

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028553.D
 Acq On : 10 Dec 2018 16:00
 Operator : MD/SY
 Sample : J6323-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D2-20181206

Quant Time: Dec 11 04:03:21 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	93111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	177668	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78605	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	79783	56.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.30%	
35) Dibromofluoromethane	4.88	113	59185	52.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.86%	
50) Toluene-d8	7.57	98	227644	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	10.31	95	83394	50.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.90%	

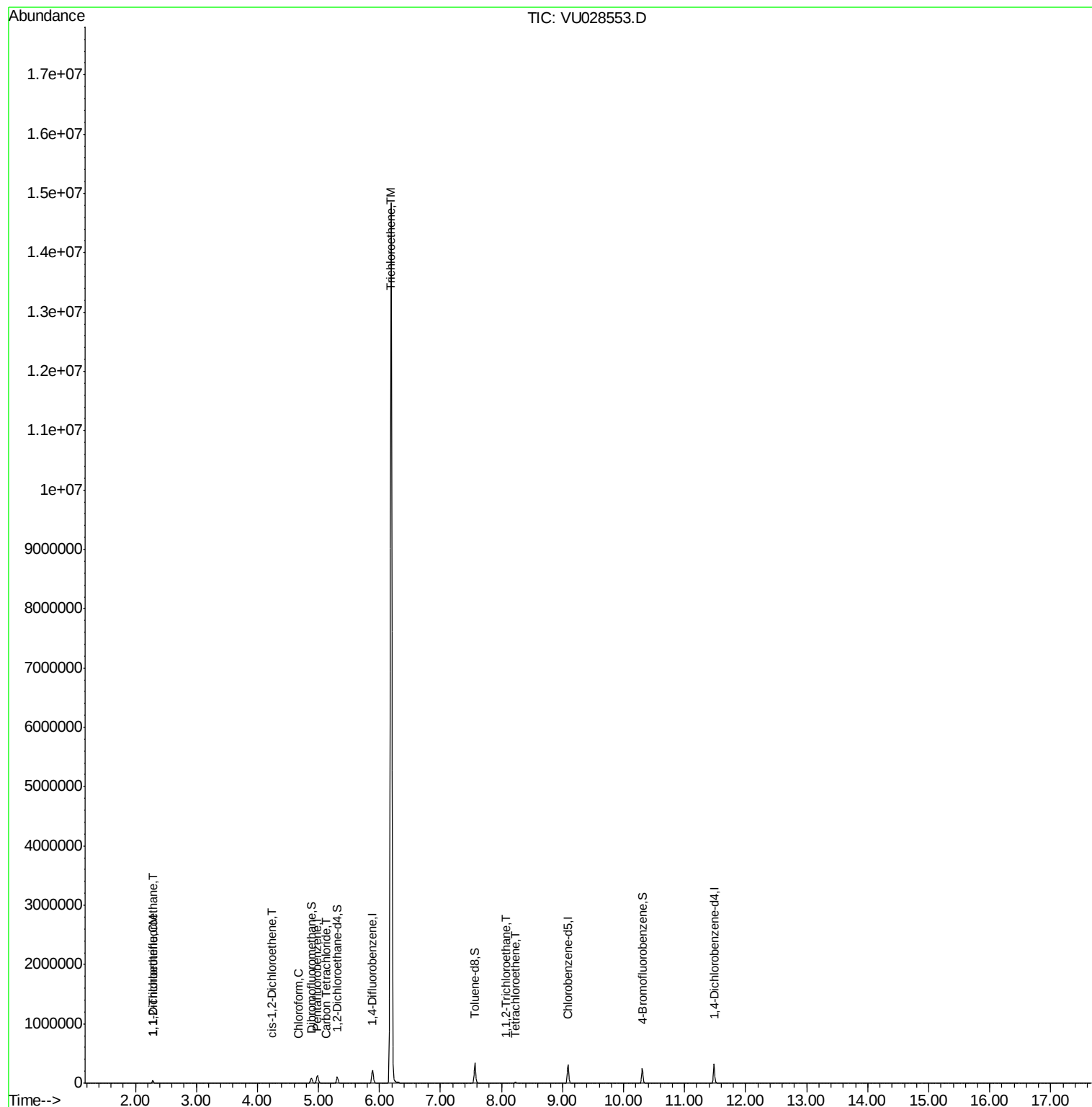
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.29	101	10749	10.317	ug/l	96
12) 1,1-Dichloroethene	2.29	96	4980	4.804	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	4581	3.468	ug/l	88
30) Chloroform	4.67	83	2955	1.358	ug/l	99
38) Carbon Tetrachloride	5.13	117	2288	1.460	ug/l #	83
44) Trichloroethene	6.19	130	4573217	3591.946	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	1699	1.275	ug/l	94
64) Tetrachloroethene	8.23	164	3485	3.146	ug/l	96

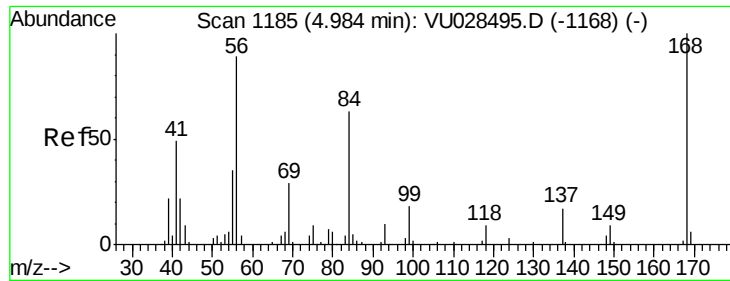
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
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: VU028553.D

Acq: 10 Dec 2018 16:00

Instrument :

MSVOA_U

ClientSampleId :

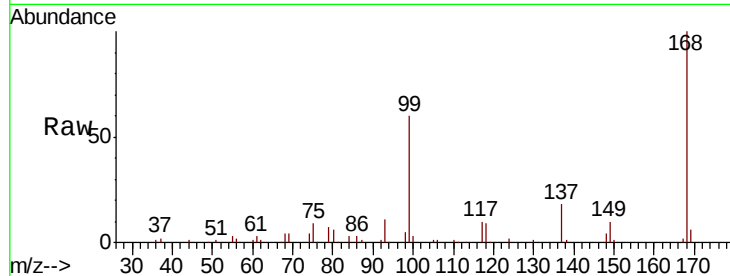
RE-122D2-20181206

Tot Ion:168 Resp: 93111

Ion Ratio Lower Upper

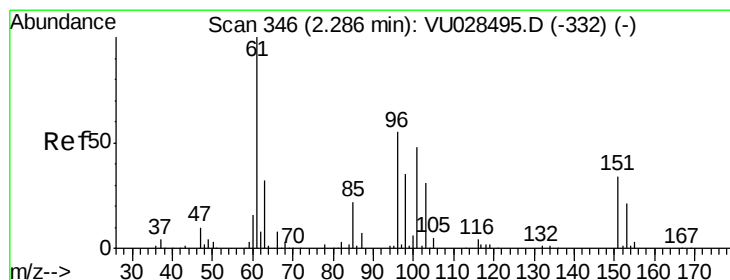
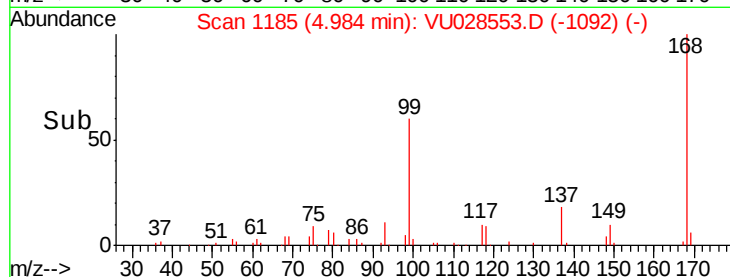
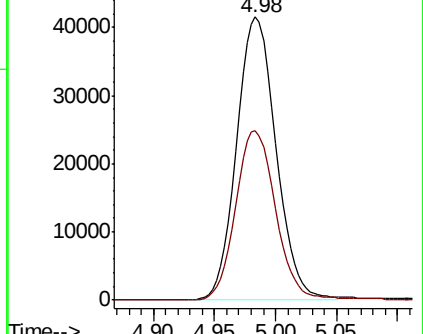
168 100

99 59.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.317 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

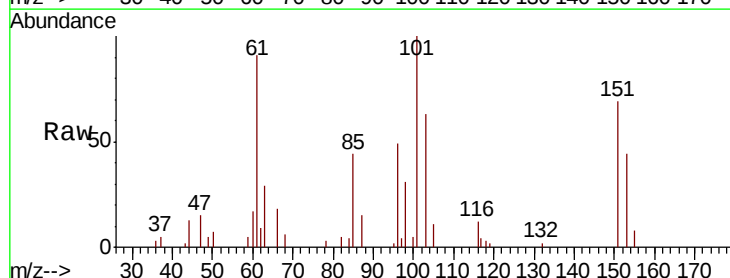
Tgt Ion:101 Resp: 10749

Ion Ratio Lower Upper

101 100

85 44.7 36.4 54.6

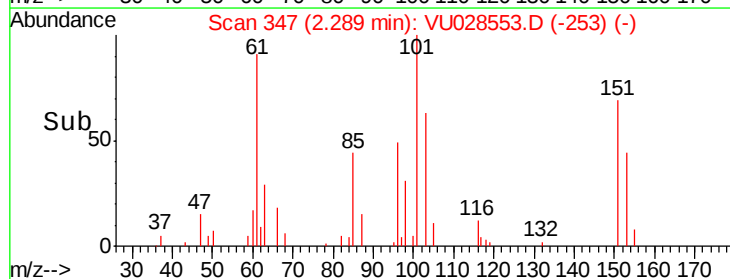
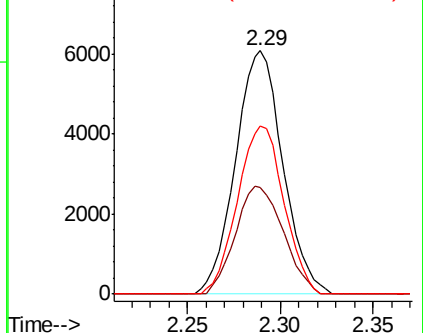
151 67.5 58.2 87.2

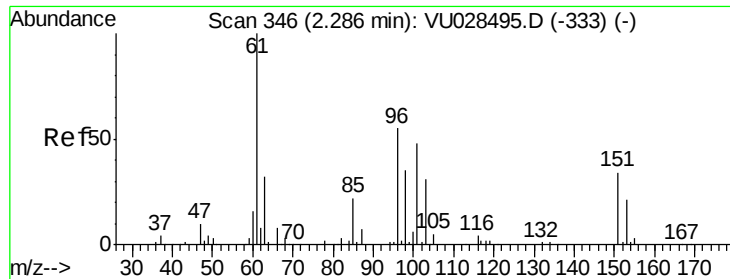


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V

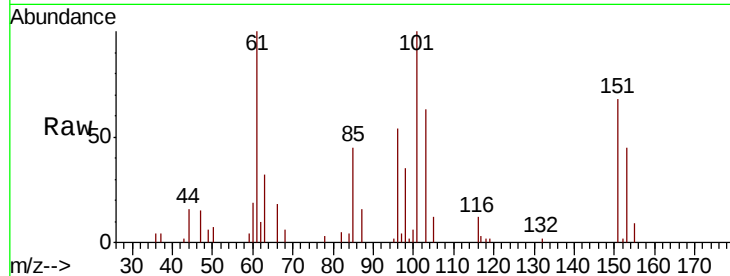




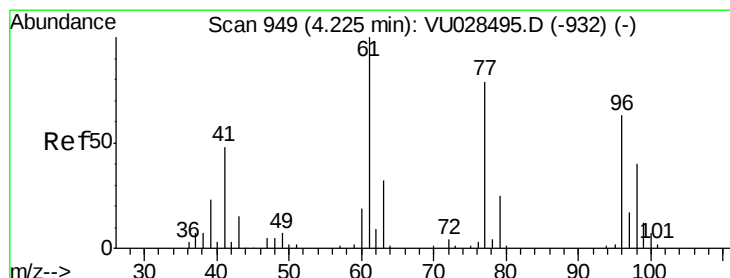
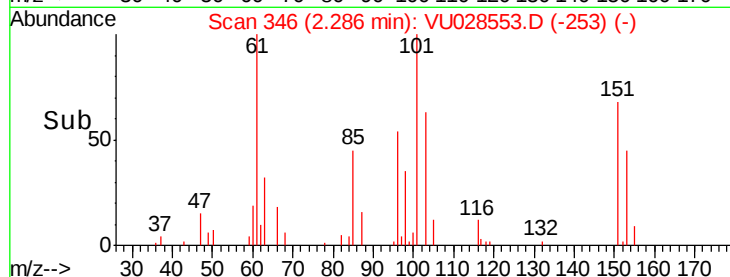
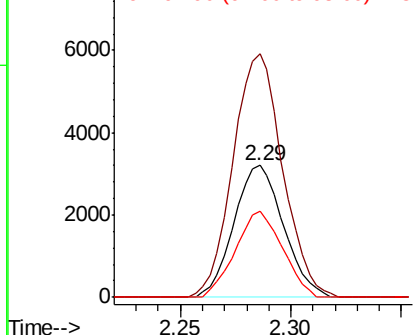
#12
 1,1-Dichloroethene
 Concen: 4.804 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028553.D
 Acq: 10 Dec 2018 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D2-20181206

Tot Ion: 96 Resp: 4980
 Ion Ratio Lower Upper
 96 100
 61 184.9 146.4 219.6
 98 65.0 51.8 77.8

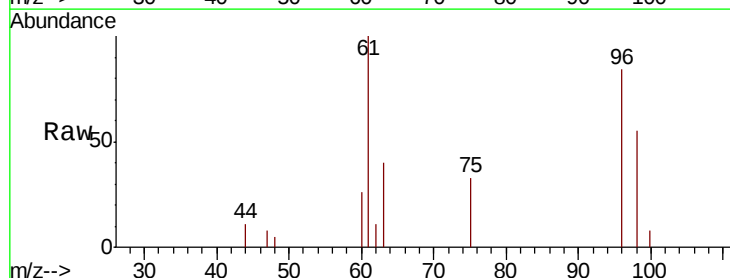


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

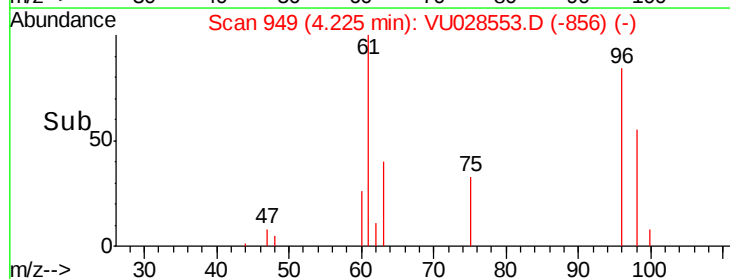
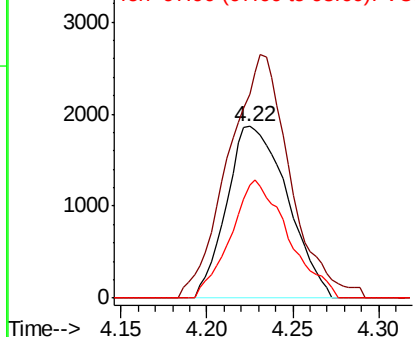


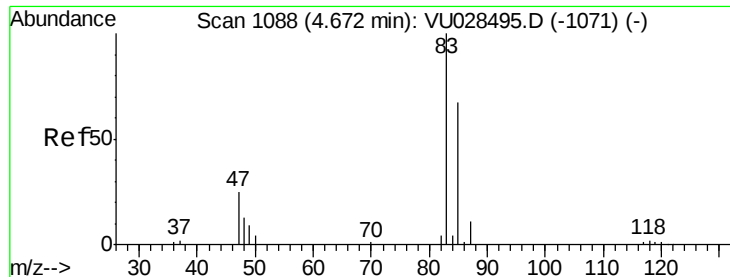
#27
 cis-1,2-Dichloroethene
 Concen: 3.468 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028553.D
 Acq: 10 Dec 2018 16:00

Tgt Ion: 96 Resp: 4581
 Ion Ratio Lower Upper
 96 100
 61 144.3 0.0 332.4
 98 65.2 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

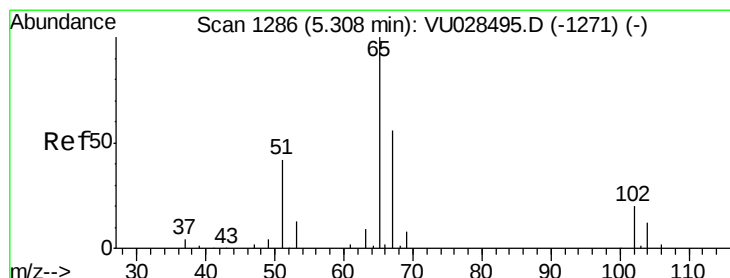
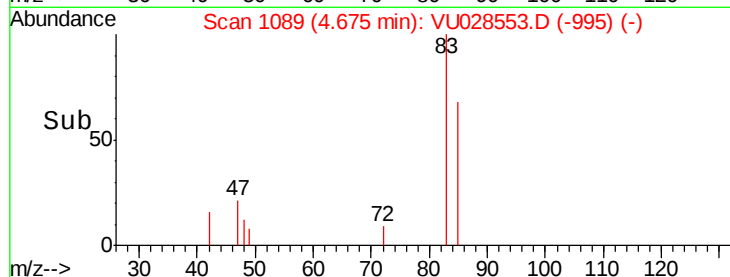
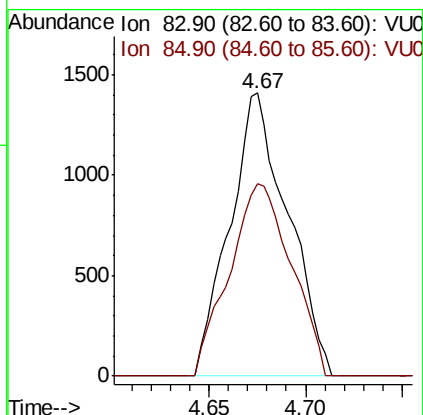
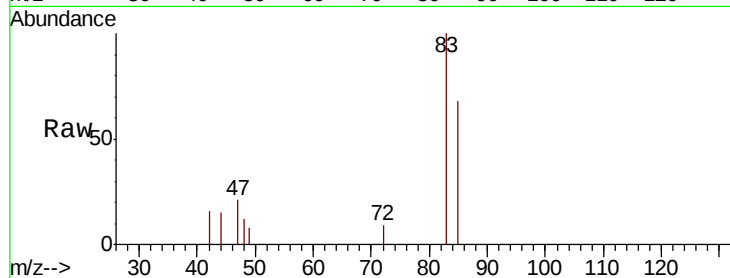




#30
Chloroform
Concen: 1.358 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

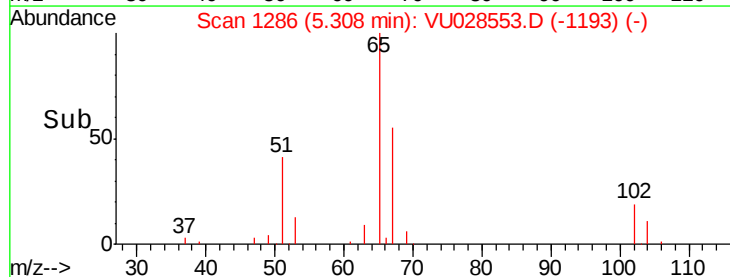
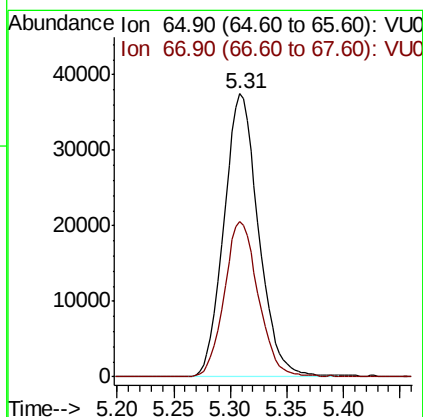
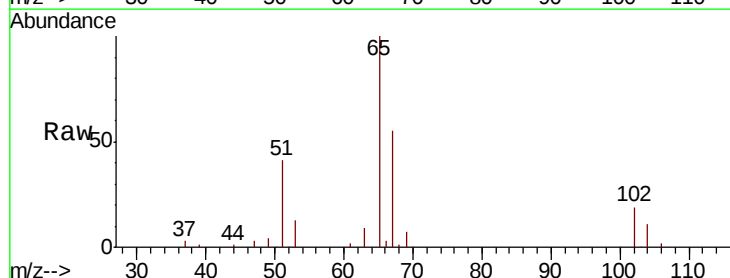
Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

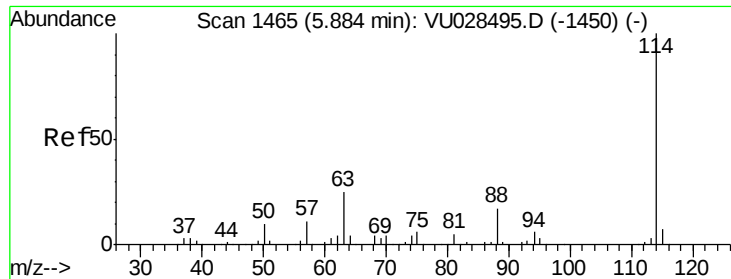
Tot Ion: 83 Resp: 2955
Ion Ratio Lower Upper
83 100
85 68.0 53.6 80.4



#33
1,2-Dichloroethane-d4
Concen: 56.148 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion: 65 Resp: 79783
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.6

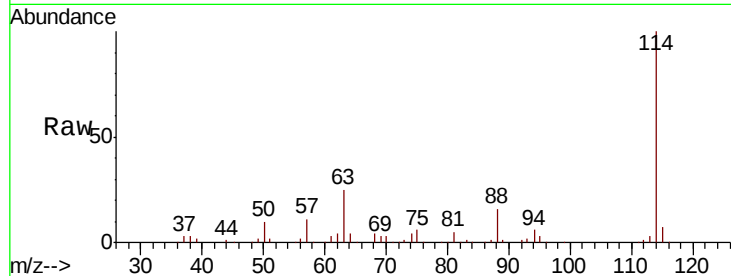




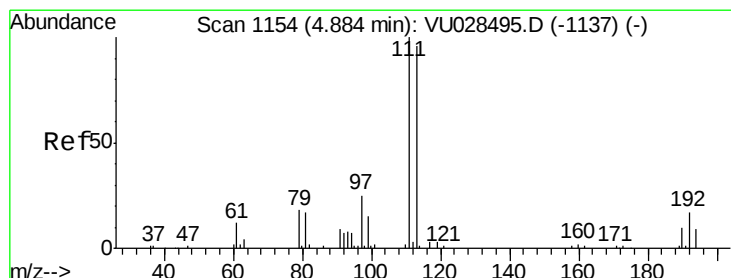
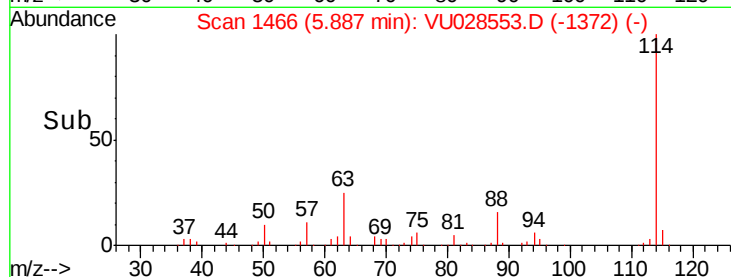
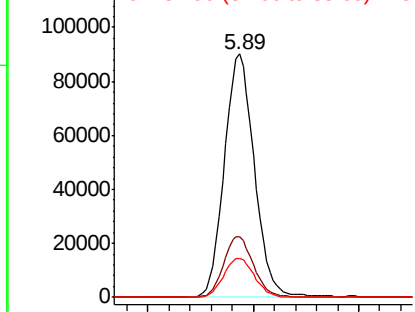
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028553.D
 Acq: 10 Dec 2018 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D2-20181206

Tot Ion:114 Resp: 177668
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.0 0.0 33.4

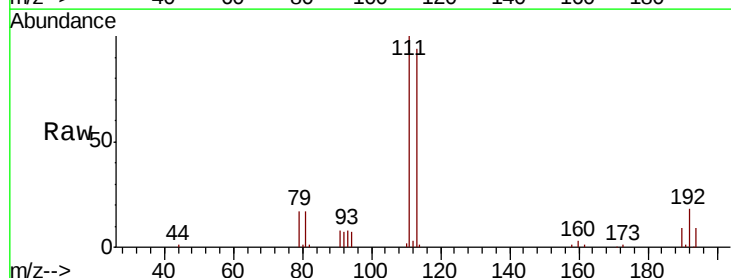


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

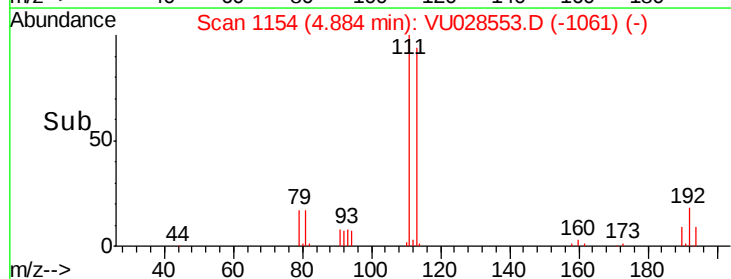
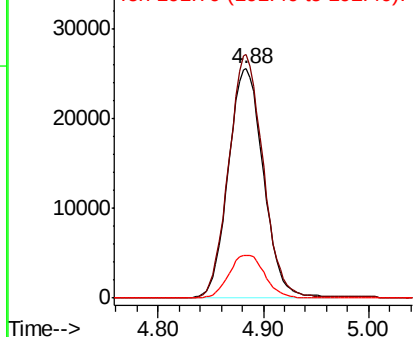


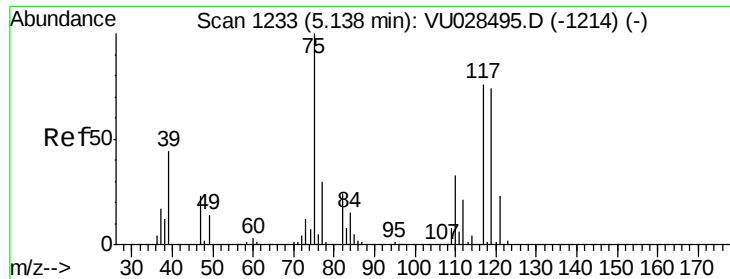
#35
 Dibromofluoromethane
 Concen: 52.935 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028553.D
 Acq: 10 Dec 2018 16:00

Tgt Ion:113 Resp: 59185
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.4 125.0
 192 19.0 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

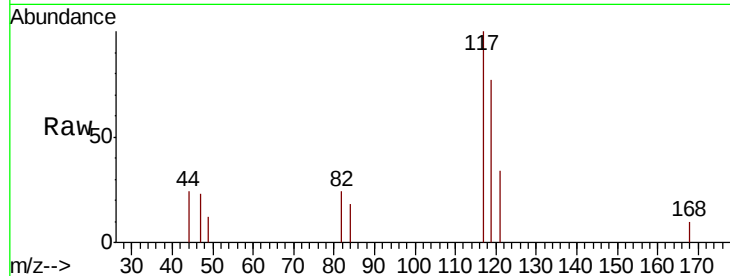




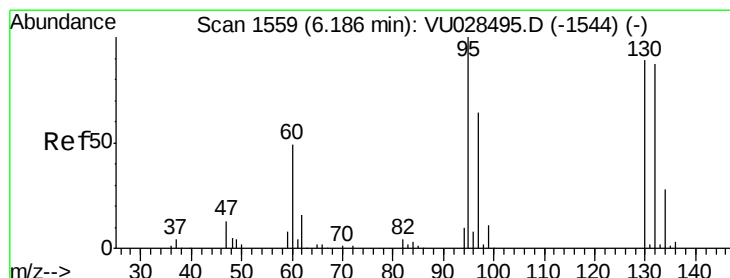
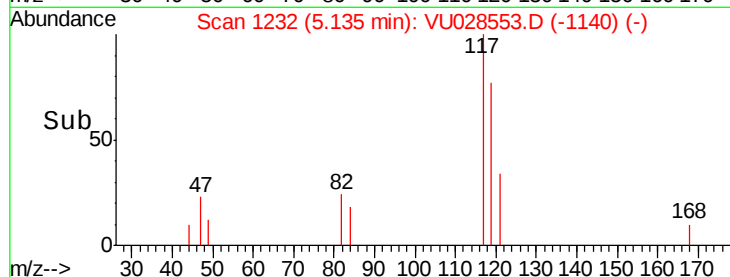
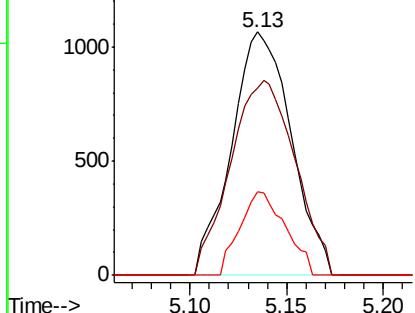
#38
Carbon Tetrachloride
Concen: 1.460 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206

Tot Ion:117 Resp: 2288
Ion Ratio Lower Upper
117 100
119 76.8 77.6 116.4#
121 34.3 24.6 36.8

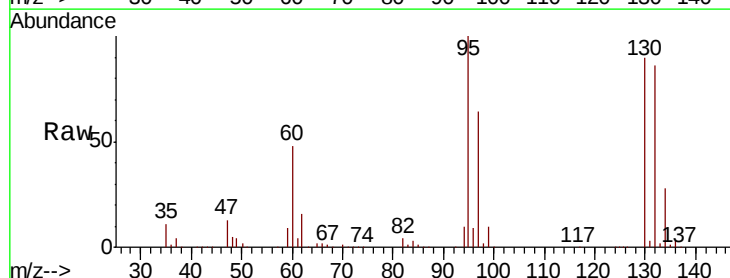


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

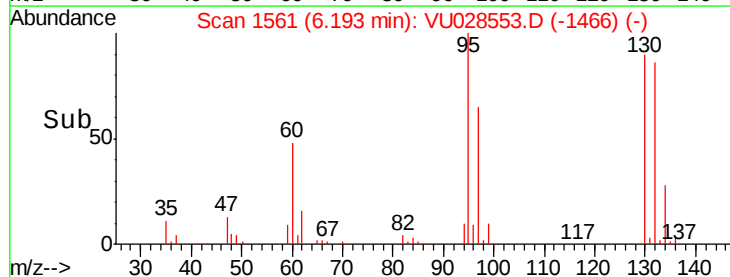
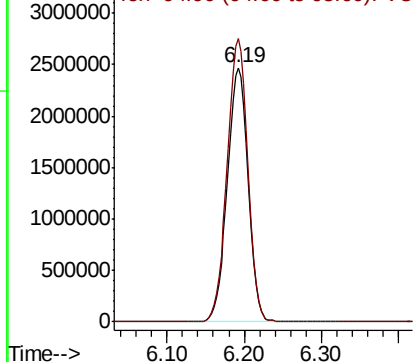


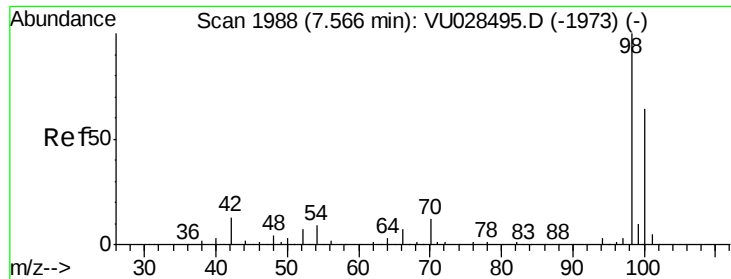
#44
Trichloroethene
Concen: 3591.946 ug/l
RT: 6.19 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VU028553.D
Acq: 10 Dec 2018 16:00

Tgt Ion:130 Resp: 4573217
Ion Ratio Lower Upper
130 100
95 111.2 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: 51.469 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

Instrument :

MSVOA_U

ClientSampleId :

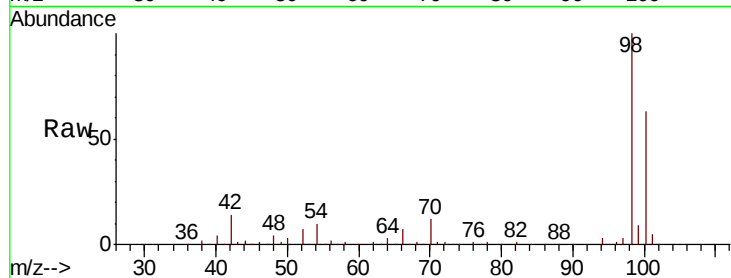
RE-122D2-20181206

Tot Ion: 98 Resp: 227644

Ion Ratio Lower Upper

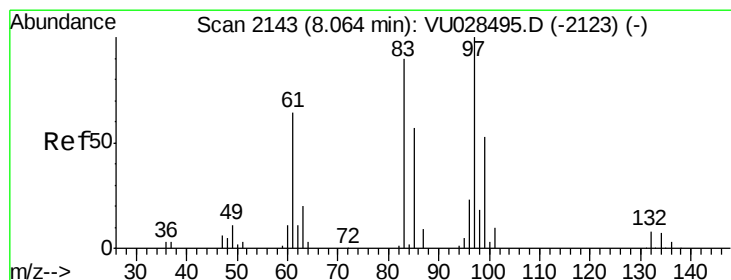
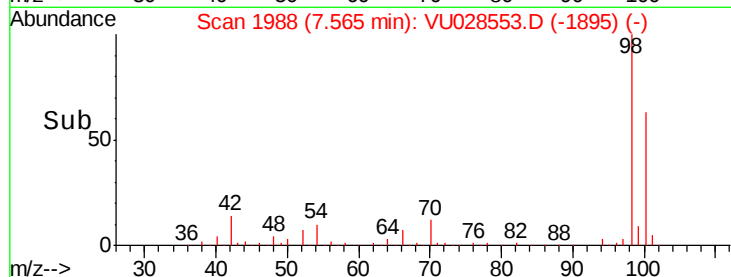
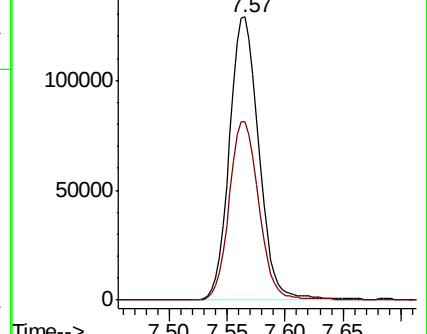
98 100

100 63.9 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) (-)



#55

1,1,2-Trichloroethane

Concen: 1.275 ug/l

RT: 8.07 min Scan# 2146

Delta R.T. 0.01 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

Tgt Ion: 97 Resp: 1699

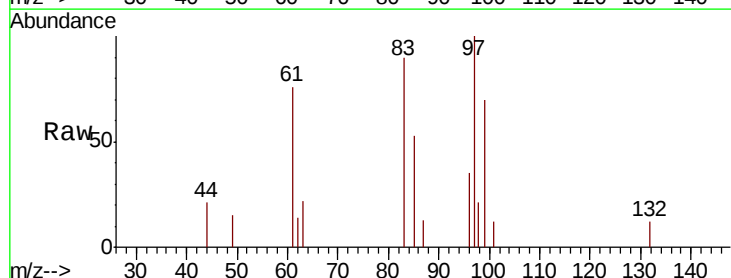
Ion Ratio Lower Upper

97 100

83 90.4 72.4 108.6

85 53.2 46.0 69.0

99 69.7 47.4 71.2

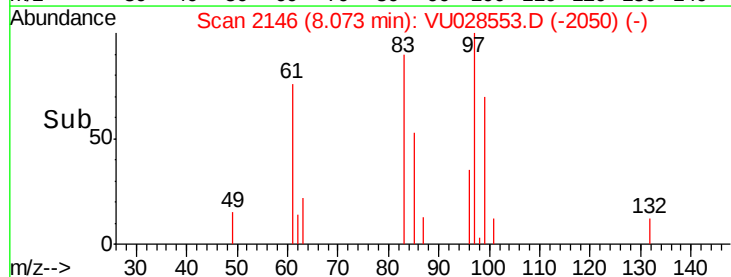
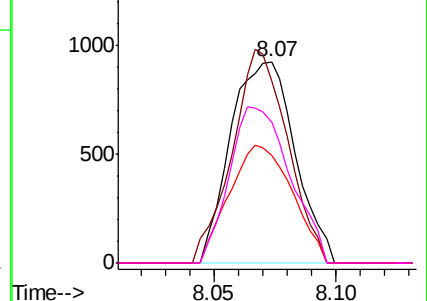


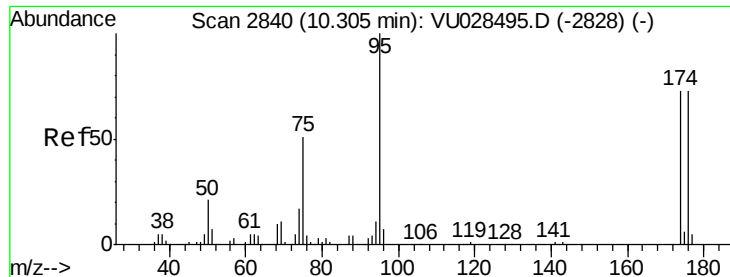
Abundance Ion 96.90 (96.60 to 97.60): VU028495.D (-2123) (-)

Ion 82.90 (82.60 to 83.60): VU028495.D (-2123) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2123) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-2123) (-)





#62

4-Bromofluorobenzene

Concen: 50.446 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

Instrument :

MSVOA_U

ClientSampleId :

RE-122D2-20181206

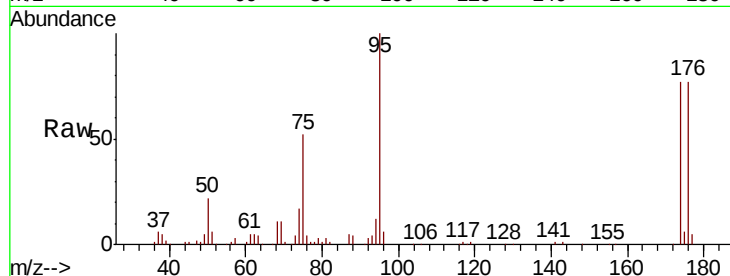
Tot Ion: 95 Resp: 83394

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

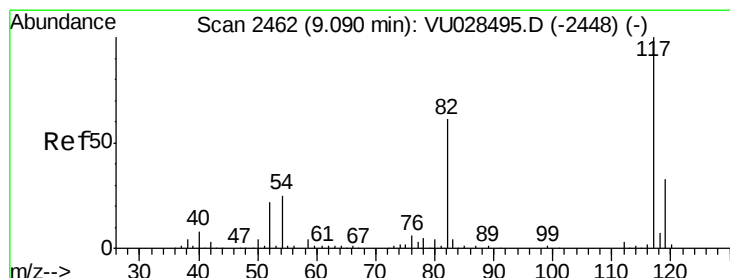
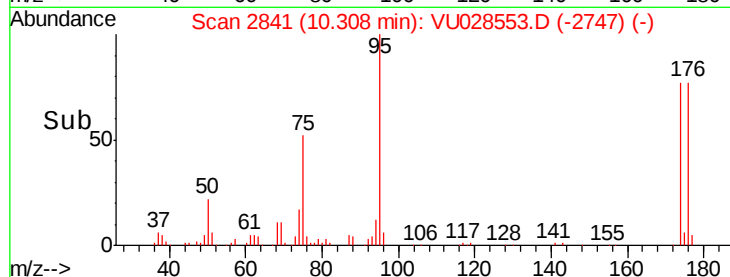
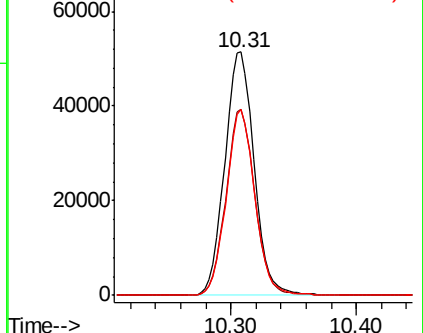
176 74.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

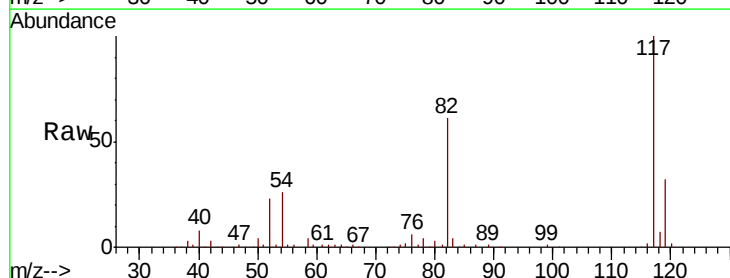
Tgt Ion: 117 Resp: 166070

Ion Ratio Lower Upper

117 100

82 60.9 48.9 73.3

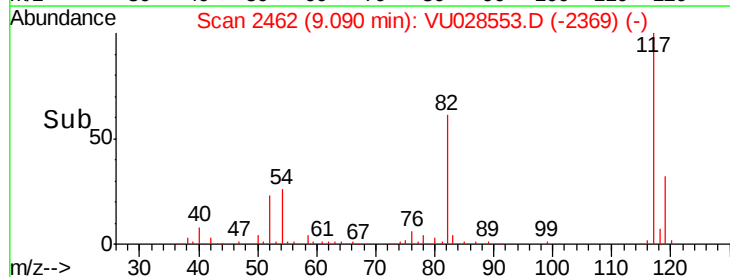
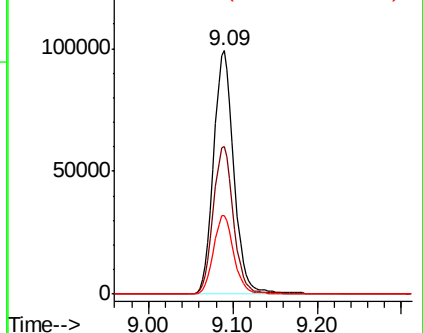
119 32.4 26.2 39.4

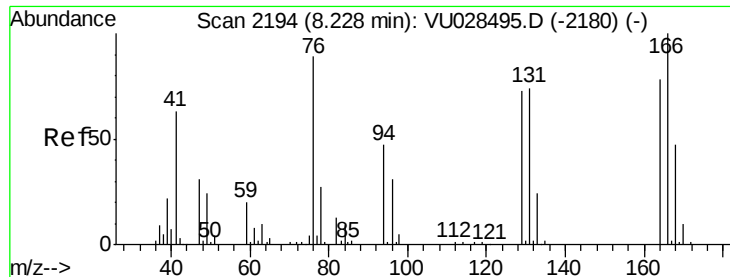


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 3.146 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

Instrument :

MSVOA_U

ClientSampleId :

RE-122D2-20181206

Tot Ion:164 Resp: 3485

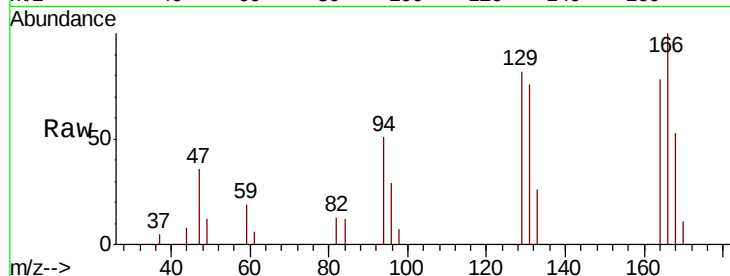
Ion Ratio Lower Upper

164 100

166 127.5 101.9 152.9

129 103.9 74.9 112.3

131 96.7 75.4 113.0

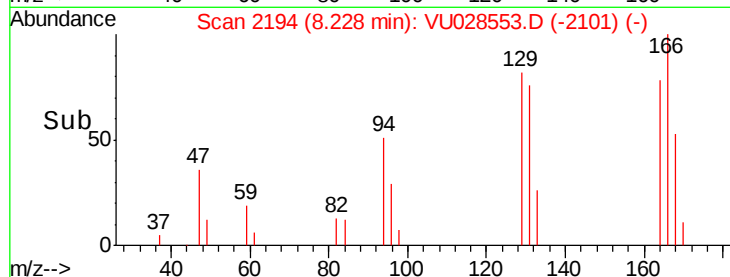


Abundance Ion 163.80 (163.50 to 164.50): V

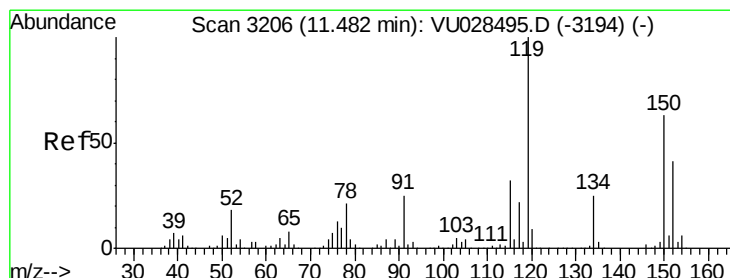
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028553.D

Acq: 10 Dec 2018 16:00

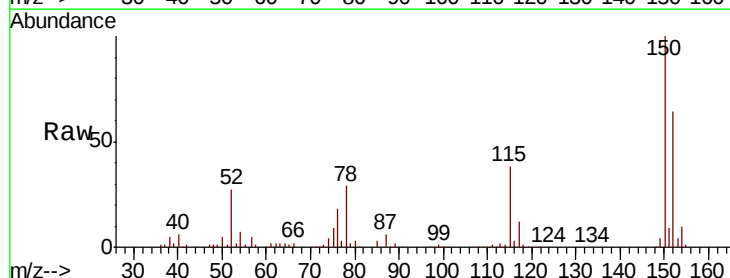
Tgt Ion:152 Resp: 78605

Ion Ratio Lower Upper

152 100

115 60.1 42.7 128.1

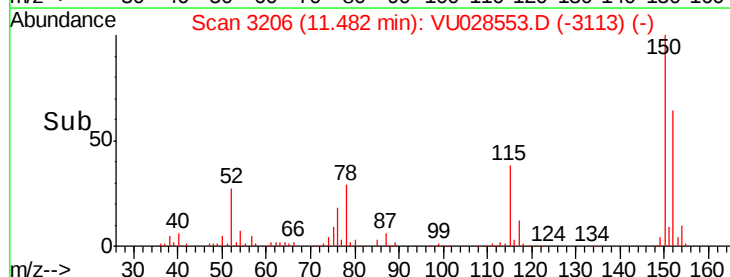
150 157.2 0.0 346.0



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



Time-->