dichloropropane
 Concen: 0.412 ug/l
 RT: 4.20 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

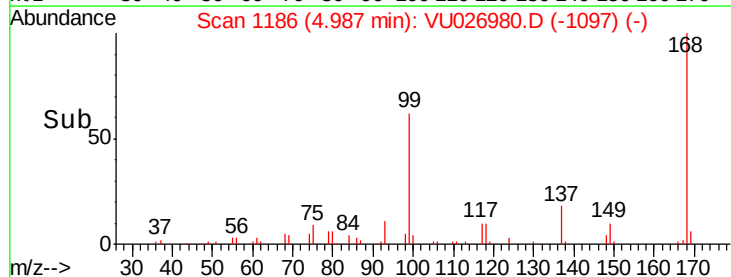
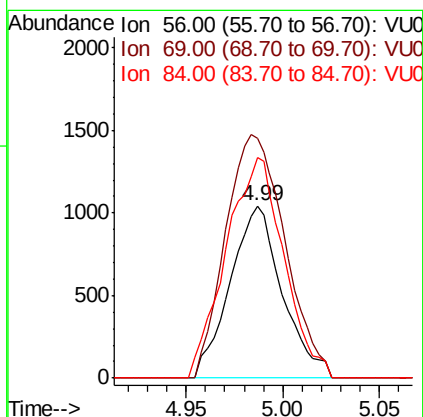
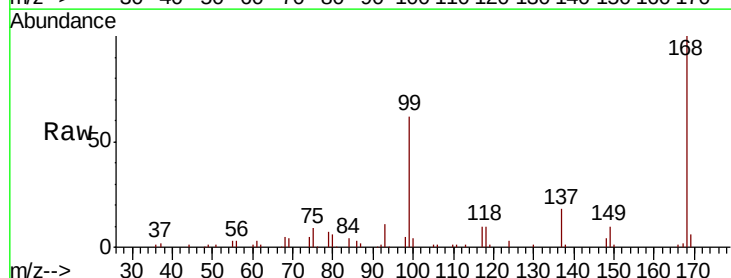
Instrument :
 MSVOA_U
 ClientSampleId :
 FC-PZ05I1-20180911

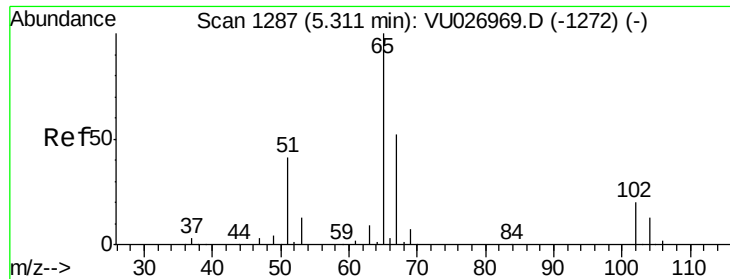
Tgt Ion: 77 Resp: 827
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.5#



#31
 Cyclohexane
 Concen: 0.264 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Tgt Ion: 56 Resp: 1956
 Ion Ratio Lower Upper
 56 100
 69 139.4 23.0 34.4#
 84 128.4 61.4 92.2#

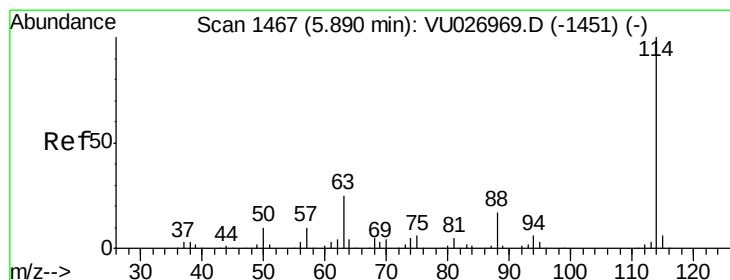
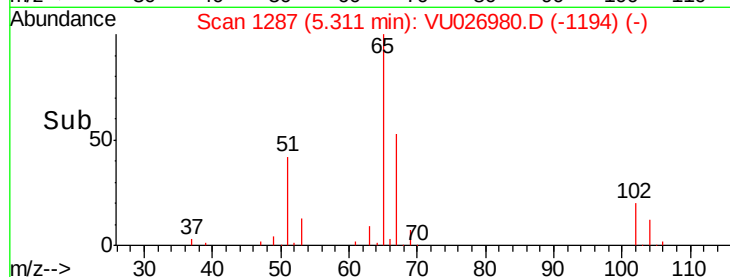
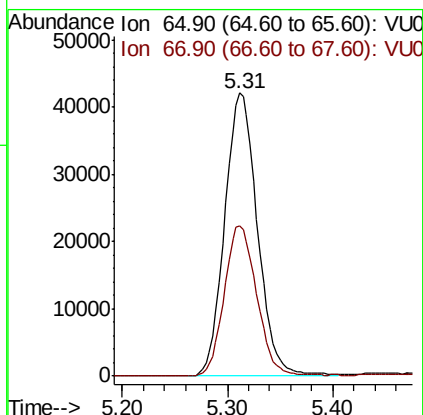
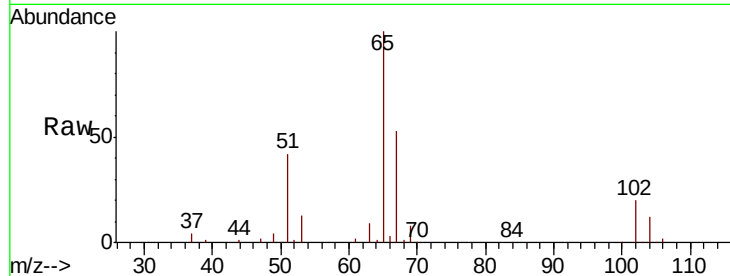




#33
 1,2-Dichloroethane-d4
 Concen: 57.781 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

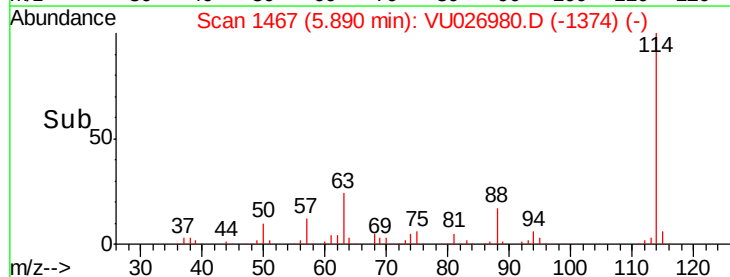
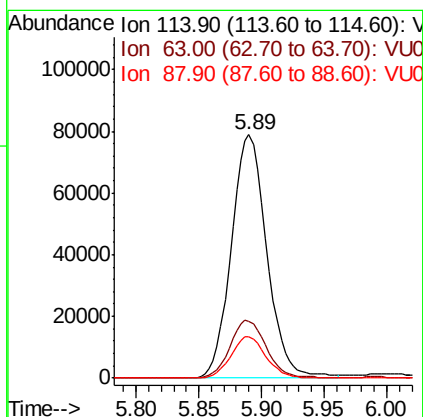
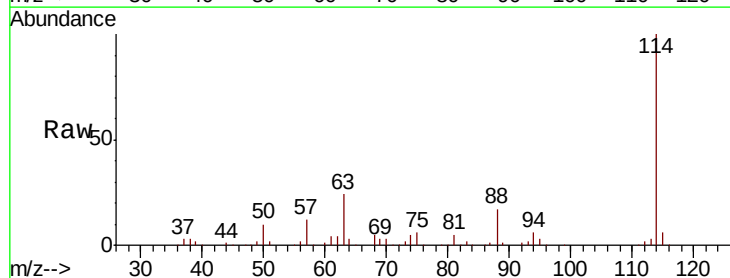
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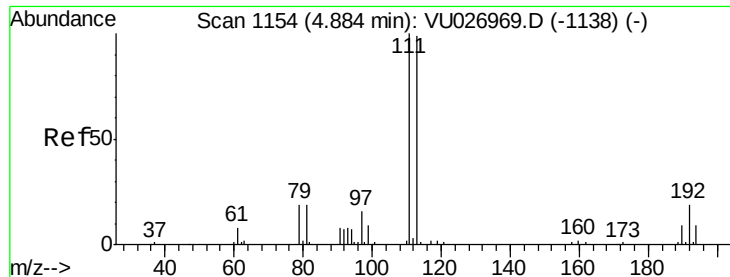
Tgt Ion: 65 Resp: 90689
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Tgt Ion: 114 Resp: 155512
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 49.2
 88 17.1 0.0 33.8

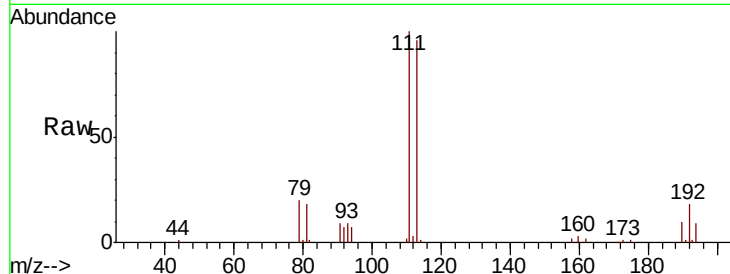




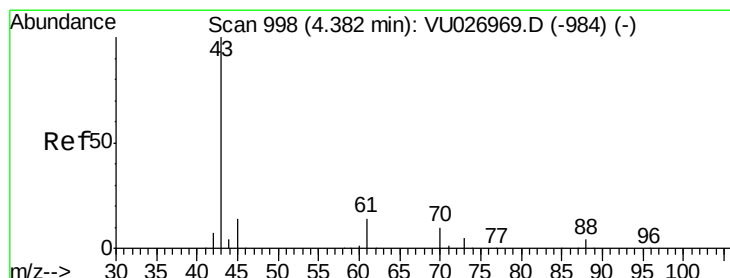
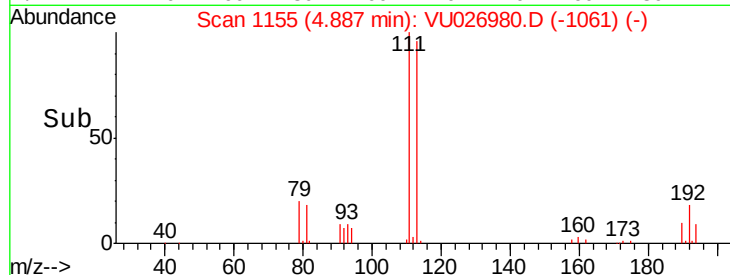
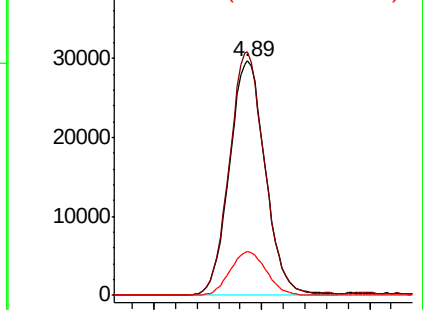
#35
 Dibromofluoromethane
 Concen: 51.102 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-PZ05I1-20180911

Tgt Ion:113 Resp: 68884
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 18.6 15.2 22.8

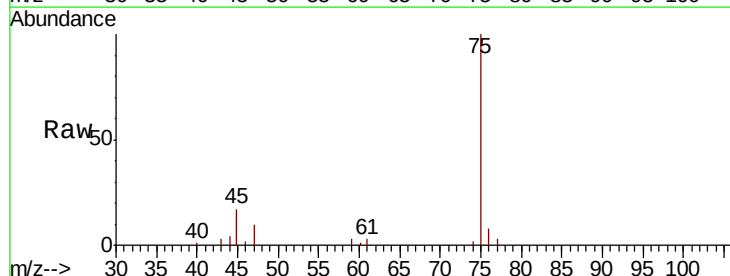


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

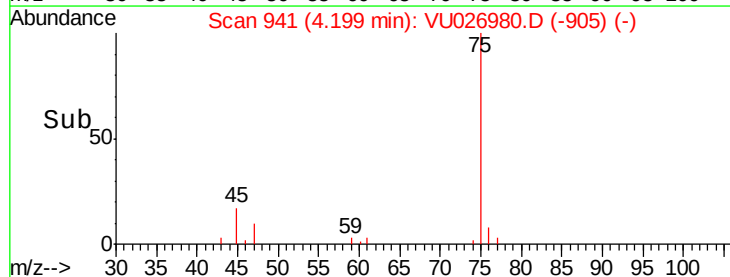
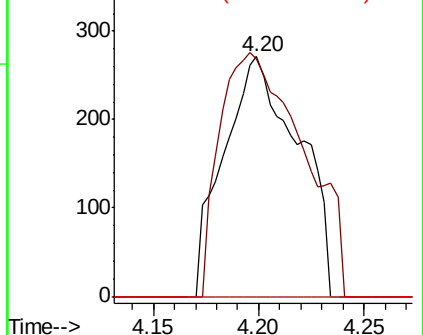


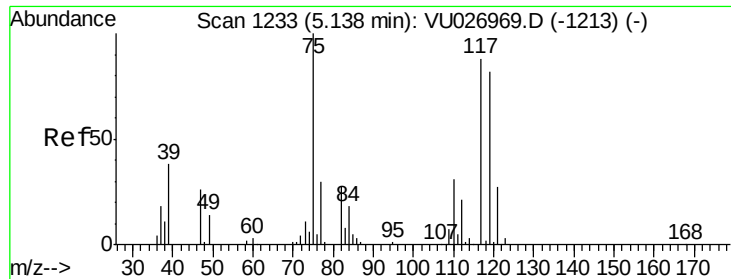
#37
 Ethyl Acetate
 Concen: 0.238 ug/l
 RT: 4.20 min Scan# 941
 Delta R.T. -0.18 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Tgt Ion: 43 Resp: 669
 Ion Ratio Lower Upper
 43 100
 61 112.9 10.5 15.7#
 70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 3.965 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

FC-PZ05I1-20180911

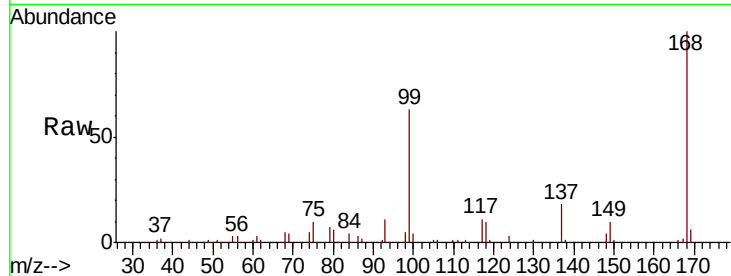
Tgt Ion: 117 Resp: 7831

Ion Ratio Lower Upper

117 100

119 5.3 74.4 111.6#

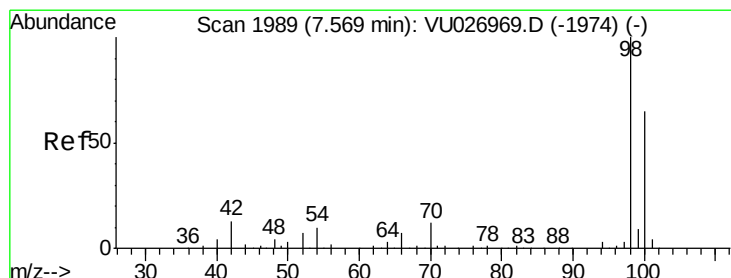
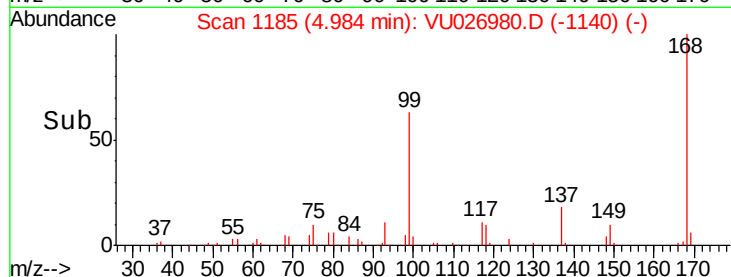
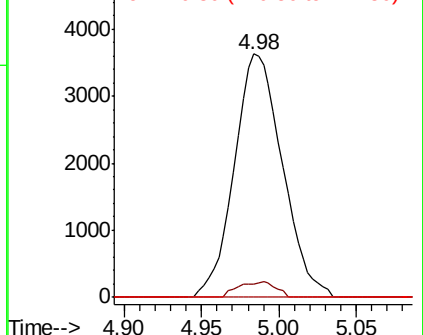
121 0.0 24.2 36.4#



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: 48.428 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026980.D

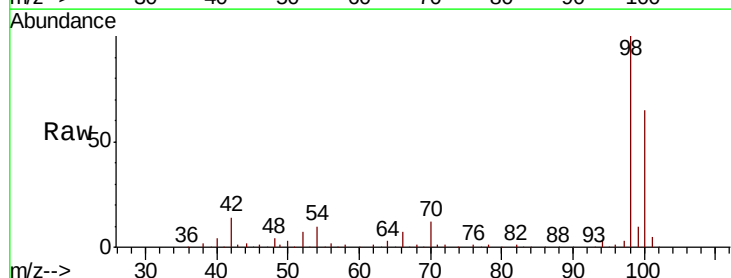
Acq: 21 Sep 2018 20:28

Tgt Ion: 98 Resp: 248786

Ion Ratio Lower Upper

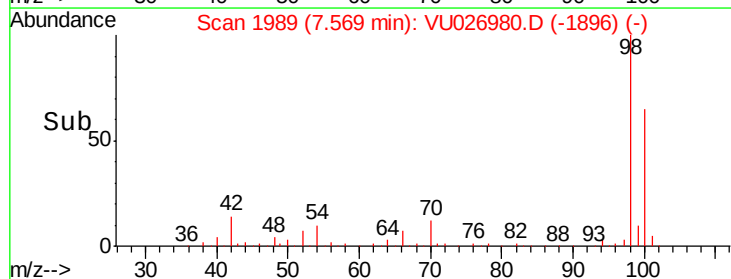
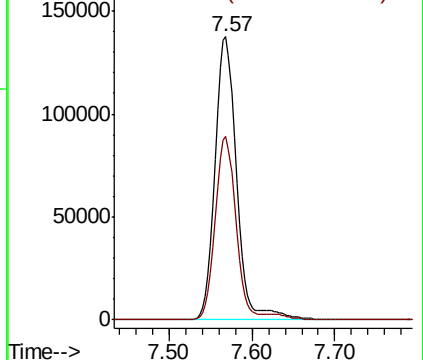
98 100

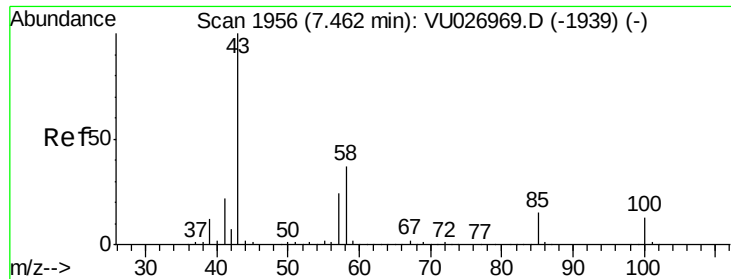
100 61.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

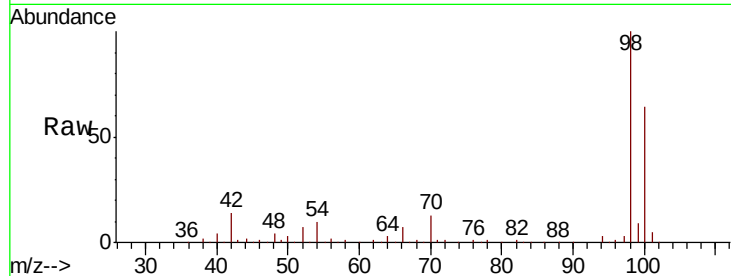




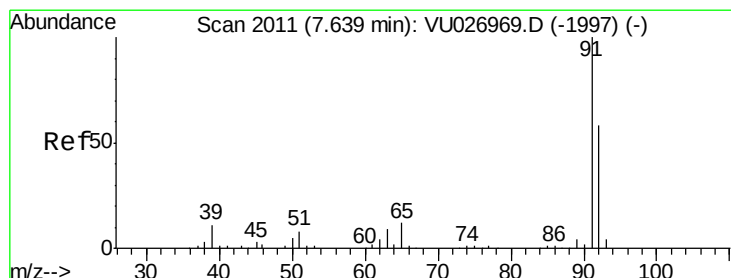
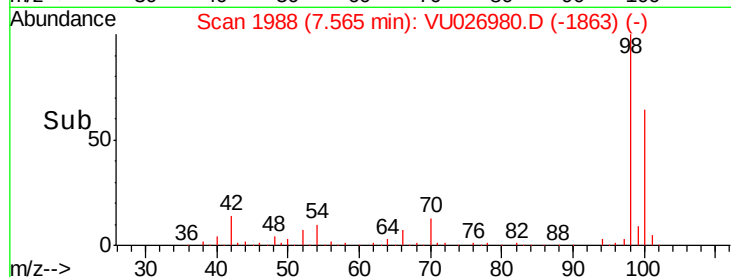
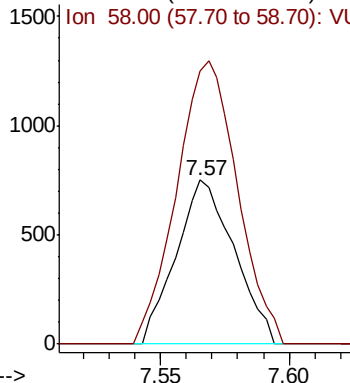
#51
4-Methyl-2-Pentanone
Concen: 0.429 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU026980.D
Acq: 21 Sep 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :
FC-PZ05I1-20180911

Tgt Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
58 180.7 29.8 44.6#

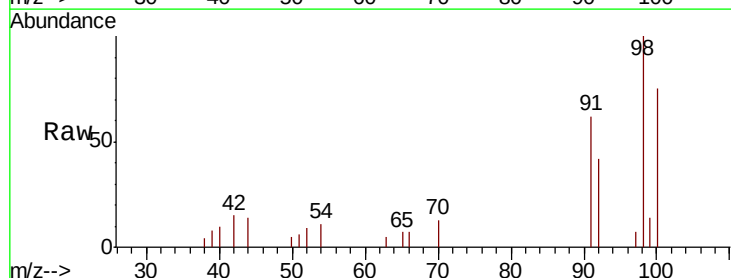


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

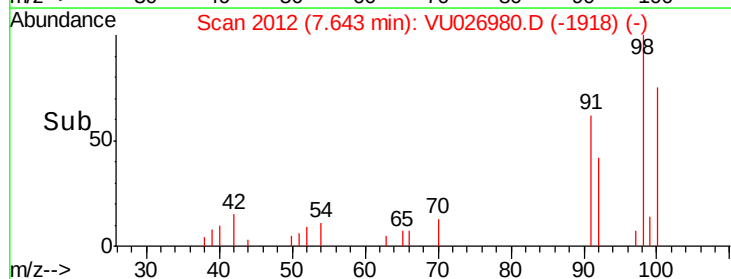
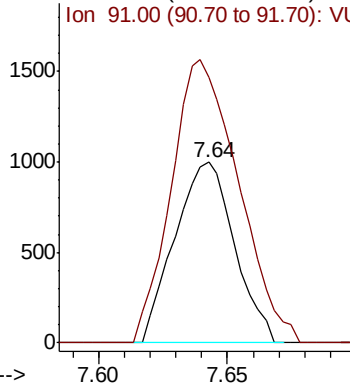


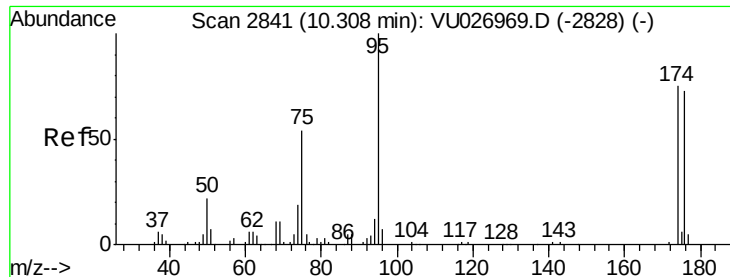
#52
Toluene
Concen: 0.446 ug/l
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU026980.D
Acq: 21 Sep 2018 20:28

Tgt Ion: 92 Resp: 1614
Ion Ratio Lower Upper
92 100
91 176.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0





#62

4-Bromofluorobenzene

Concen: 47.769 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

FC-PZ05I1-20180911

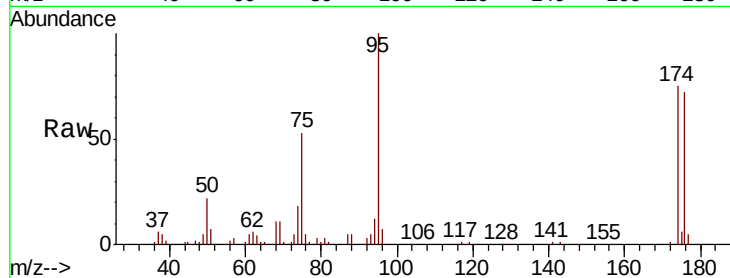
Tgt Ion: 95 Resp: 84204

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

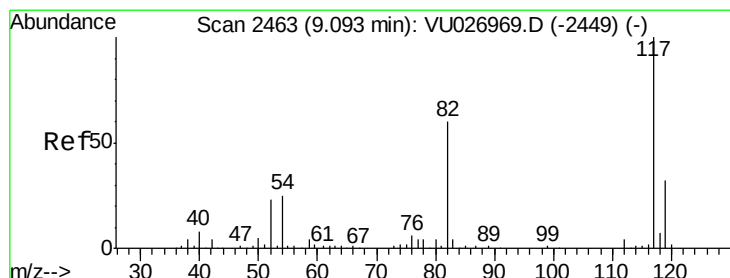
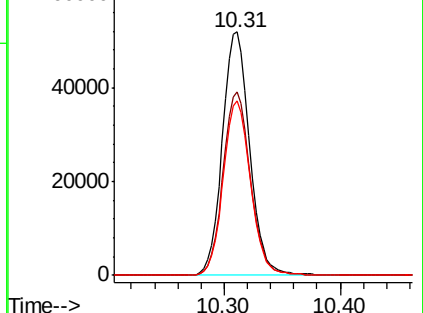
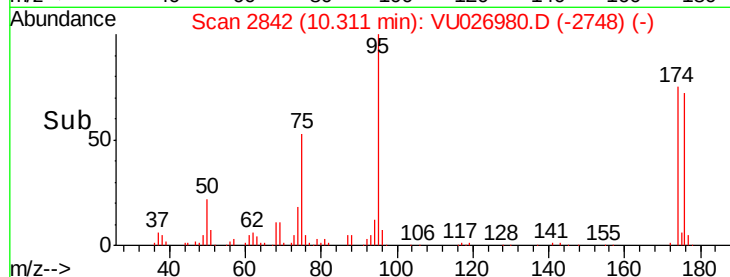
176 71.9 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

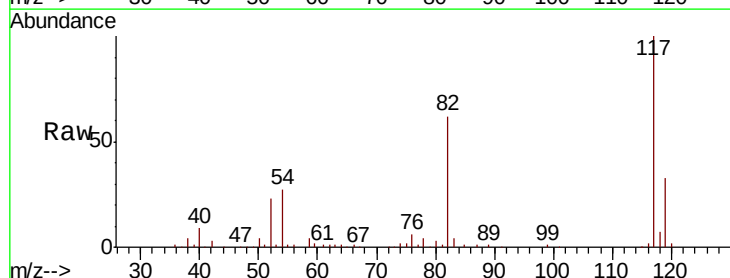
Tgt Ion: 117 Resp: 155029

Ion Ratio Lower Upper

117 100

82 62.3 48.0 72.0

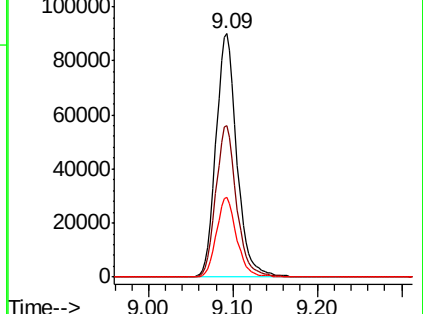
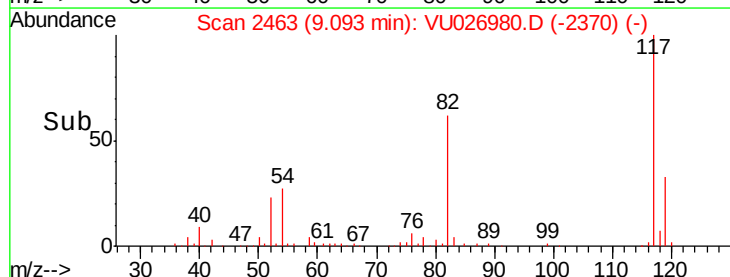
119 32.6 25.8 38.8

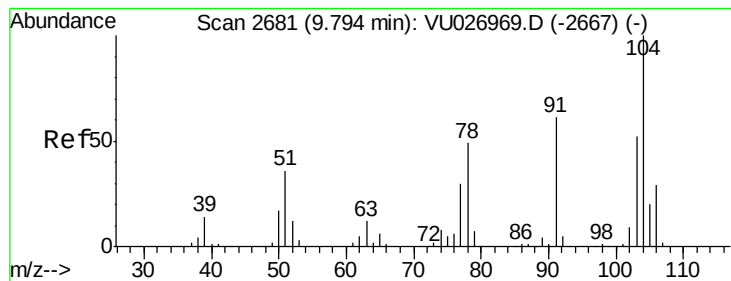


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#70

Styrene

Concen: 1.820 ug/l

RT: 9.80 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

FC-PZ05I1-20180911

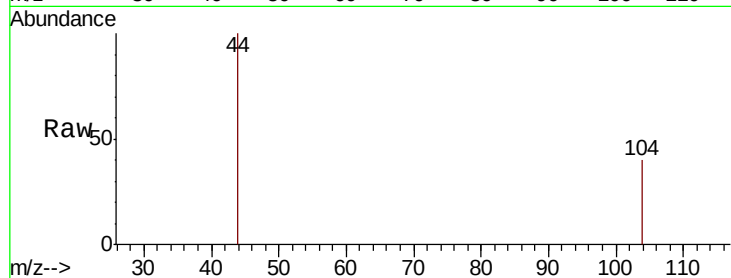
Tgt Ion:104 Resp: 48

Ion Ratio Lower Upper

104 100

78 0.0 43.0 64.4#

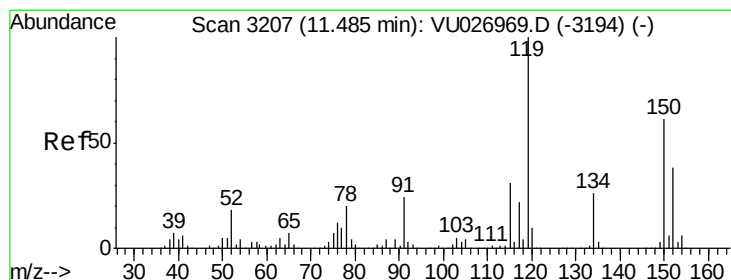
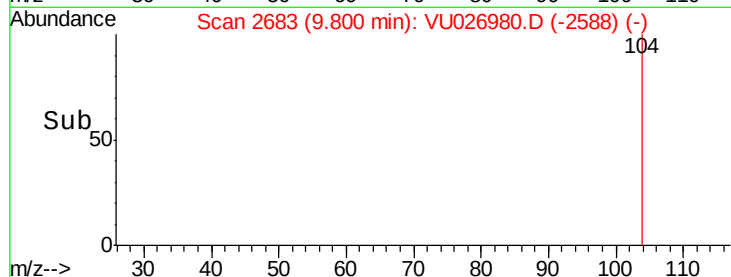
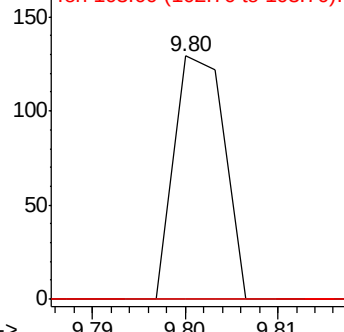
103 0.0 44.1 66.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

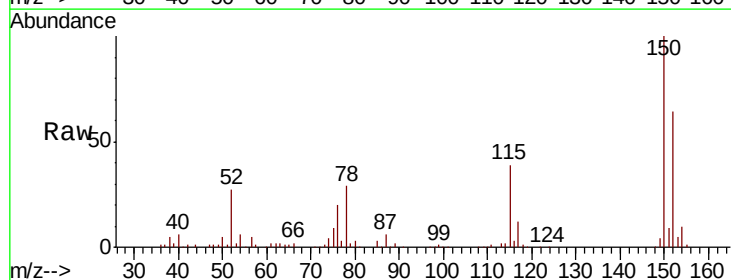
Tgt Ion:152 Resp: 74473

Ion Ratio Lower Upper

152 100

115 60.2 44.9 134.5

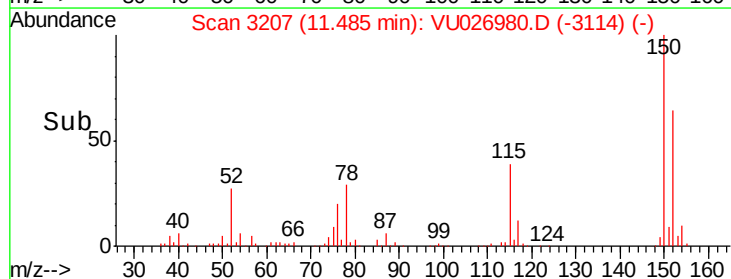
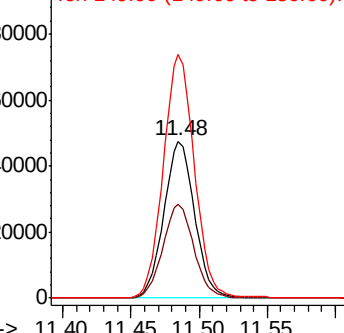
150 157.6 0.0 355.8

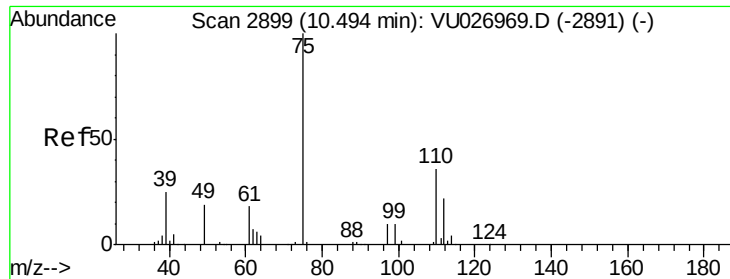


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 19.944 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

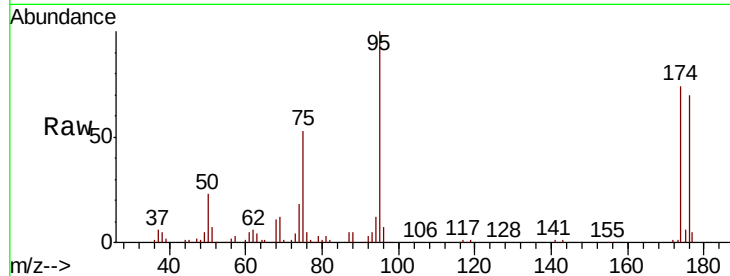
FC-PZ0511-20180911

Tgt Ion: 75 Resp: 45122

Ion Ratio Lower Upper

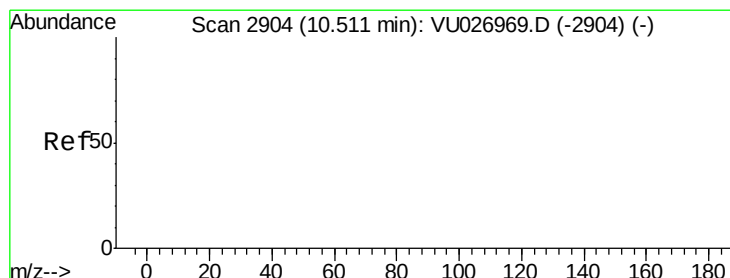
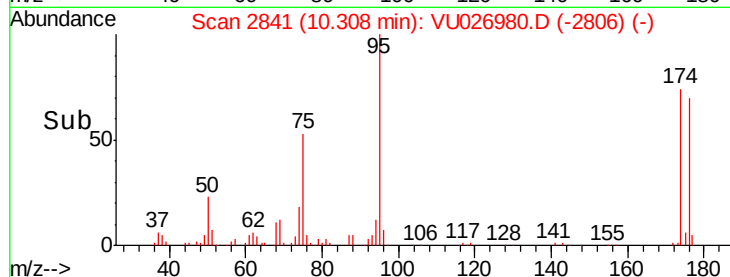
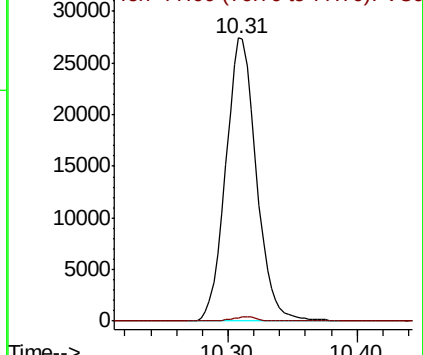
75 100

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: 63.823 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

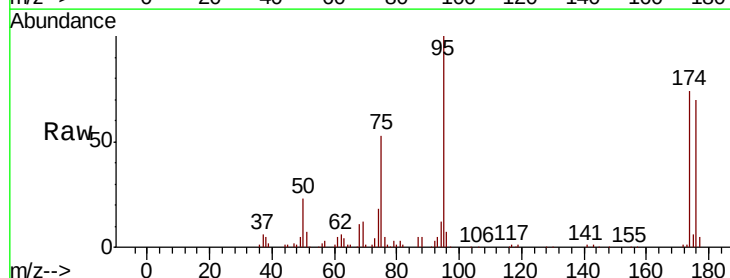
Tgt Ion: 75 Resp: 45122

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

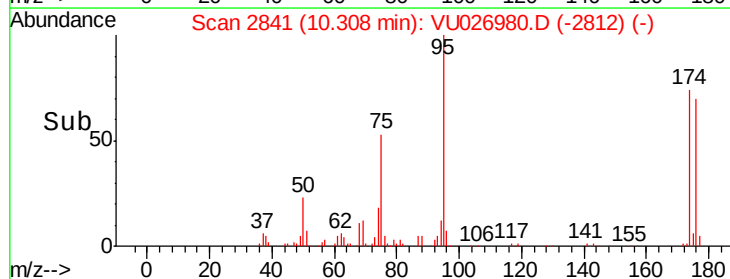
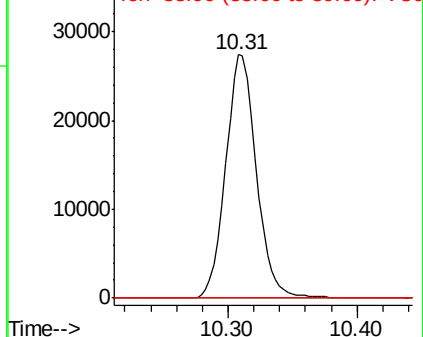
89 0.0 0.0 0.0

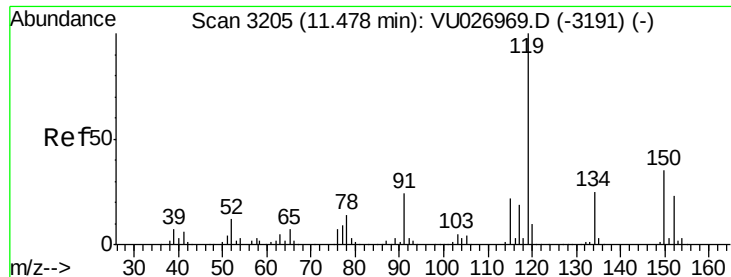


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

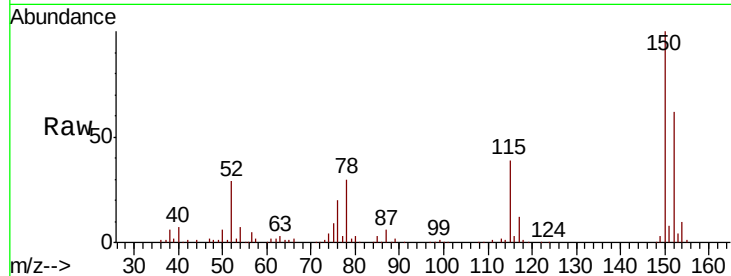




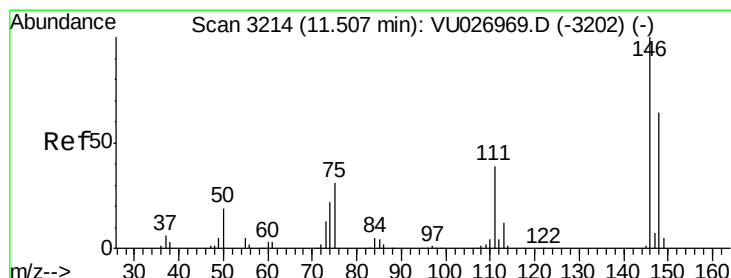
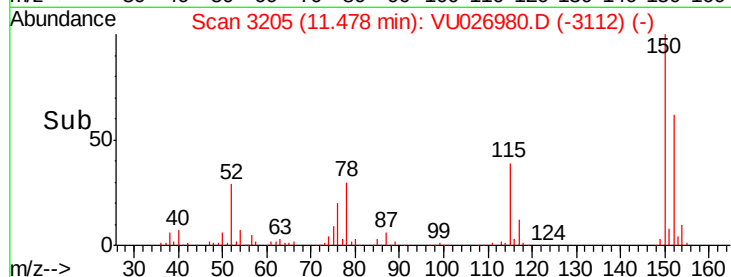
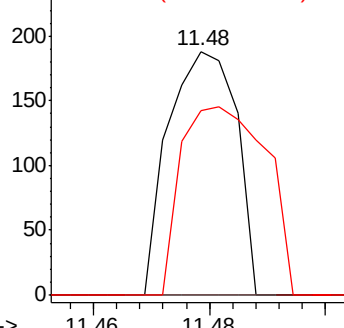
#86
 p-Isopropyltoluene
 Concen: 0.956 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-PZ05I1-20180911

Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.8	38.3#
91	96.7	12.3	36.8#

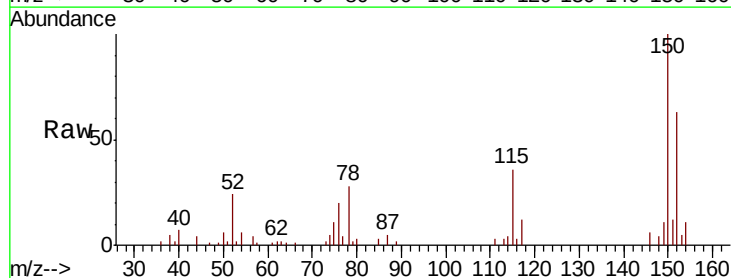


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

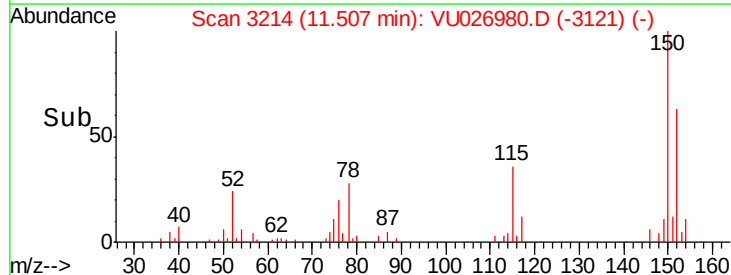
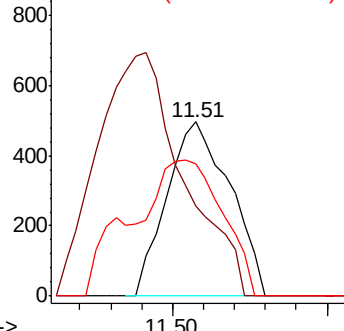


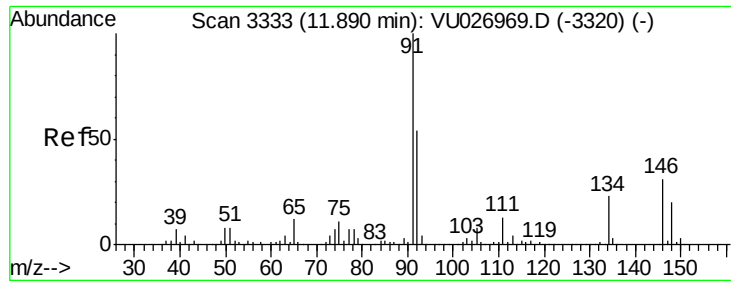
#88
 1,4-Dichlorobenzene
 Concen: 0.252 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026980.D
 Acq: 21 Sep 2018 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	85.6	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





#89

n-Butylbenzene

Concen: 2.452 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

FC-PZ05I1-20180911

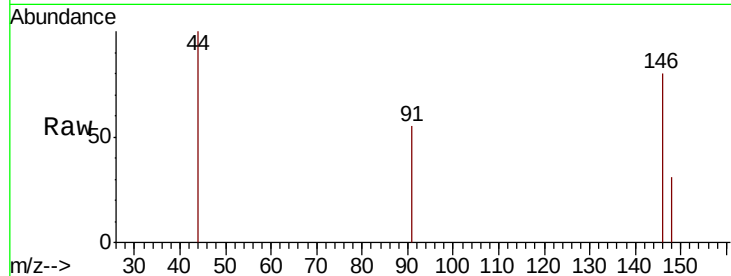
Tgt Ion: 91 Resp: 323

Ion Ratio Lower Upper

91 100

92 31.0 27.1 81.2

134 0.0 11.7 35.0#

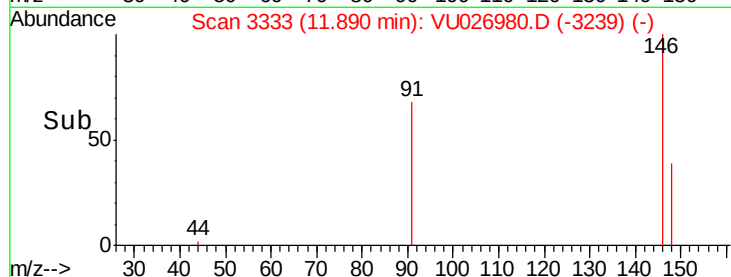


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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

Time-->

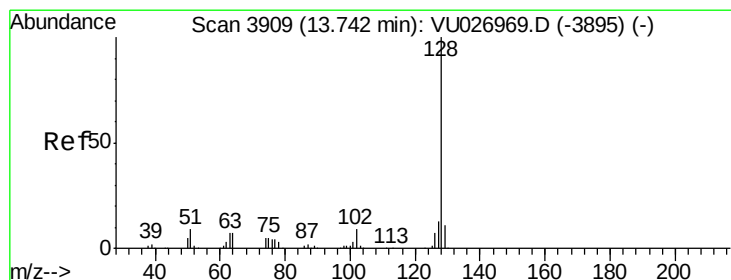


Abundance Ion 91.00 (90.70 to 91.70): VU026980.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU026980.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU026980.D (-3239) (-)

Time-->



#95

Naphthalene

Concen: 1.725 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU026980.D

Acq: 21 Sep 2018 20:28

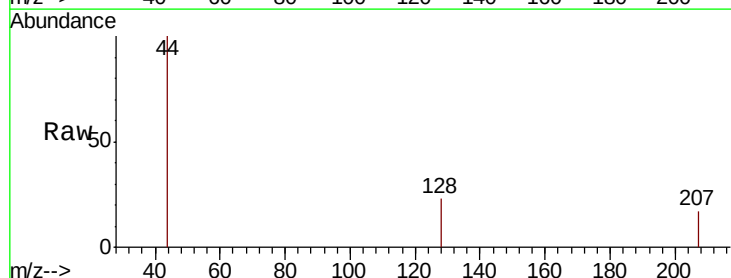
Tgt Ion: 128 Resp: 231

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

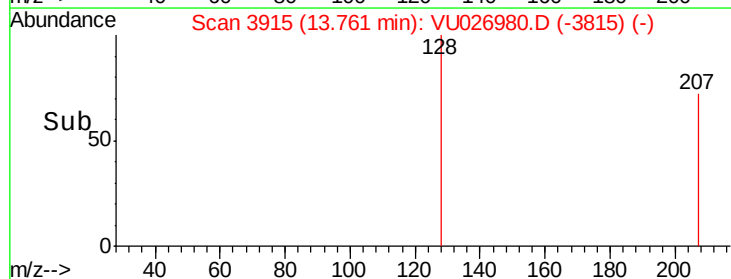


Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

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

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

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VU026980.D (-3815) (-)

Ion 127.00 (126.70 to 127.70): VU026980.D (-3815) (-)

Ion 129.00 (128.70 to 129.70): VU026980.D (-3815) (-)

Time-->