

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028609.D
 Acq On : 11 Dec 2018 16:01
 Operator : MD/SY
 Sample : VU1213WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBL01

Quant Time: Dec 12 04:10:48 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	90472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166605	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59531	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	75481	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
35) Dibromofluoromethane	4.88	113	55931	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	7.57	98	218033	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	10.30	95	71074	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

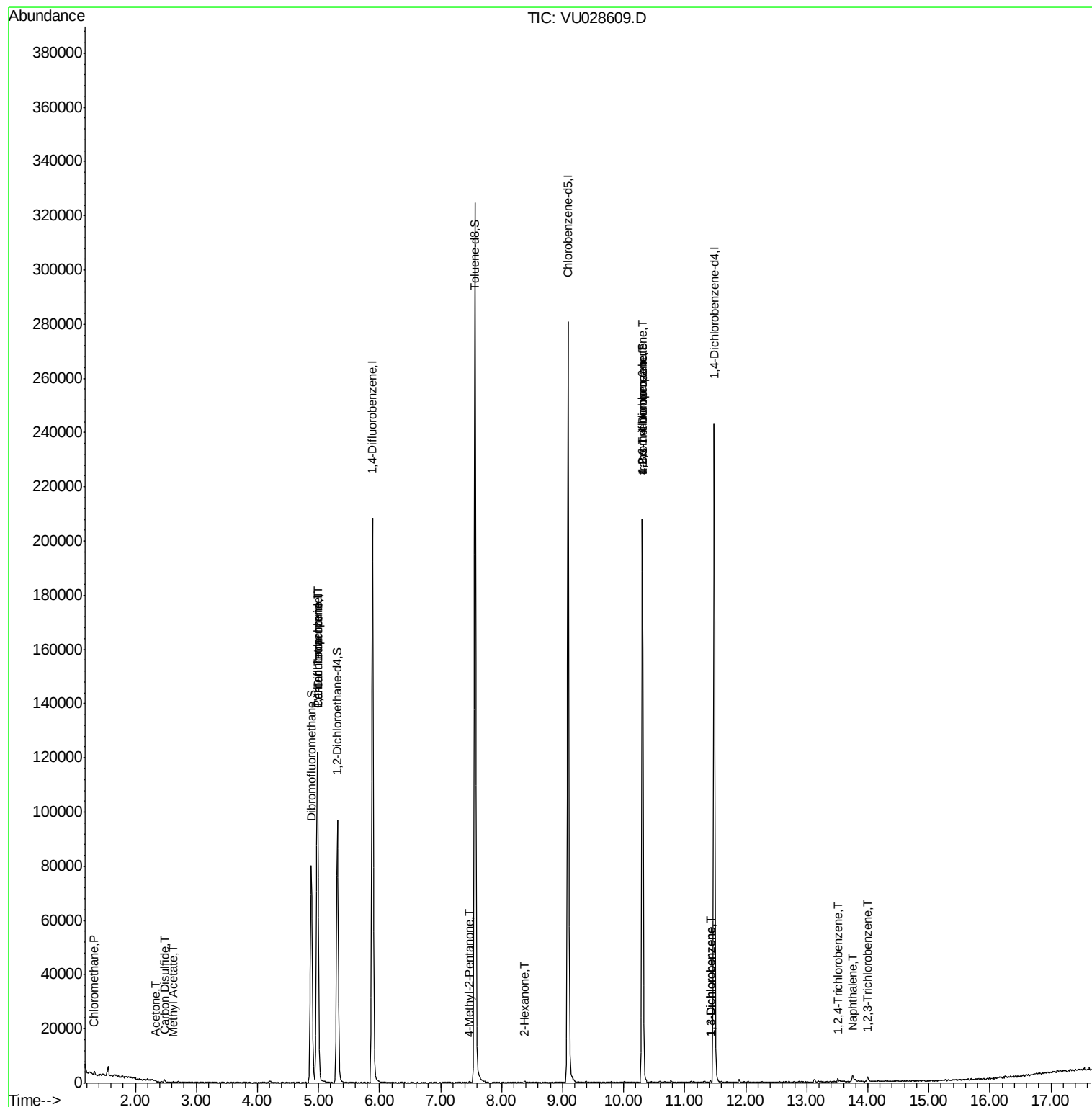
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1401	0.628	ug/l	99
16) Acetone	2.32	43	458	0.508	ug/l #	44
17) Carbon Disulfide	2.48	76	1329	0.366	ug/l #	75
18) Methyl Acetate	2.62	43	480	0.206	ug/l #	56
31) Cyclohexane	4.98	56	2178	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7944	4.357	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9206	6.265	ug/l #	15
51) 4-Methyl-2-Pentanone	7.46	43	577	0.245	ug/l #	68
59) 2-Hexanone	8.38	43	489	0.262	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	37891	24.926	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	37891	61.167	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	438	0.217	ug/l	86
88) 1,4-Dichlorobenzene	11.42	146	438	0.210	ug/l	87
93) 1,2,4-Trichlorobenzene	13.51	180	743	1.370	ug/l	87
95) Naphthalene	13.75	128	4791	0.989	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.99	180	1084	0.930	ug/l	78

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

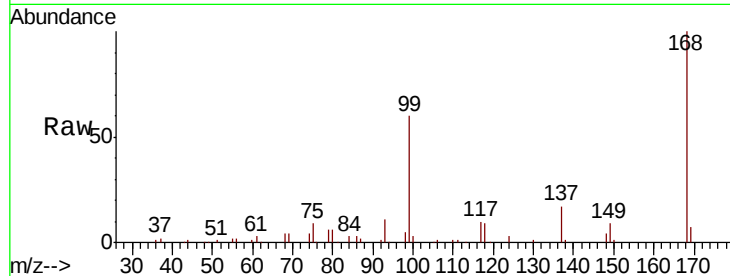
VU1213WBL01

Tot Ion:168 Resp: 90472

Ion Ratio Lower Upper

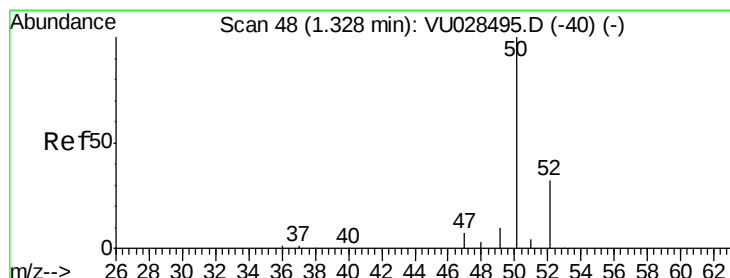
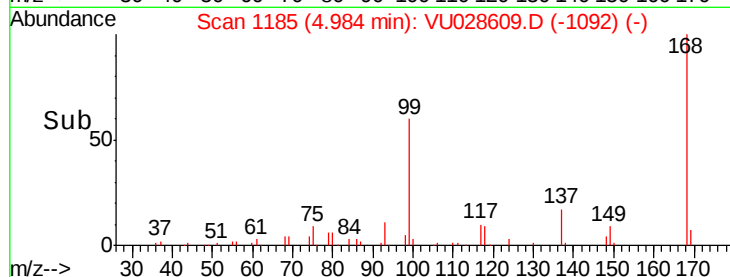
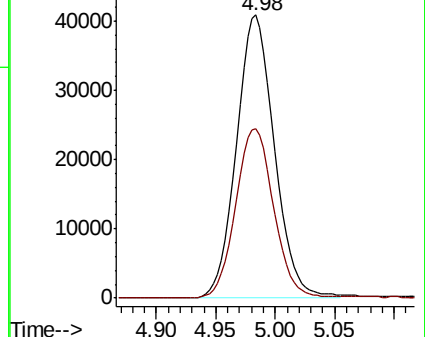
168 100

99 59.8 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) (-)



#3

Chloromethane

Concen: 0.628 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028609.D

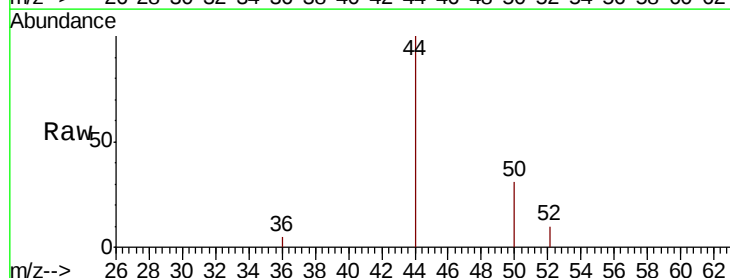
Acq: 11 Dec 2018 16:01

Tgt Ion: 50 Resp: 1401

Ion Ratio Lower Upper

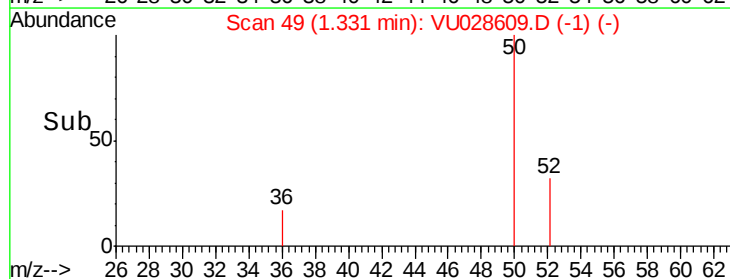
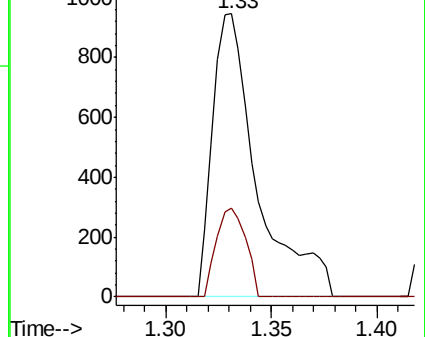
50 100

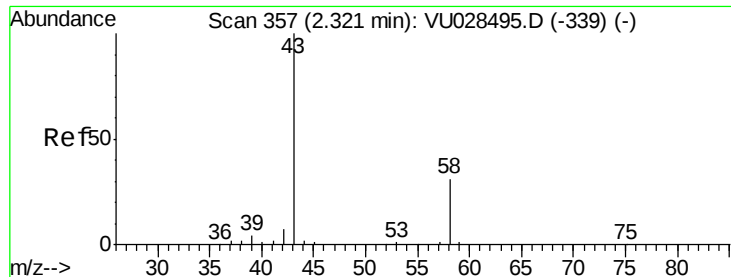
52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)





#16

Acetone

Concen: 0.508 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

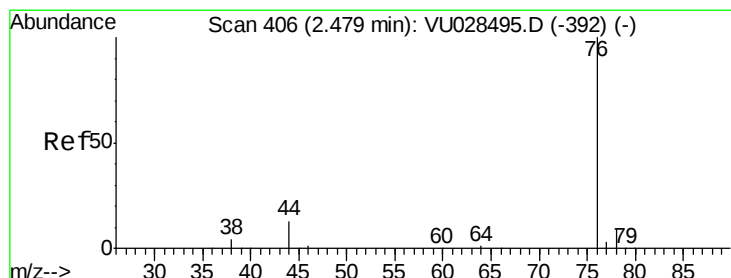
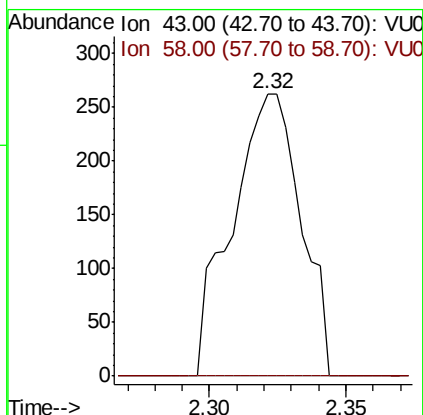
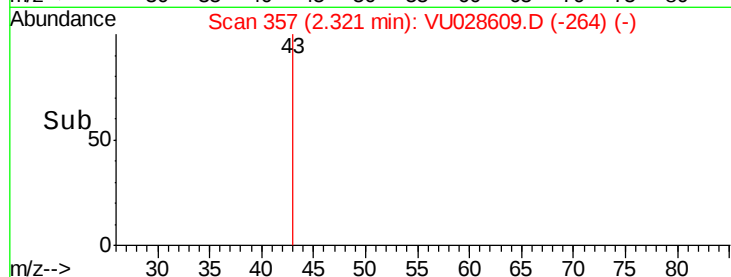
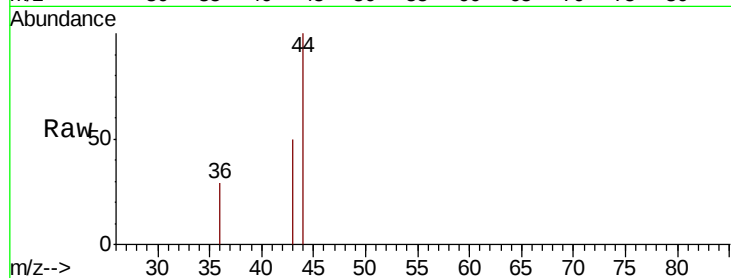
VU1213WBL01

Tot Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#17

Carbon Disulfide

Concen: 0.366 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028609.D

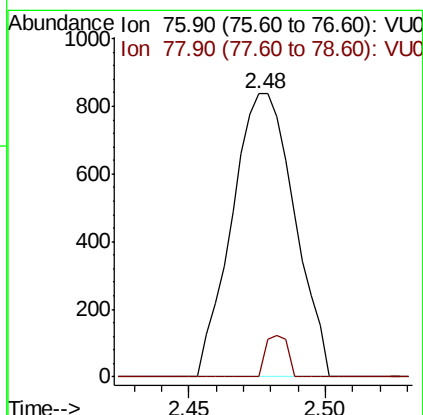
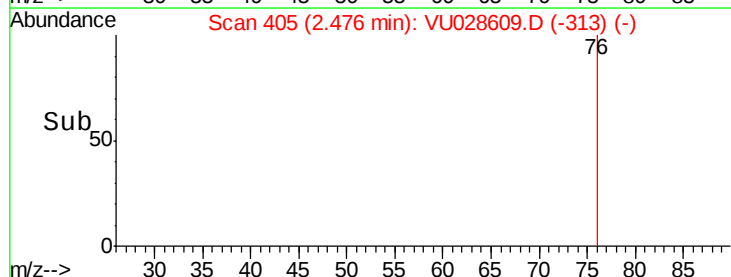
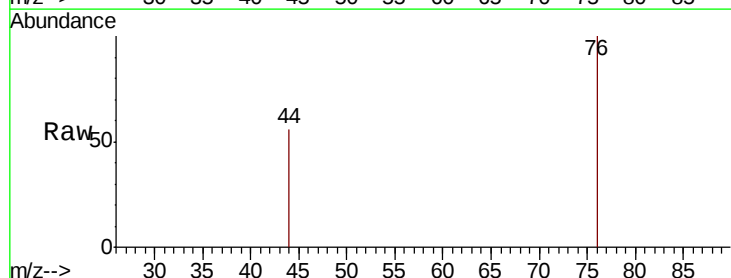
Acq: 11 Dec 2018 16:01

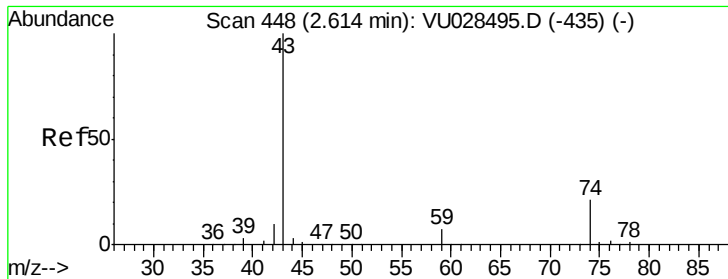
Tgt Ion: 76 Resp: 1329

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#18

Methvl Acetate

Concen: 0.206 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

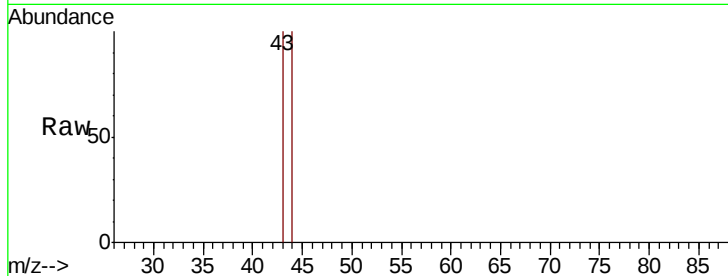
VU1213WBL01

Tot Ion: 43 Resp: 480

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

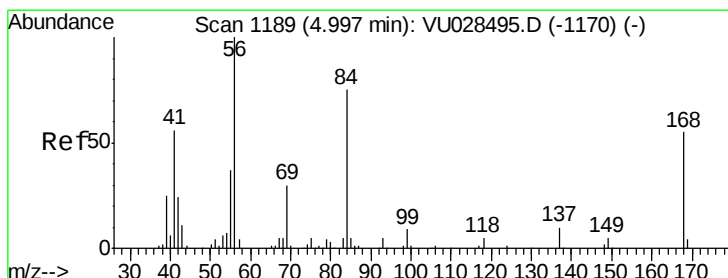
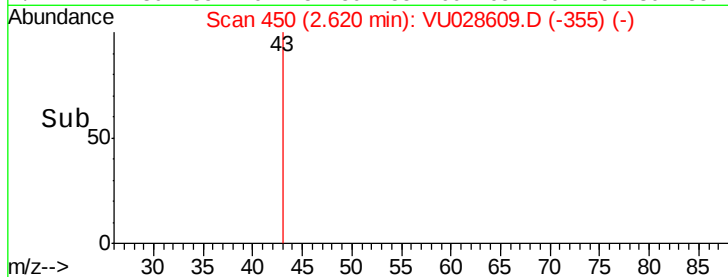
300

200

100

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

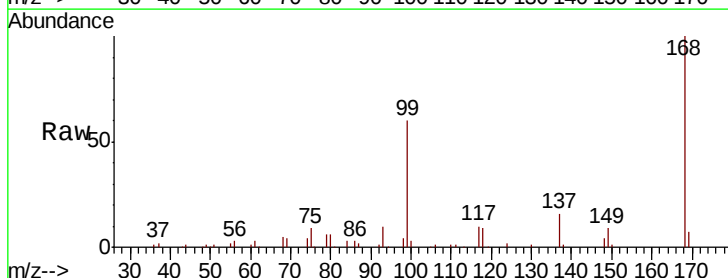
Tgt Ion: 56 Resp: 2178

Ion Ratio Lower Upper

56 100

69 172.6 24.0 36.0#

84 135.4 59.7 89.5#



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

2000

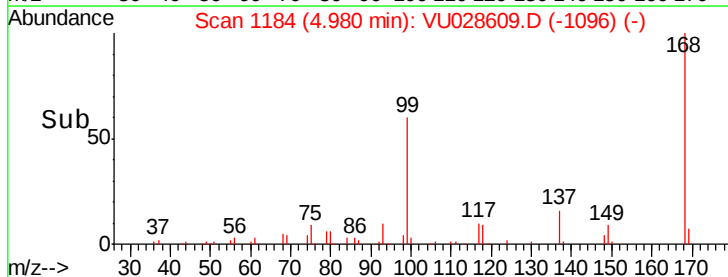
1500

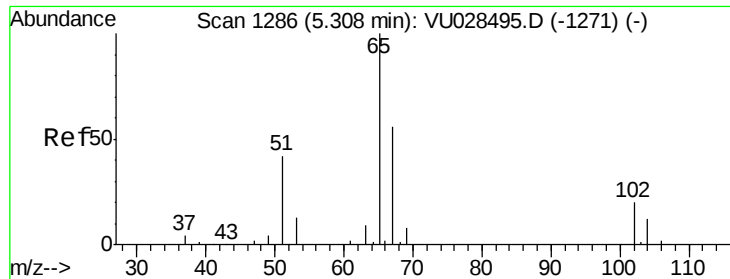
1000

500

0

Time-->

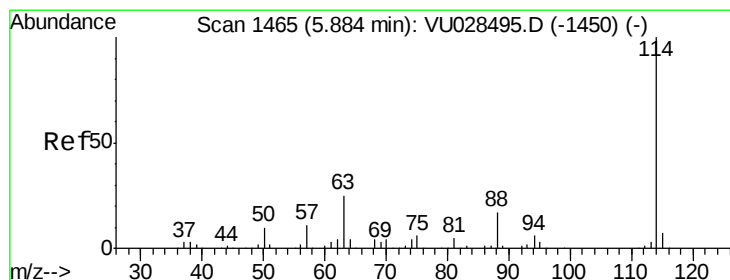
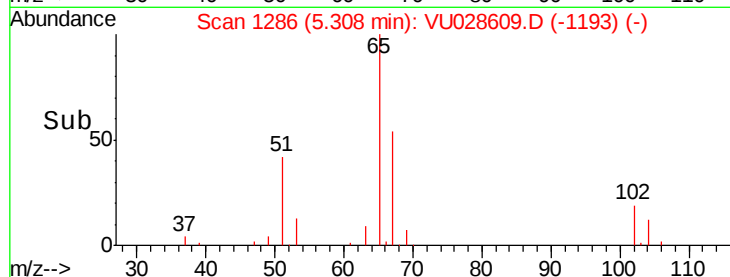
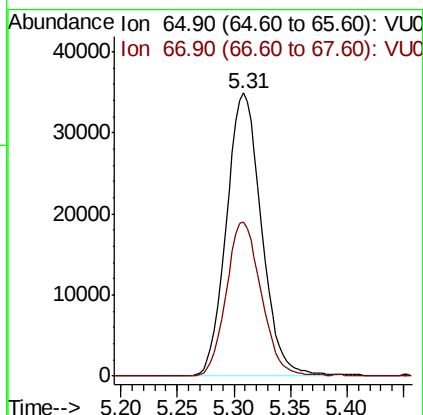
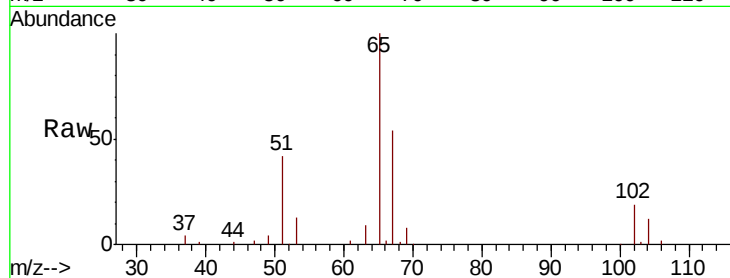




#33
 1,2-Dichloroethane-d4
 Concen: 54.670 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028609.D
 Acq: 11 Dec 2018 16:01

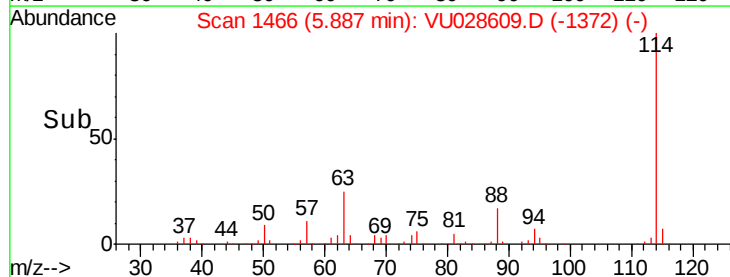
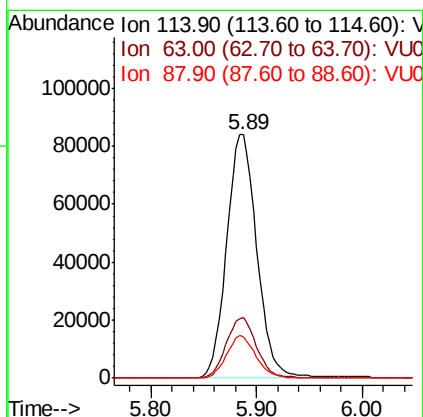
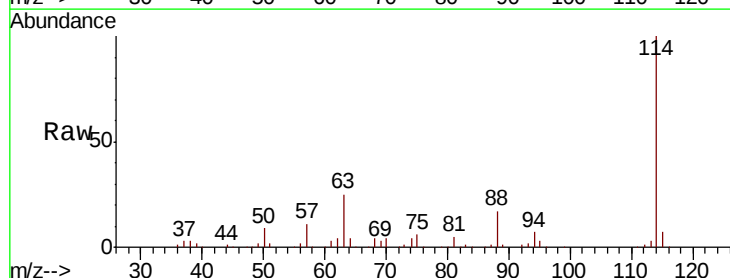
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBL01

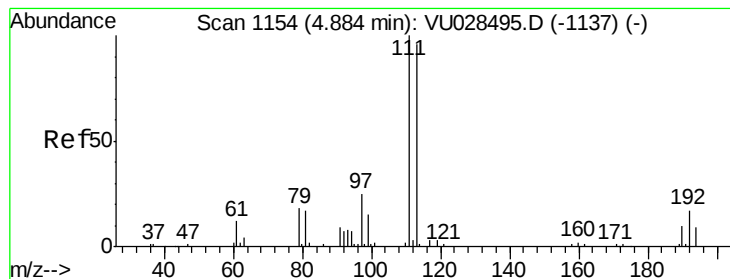
Tot Ion: 65 Resp: 75481
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028609.D
 Acq: 11 Dec 2018 16:01

Tgt Ion: 114 Resp: 166605
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.346 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBL01

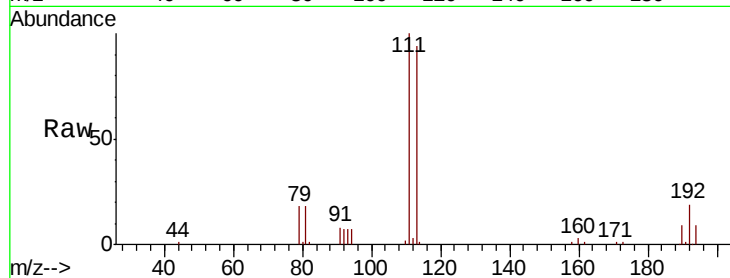
Tot Ion:113 Resp: 55931

Ion Ratio Lower Upper

113 100

111 104.5 83.4 125.0

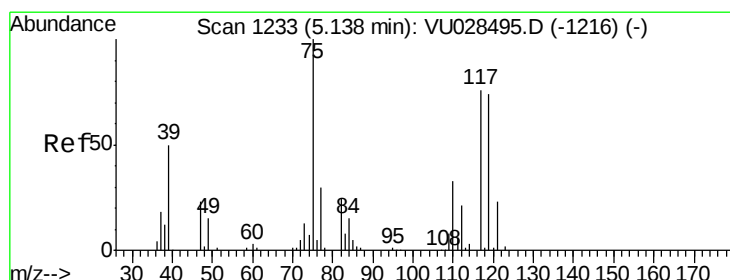
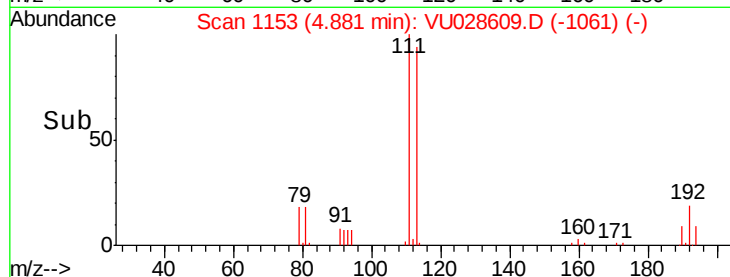
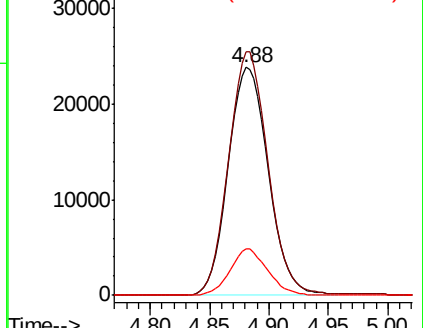
192 18.9 14.8 22.2



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



#36

1,1-Dichloropropene

Concen: 4.357 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

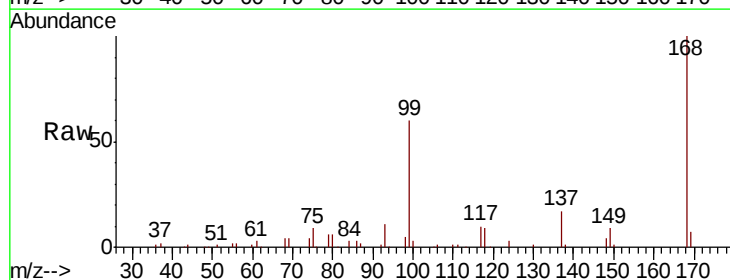
Tgt Ion: 75 Resp: 7944

Ion Ratio Lower Upper

75 100

110 4.6 16.1 48.2#

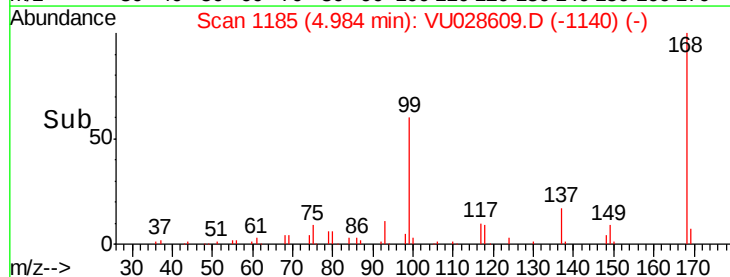
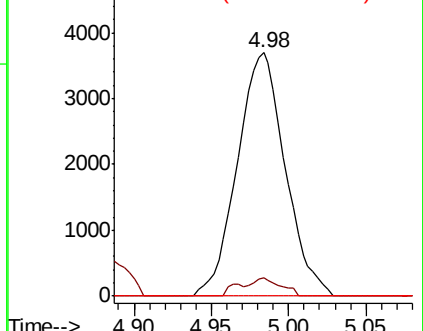
77 0.0 24.5 36.7#

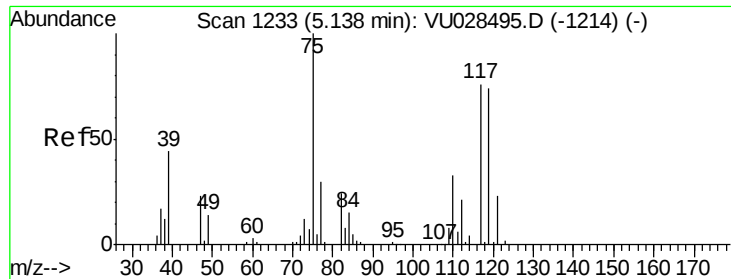


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.265 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBL01

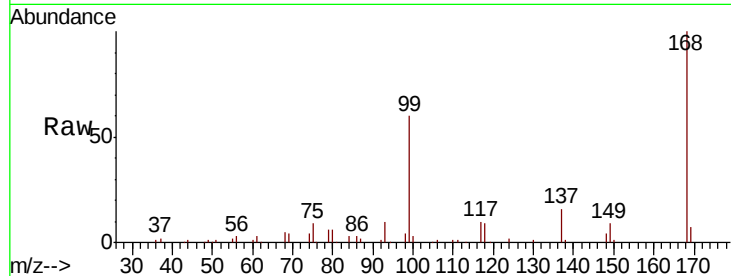
Tot Ion:117 Resp: 9206

Ion Ratio Lower Upper

117 100

119 4.1 77.6 116.4#

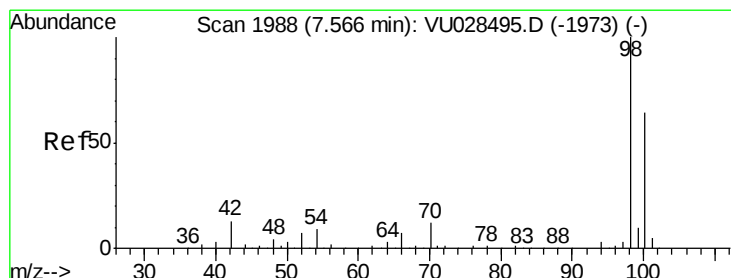
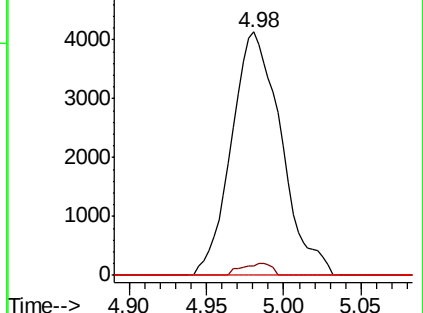
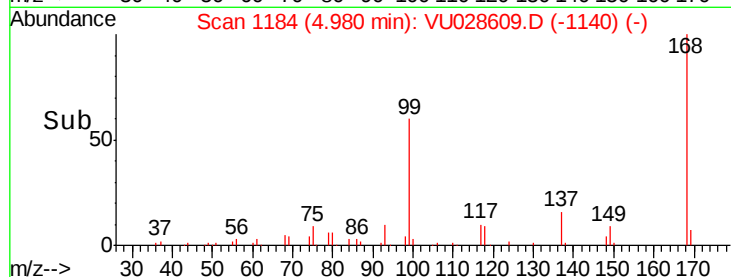
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 52.570 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028609.D

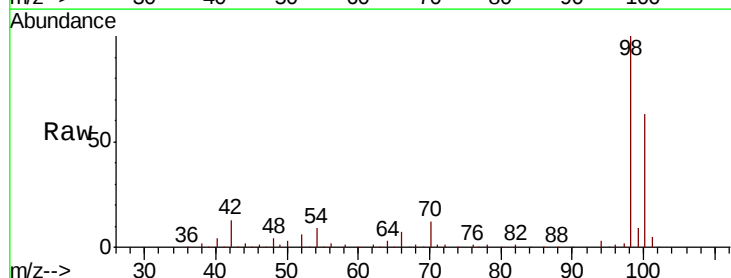
Acq: 11 Dec 2018 16:01

Tgt Ion: 98 Resp: 218033

Ion Ratio Lower Upper

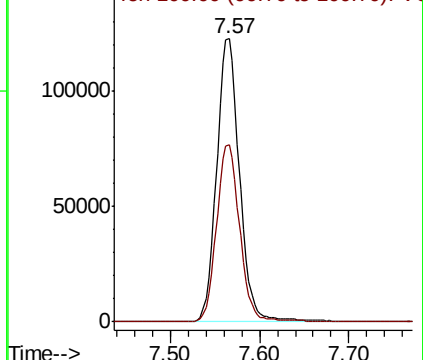
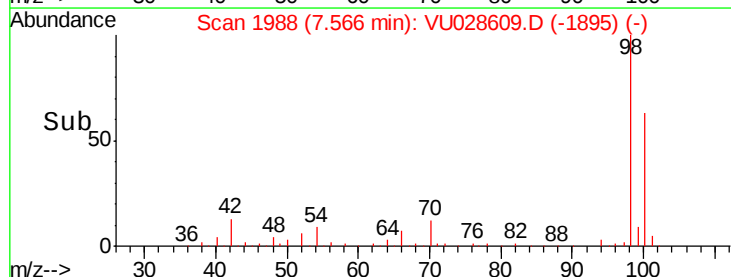
98 100

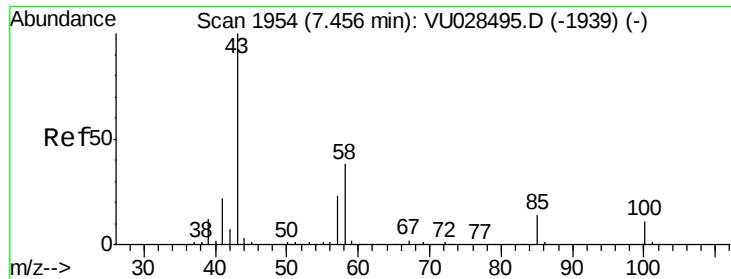
100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.245 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

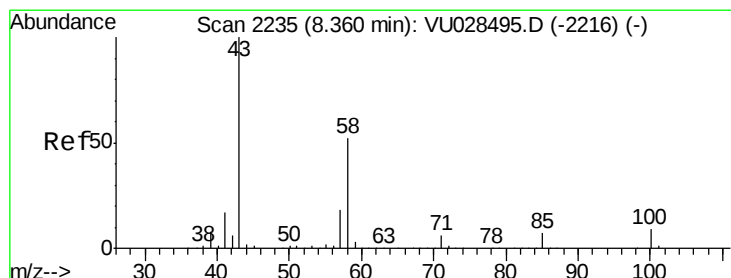
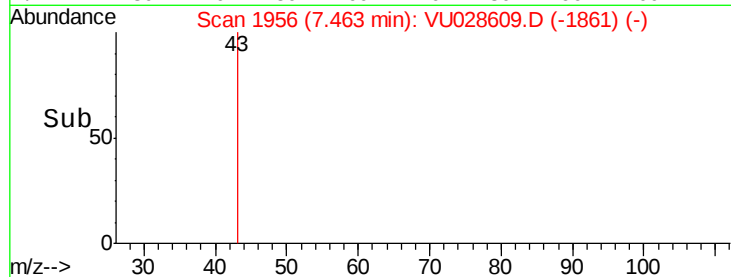
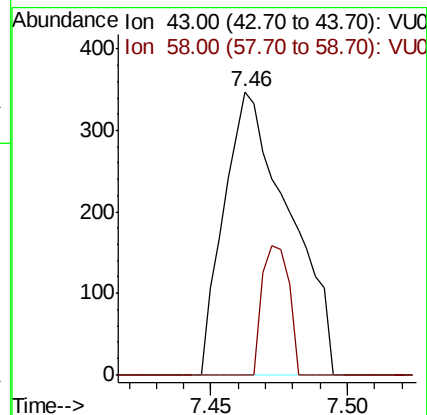
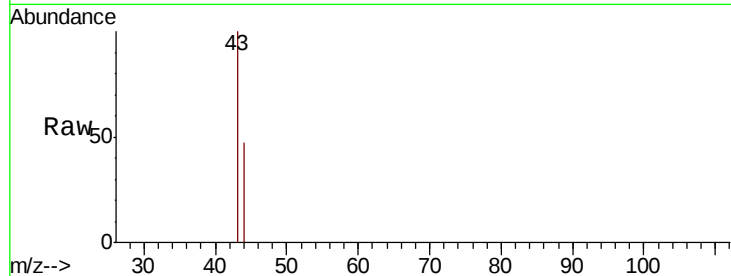
VU1213WBL01

Tot Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

58 18.4 30.2 45.2#



#59

2-Hexanone

Concen: 0.262 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. 0.02 min

Lab File: VU028609.D

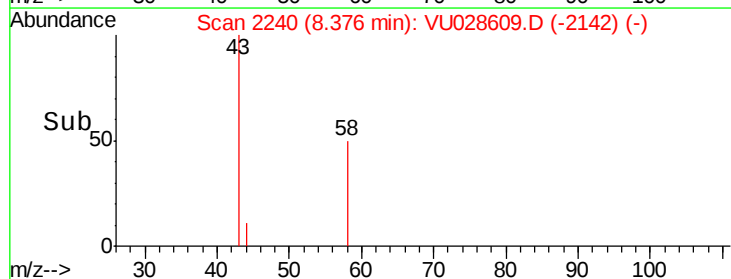
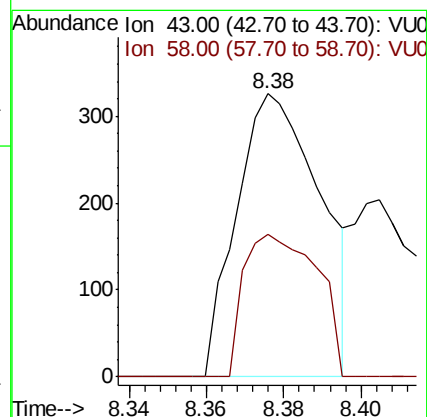
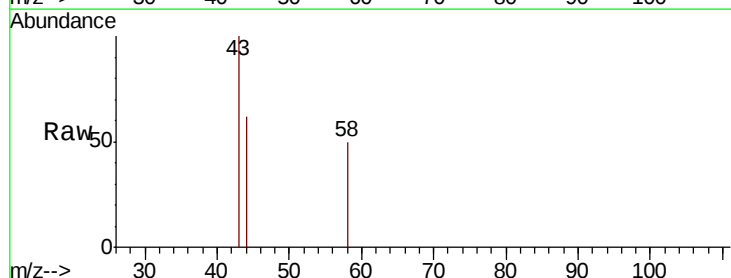
Acq: 11 Dec 2018 16:01

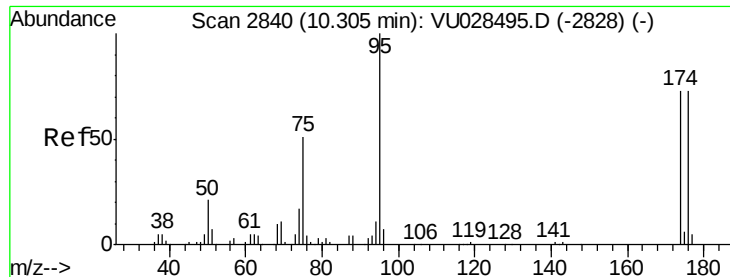
Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

58 44.2 25.9 77.6

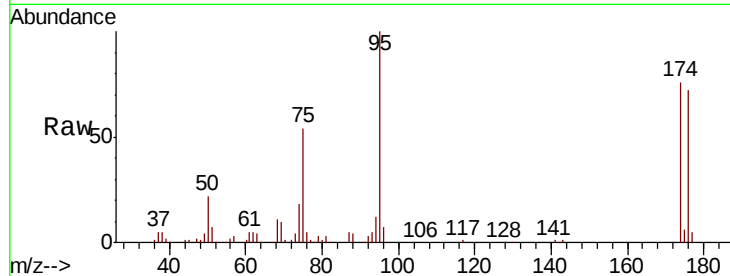




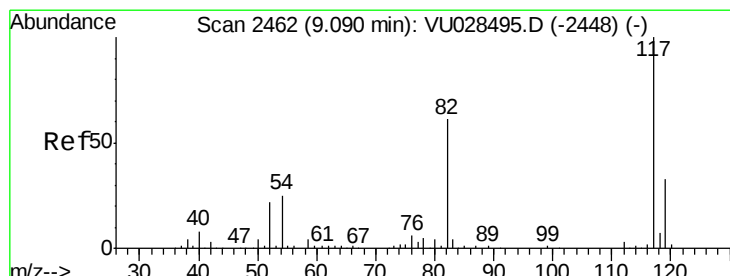
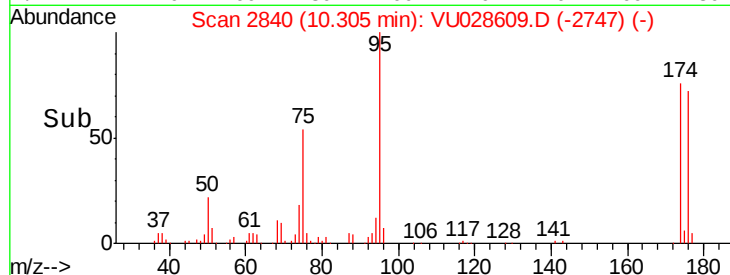
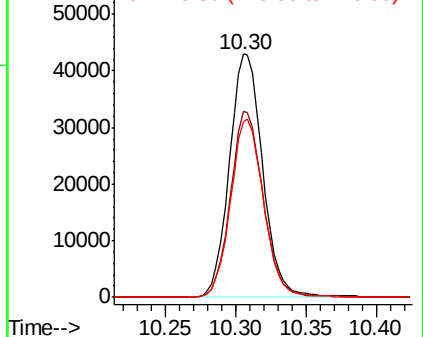
#62
 4-Bromofluorobenzene
 Concen: 45.849 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028609.D
 Acq: 11 Dec 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBL01

Tot Ion: 95 Resp: 71074
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.4
 176 72.3 0.0 145.2

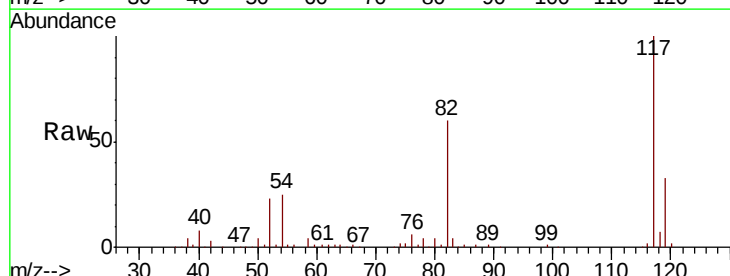


Abundance Ion 94.90 (94.60 to 95.60): VU
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

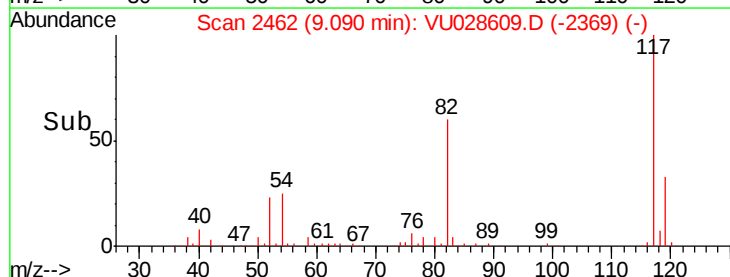
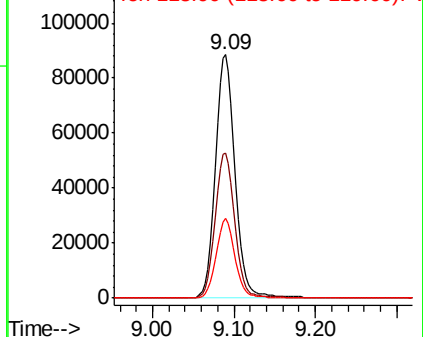


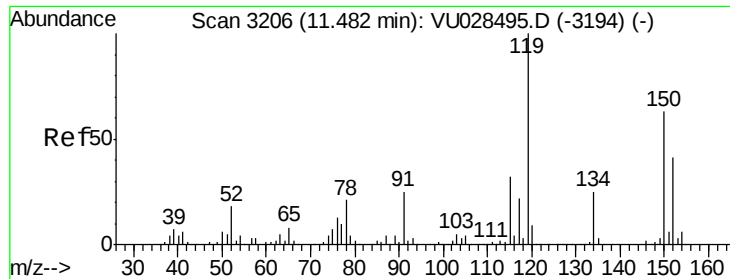
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028609.D
 Acq: 11 Dec 2018 16:01

Tgt Ion: 117 Resp: 151405
 Ion Ratio Lower Upper
 117 100
 82 59.6 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): VU
 Ion 118.90 (118.60 to 119.60): V



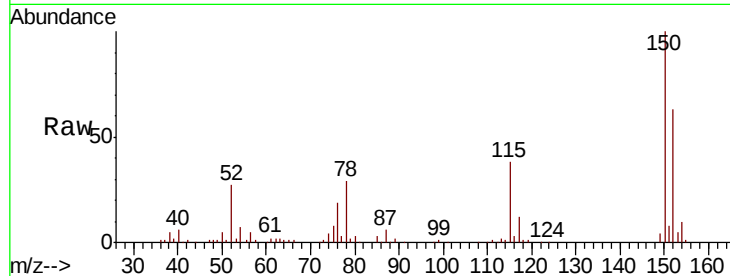


#72

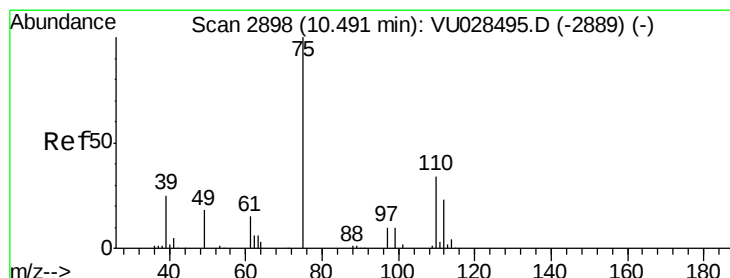
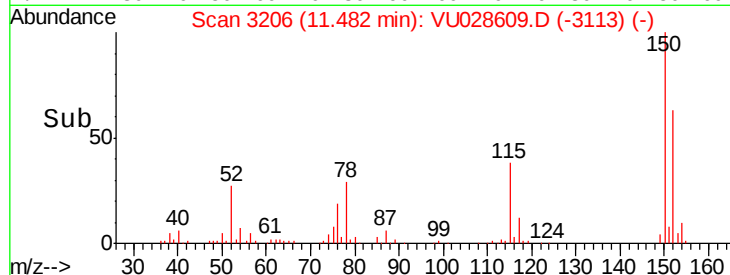
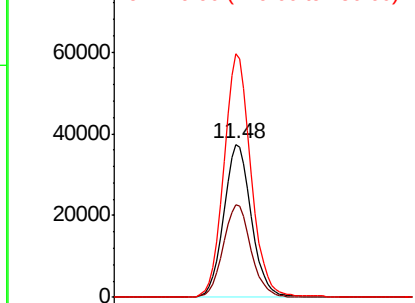
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028609.D
Acq: 11 Dec 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL01

Tot Ion:152 Resp: 59531
Ion Ratio Lower Upper
152 100
115 60.6 42.7 128.1
150 156.2 0.0 346.0



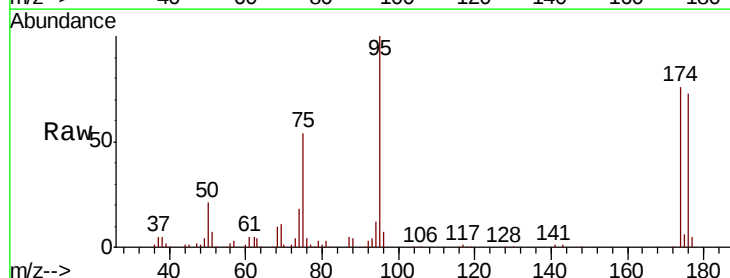
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



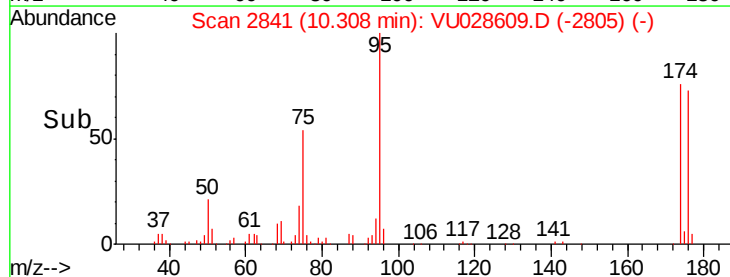
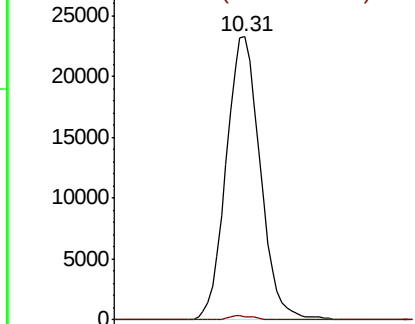
#76

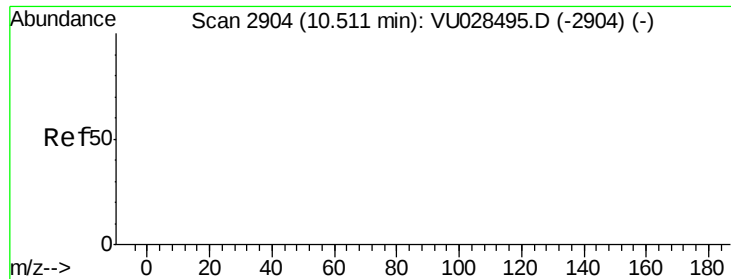
1,2,3-Trichloropropane
Concen: 24.926 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.18 min
Lab File: VU028609.D
Acq: 11 Dec 2018 16:01

Tgt Ion: 75 Resp: 37891
Ion Ratio Lower Upper
75 100
77 1.0 20.8 62.4#



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: 61.167 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBL01

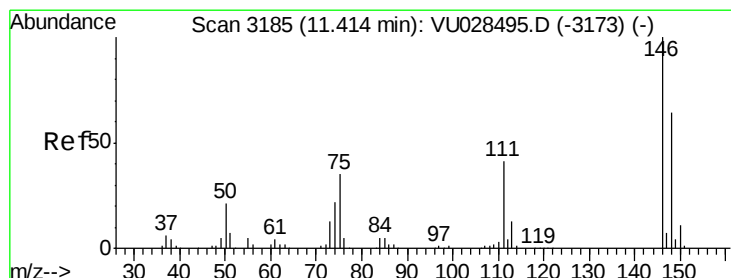
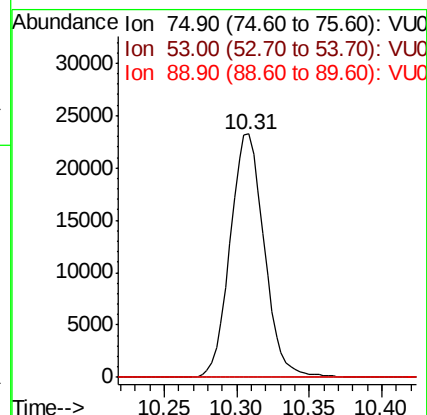
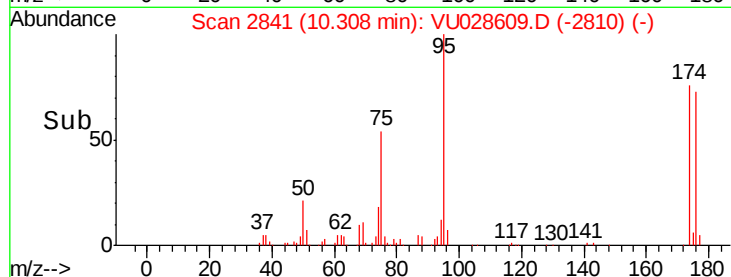
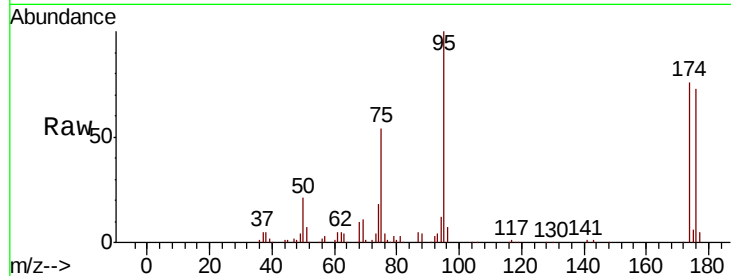
Tot Ion: 75 Resp: 37891

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#87

1,3-Dichlorobenzene

Concen: 0.217 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

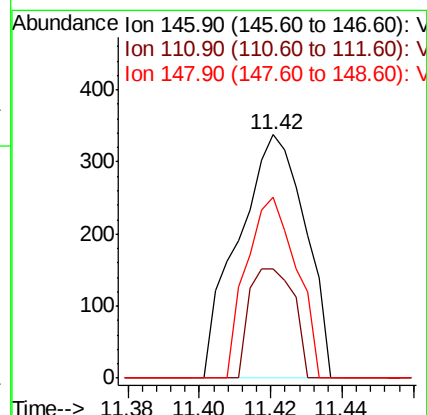
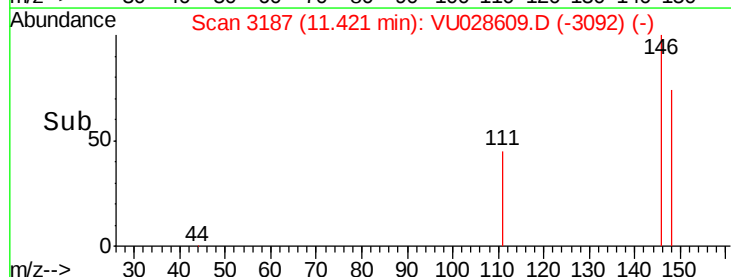
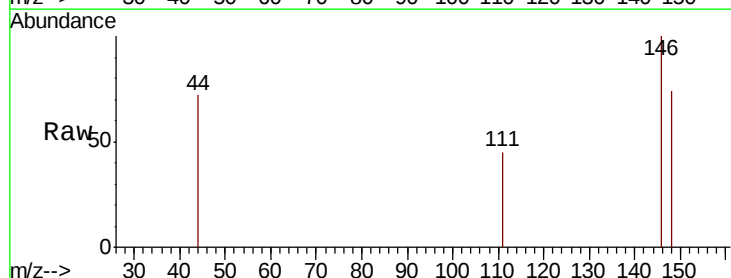
Tgt Ion: 146 Resp: 438

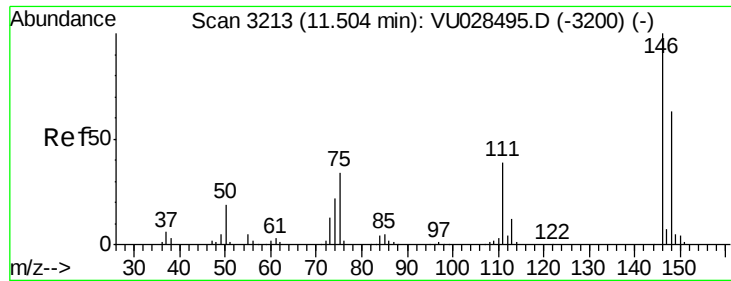
Ion Ratio Lower Upper

146 100

111 29.9 20.7 62.1

148 55.5 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: 0.210 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. -0.08 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBL01

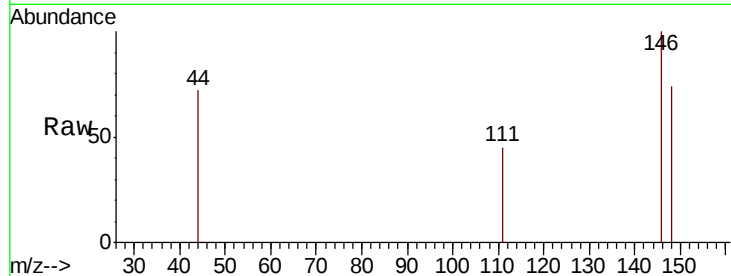
Tot Ion:146 Resp: 438

Ion Ratio Lower Upper

146 100

111 29.9 20.2 60.5

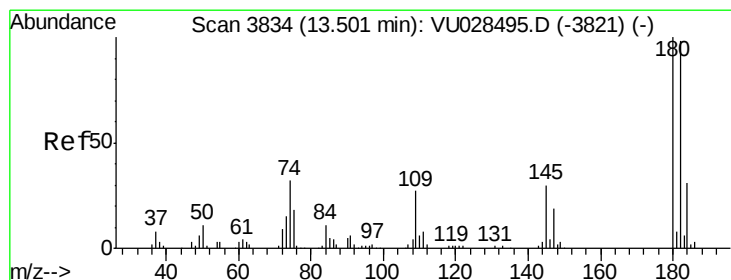
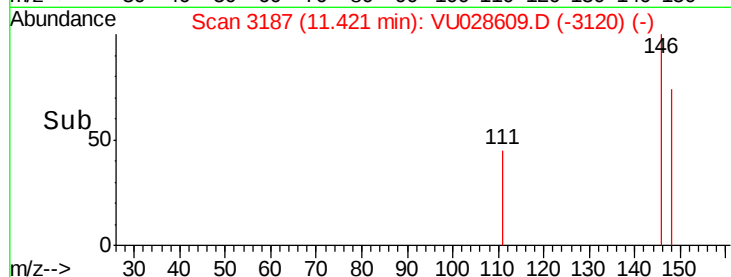
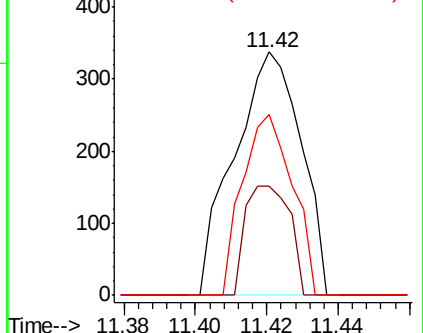
148 55.5 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 1.370 ug/l

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU028609.D

Acq: 11 Dec 2018 16:01

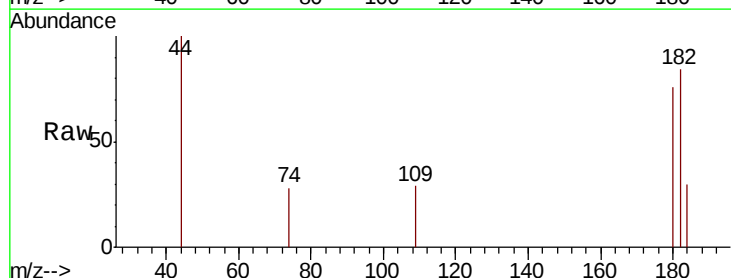
Tgt Ion:180 Resp: 743

Ion Ratio Lower Upper

180 100

182 87.1 47.9 143.8

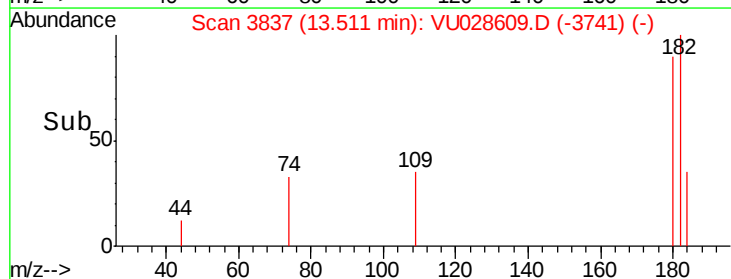
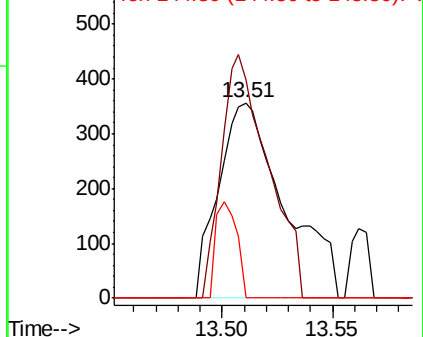
145 15.3 15.0 45.1

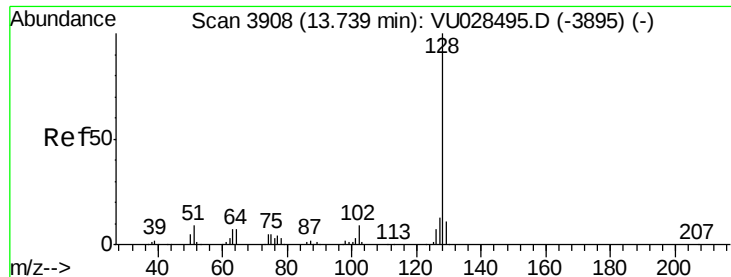


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

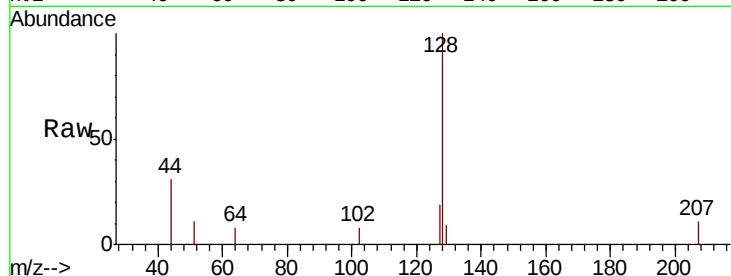




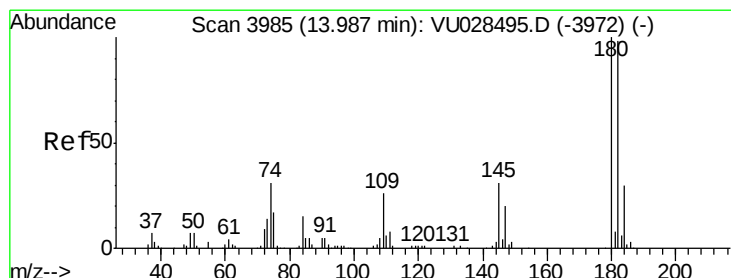
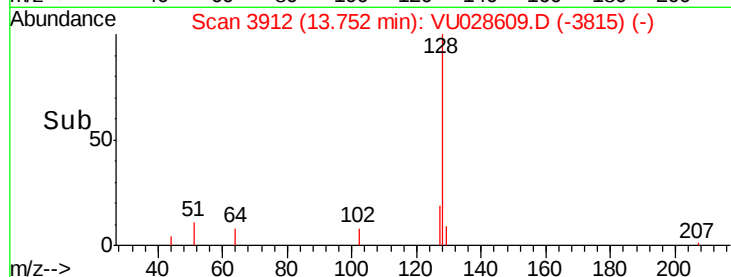
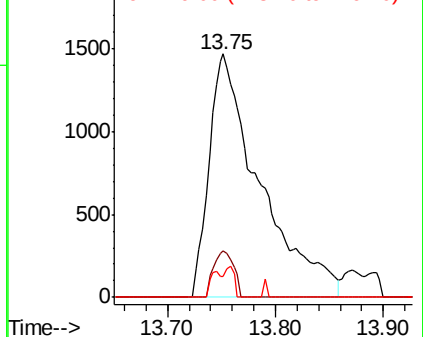
#95
Naphthalene
Concen: 0.989 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU028609.D
Acq: 11 Dec 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL01

Tot Ion:128 Resp: 4791
Ion Ratio Lower Upper
128 100
127 7.6 10.4 15.6#
129 2.0 8.6 13.0#

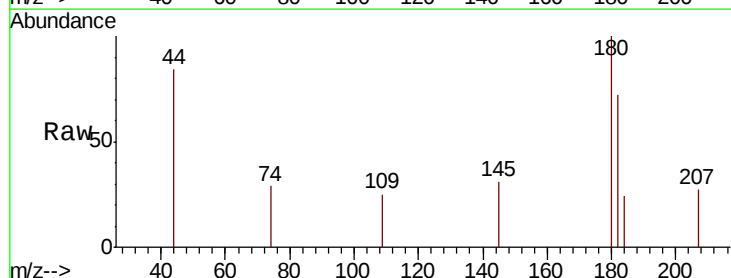


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.930 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU028609.D
Acq: 11 Dec 2018 16:01

Tgt Ion:180 Resp: 1084
Ion Ratio Lower Upper
180 100
182 73.9 48.2 144.6
145 20.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

