

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026918.D
 Acq On : 19 Sep 2018 23:32
 Operator : MD/SY
 Sample : J4934-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW184I-20180912

Quant Time: Sep 20 05:37:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

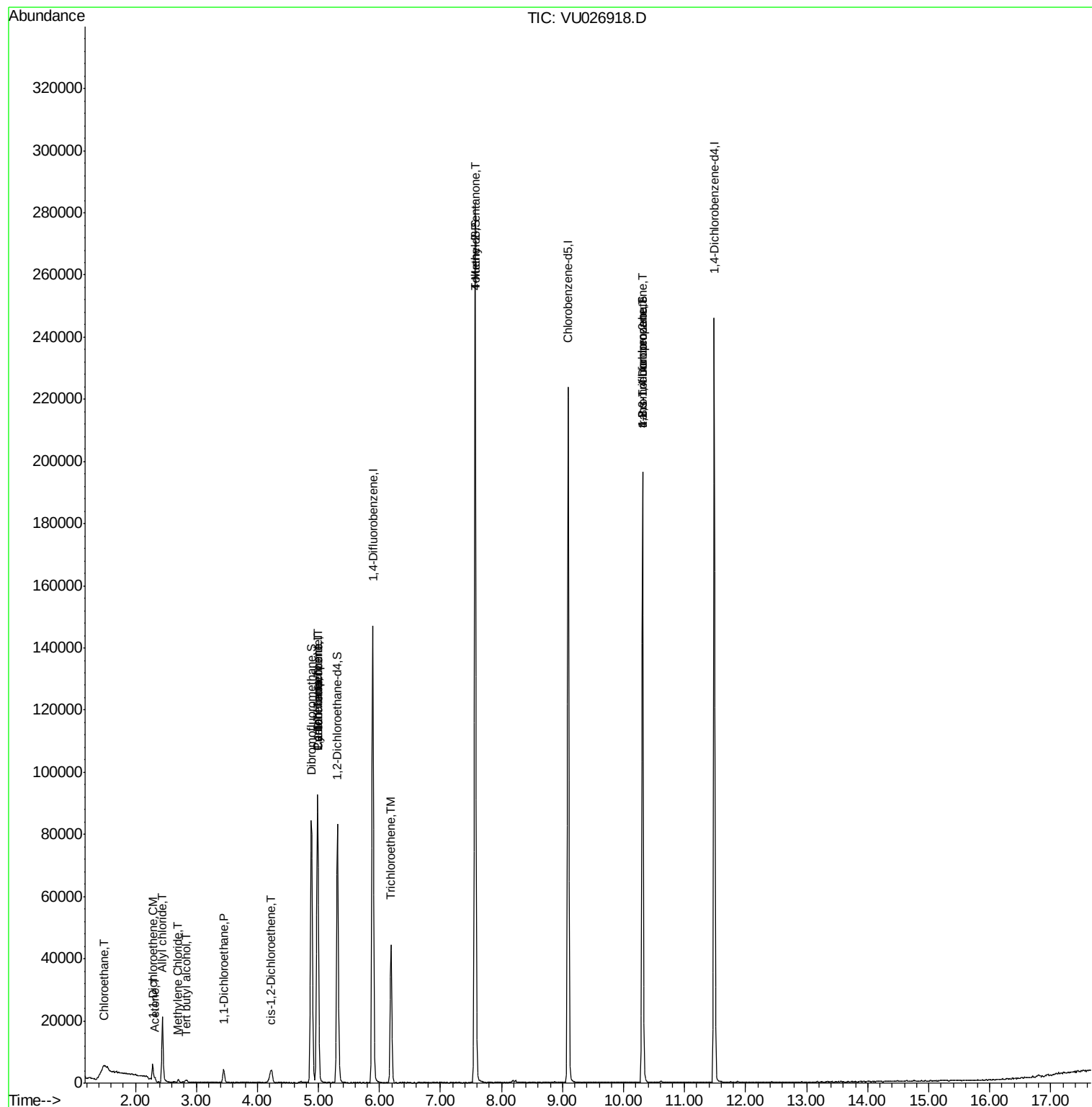
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	74970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	126372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	126961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	66395	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	63842	56.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.28%	
35) Dibromofluoromethane	4.88	113	58085	56.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.70%	
50) Toluene-d8	7.57	98	188776	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	10.31	95	62547	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.49	64	15789	21.155	ug/l #	54
11) Tert butyl alcohol	2.83	59	607	2.190	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	1661	1.930	ug/l	94
14) Allyl chloride	2.44	41	2112	1.362	ug/l #	72
16) Acetone	2.32	43	1375	2.135	ug/l	89
20) Methylene Chloride	2.70	84	371	0.355	ug/l #	82
24) 1,1-Dichloroethane	3.45	63	5258	2.881	ug/l #	94
27) cis-1,2-Dichloroethene	4.23	96	2422	2.318	ug/l	87
31) Cyclohexane	4.99	56	1135	0.501	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	5261	3.708	ug/l #	46
38) Carbon Tetrachloride	4.98	117	6674	4.452	ug/l #	16
44) Trichloroethene	6.19	130	17118	15.697	ug/l	91
51) 4-Methyl-2-Pentanone	7.57	43	704	0.405	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	31139	20.937	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	31139	64.315	ug/l #	100

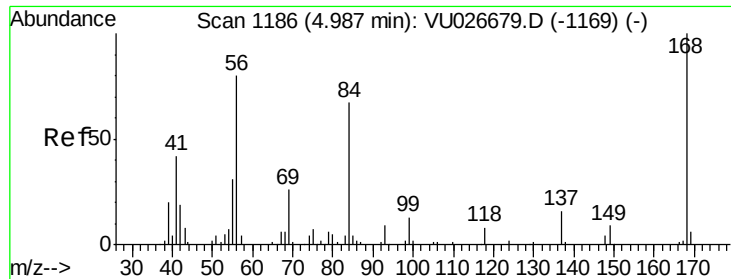
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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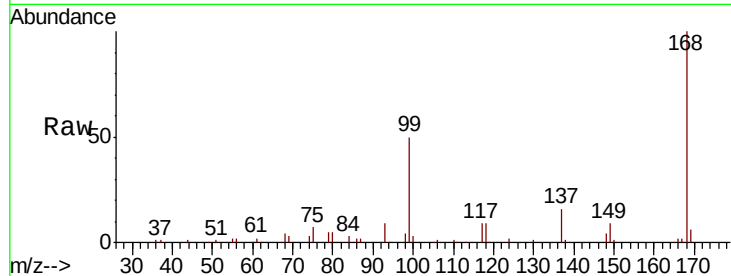




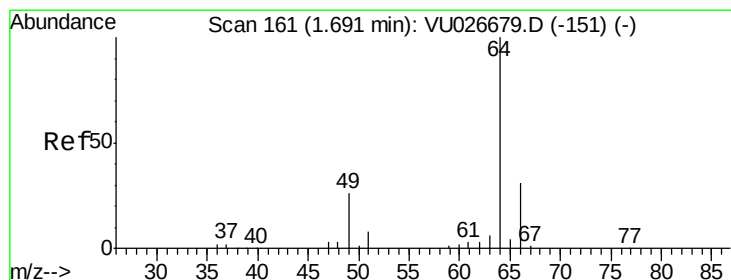
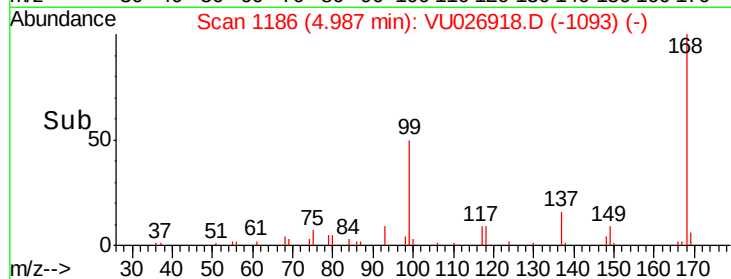
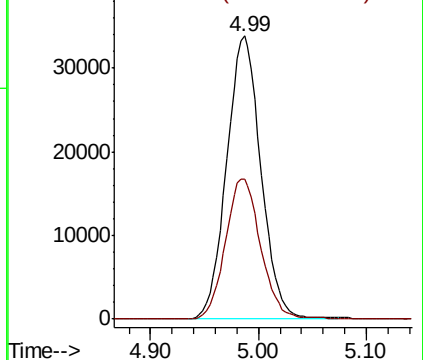
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU026918.D
Acq: 19 Sep 2018 23:32

Instrument :
MSVOA_U
ClientSampleId :
SA-MW184I-20180912

Tgt Ion:168 Resp: 74970
Ion Ratio Lower Upper
168 100
99 49.6 42.0 63.0

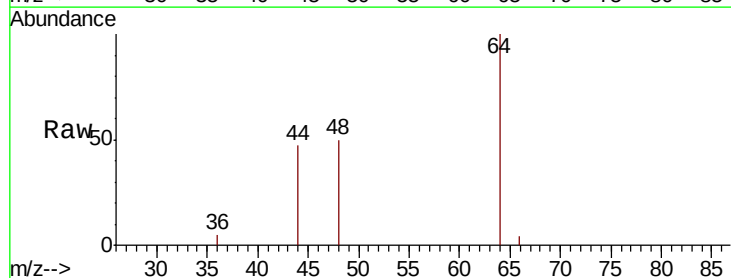


Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

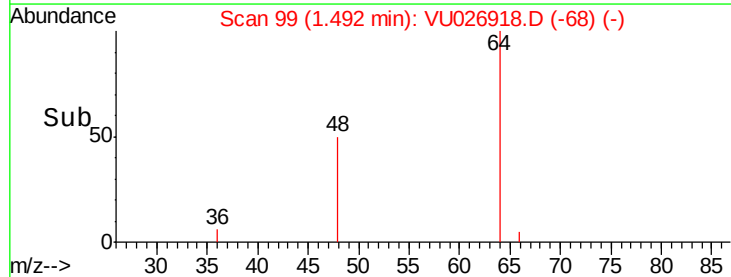
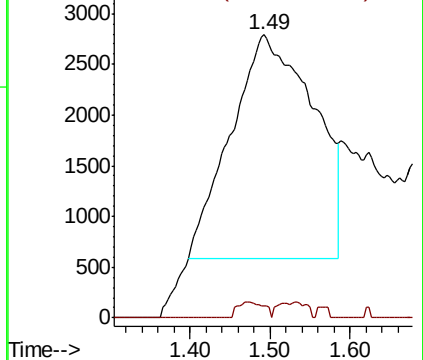


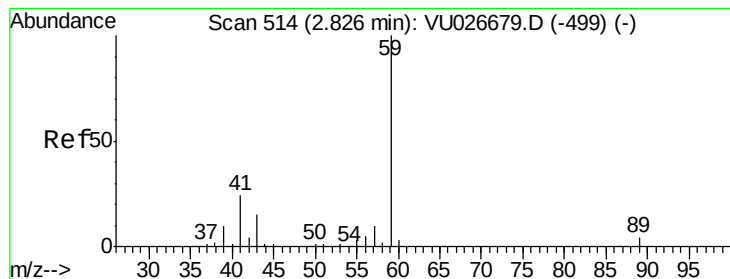
#6
Chloroethane
Concen: 21.155 ug/l
RT: 1.49 min Scan# 99
Delta R.T. -0.20 min
Lab File: VU026918.D
Acq: 19 Sep 2018 23:32

Tgt Ion: 64 Resp: 15789
Ion Ratio Lower Upper
64 100
66 5.5 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VU026679.D (-151) (-)
Ion 65.90 (65.60 to 66.60): VU026679.D (-151) (-)



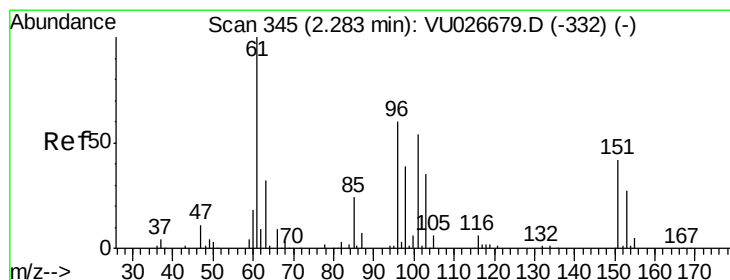
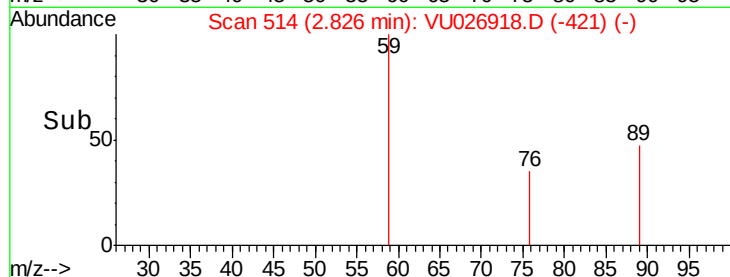
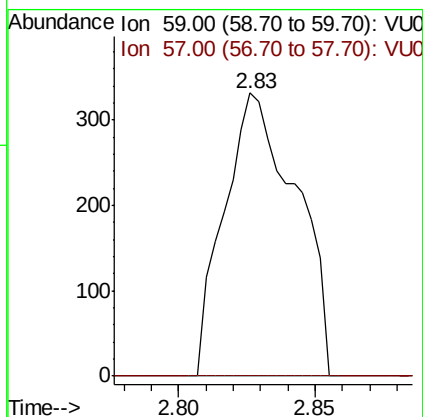
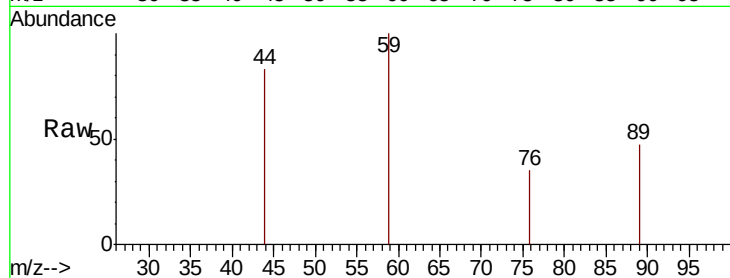


#11

Tert butyl alcohol
 Concen: 2.190 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Instrument :
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 ClientSampleId :
 SA-MW184I-20180912

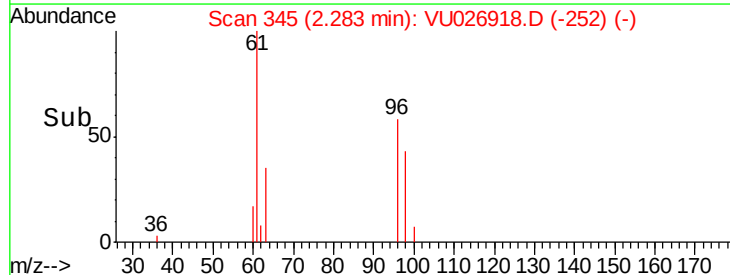
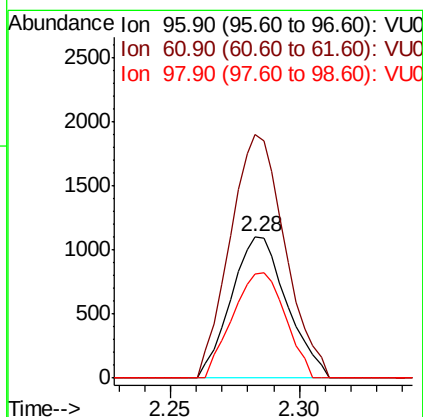
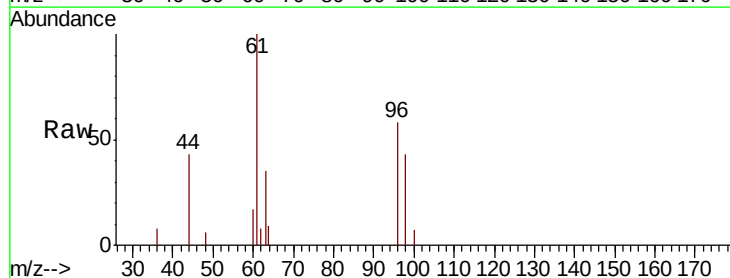
Tgt Ion: 59 Resp: 607
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

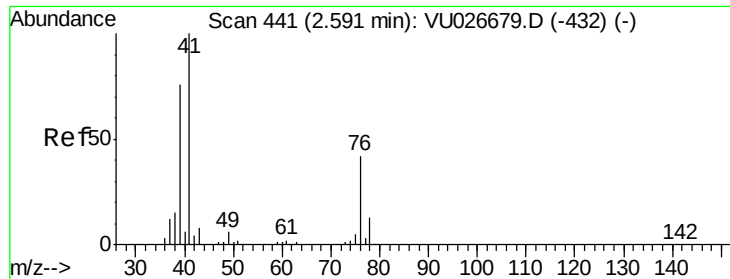


#12

1,1-Dichloroethene
 Concen: 1.930 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Tgt Ion: 96 Resp: 1661
 Ion Ratio Lower Upper
 96 100
 61 171.7 133.0 199.6
 98 73.8 51.3 76.9

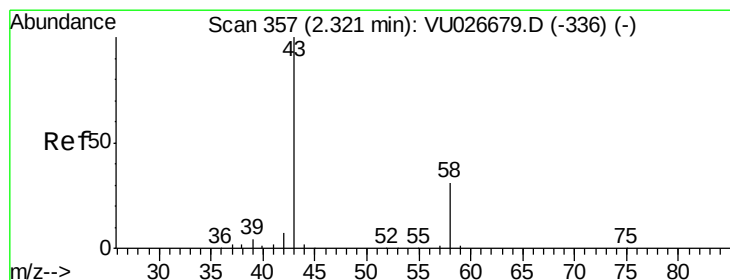
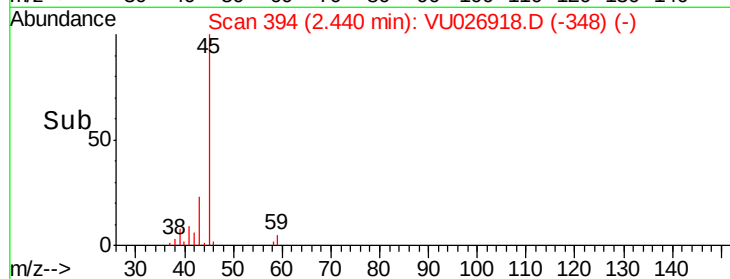
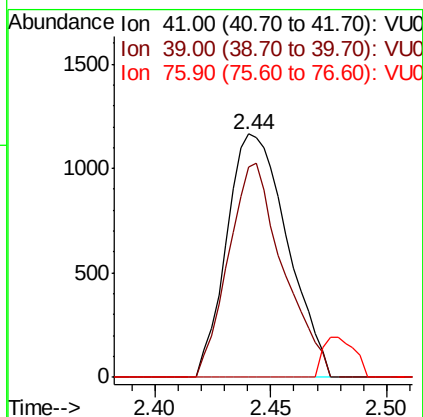
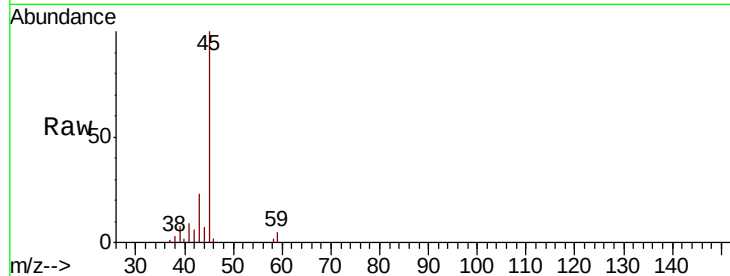




#14
 Allyl chloride
 Concen: 1.362 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

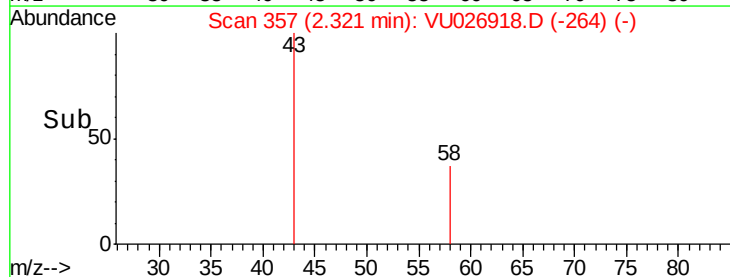
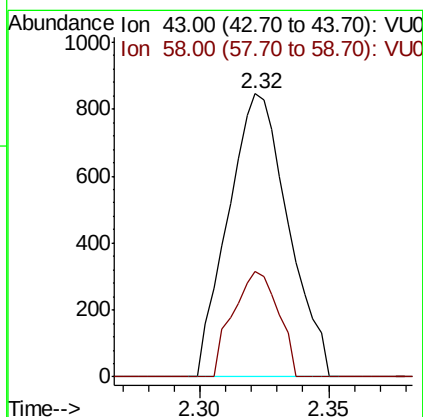
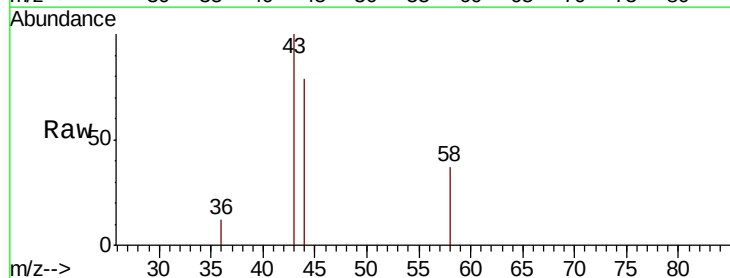
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW184I-20180912

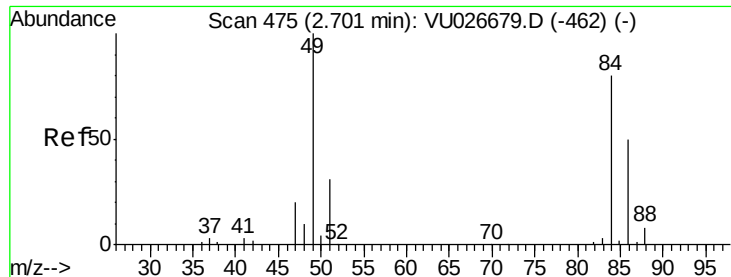
Tgt Ion: 41 Resp: 2112
 Ion Ratio Lower Upper
 41 100
 39 79.5 56.9 85.3
 76 0.0 29.7 44.5#



#16
 Acetone
 Concen: 2.135 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Tgt Ion: 43 Resp: 1375
 Ion Ratio Lower Upper
 43 100
 58 37.2 25.1 37.7

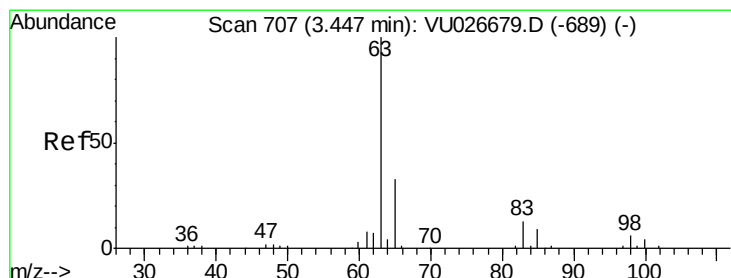
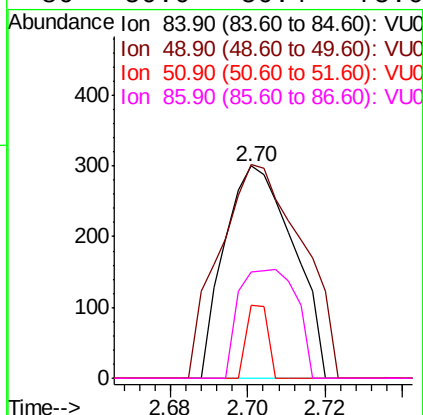
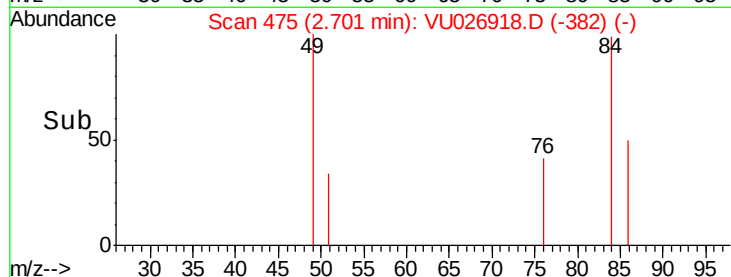
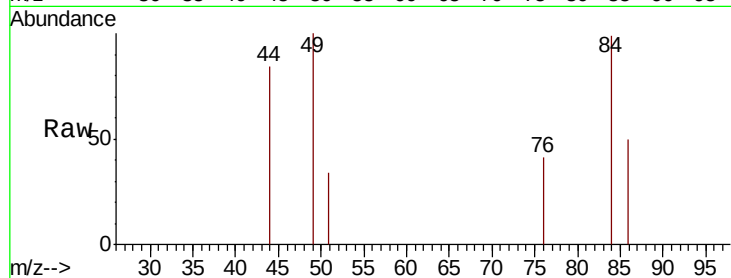




#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026918.D
Acq: 19 Sep 2018 23:32

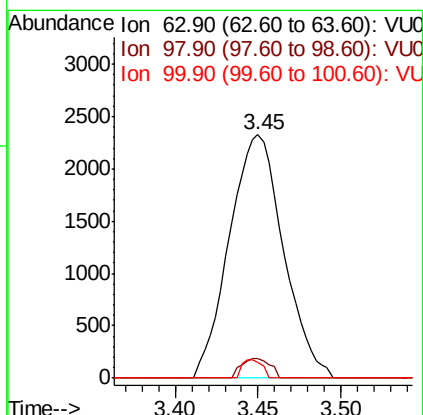
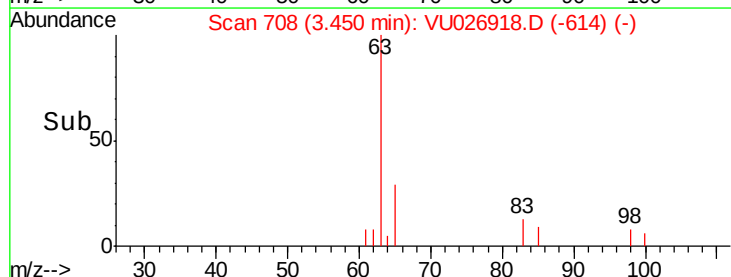
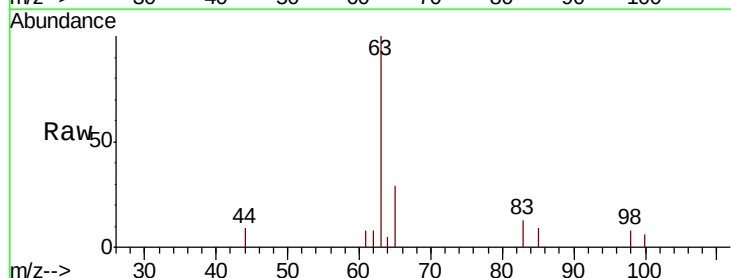
Instrument :
MSVOA_U
ClientSampleId :
SA-MW184I-20180912

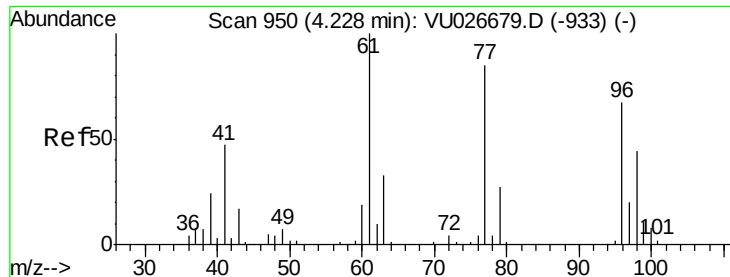
Tgt Ion: 84 Resp: 371
Ion Ratio Lower Upper
84 100
49 100.7 100.6 151.0
51 34.7 30.9 46.3
86 50.0 50.4 75.6#



#24
1,1-Dichloroethane
Concen: 2.881 ug/l
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU026918.D
Acq: 19 Sep 2018 23:32

Tgt Ion: 63 Resp: 5258
Ion Ratio Lower Upper
63 100
98 7.8 3.1 9.4
100 6.4 2.0 6.0#



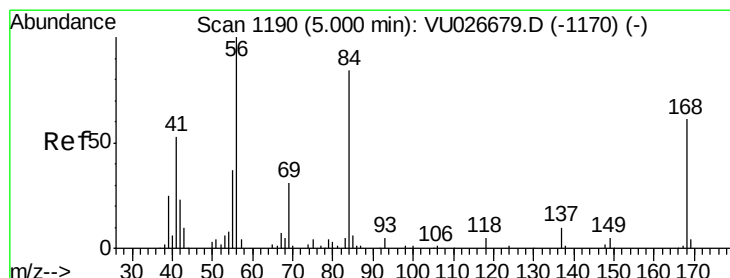
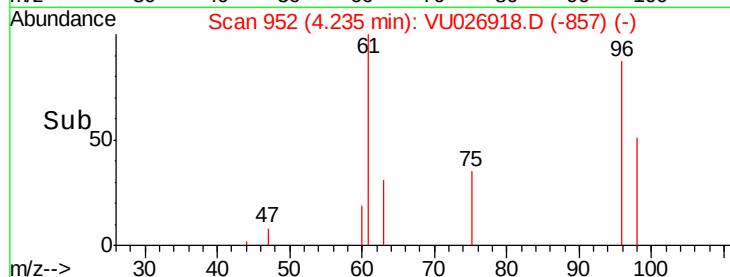
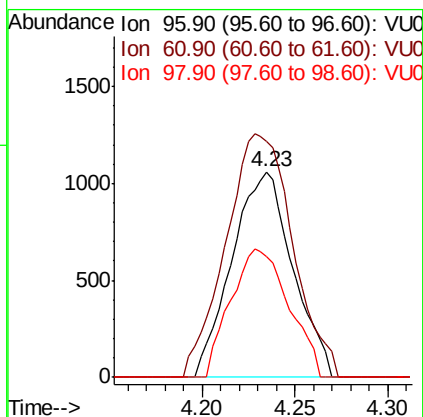
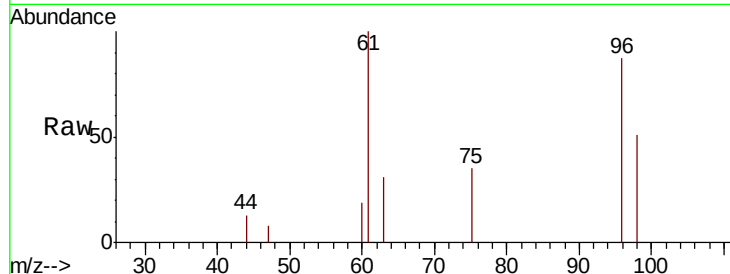


#27

cis-1,2-Dichloroethene
 Concen: 2.318 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW184I-20180912

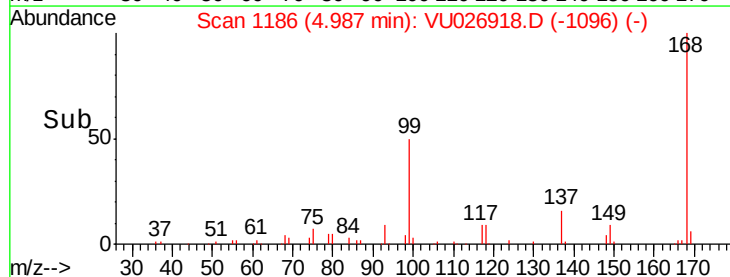
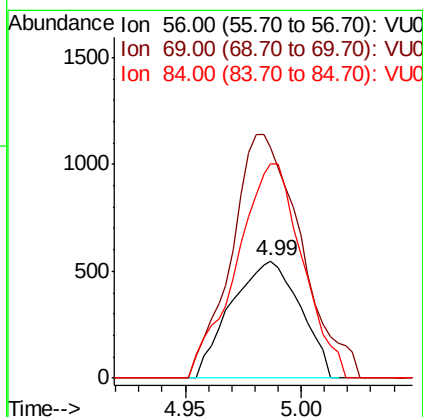
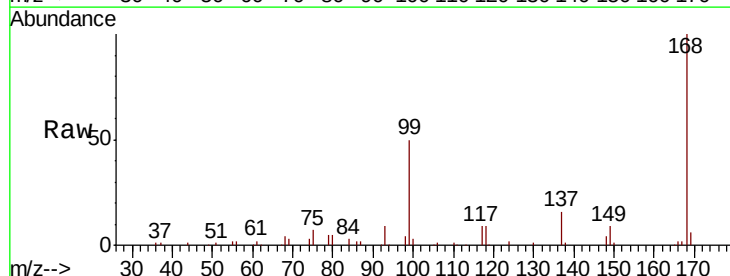
Tgt Ion: 96 Resp: 2422
 Ion Ratio Lower Upper
 96 100
 61 130.4 0.0 301.8
 98 59.4 0.0 127.2

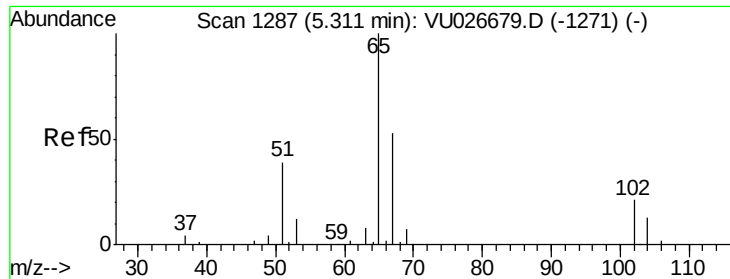


#31

Cyclohexane
 Concen: 0.501 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Tgt Ion: 56 Resp: 1135
 Ion Ratio Lower Upper
 56 100
 69 197.8 24.9 37.3#
 84 183.4 66.6 100.0#

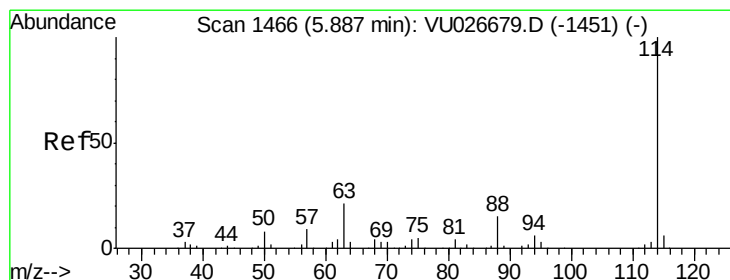
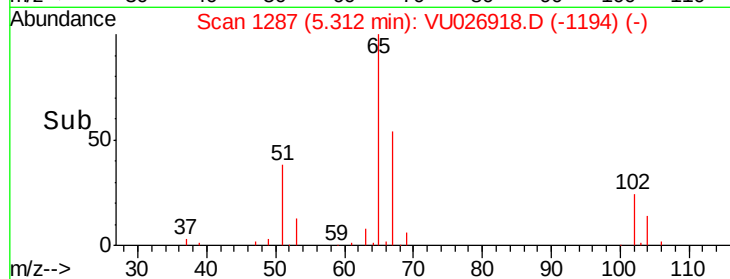
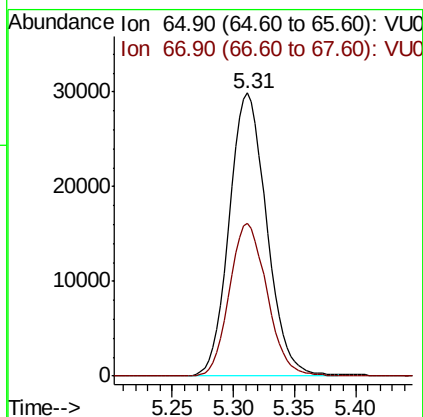
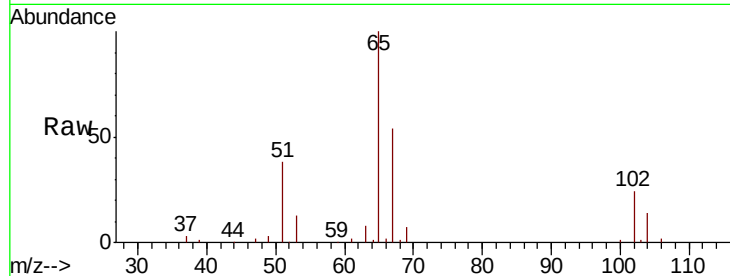




#33
 1,2-Dichloroethane-d4
 Concen: 56.137 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

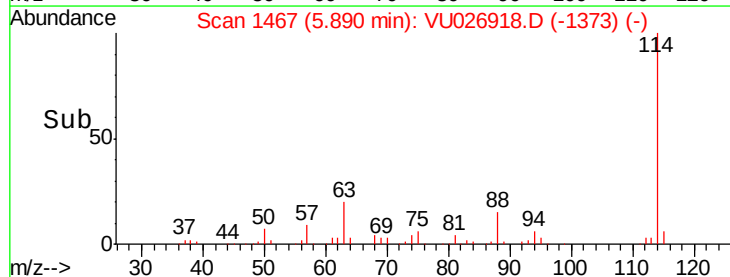
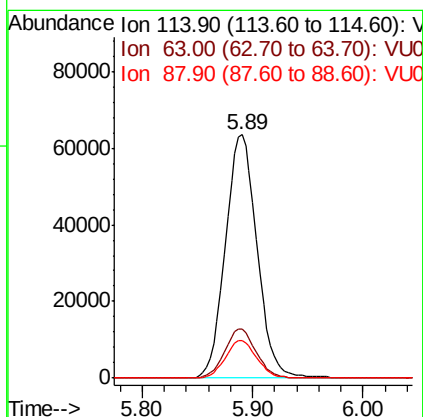
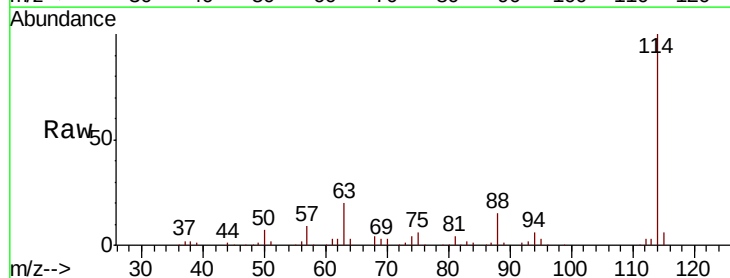
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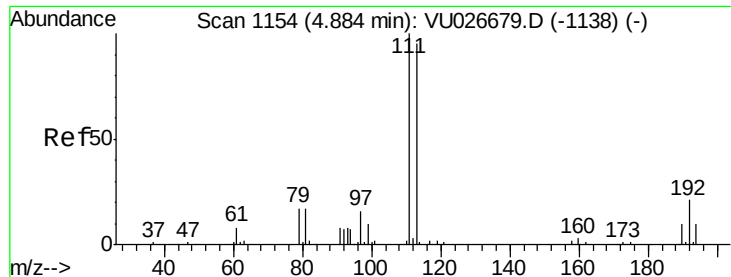
Tgt Ion: 65 Resp: 63842
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Tgt Ion: 114 Resp: 126372
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 56.349 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026918.D

Acq: 19 Sep 2018 23:32

Instrument :

MSVOA_U

ClientSampleId :

SA-MW184I-20180912

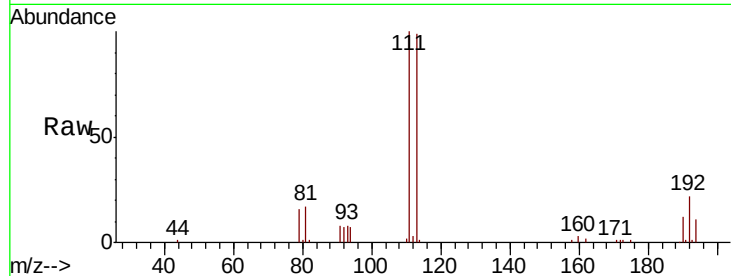
Tgt Ion:113 Resp: 58085

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

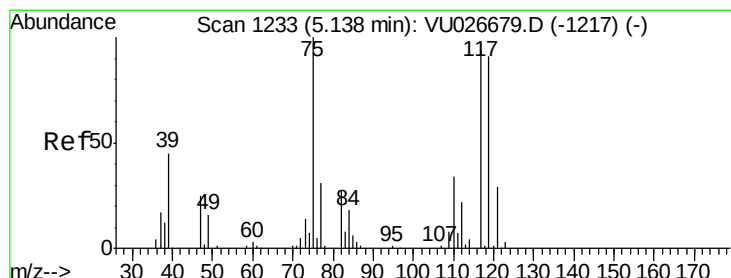
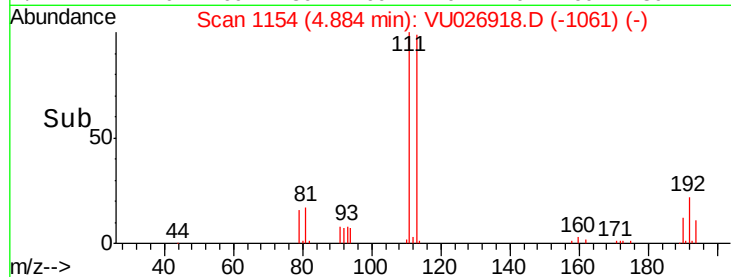
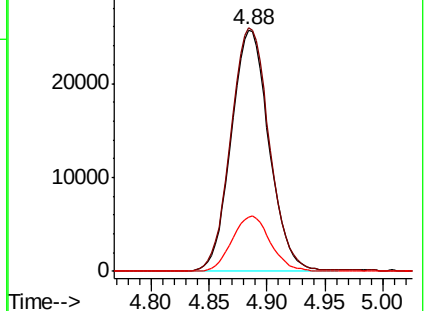
192 23.1 17.4 26.2



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: 3.708 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU026918.D

Acq: 19 Sep 2018 23:32

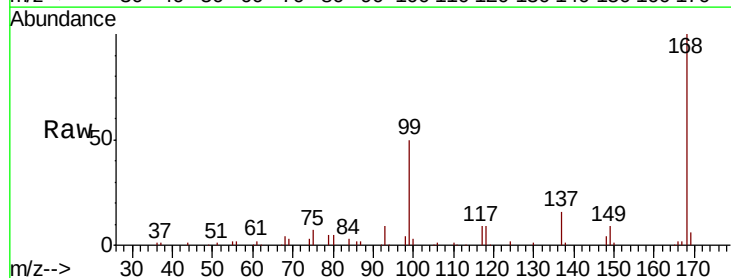
Tgt Ion: 75 Resp: 5261

Ion Ratio Lower Upper

75 100

110 5.2 17.3 51.9#

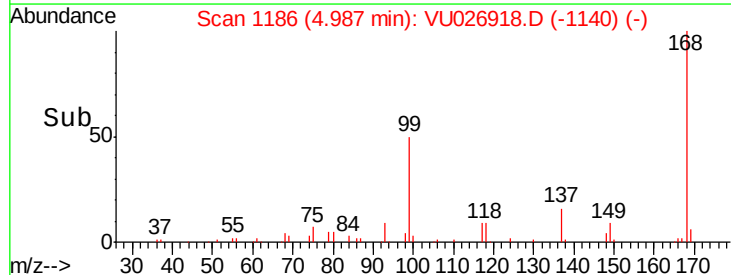
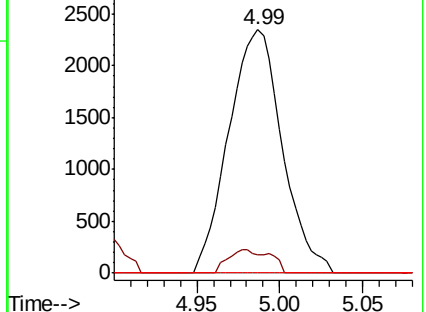
77 0.0 24.9 37.3#

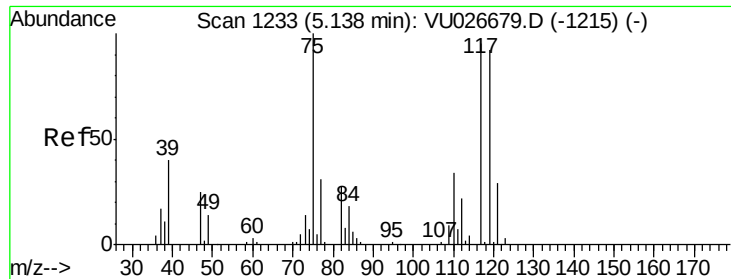


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.452 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU026918.D

Acq: 19 Sep 2018 23:32

Instrument :

MSVOA_U

ClientSampleId :

SA-MW184I-20180912

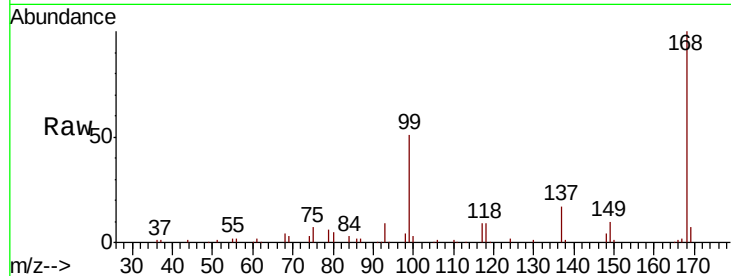
Tgt Ion:117 Resp: 6674

Ion Ratio Lower Upper

117 100

119 5.3 77.8 116.8#

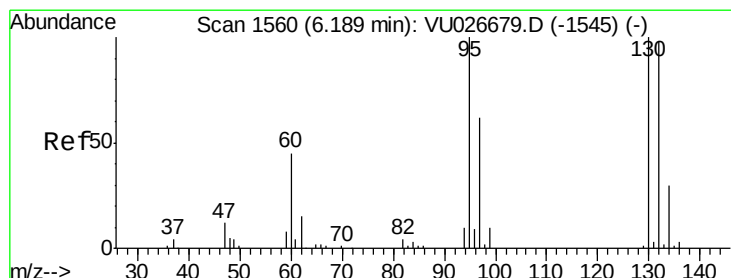
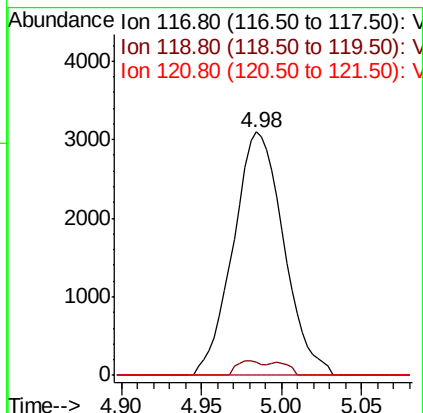
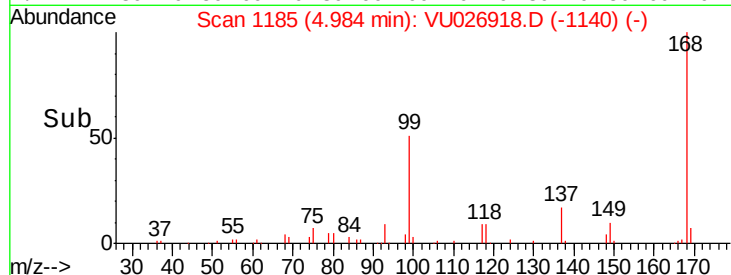
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 15.697 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026918.D

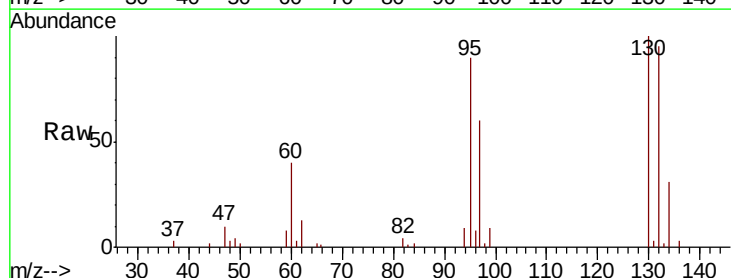
Acq: 19 Sep 2018 23:32

Tgt Ion:130 Resp: 17118

Ion Ratio Lower Upper

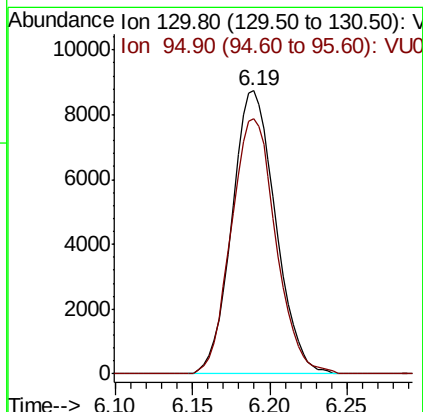
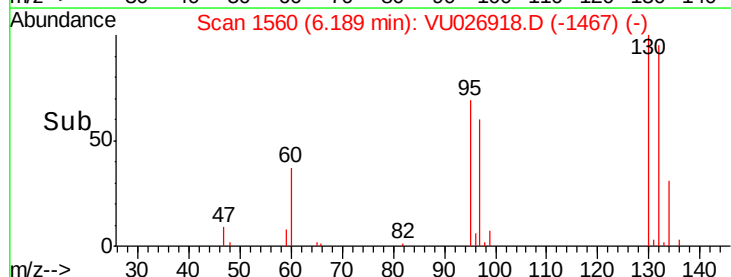
130 100

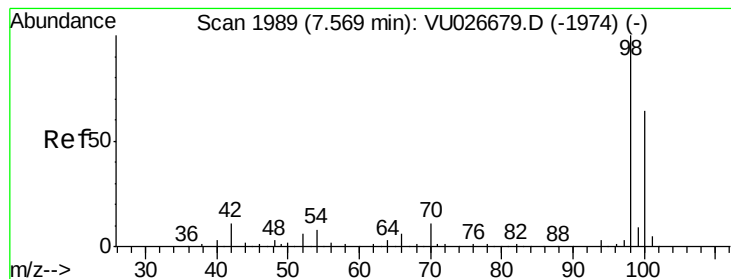
95 90.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 49.515 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026918.D

Acq: 19 Sep 2018 23:32

Instrument :

MSVOA_U

ClientSampleId :

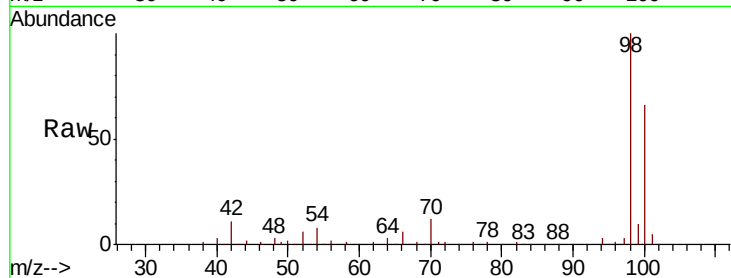
SA-MW184I-20180912

Tgt Ion: 98 Resp: 188776

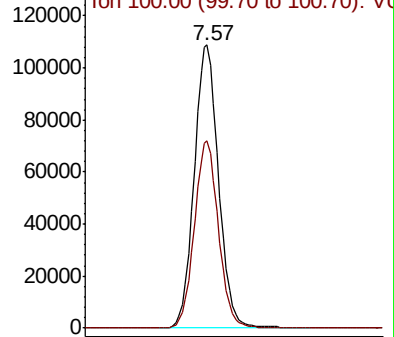
Ion Ratio Lower Upper

98 100

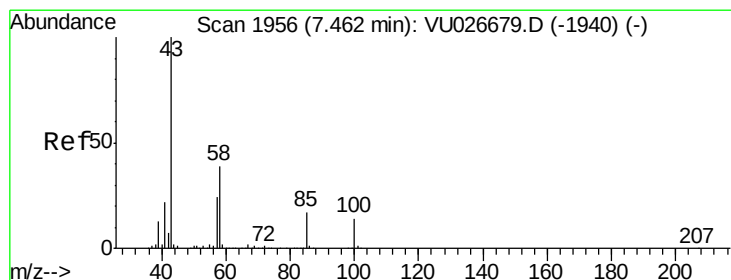
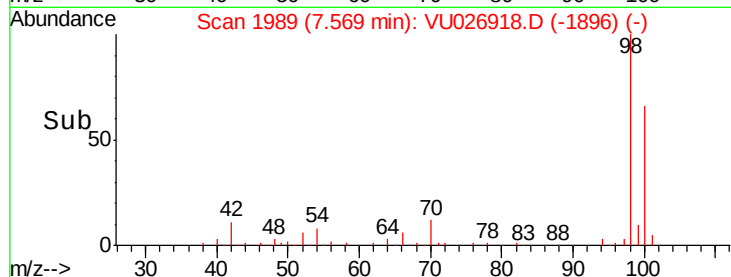
100 65.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU026679.D (-1974) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.405 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU026918.D

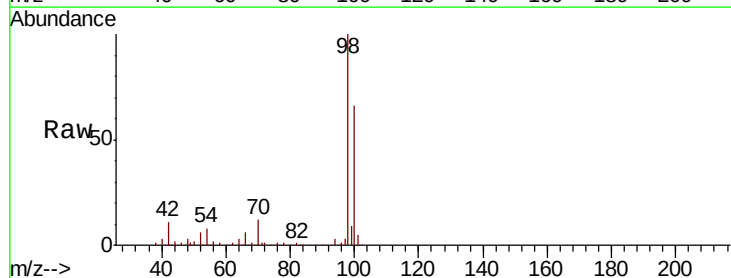
Acq: 19 Sep 2018 23:32

Tgt Ion: 43 Resp: 704

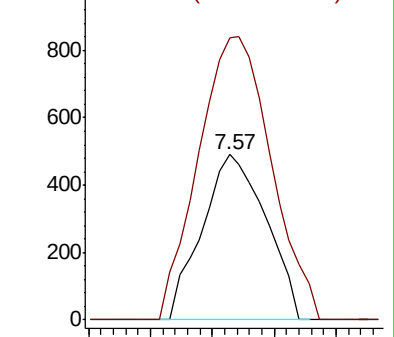
Ion Ratio Lower Upper

43 100

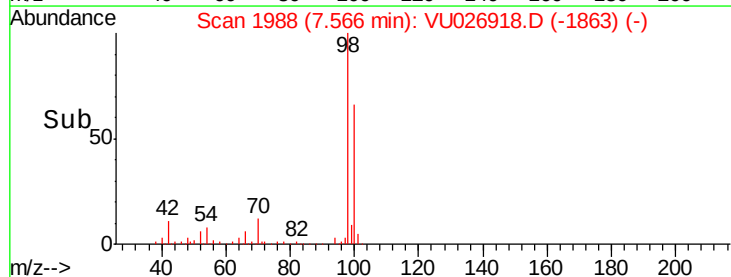
58 194.9 31.1 46.7#

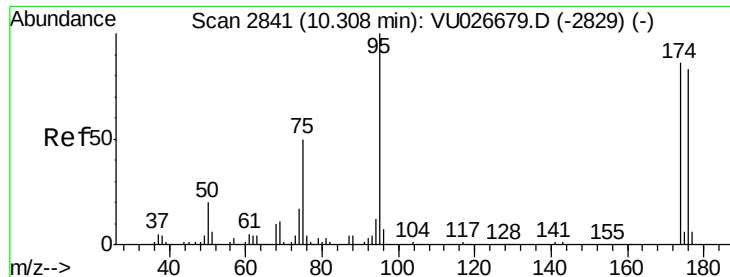


Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-1940) (-)



Time-->

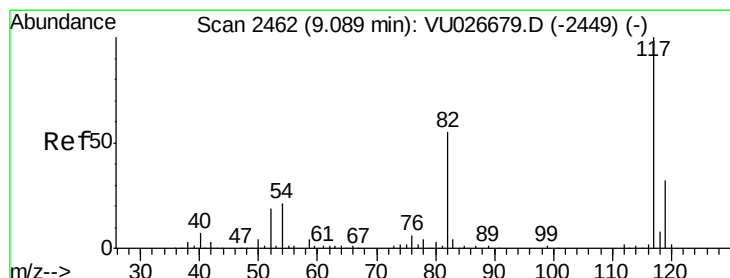
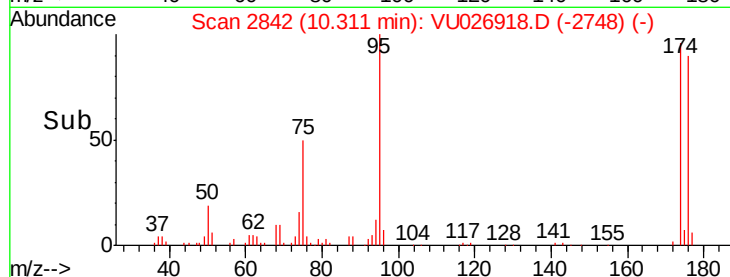
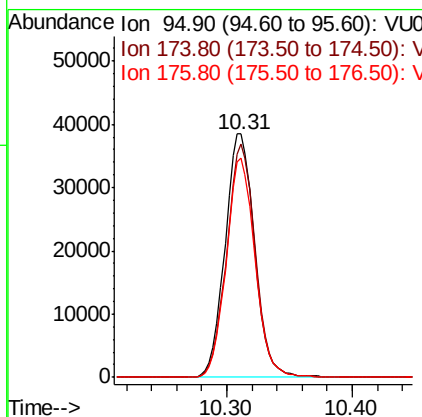
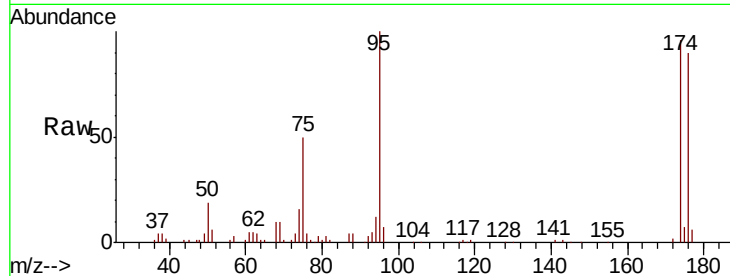




#62
4-Bromofluorobenzene
Concen: 45.266 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU026918.D
Acq: 19 Sep 2018 23:32

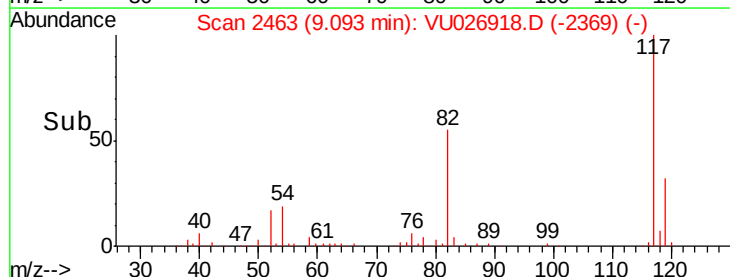
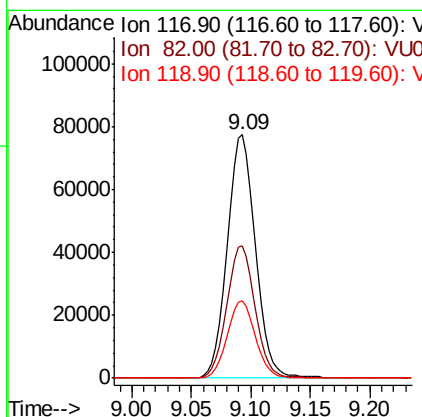
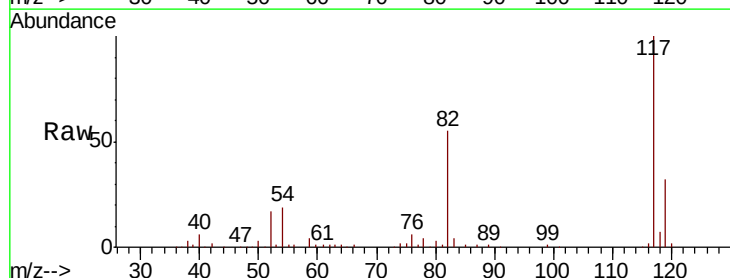
Instrument :
MSVOA_U
ClientSampleId :
SA-MW184I-20180912

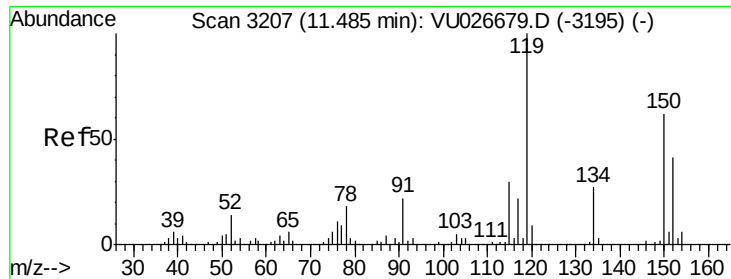
Tgt Ion: 95 Resp: 62547
Ion Ratio Lower Upper
95 100
174 93.3 0.0 172.8
176 88.0 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026918.D
Acq: 19 Sep 2018 23:32

Tgt Ion: 117 Resp: 126961
Ion Ratio Lower Upper
117 100
82 54.5 44.1 66.1
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026918.D

Acq: 19 Sep 2018 23:32

Instrument :

MSVOA_U

ClientSampleId :

SA-MW184I-20180912

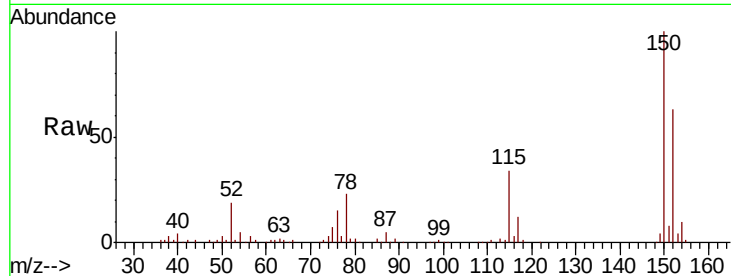
Tgt Ion:152 Resp: 66395

Ion Ratio Lower Upper

152 100

115 54.6 40.4 121.1

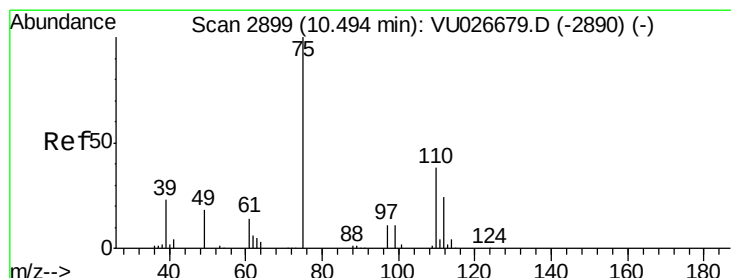
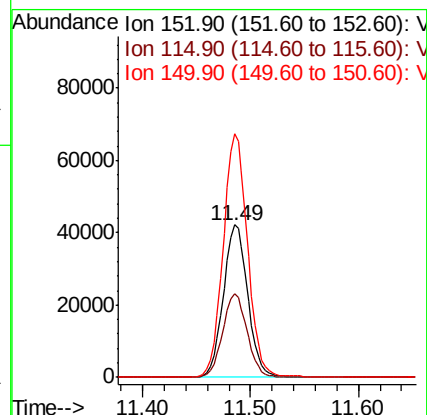
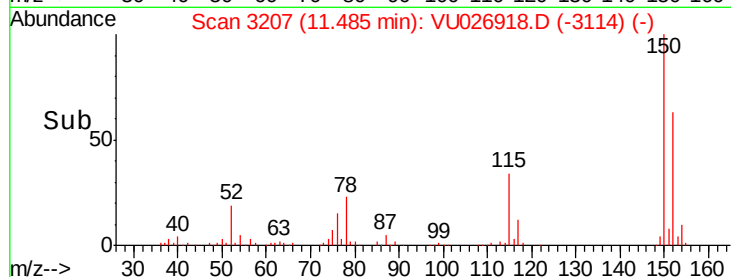
150 158.7 0.0 345.2



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: 20.937 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026918.D

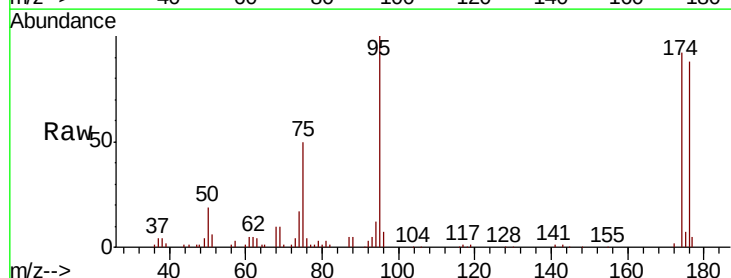
Acq: 19 Sep 2018 23:32

Tgt Ion: 75 Resp: 31139

Ion Ratio Lower Upper

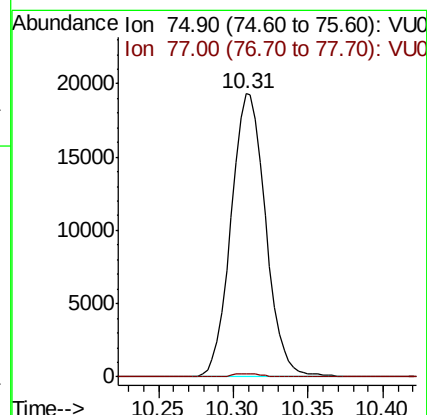
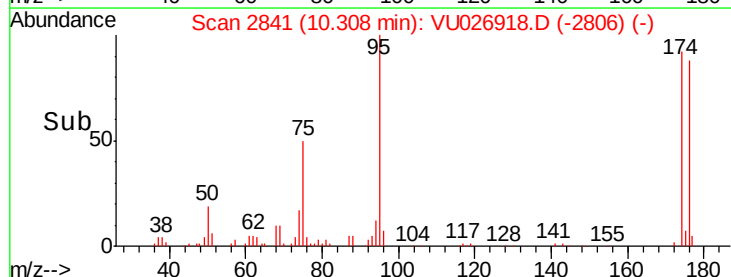
75 100

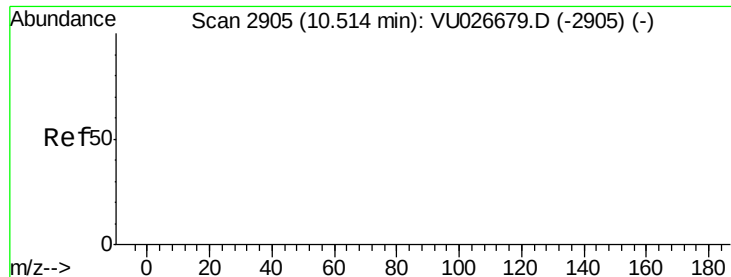
77 0.9 21.1 63.1#



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: 64.315 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU026918.D
 Acq: 19 Sep 2018 23:32

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW184I-20180912

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

