

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028648.D
 Acq On : 12 Dec 2018 13:33
 Operator : MD/SY
 Sample : J6351-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS027-181210

Quant Time: Dec 13 03:03:22 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

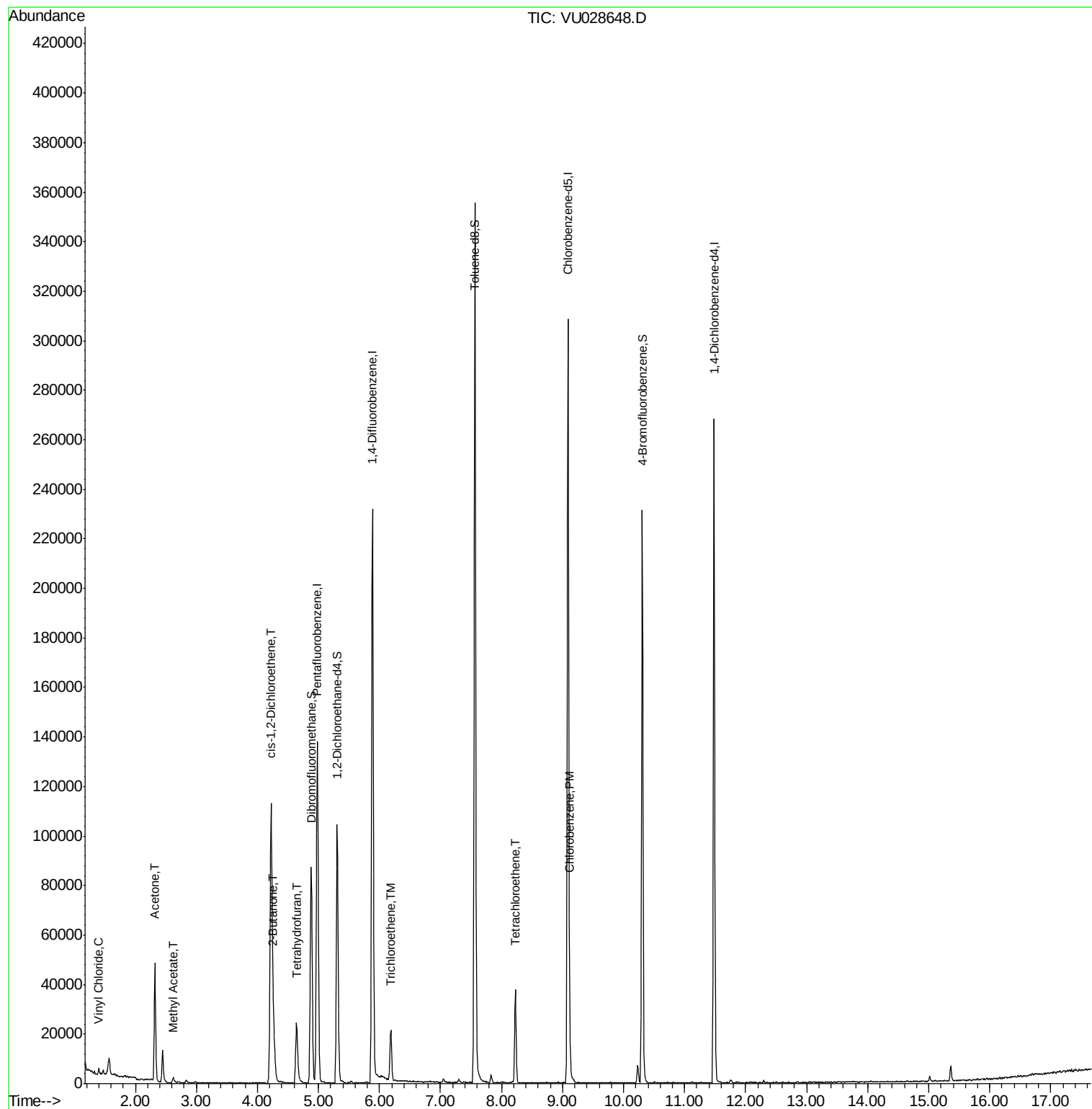
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	103289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	188013	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	164726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66509	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	80761	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
35) Dibromofluoromethane	4.88	113	61087	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	7.57	98	239265	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	10.30	95	79324	45.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.68%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	1577	0.859	ug/l	94
16) Acetone	2.32	43	48231	46.891	ug/l	95
18) Methyl Acetate	2.62	43	3213	1.205	ug/l	93
25) 2-Butanone	4.27	43	38738	27.559	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	59435	40.555	ug/l	88
29) Tetrahydrofuran	4.64	42	19960	22.110	ug/l	98
44) Trichloroethene	6.19	130	7121	5.285	ug/l	83
64) Tetrachloroethene	8.22	164	8424	7.667	ug/l	95
65) Chlorobenzene	9.12	112	6591	1.878	ug/l	100

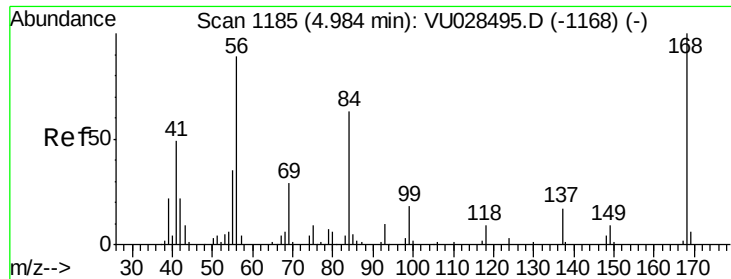
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

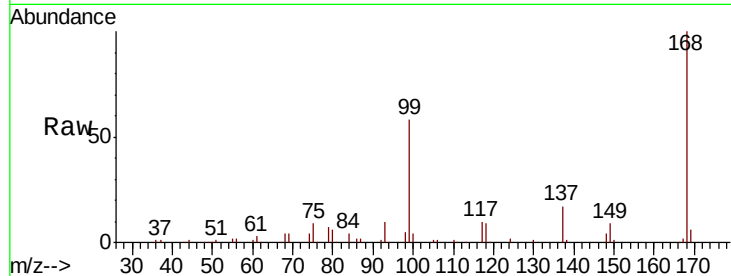
KY038PS027-181210

Tot Ion:168 Resp: 103289

Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

50000

40000

30000

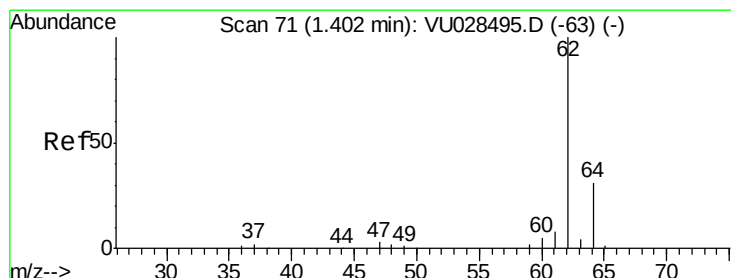
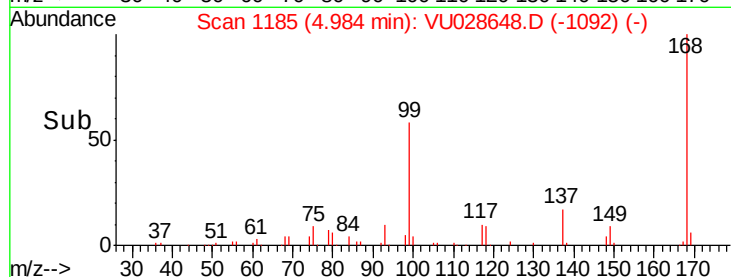
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 0.859 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028648.D

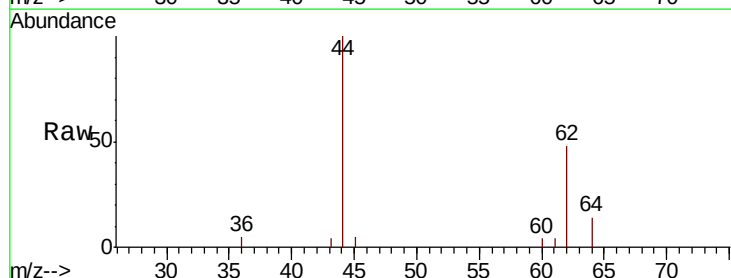
Acq: 12 Dec 2018 13:33

Tgt Ion: 62 Resp: 1577

Ion Ratio Lower Upper

62 100

64 28.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU028495.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU028495.D (-63) (-)

1.40

2000

1500

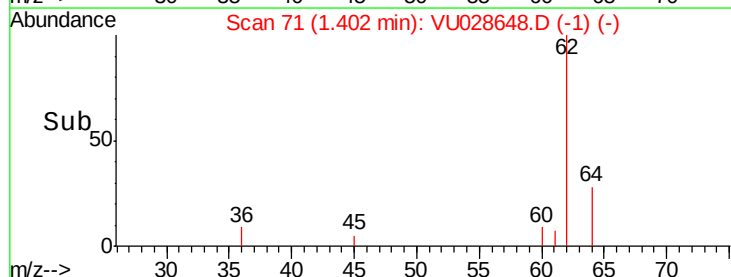
1000

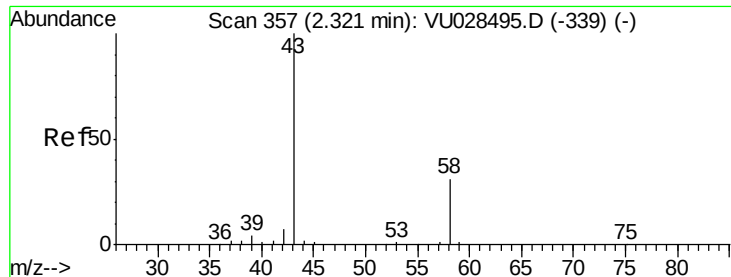
500

0

1.38 1.40 1.42

Time-->





#16

Acetone

Concen: 46.891 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

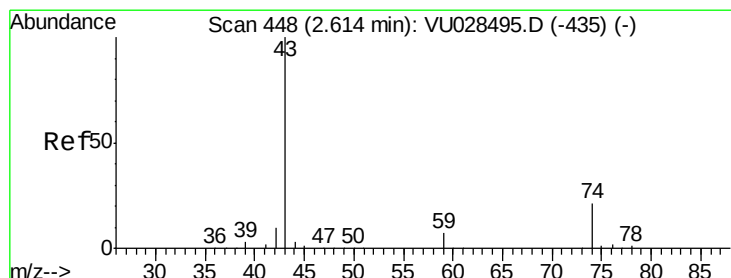
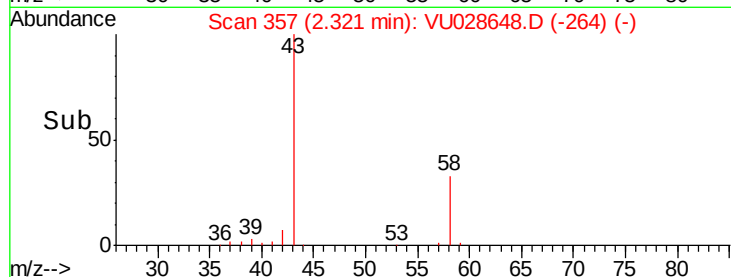
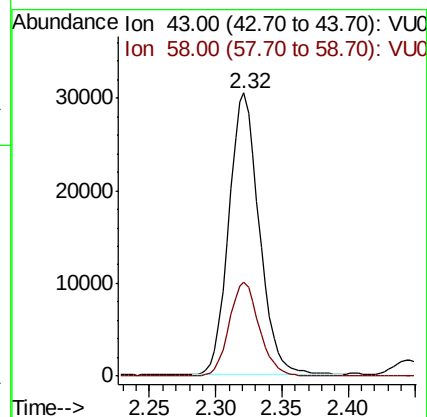
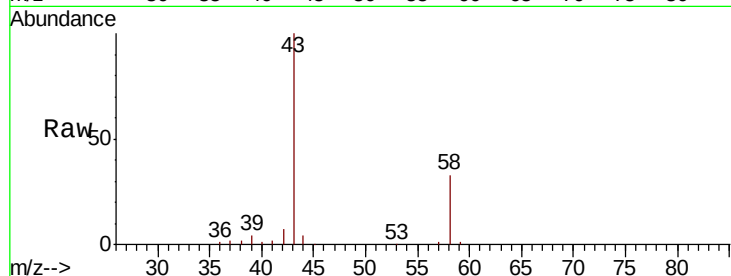
KY038PS027-181210

Tot Ion: 43 Resp: 48231

Ion Ratio Lower Upper

43 100

58 33.5 24.6 37.0



#18

Methyl Acetate

Concen: 1.205 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028648.D

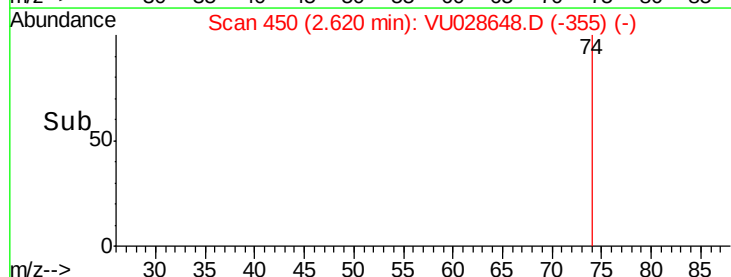
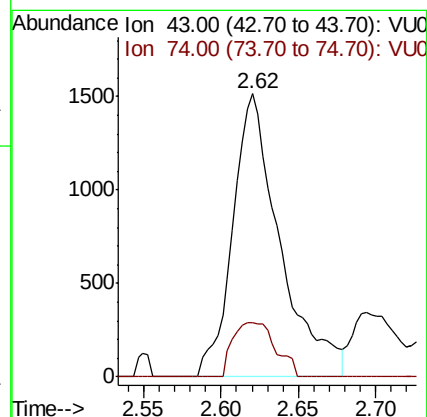
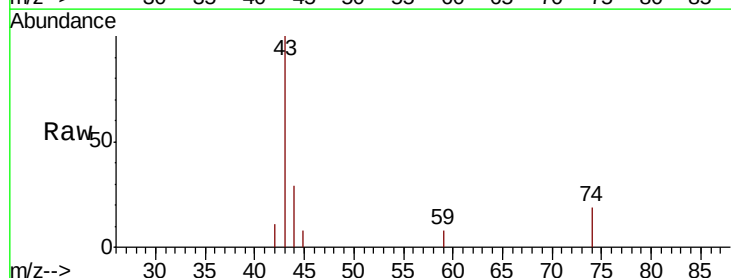
Acq: 12 Dec 2018 13:33

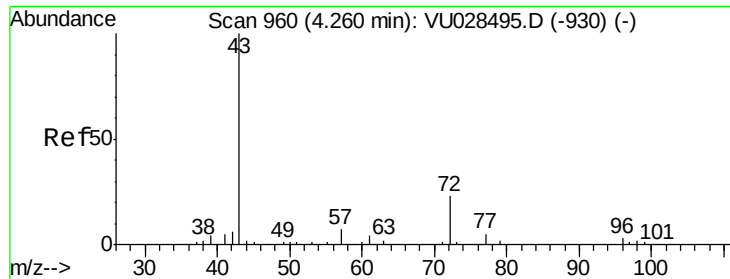
Tgt Ion: 43 Resp: 3213

Ion Ratio Lower Upper

43 100

74 17.3 16.4 24.6





#25

2-Butanone

Concen: 27.559 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

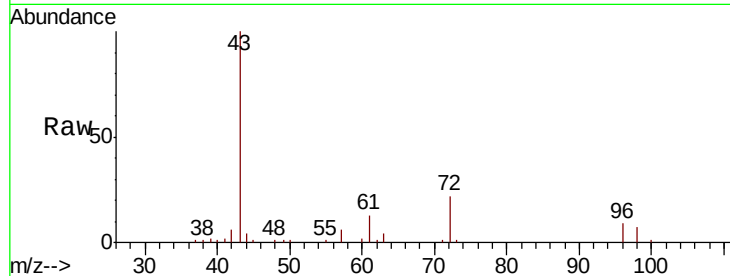
KY038PS027-181210

Tot Ion: 43 Resp: 38738

Ion Ratio Lower Upper

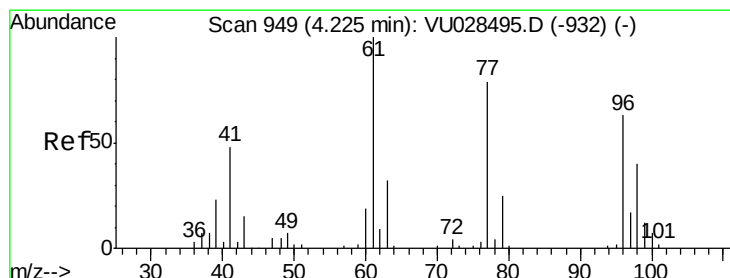
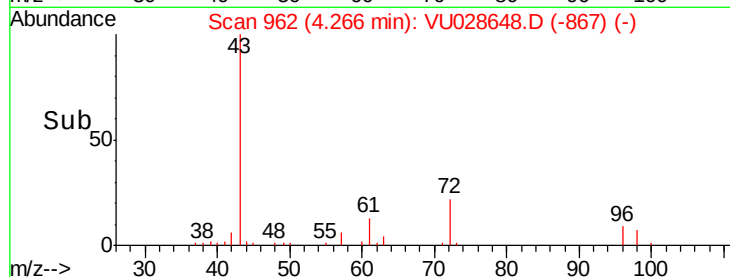
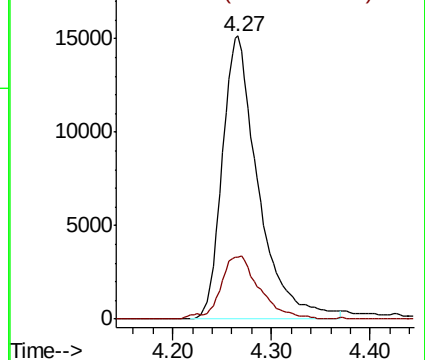
43 100

72 21.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 40.555 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

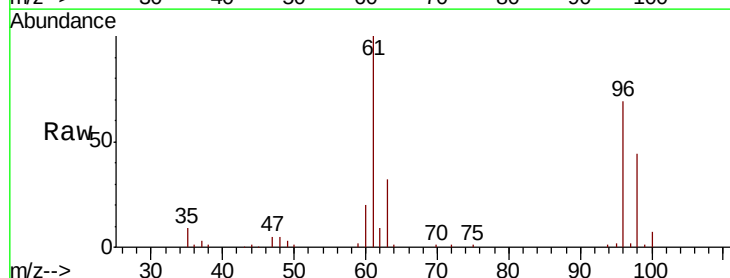
Tgt Ion: 96 Resp: 59435

Ion Ratio Lower Upper

96 100

61 144.5 0.0 332.4

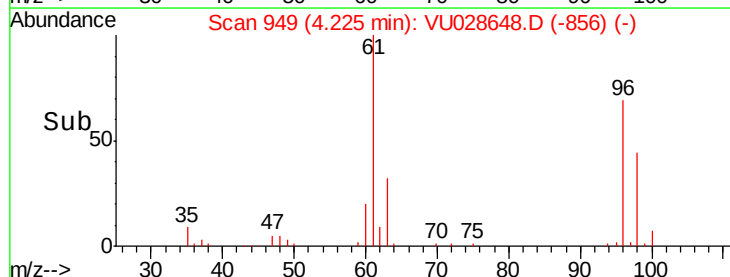
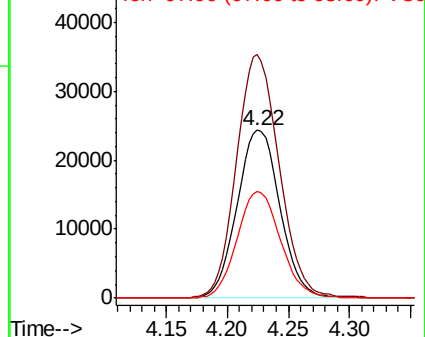
98 64.4 0.0 129.0

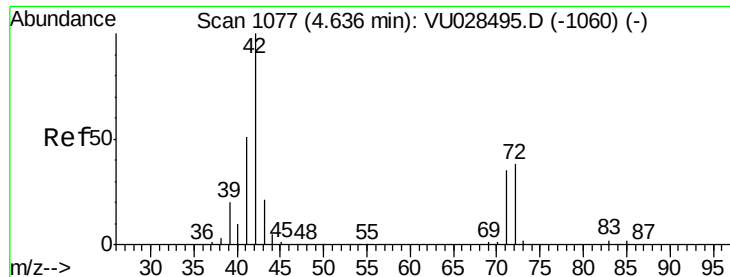


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#29

Tetrahydrofuran

Concen: 22.110 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

KY038PS027-181210

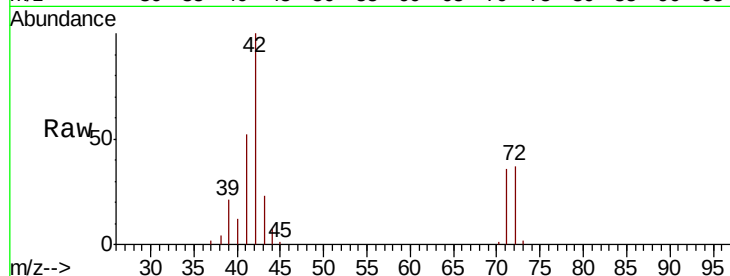
Tot Ion: 42 Resp: 19960

Ion Ratio Lower Upper

42 100

72 38.0 31.4 47.0

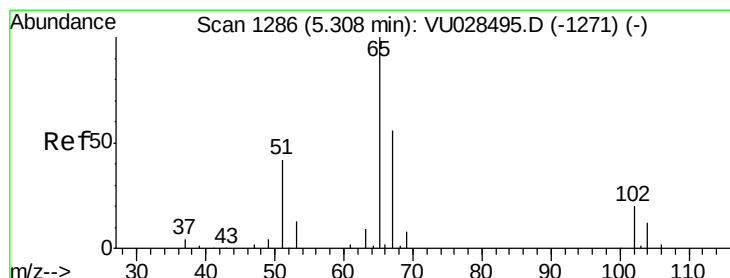
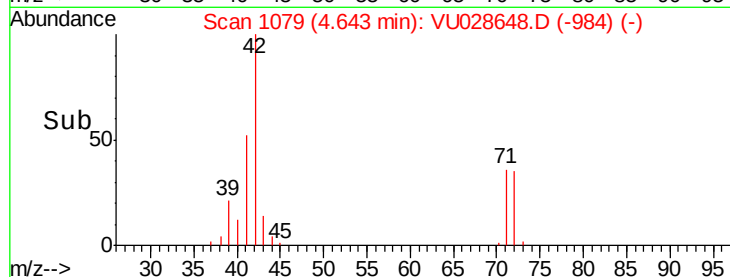
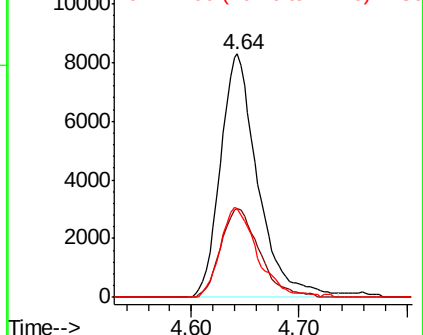
71 36.7 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 51.236 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028648.D

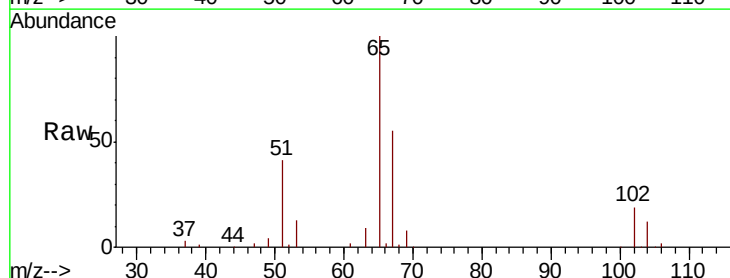
Acq: 12 Dec 2018 13:33

Tgt Ion: 65 Resp: 80761

Ion Ratio Lower Upper

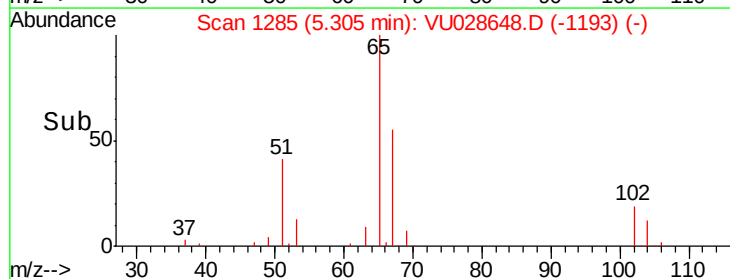
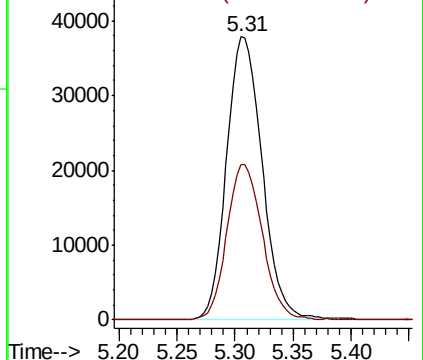
65 100

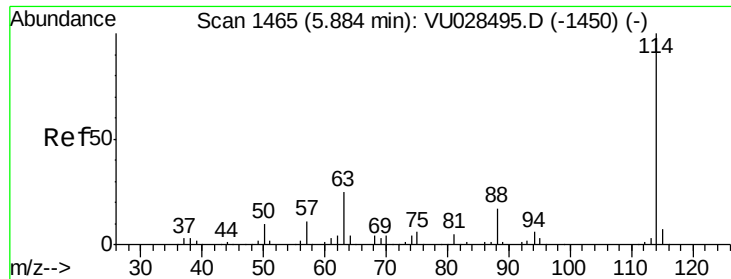
67 54.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

KY038PS027-181210

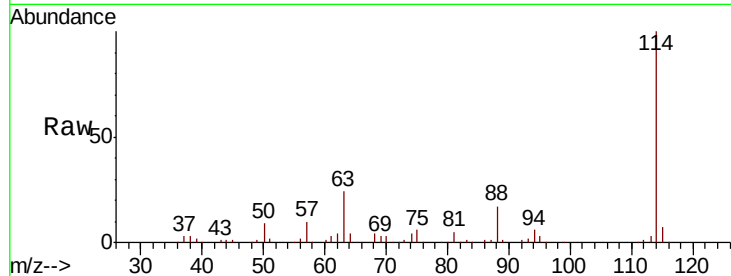
Tot Ion:114 Resp: 188013

Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.2

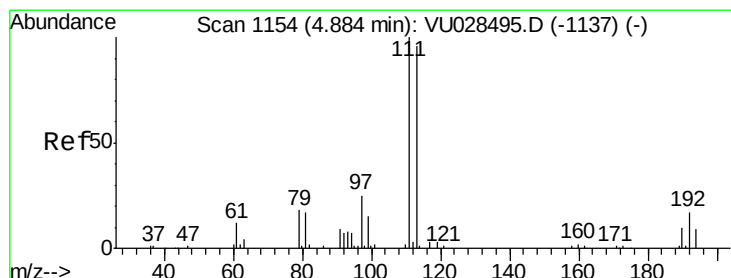
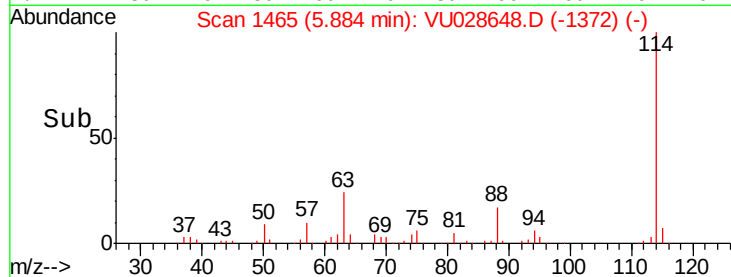
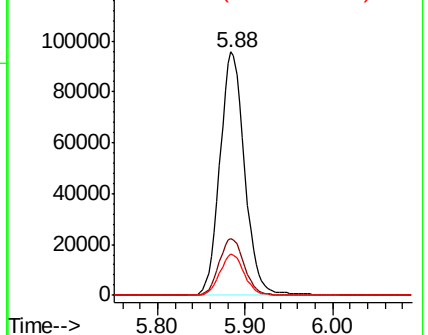
88 16.9 0.0 33.4



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: 51.630 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

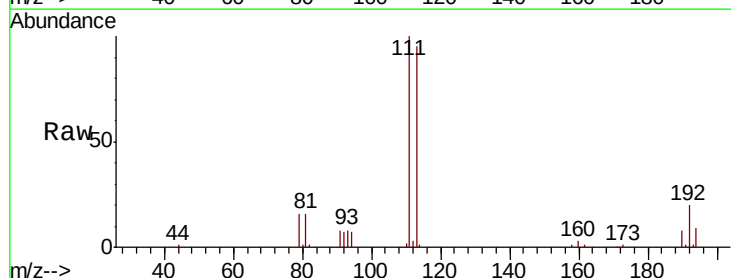
Tgt Ion:113 Resp: 61087

Ion Ratio Lower Upper

113 100

111 104.8 83.4 125.0

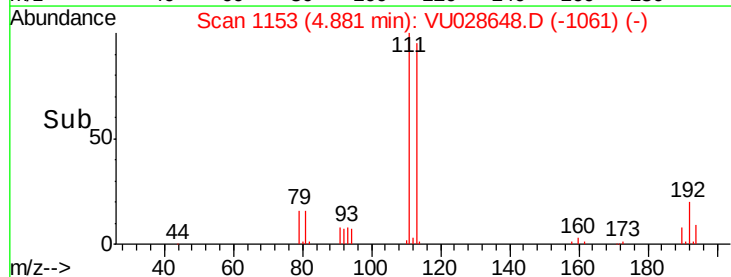
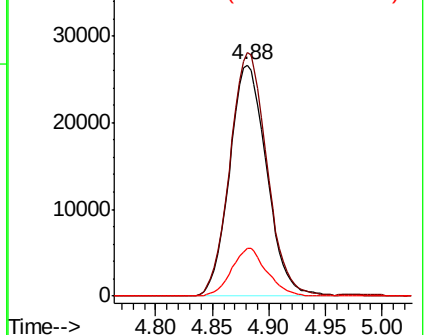
192 19.5 14.8 22.2

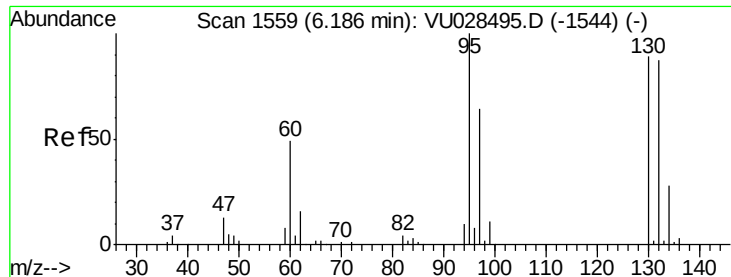


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 5.285 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

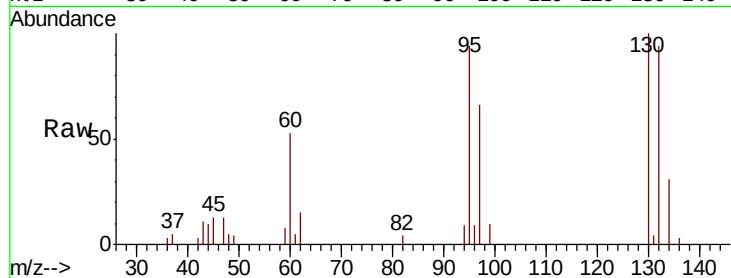
KY038PS027-181210

Tot Ion:130 Resp: 7121

Ion Ratio Lower Upper

130 100

95 94.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

6.19

4000

3000

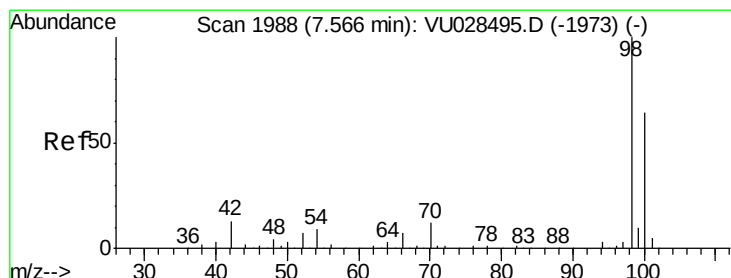
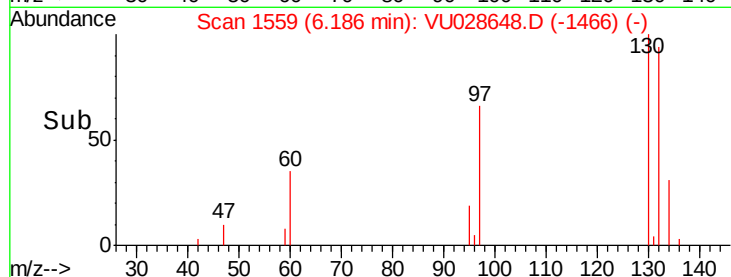
2000

1000

0

6.15 6.20 6.25

Time-->



#50

Toluene-d8

Concen: 51.120 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028648.D

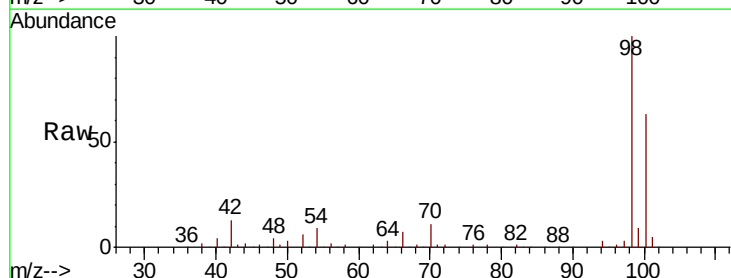
Acq: 12 Dec 2018 13:33

Tgt Ion: 98 Resp: 239265

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

150000

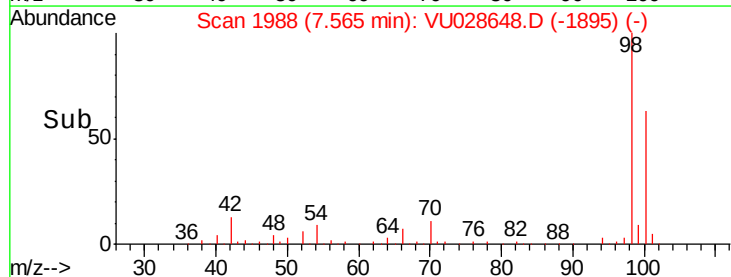
100000

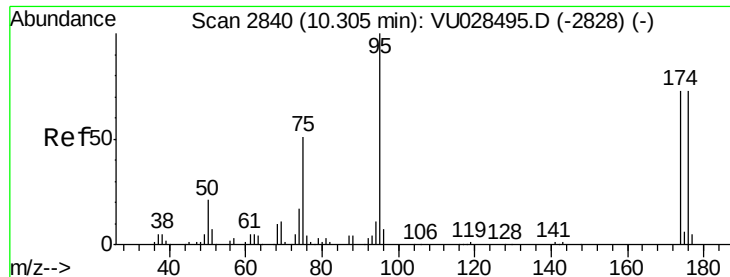
50000

0

7.50 7.60 7.70

Time-->

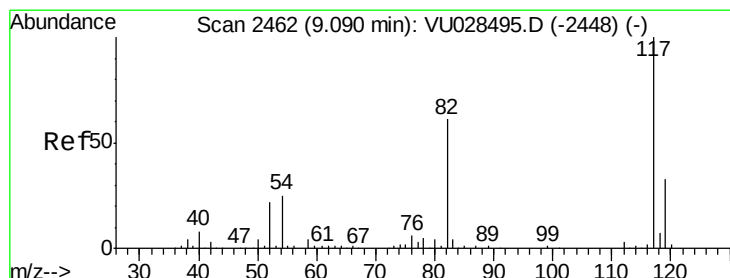
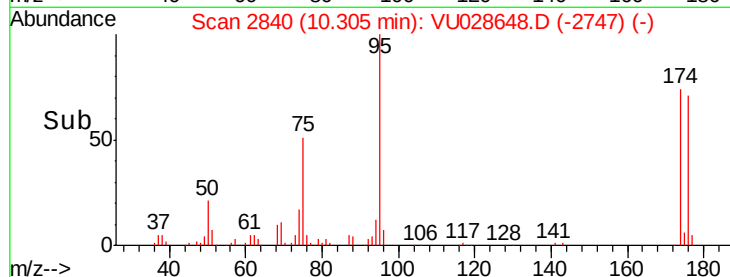
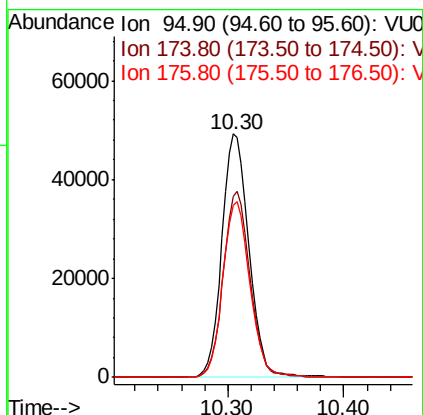
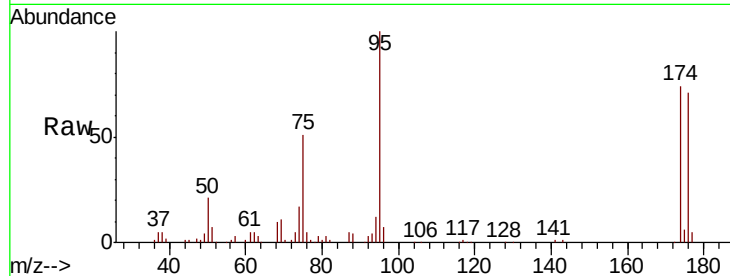




#62
4-Bromofluorobenzene
Concen: 45.344 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028648.D
Acq: 12 Dec 2018 13:33

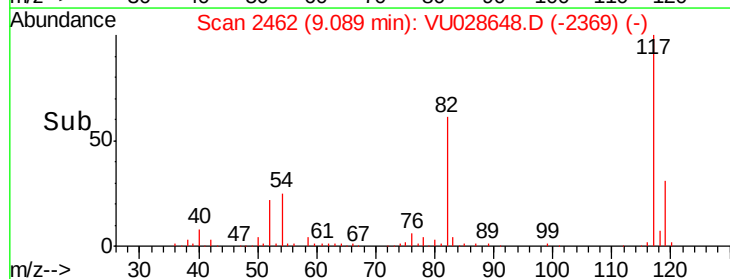
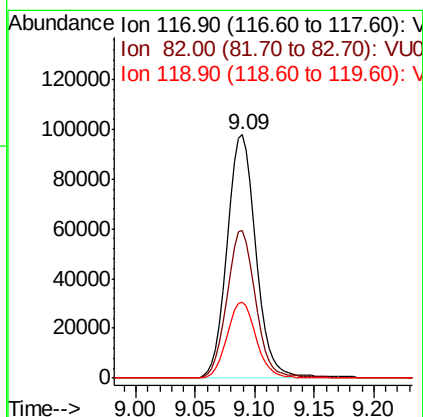
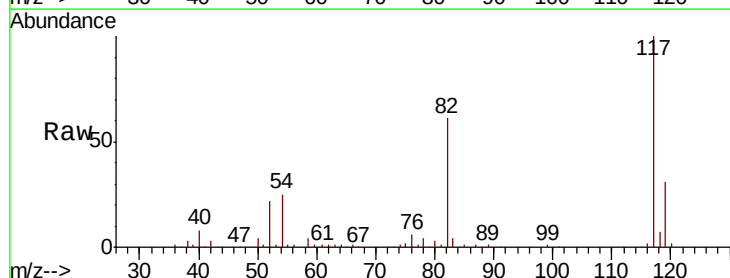
Instrument :
MSVOA_U
ClientSampleId :
KY038PS027-181210

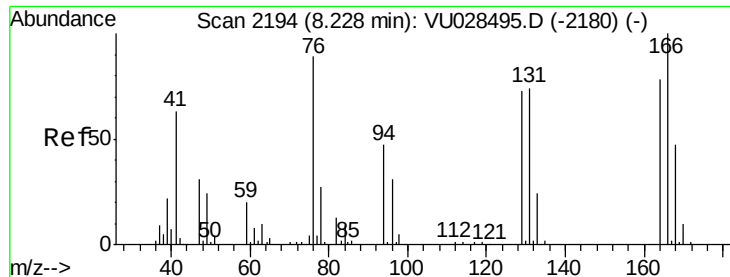
Tot Ion: 95 Resp: 79324
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.4
176 72.3 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028648.D
Acq: 12 Dec 2018 13:33

Tgt Ion: 117 Resp: 164726
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 31.4 26.2 39.4





#64

Tetrachloroethene

Concen: 7.667 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028648.D

Acq: 12 Dec 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

KY038PS027-181210

Tot Ion:164 Resp: 8424

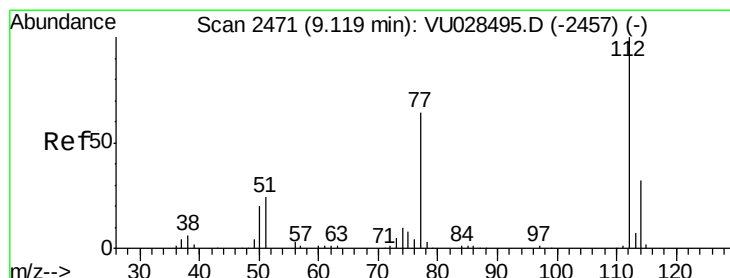
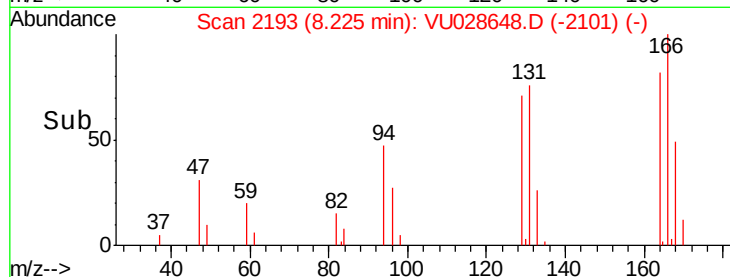
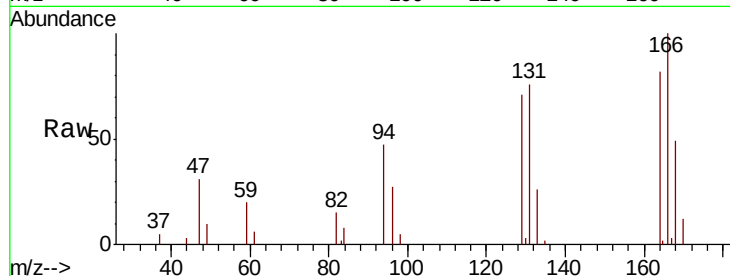
Ion Ratio Lower Upper

164 100

166 121.8 101.9 152.9

129 85.9 74.9 112.3

131 92.2 75.4 113.0



#65

Chlorobenzene

Concen: 1.878 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028648.D

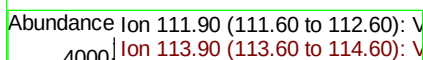
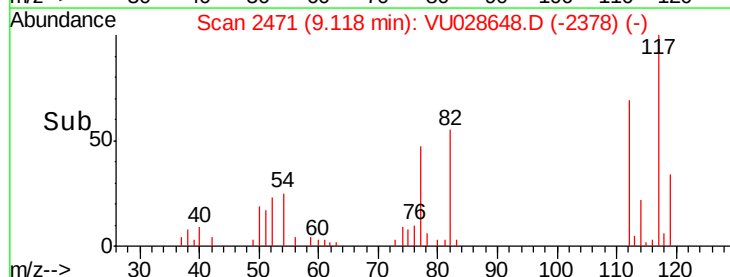
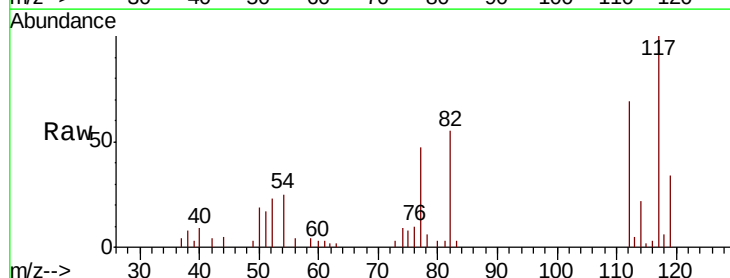
Acq: 12 Dec 2018 13:33

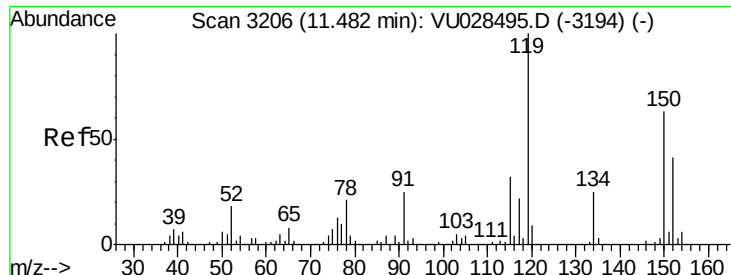
Tgt Ion:112 Resp: 6591

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9

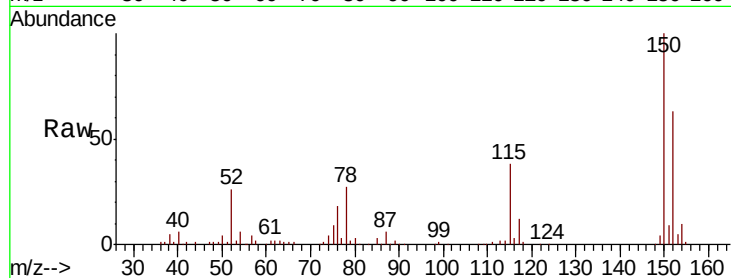




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028648.D
 Acq: 12 Dec 2018 13:33

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS027-181210

Tot Ion:152 Resp: 66509
 Ion Ratio Lower Upper
 152 100
 115 61.0 42.7 128.1
 150 159.2 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

