

Data File : VU027080.D
Acq On : 23 Sep 2018 18:24
Operator : MD/SY
Sample : J4980-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 122 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP04-20180916

Quant Time: Sep 24 07:16:15 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	89847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156642	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68509	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	98154	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
35) Dibromofluoromethane	4.89	113	67135	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	7.57	98	251342	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	10.31	95	80137	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

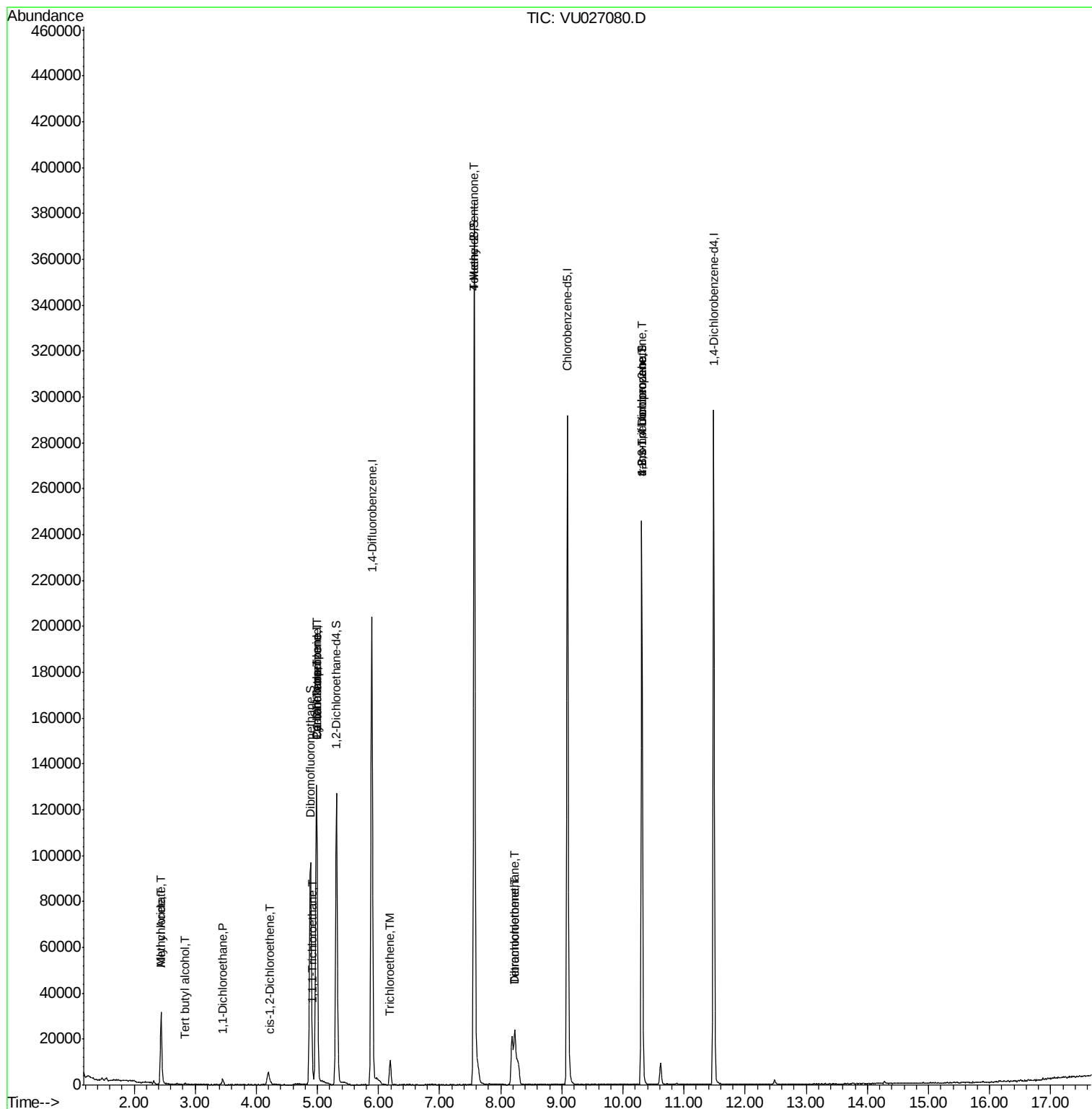
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.83	59	379	0.914	ug/l #	72
14) Allyl chloride	2.44	41	3090	1.228	ug/l #	66
16) Acetone	2.32	43	1520	Below Cal		94
18) Methyl Acetate	2.44	43	8196	3.184	ug/l #	55
24) 1,1-Dichloroethane	3.45	63	3302	1.114	ug/l #	84
27) cis-1,2-Dichloroethene	4.23	96	326	0.218	ug/l #	74
31) Cyclohexane	4.98	56	2380	0.312	ug/l #	1
32) 1,1,1-Trichloroethane	4.93	97	1604	0.730	ug/l #	50
36) 1,1-Dichloropropene	4.99	75	8718	4.170	ug/l #	47
38) Carbon Tetrachloride	4.99	117	9951	5.002	ug/l #	18
44) Trichloroethene	6.19	130	3750	2.772	ug/l	100
51) 4-Methyl-2-Pentanone	7.57	43	1273	0.459	ug/l #	1
60) Dibromochloromethane	8.23	129	2716	1.794	ug/l #	11
64) Tetrachloroethene	8.23	164	2758	2.373	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	44202	21.238	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44202	67.965	ug/l #	100

(#) = 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

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Instrument :

MSVOA_U

ClientSampleId :

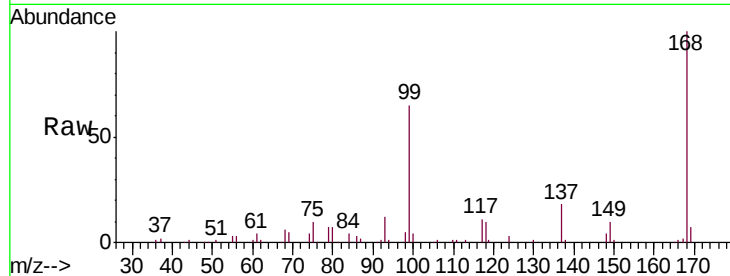
BP-DUP04-20180916

Tgt Ion:168 Resp: 89847

Ion Ratio Lower Upper

168 100

99 63.7 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

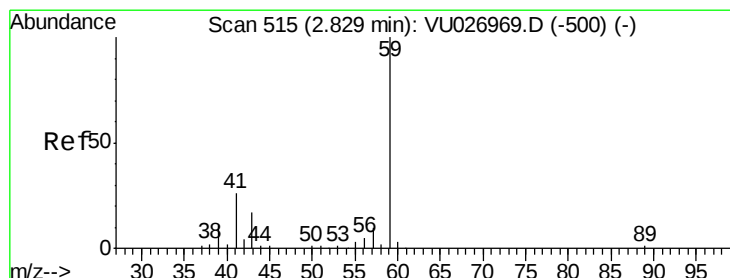
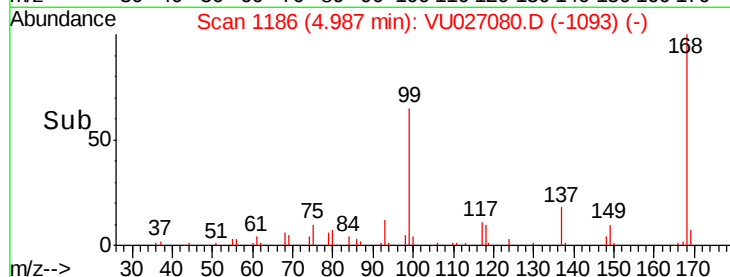
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 0.914 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027080.D

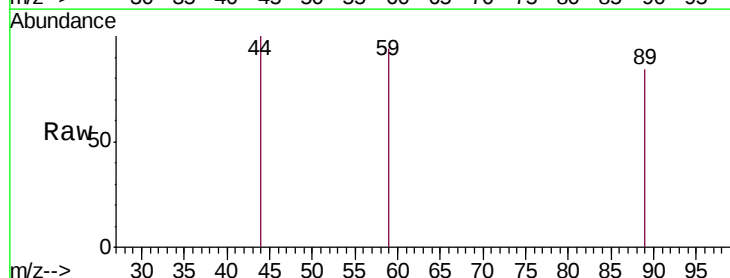
Acq: 23 Sep 2018 18:24

Tgt Ion: 59 Resp: 379

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) (-)

2.83

250

200

150

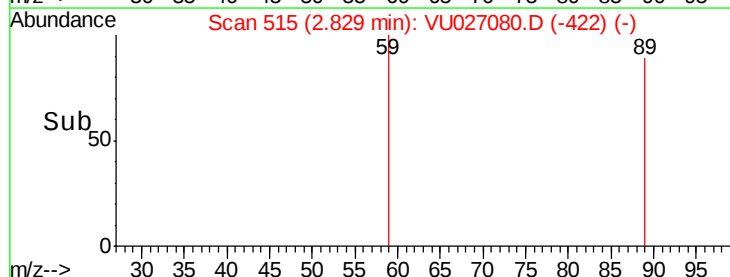
100

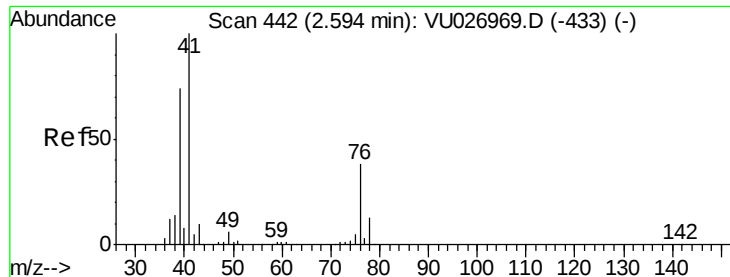
50

0

2.80 2.82 2.84 2.86

Time-->





#14

Allyl chloride

Concen: 1.228 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.15 min

Lab File: VU027080.D

Acq: 23 Sep 2018 18:24

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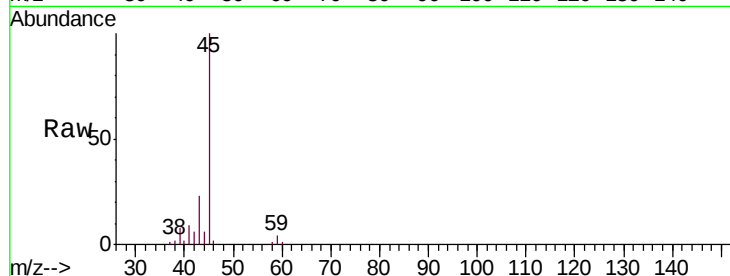
Tgt Ion: 41 Resp: 3090

Ion Ratio Lower Upper

41 100

39 88.4 55.7 83.5#

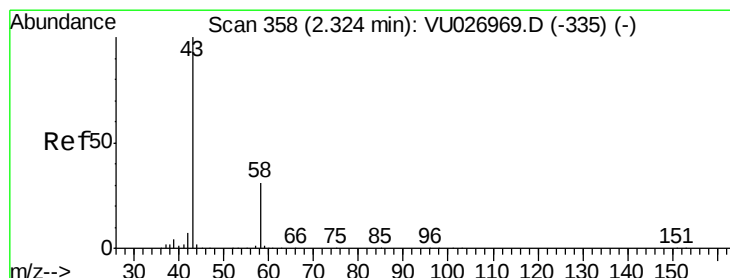
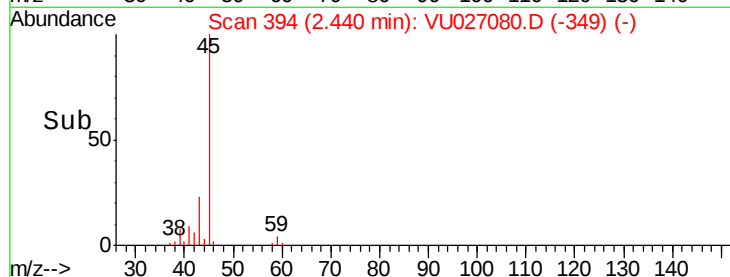
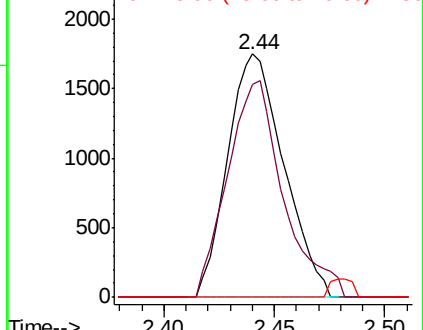
76 0.0 26.5 39.7#



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



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027080.D

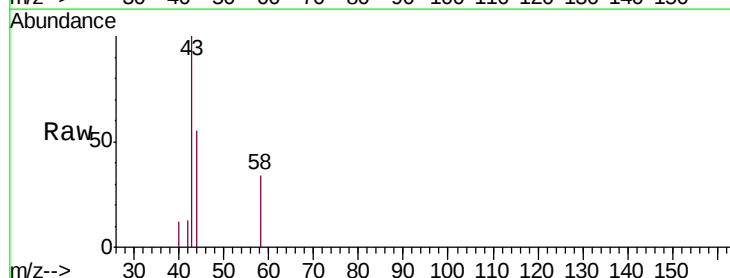
Acq: 23 Sep 2018 18:24

Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

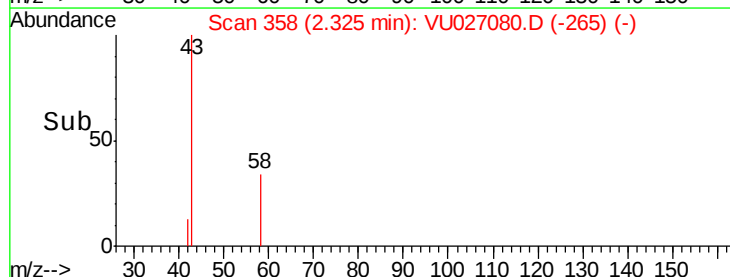
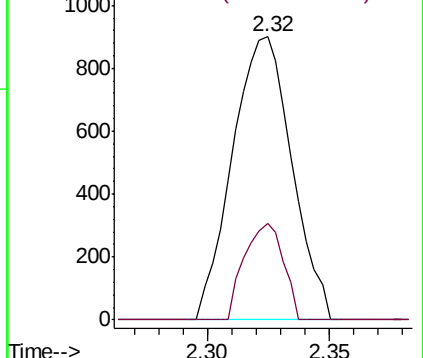
43 100

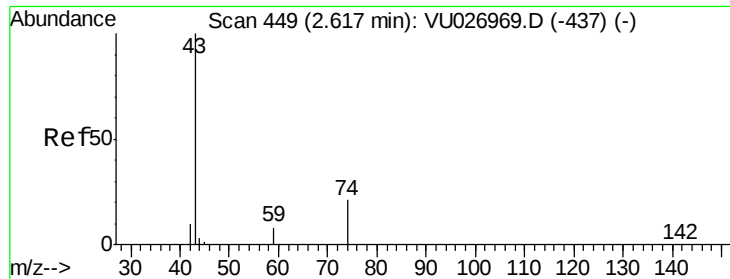
58 34.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

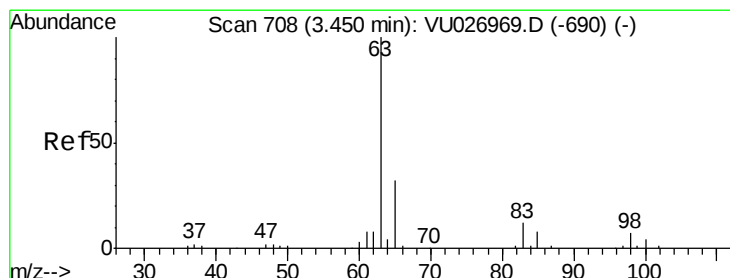
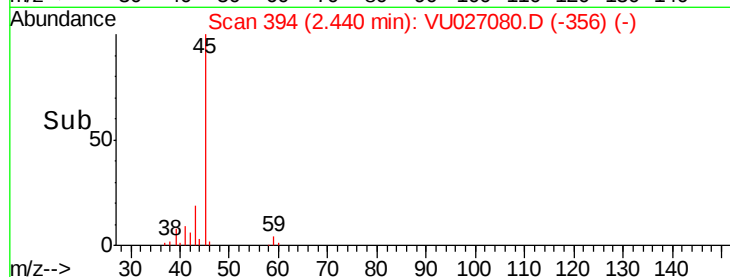
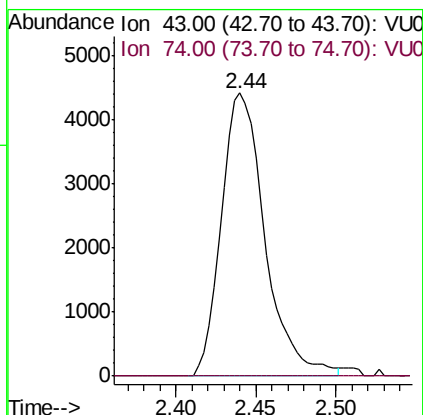
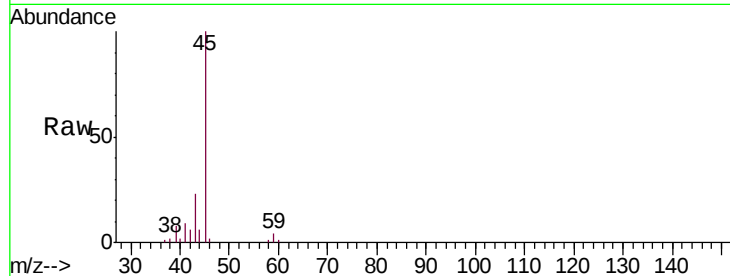




#18
Methyl Acetate
Concen: 3.184 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

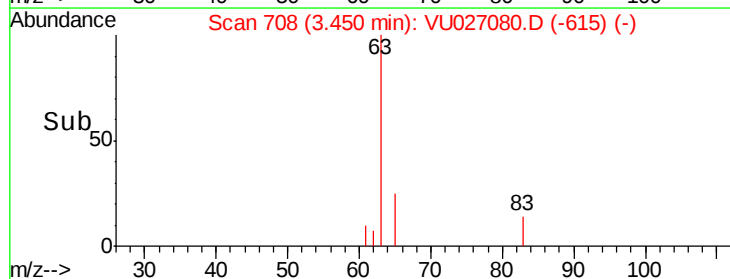
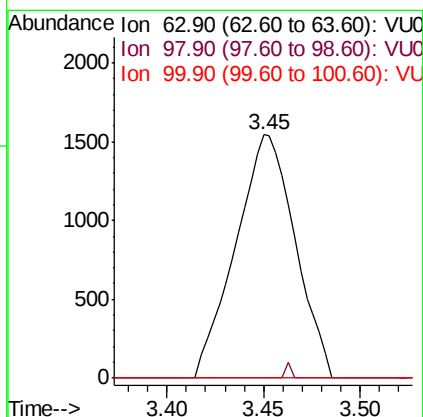
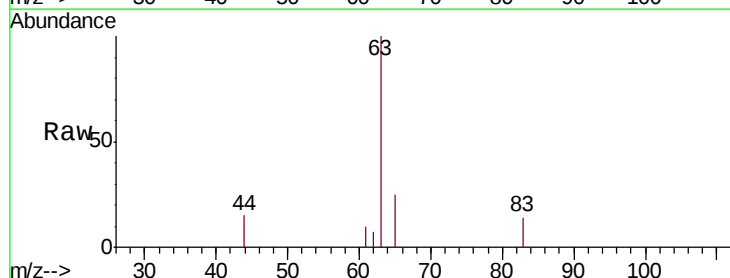
Instrument :
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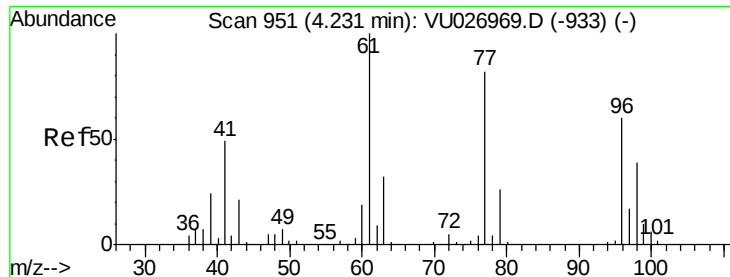
Tgt Ion: 43 Resp: 8196
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#24
1,1-Dichloroethane
Concen: 1.114 ug/l
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

Tgt Ion: 63 Resp: 3302
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.0 5.8#



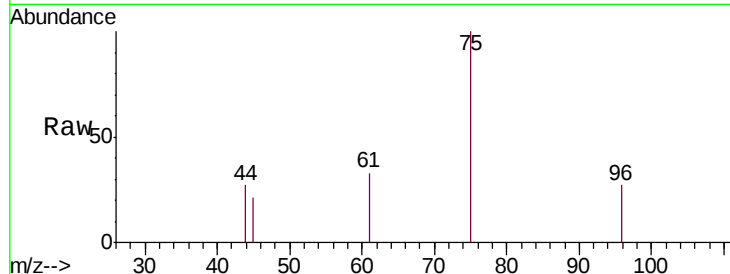


#27

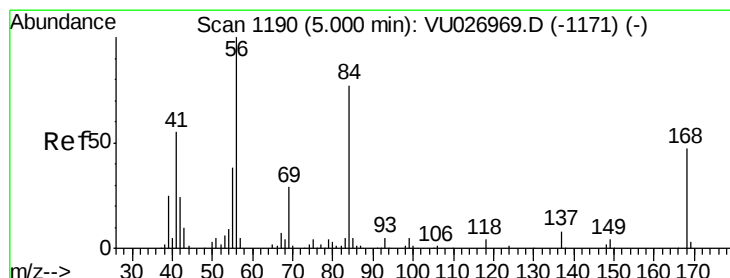
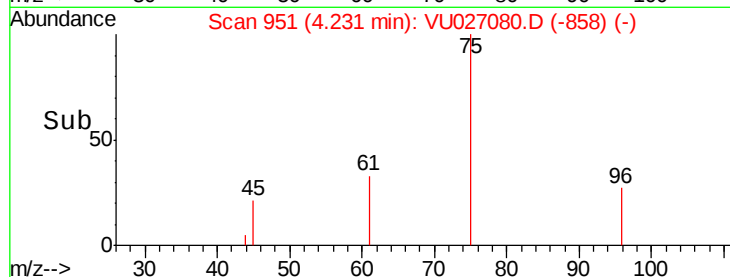
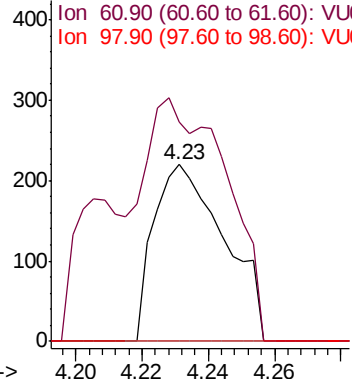
cis-1,2-Dichloroethene
Concen: 0.218 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP04-20180916

Tgt Ion: 96 Resp: 326
Ion Ratio Lower Upper
96 100
61 162.0 0.0 337.2
98 0.0 0.0 127.6



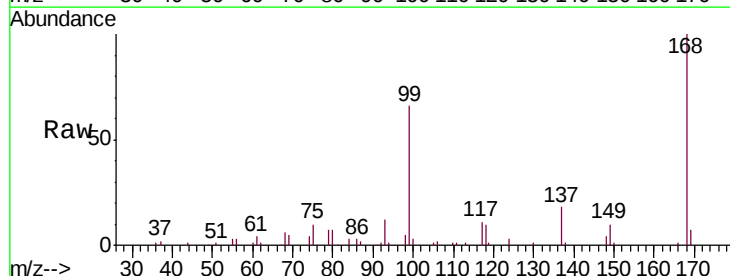
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



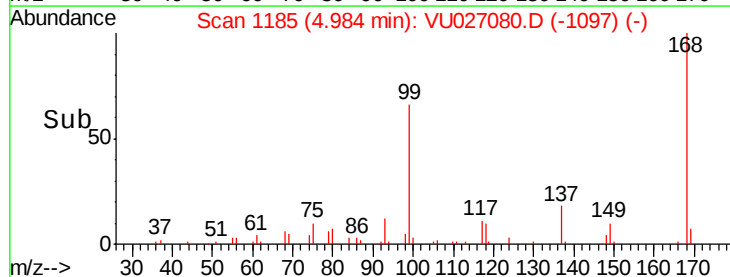
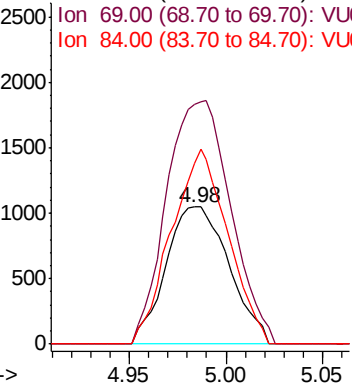
#31

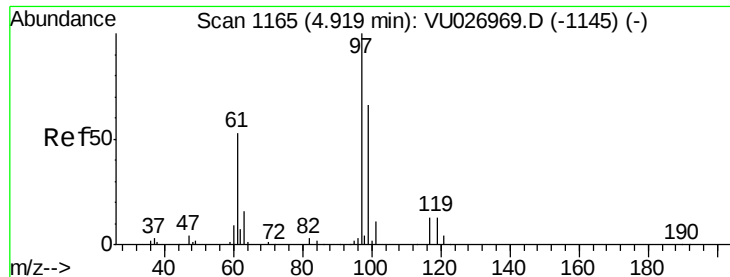
Cyclohexane
Concen: 0.312 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

Tgt Ion: 56 Resp: 2380
Ion Ratio Lower Upper
56 100
69 175.1 23.0 34.4#
84 132.0 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

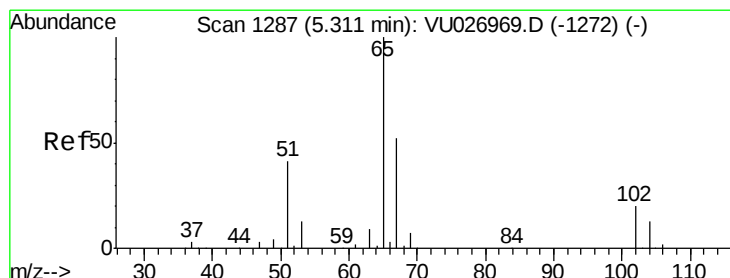
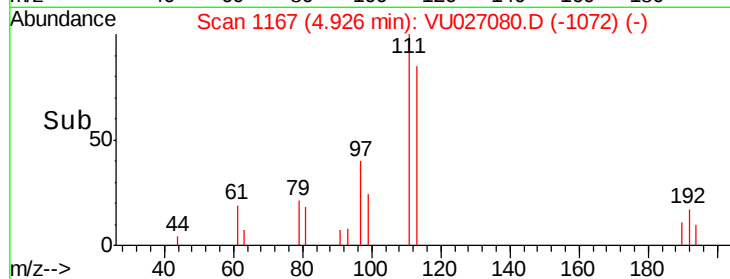
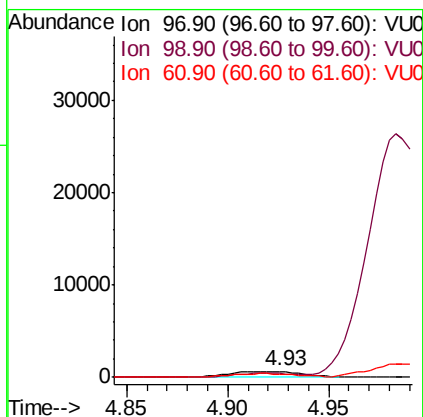
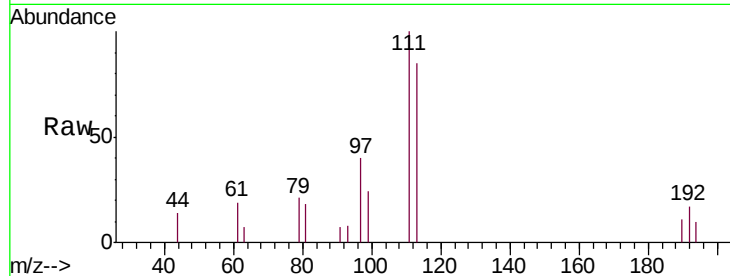




#32
 1,1,1-Trichloroethane
 Concen: 0.730 ug/l
 RT: 4.93 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: VU027080.D
 Acq: 23 Sep 2018 18:24

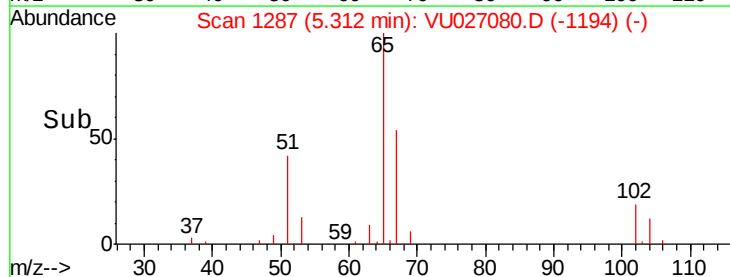
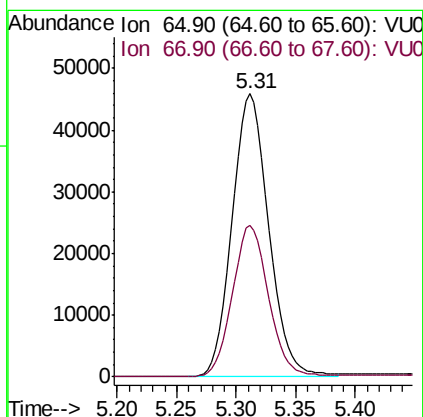
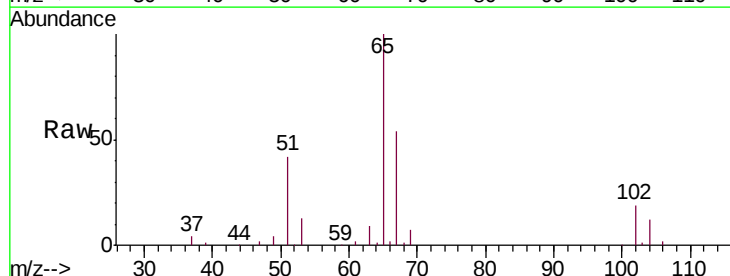
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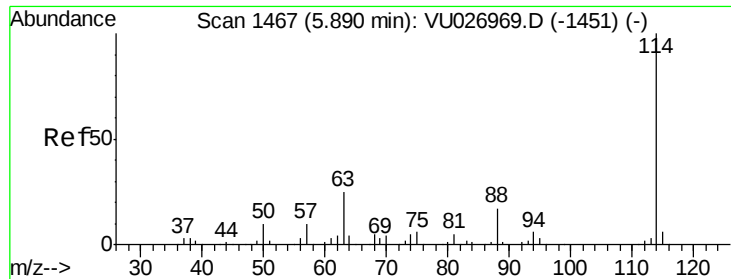
Tgt Ion: 97 Resp: 1604
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.8 77.6#
 61 57.7 41.1 61.7



#33
 1,2-Dichloroethane-d4
 Concen: 54.279 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027080.D
 Acq: 23 Sep 2018 18:24

Tgt Ion: 65 Resp: 98154
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6

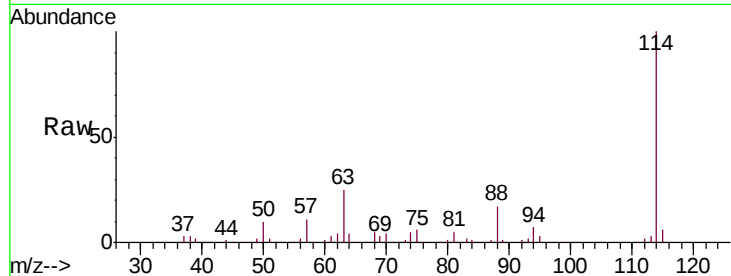




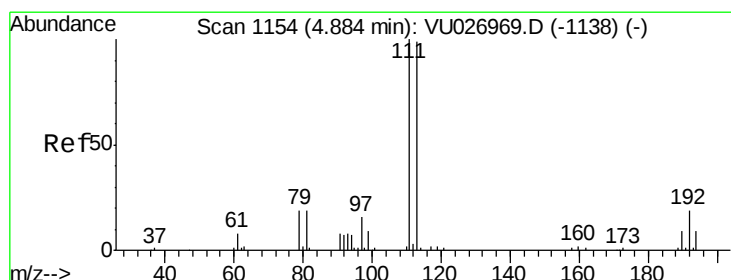
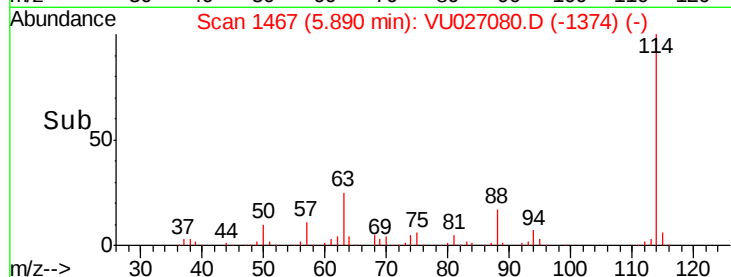
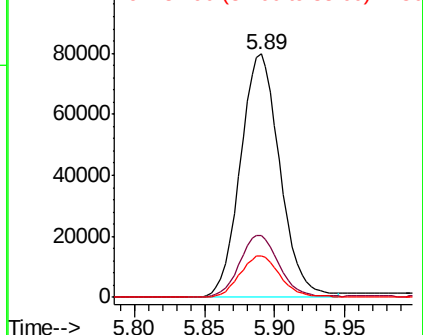
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027080.D
 Acq: 23 Sep 2018 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:114 Resp: 156642
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.1 0.0 33.8

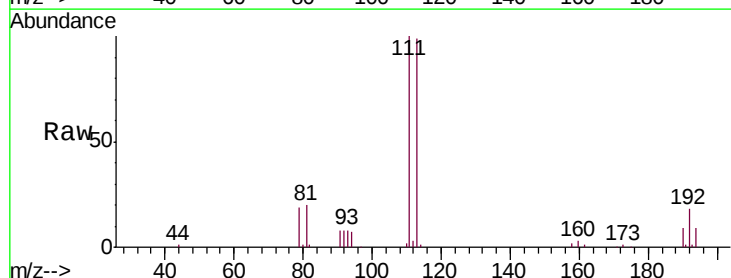


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

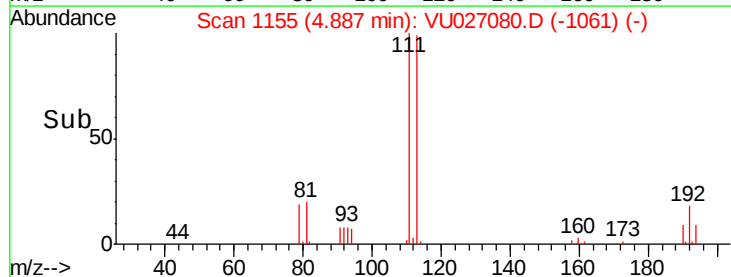
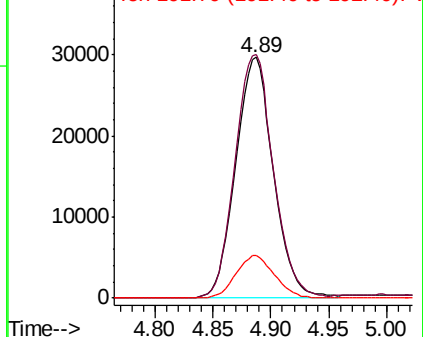


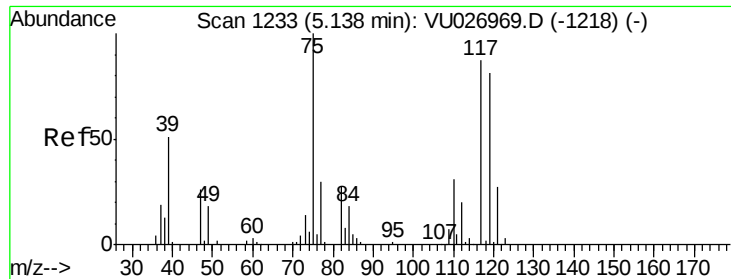
#35
 Dibromofluoromethane
 Concen: 49.445 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027080.D
 Acq: 23 Sep 2018 18:24

Tgt Ion:113 Resp: 67135
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 17.9 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

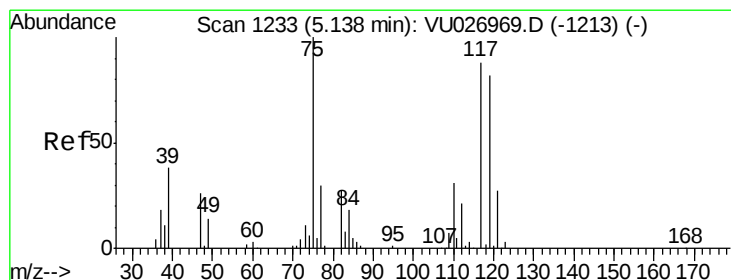
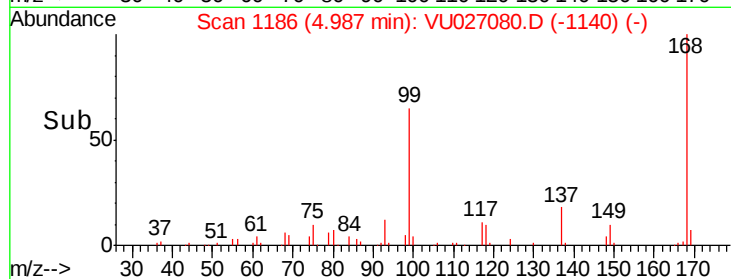
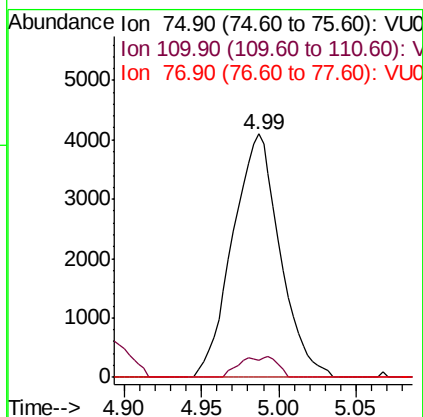
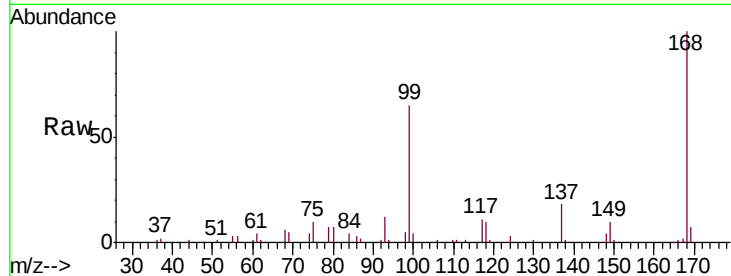




#36
 1,1-Dichloropropene
 Concen: 4.170 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027080.D
 Acq: 23 Sep 2018 18:24

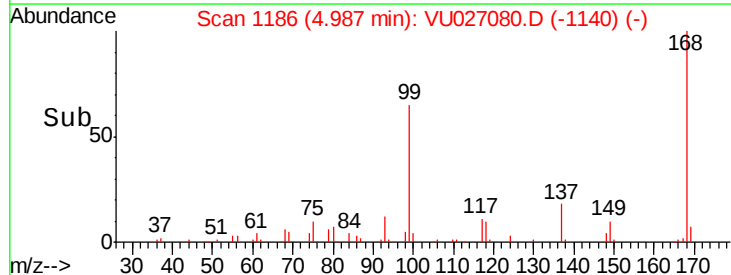
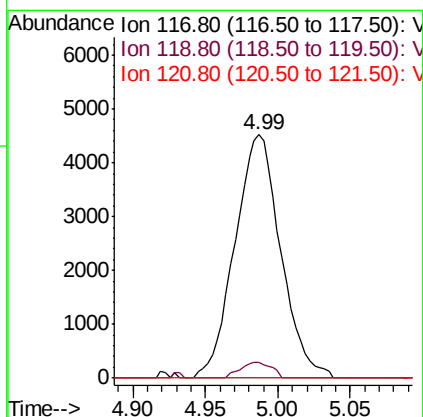
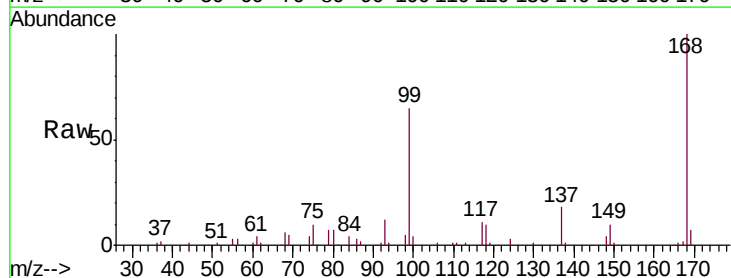
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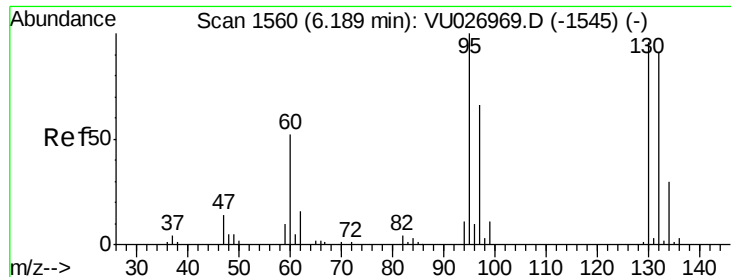
Tgt Ion: 75 Resp: 8718
 Ion Ratio Lower Upper
 75 100
 110 3.8 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.002 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027080.D
 Acq: 23 Sep 2018 18:24

Tgt Ion: 117 Resp: 9951
 Ion Ratio Lower Upper
 117 100
 119 6.3 74.4 111.6#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 2.772 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027080.D

Acq: 23 Sep 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

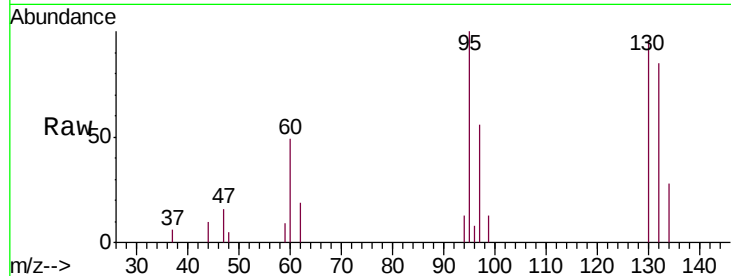
BP-DUP04-20180916

Tgt Ion:130 Resp: 3750

Ion Ratio Lower Upper

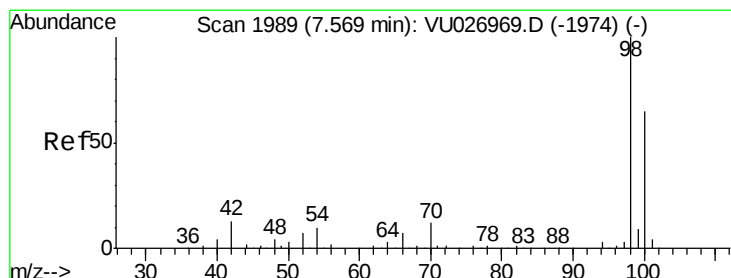
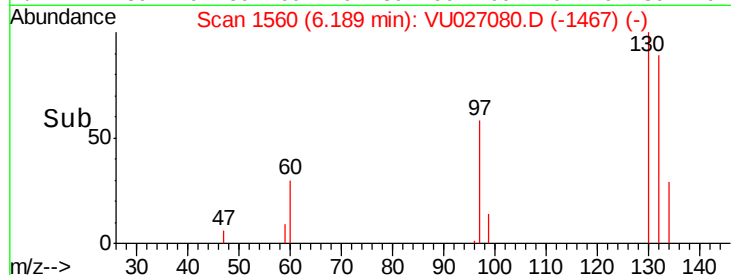
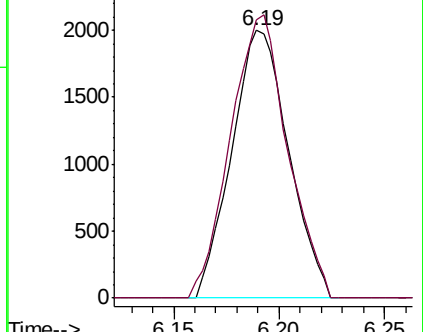
130 100

95 104.0 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)



#50

Toluene-d8

Concen: 48.573 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027080.D

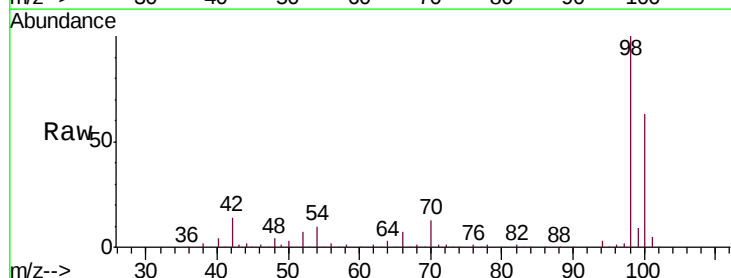
Acq: 23 Sep 2018 18:24

Tgt Ion: 98 Resp: 251342

Ion Ratio Lower Upper

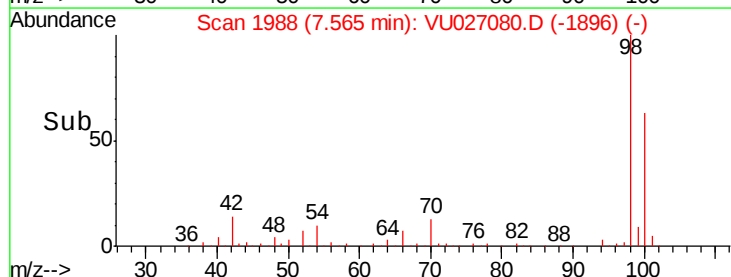
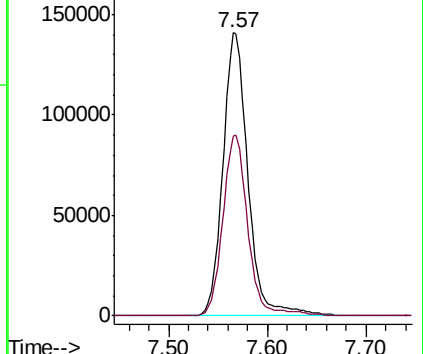
98 100

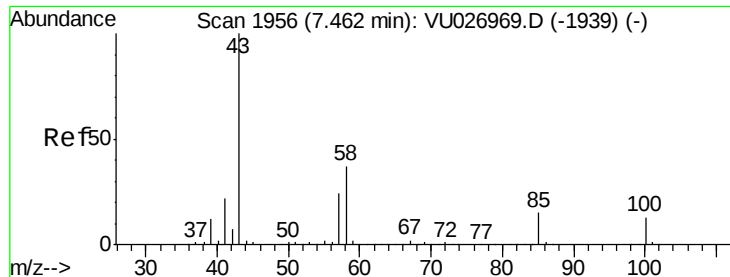
100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

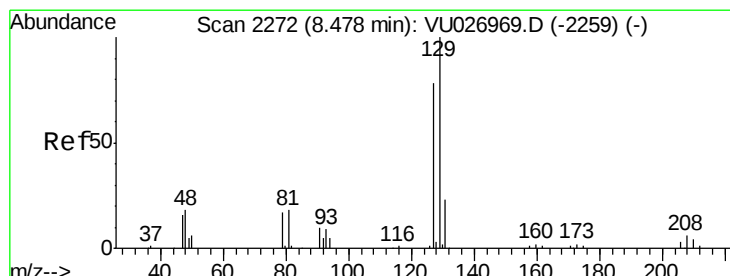
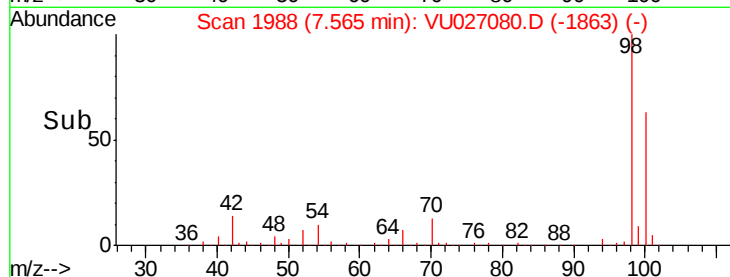
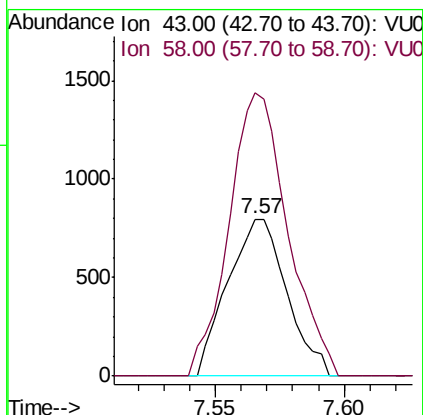
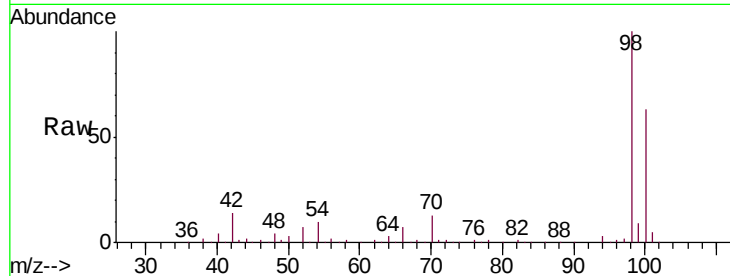




#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

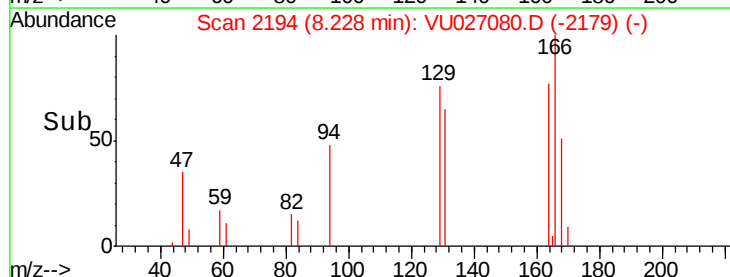
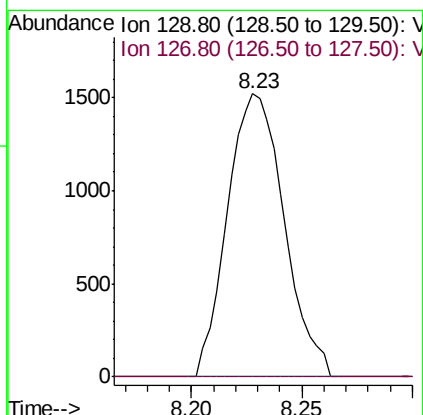
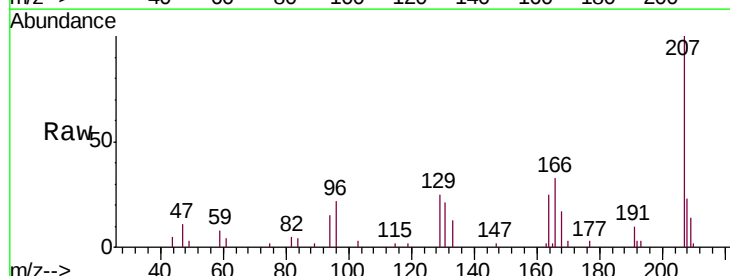
Instrument :
MSVOA_U
ClientSampleId :
BP-DUP04-20180916

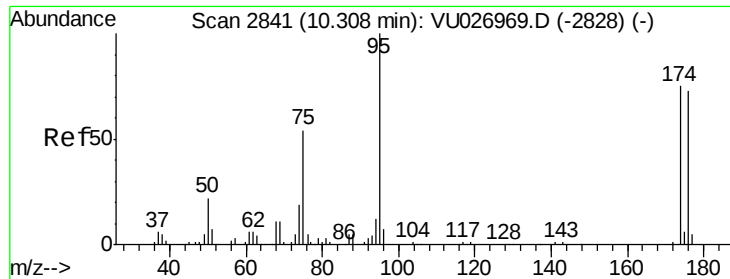
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 179.7 29.8 44.6#



#60
Dibromochloromethane
Concen: 1.794 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

Tgt Ion: 129 Resp: 2716
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

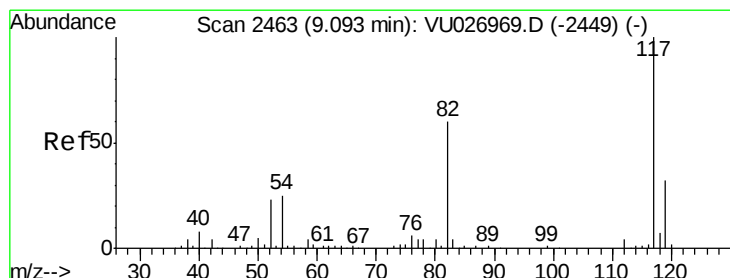
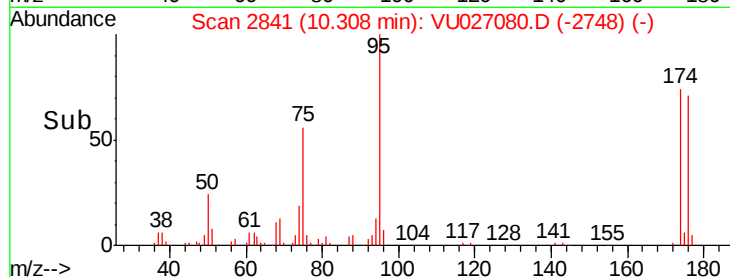
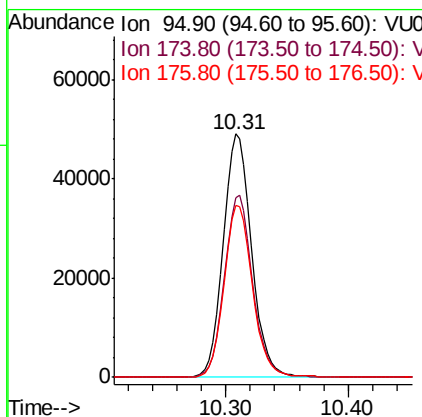
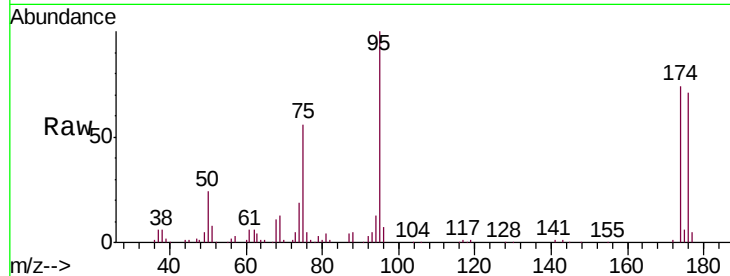




#62
4-Bromofluorobenzene
Concen: 45.134 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

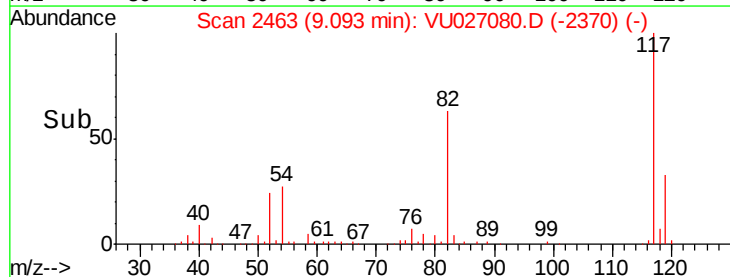
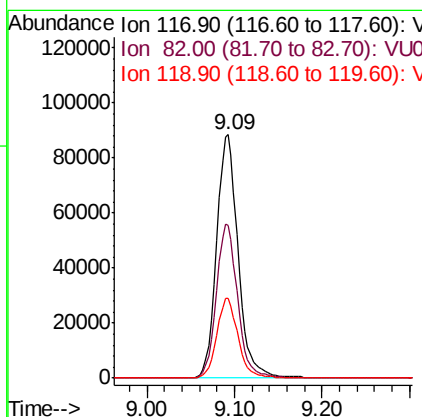
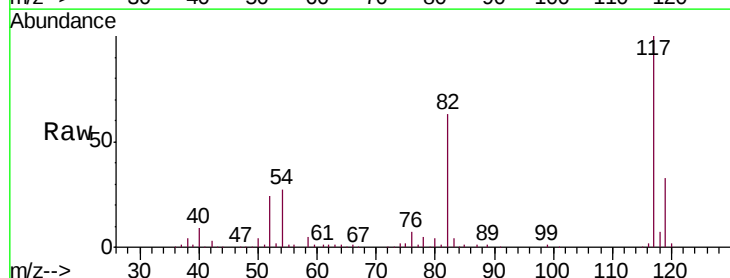
Instrument :
MSVOA_U
ClientSampleId :
BP-DUP04-20180916

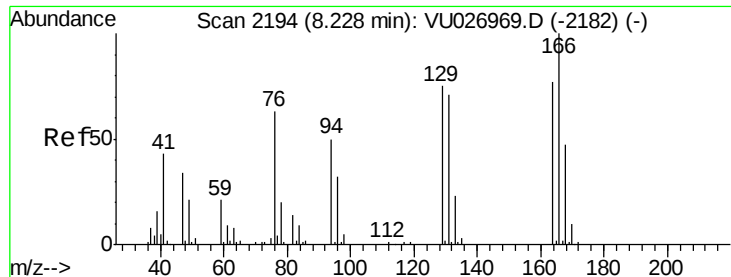
Tgt Ion: 95 Resp: 80137
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.2
176 70.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027080.D
Acq: 23 Sep 2018 18:24

Tgt Ion: 117 Resp: 150847
Ion Ratio Lower Upper
117 100
82 62.6 48.0 72.0
119 32.7 25.8 38.8





#64

Tetrachloroethene

Concen: 2.373 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027080.D

Acq: 23 Sep 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP04-20180916

Tgt Ion:164 Resp: 2758

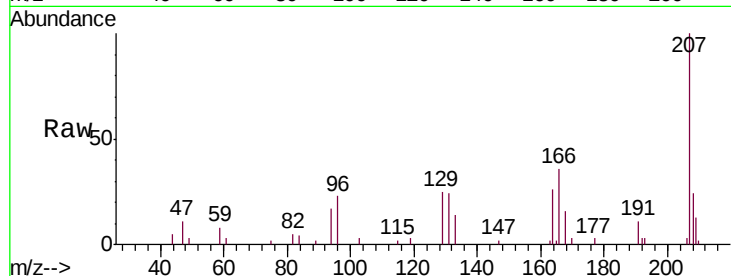
Ion Ratio Lower Upper

164 100

166 137.1 104.4 156.6

129 94.3 78.7 118.1

131 92.0 73.9 110.9

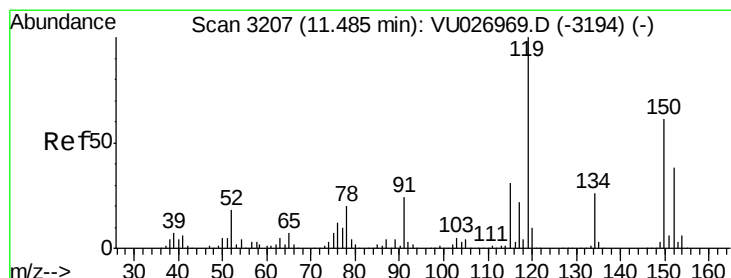
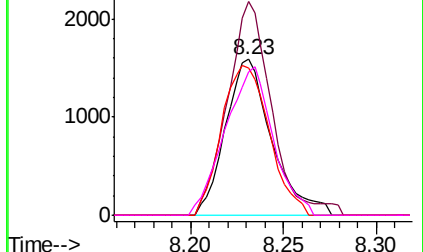
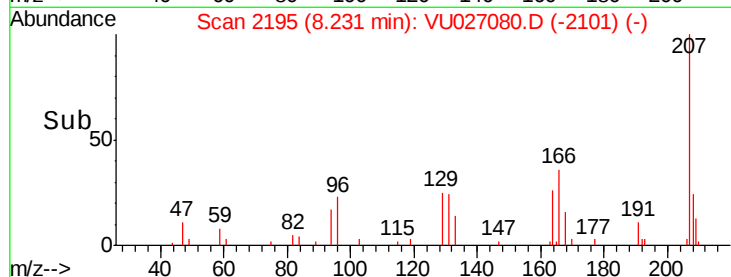


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VU027080.D

Acq: 23 Sep 2018 18:24

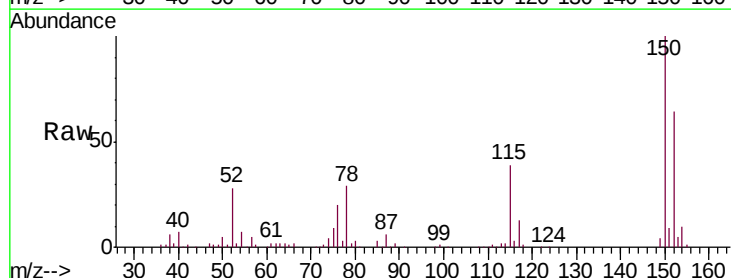
Tgt Ion:152 Resp: 68509

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

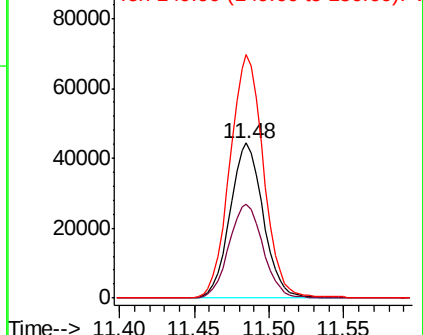
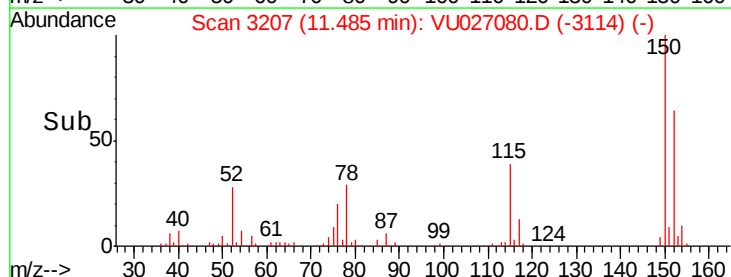
150 159.3 0.0 355.8

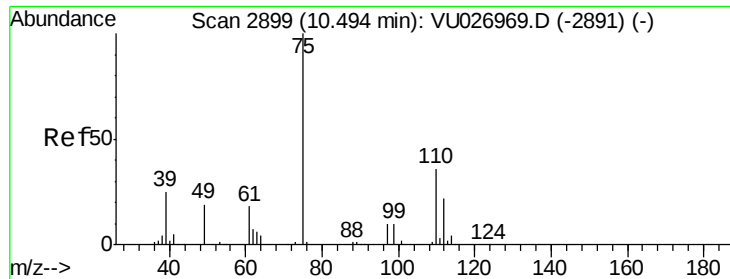


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.238 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027080.D

Acq: 23 Sep 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

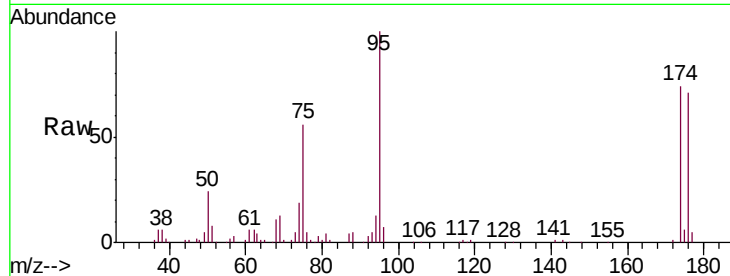
BP-DUP04-20180916

Tgt Ion: 75 Resp: 44202

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

30000

25000

20000

15000

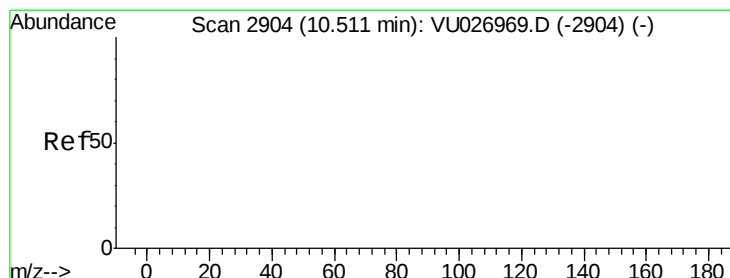
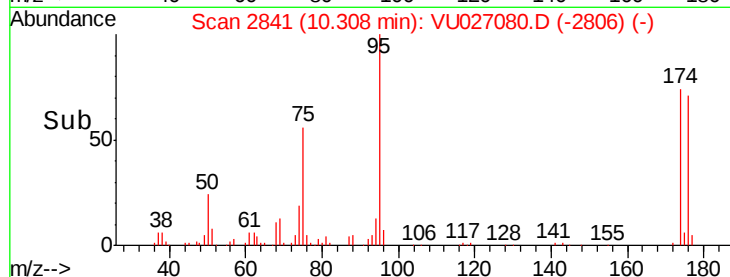
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 67.965 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027080.D

Acq: 23 Sep 2018 18:24

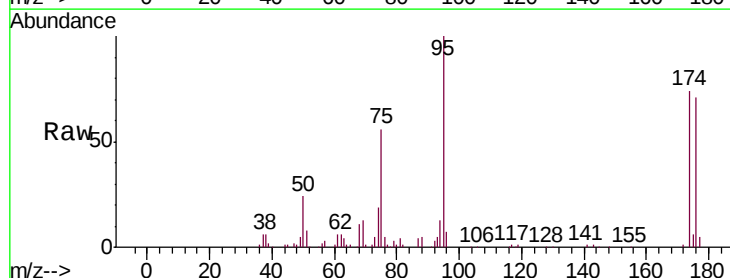
Tgt Ion: 75 Resp: 44202

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

30000

20000

10000

0

10.25 10.30 10.35 10.40

Time-->

