

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028562.D
 Acq On : 10 Dec 2018 19:36
 Operator : MD/SY
 Sample : J6325-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-125D2-20181204

Quant Time: Dec 11 04:18:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

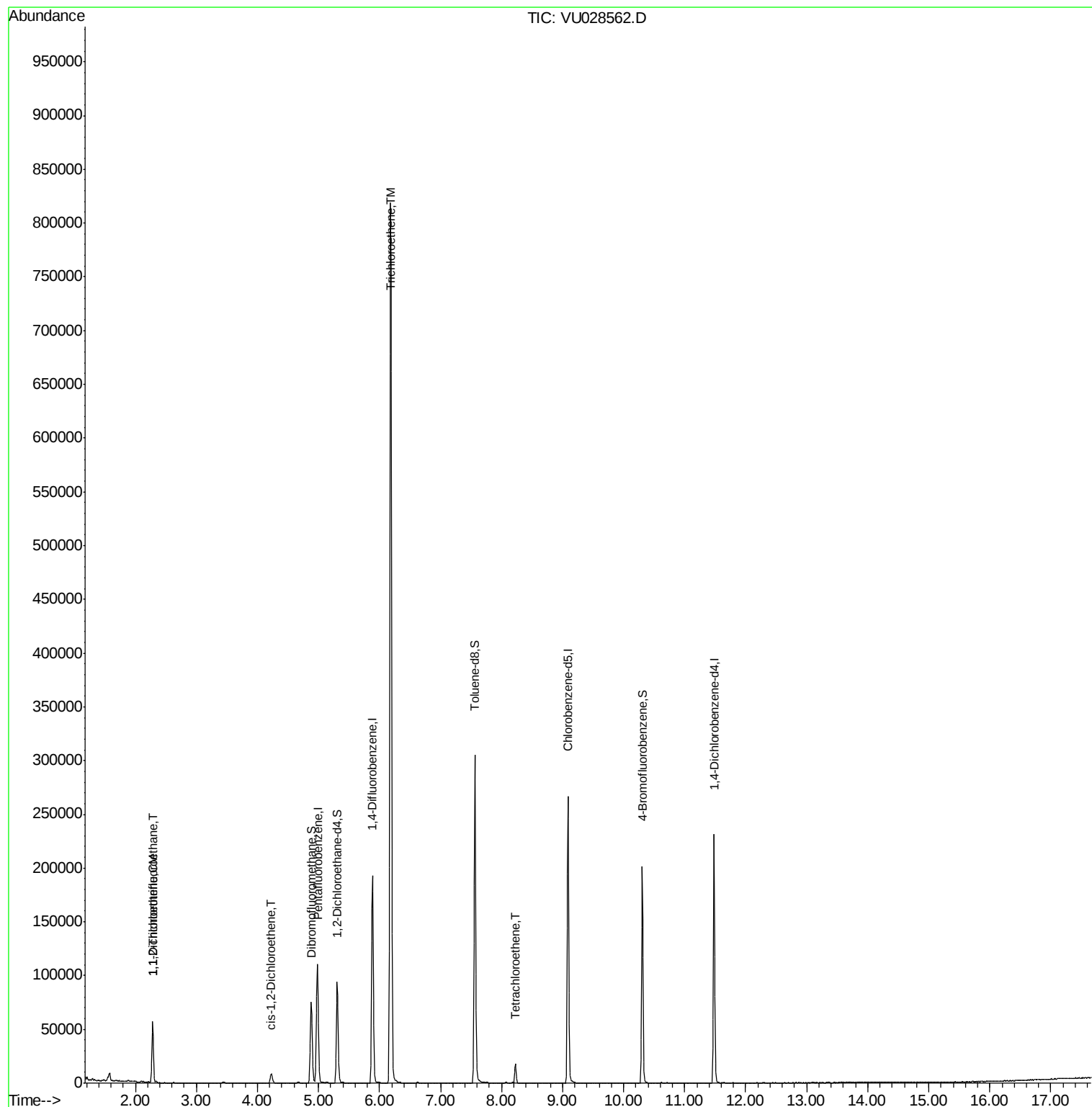
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	153873	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	140398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	71646	58.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.32%	
35) Dibromofluoromethane	4.88	113	51714	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
50) Toluene-d8	7.57	98	201263	52.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	10.31	95	66798	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.32%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	2.29	101	16221	17.957	ug/l	97
12) 1,1-Dichloroethene	2.28	96	4877	5.426	ug/l	95
27) cis-1,2-Dichloroethene	4.22	96	4876	4.257	ug/l	93
44) Trichloroethene	6.18	130	267921	242.975	ug/l	99
64) Tetrachloroethene	8.23	164	4193	4.477	ug/l	87

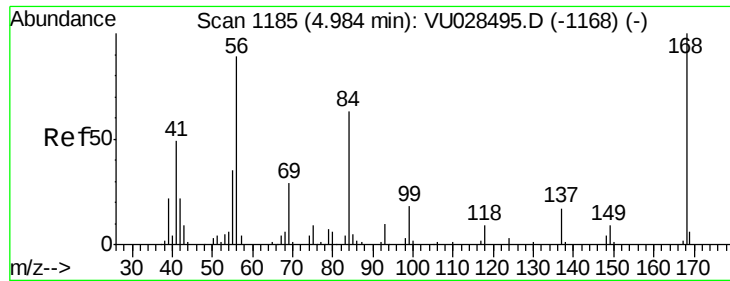
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

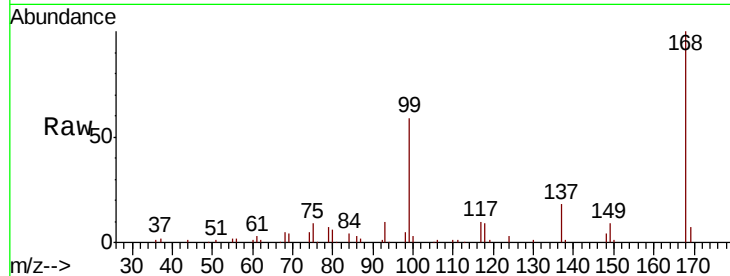
RE-125D2-20181204

Tot Ion:168 Resp: 80724

Ion Ratio Lower Upper

168 100

99 58.9 46.6 69.8



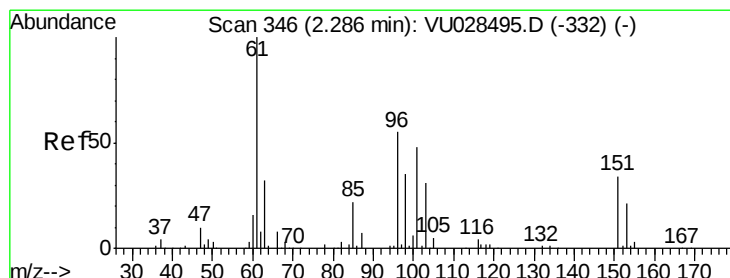
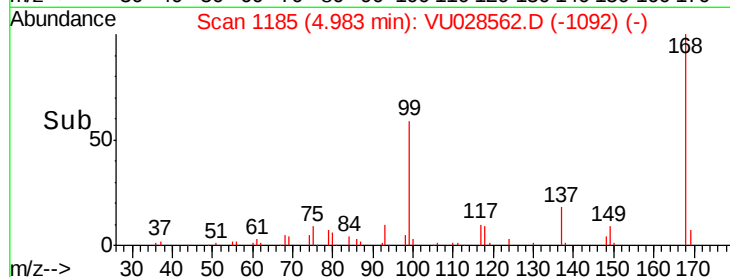
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

4.90 4.95 5.00 5.05

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.957 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

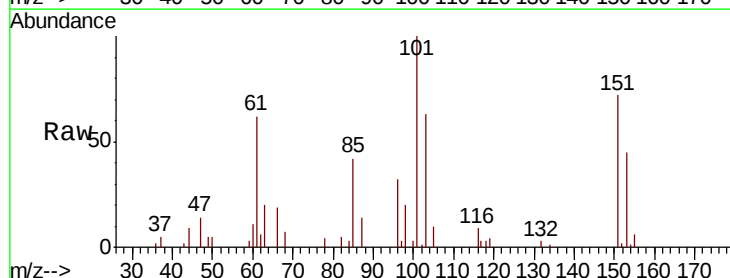
Tgt Ion:101 Resp: 16221

Ion Ratio Lower Upper

101 100

85 43.6 36.4 54.6

151 70.0 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

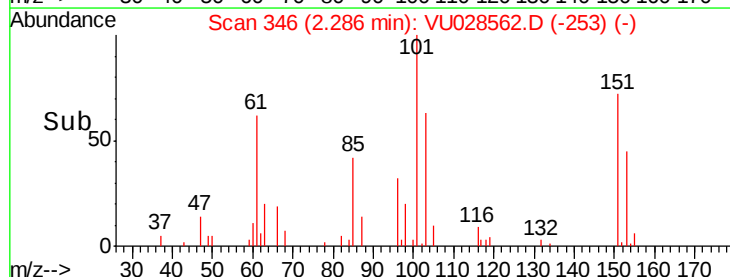
Ion 84.90 (84.60 to 85.60): VU0

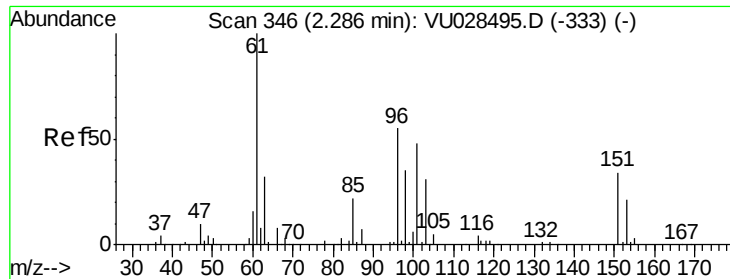
Ion 150.80 (150.50 to 151.50): V

2.29

2.25 2.30 2.35

Time-->





#12

1,1-Dichloroethene

Concen: 5.426 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

RE-125D2-20181204

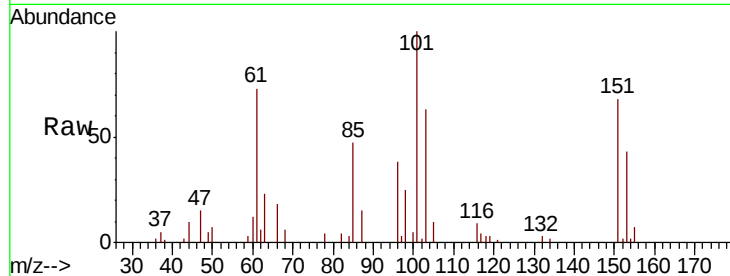
Tot Ion: 96 Resp: 4877

Ion Ratio Lower Upper

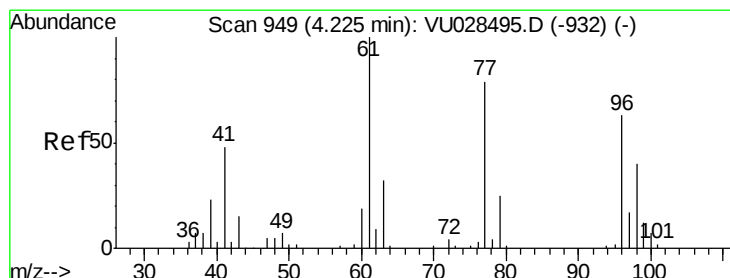
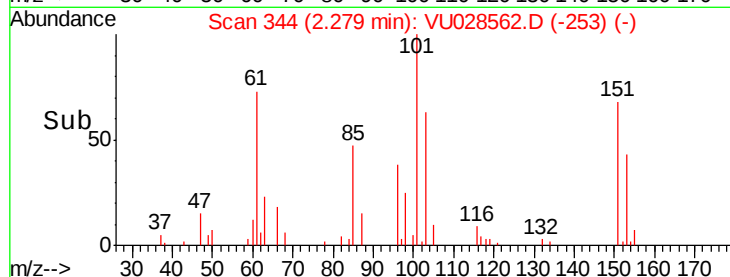
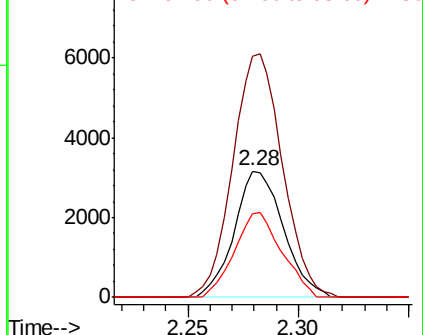
96 100

61 191.1 146.4 219.6

98 66.3 51.8 77.8



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



#27

cis-1,2-Dichloroethene

Concen: 4.257 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

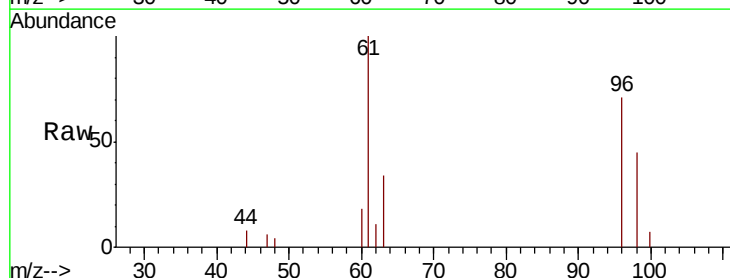
Tgt Ion: 96 Resp: 4876

Ion Ratio Lower Upper

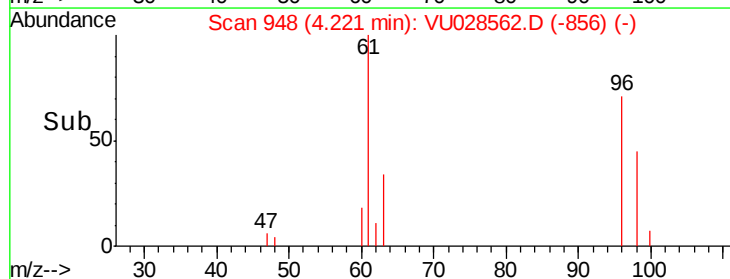
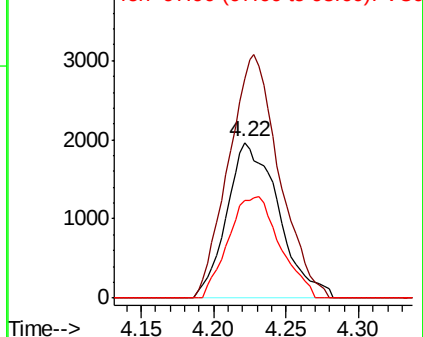
96 100

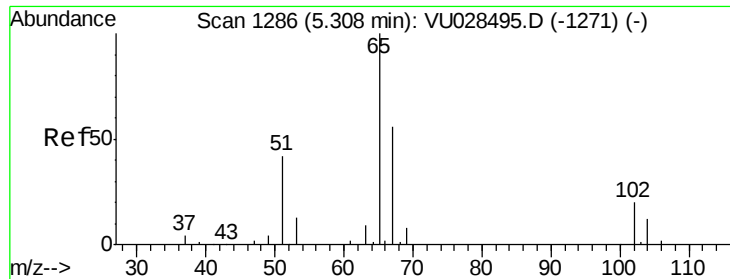
61 152.3 0.0 332.4

98 64.5 0.0 129.0



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

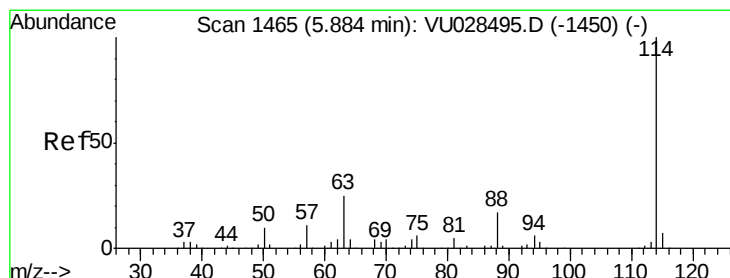
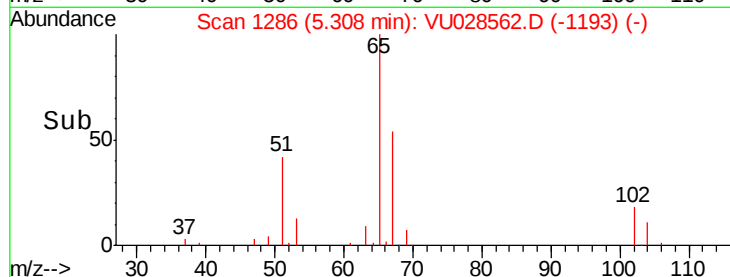
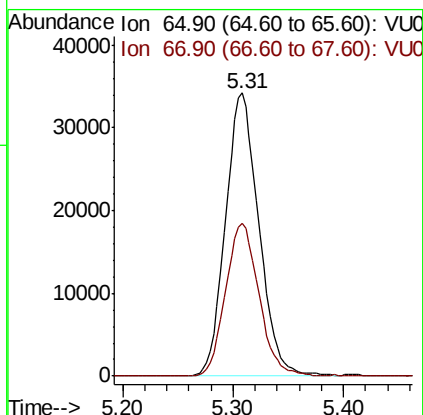
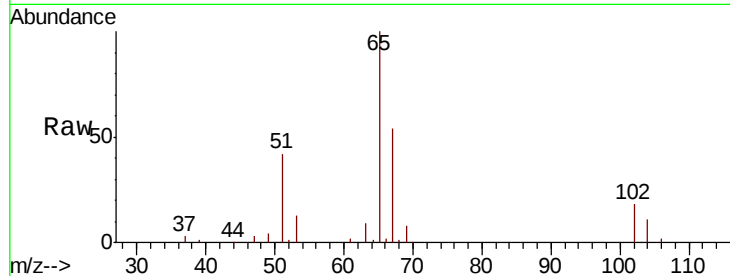




#33
 1,2-Dichloroethane-d4
 Concen: 58.159 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028562.D
 Acq: 10 Dec 2018 19:36

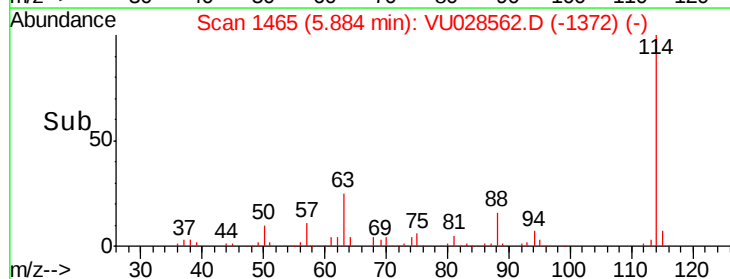
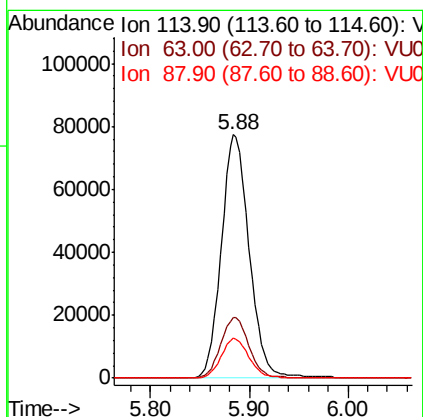
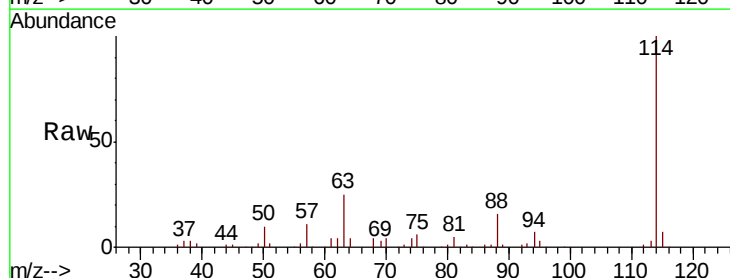
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-125D2-20181204

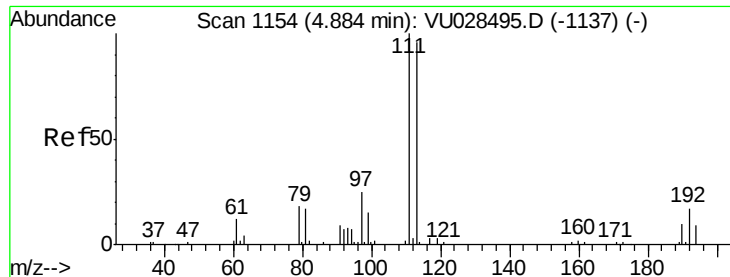
Tot Ion: 65 Resp: 71646
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028562.D
 Acq: 10 Dec 2018 19:36

Tgt Ion: 114 Resp: 153873
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.4 0.0 33.4

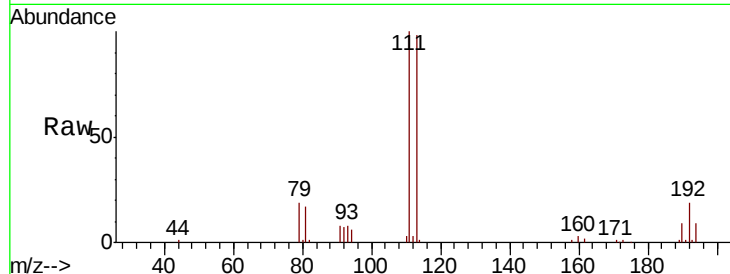




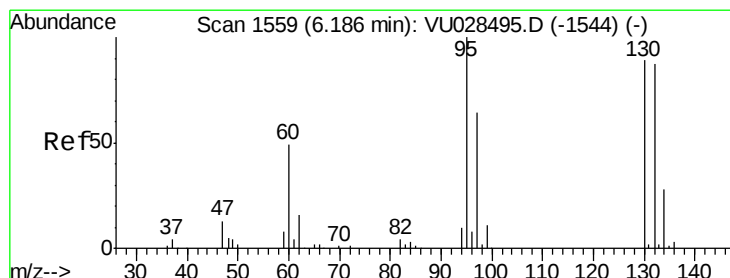
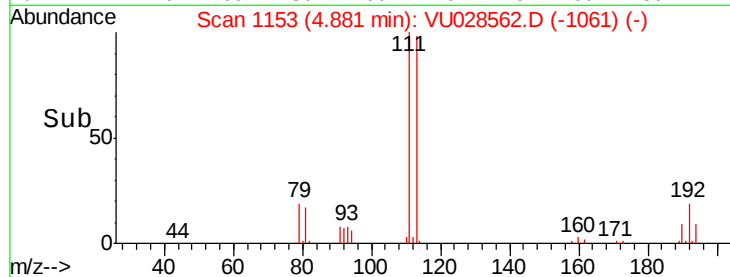
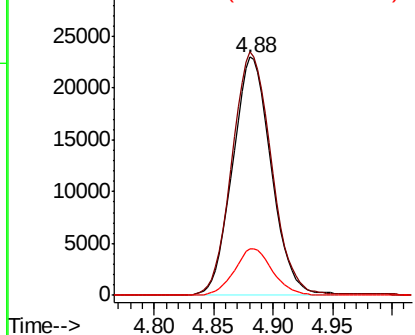
#35
Dibromofluoromethane
Concen: 53.405 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028562.D
Acq: 10 Dec 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
RE-125D2-20181204

Tot Ion:113 Resp: 51714
Ion Ratio Lower Upper
113 100
111 104.3 83.4 125.0
192 19.2 14.8 22.2

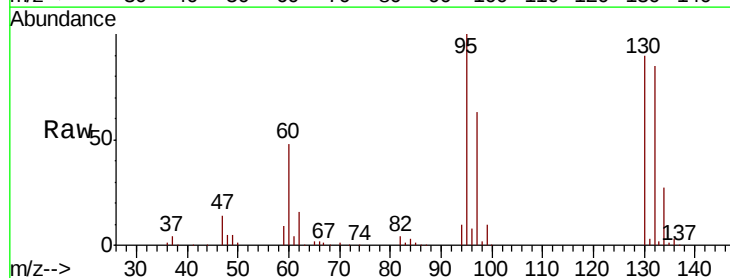


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

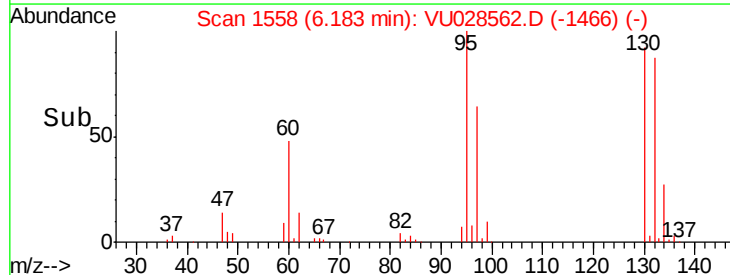
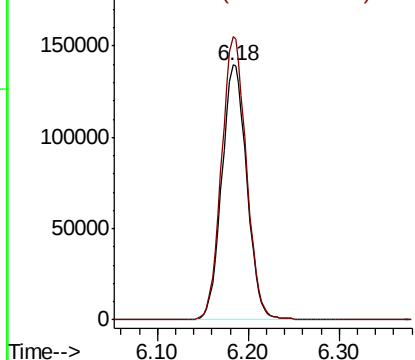


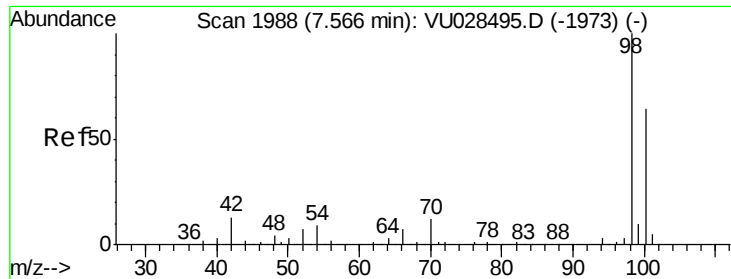
#44
Trichloroethene
Concen: 242.975 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028562.D
Acq: 10 Dec 2018 19:36

Tgt Ion:130 Resp: 267921
Ion Ratio Lower Upper
130 100
95 110.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 52.541 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

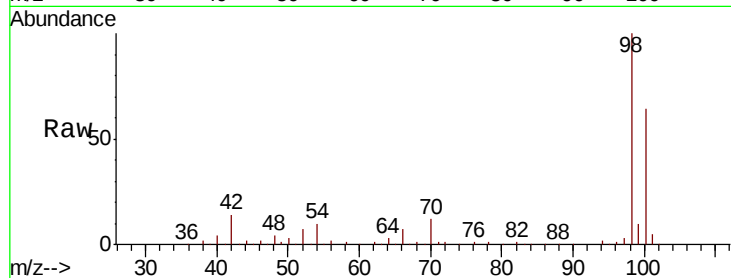
RE-125D2-20181204

Tot Ion: 98 Resp: 201263

Ion Ratio Lower Upper

98 100

100 63.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

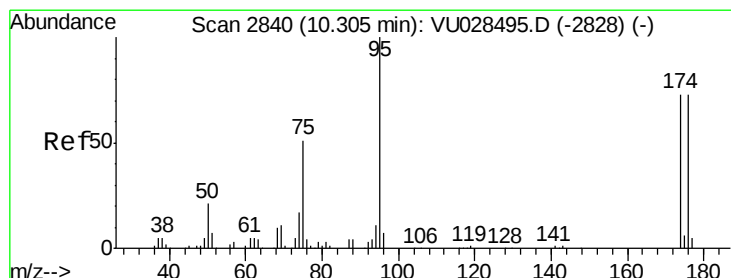
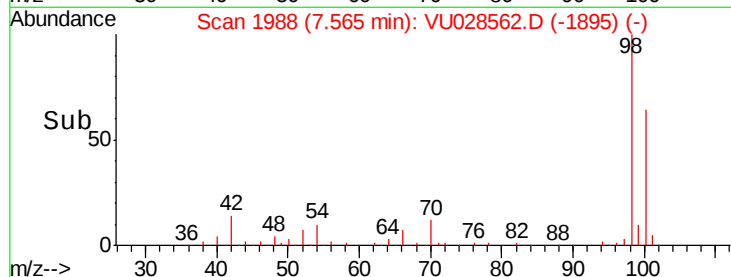
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.656 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

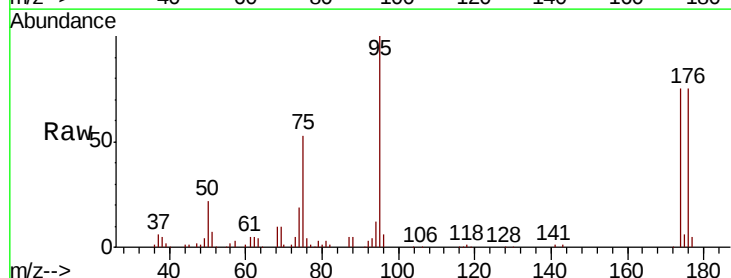
Tgt Ion: 95 Resp: 66798

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

176 73.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

10.31

50000

40000

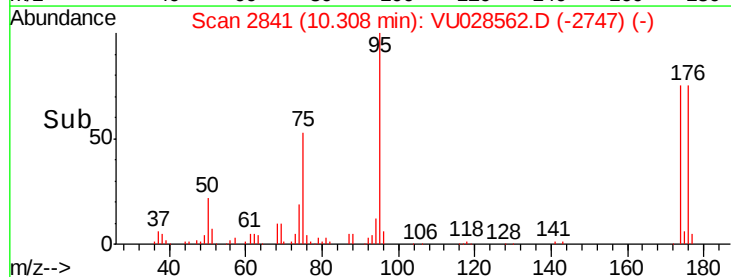
30000

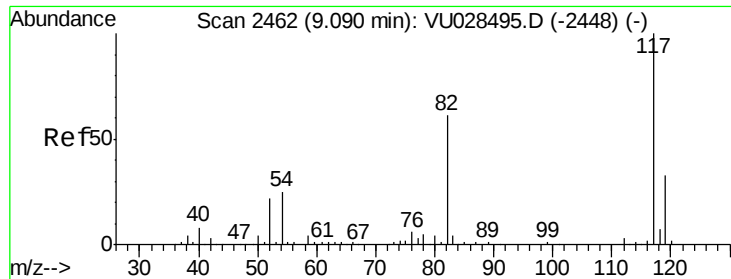
20000

10000

0

Time-->

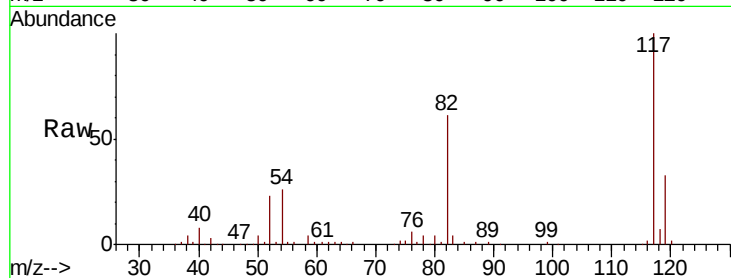




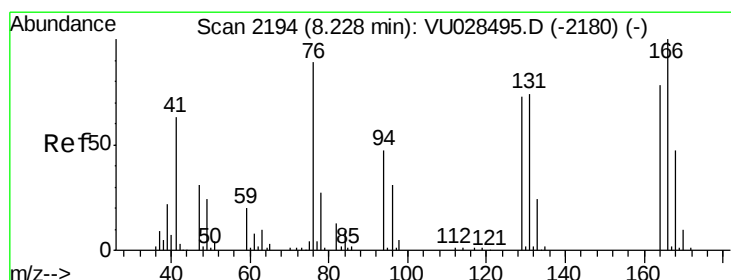
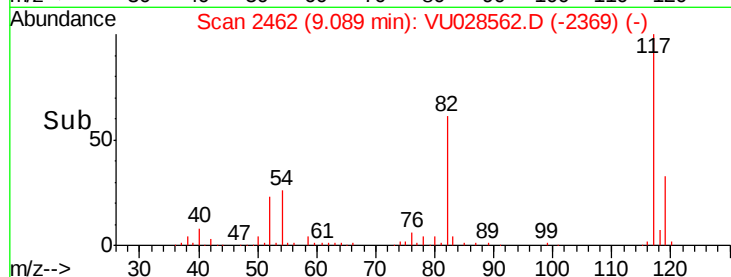
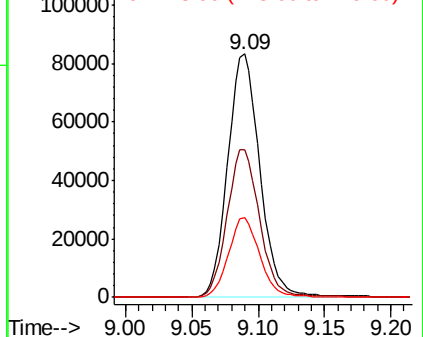
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028562.D
Acq: 10 Dec 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
RE-125D2-20181204

Tot Ion:117 Resp: 140398
Ion Ratio Lower Upper
117 100
82 60.7 48.9 73.3
119 32.6 26.2 39.4

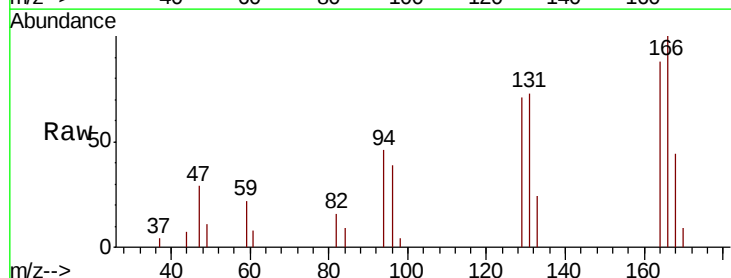


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028562.D (-2369) (-)
Ion 118.90 (118.60 to 119.60): V

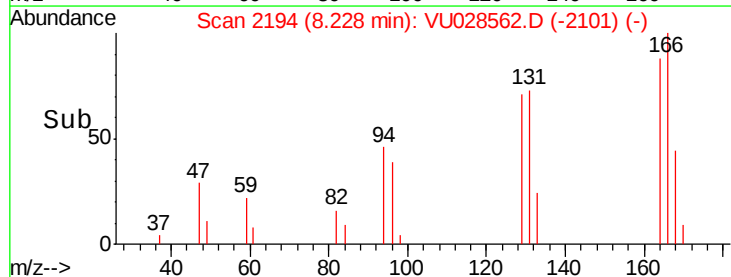
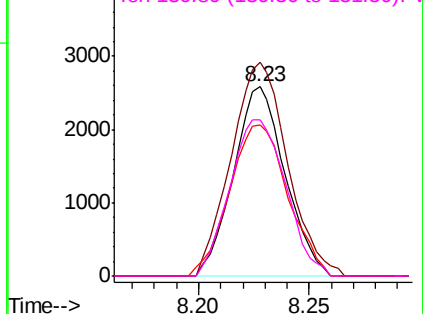


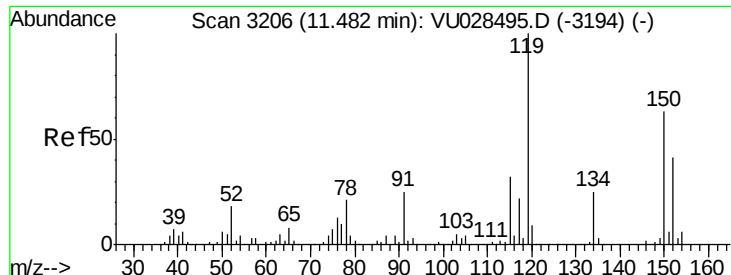
#64
Tetrachloroethene
Concen: 4.477 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028562.D
Acq: 10 Dec 2018 19:36

Tgt Ion:164 Resp: 4193
Ion Ratio Lower Upper
164 100
166 113.1 101.9 152.9
129 79.9 74.9 112.3
131 82.3 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU028562.D (-2101) (-)
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# 3206

Delta R.T. -0.00 min

Lab File: VU028562.D

Acq: 10 Dec 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

RE-125D2-20181204

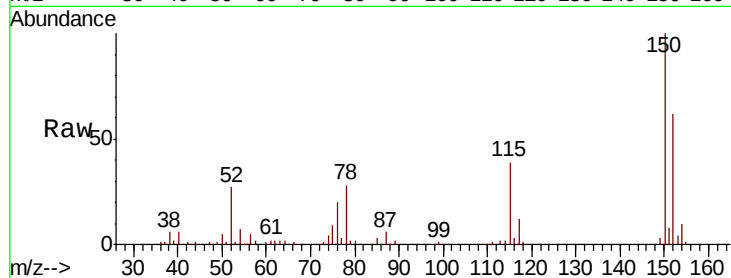
Tot Ion:152 Resp: 56202

Ion Ratio Lower Upper

152 100

115 61.0 42.7 128.1

150 157.5 0.0 346.0



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

