

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028515.D
 Acq On : 06 Dec 2018 20:50
 Operator : MD/SY
 Sample : J6252-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09S-M16W4-11-27-18

Quant Time: Dec 07 06:17:48 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	94942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	176656	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77485	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	79072	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
35) Dibromofluoromethane	4.88	113	57799	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	7.57	98	234627	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	10.31	95	83284	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	

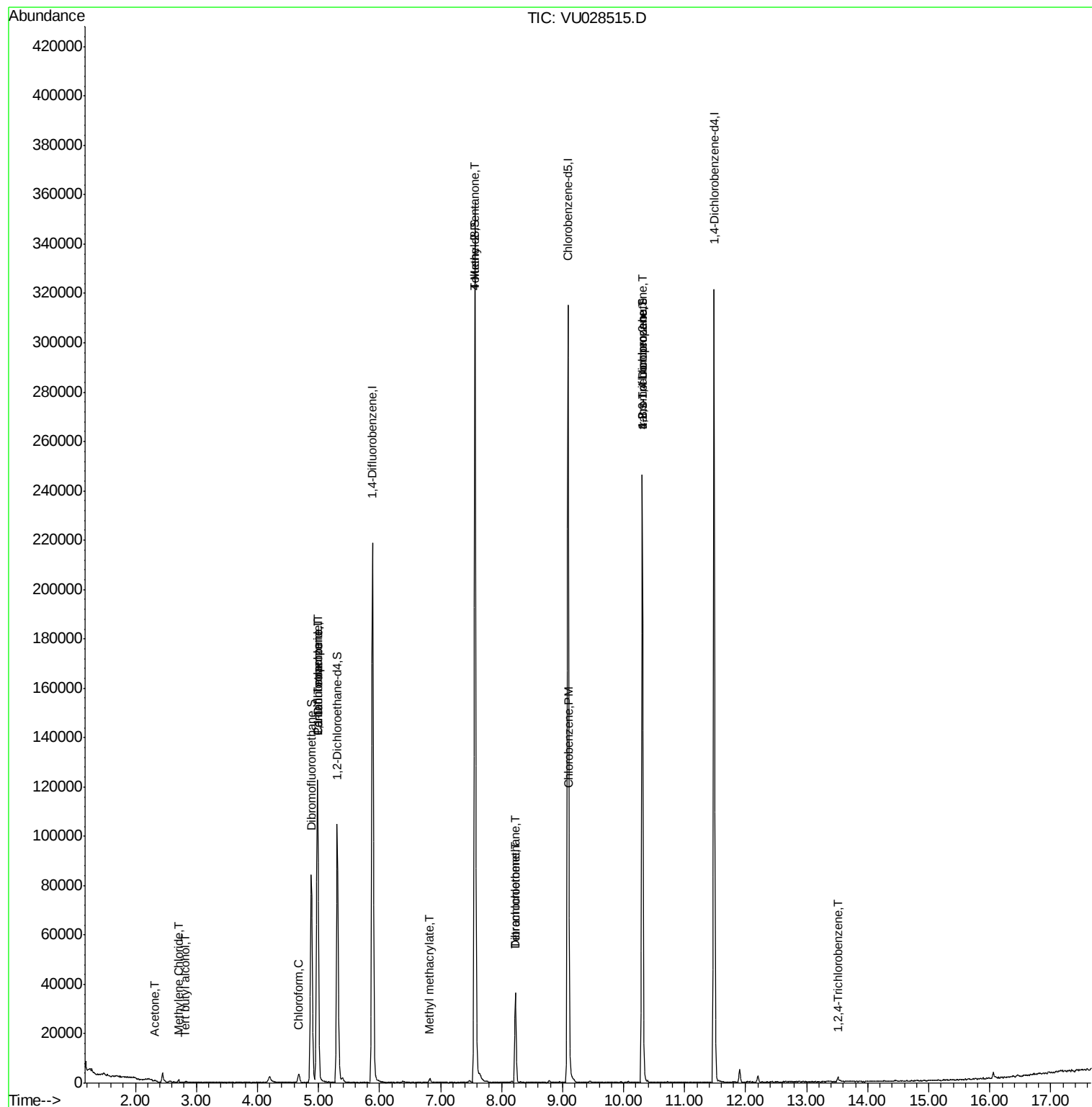
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	454	1.406	ug/l #	73
16) Acetone	2.32	43	716	0.757	ug/l	97
20) Methylene Chloride	2.71	84	416	0.298	ug/l #	91
30) Chloroform	4.68	83	3543	1.597	ug/l	89
31) Cyclohexane	4.98	56	1931	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8121	4.201	ug/l #	47
38) Carbon Tetrachloride	4.99	117	9573	6.144	ug/l #	14
48) Methyl methacrylate	6.82	41	748	0.381	ug/l #	30
51) 4-Methyl-2-Pentanone	7.57	43	1286	0.516	ug/l #	1
60) Dibromochloromethane	8.22	129	7857	6.059	ug/l #	10
64) Tetrachloroethene	8.23	164	8239	7.446	ug/l	90
65) Chlorobenzene	9.12	112	1181	0.334	ug/l #	77
76) 1,2,3-Trichloropropane	10.30	75	44134	22.306	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	44134	54.792	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	1126	1.457	ug/l	91

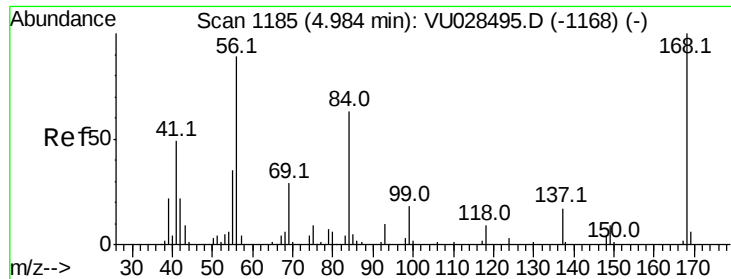
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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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: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

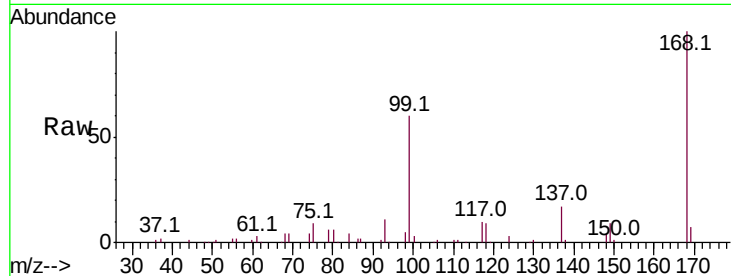
CPA-CPMW09S-M16W4-11-27-18

Tot Ion:168 Resp: 94942

Ion Ratio Lower Upper

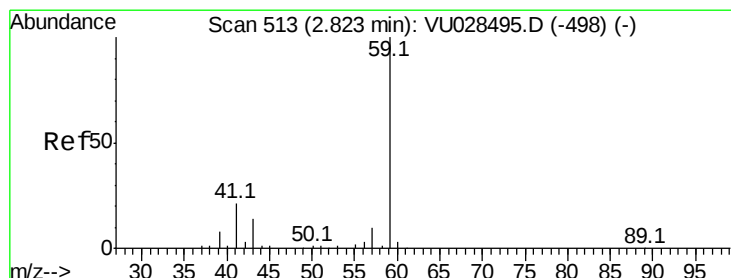
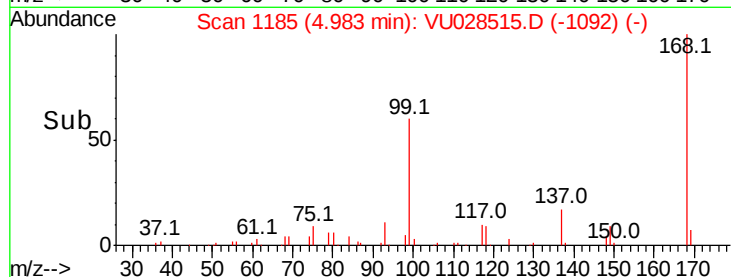
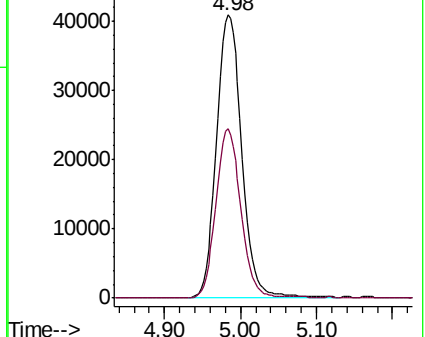
168 100

99 60.0 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) (-)



#11

Tert butyl alcohol

Concen: 1.406 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU028515.D

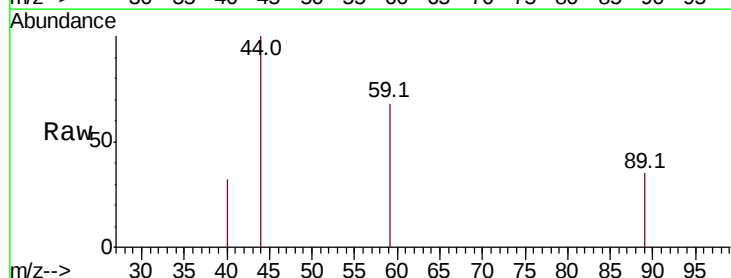
Acq: 06 Dec 2018 20:50

Tgt Ion: 59 Resp: 454

Ion Ratio Lower Upper

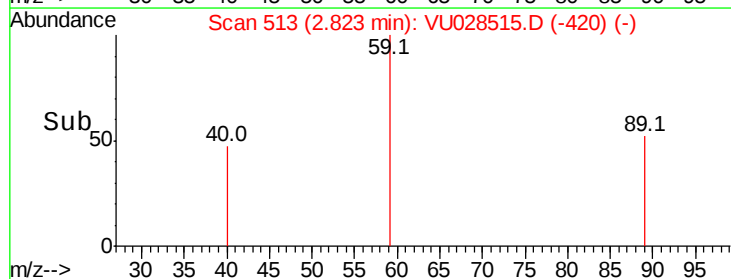
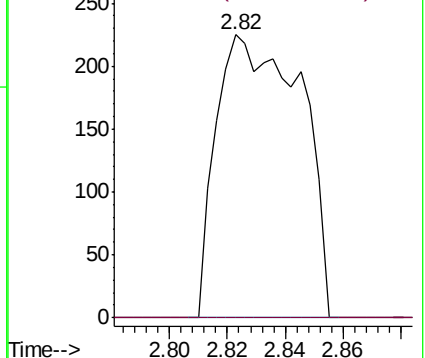
59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)





#16

Acetone

Concen: 0.757 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

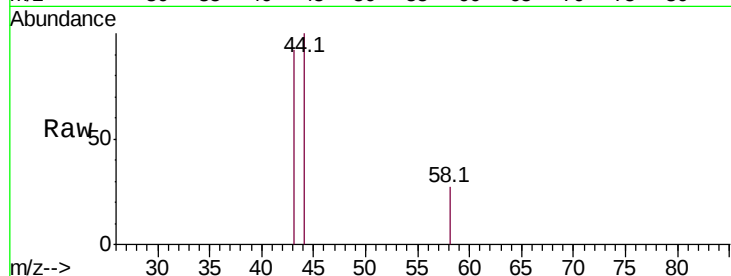
CPA-CPMW09S-M16W4-11-27-18

Tot Ion: 43 Resp: 716

Ion Ratio Lower Upper

43 100

58 28.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

500

400

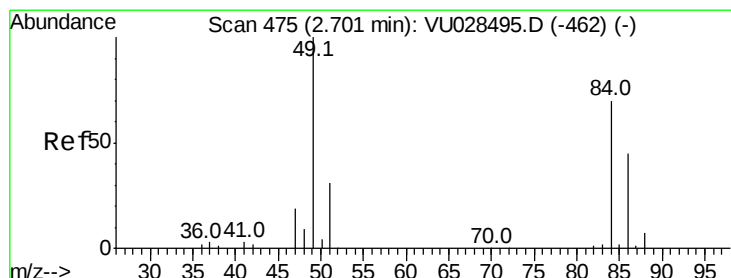
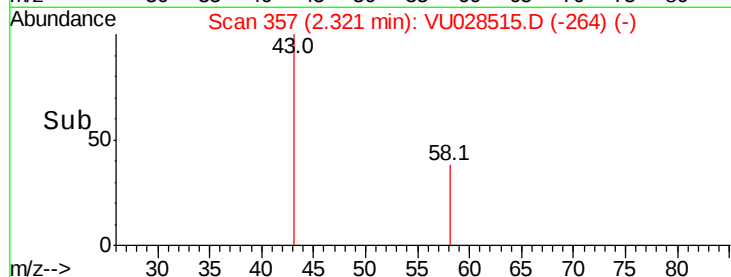
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.298 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Tgt Ion: 84 Resp: 416

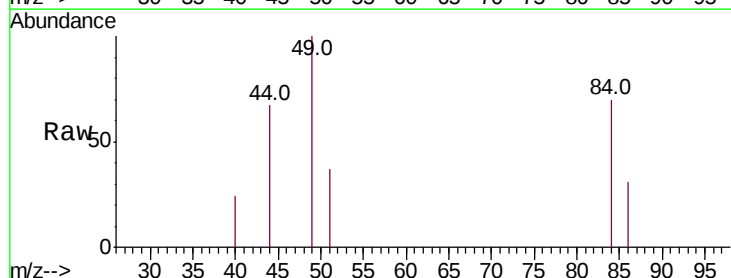
Ion Ratio Lower Upper

84 100

49 142.1 114.0 171.0

51 52.4 35.1 52.7

86 44.7 51.0 76.6#



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

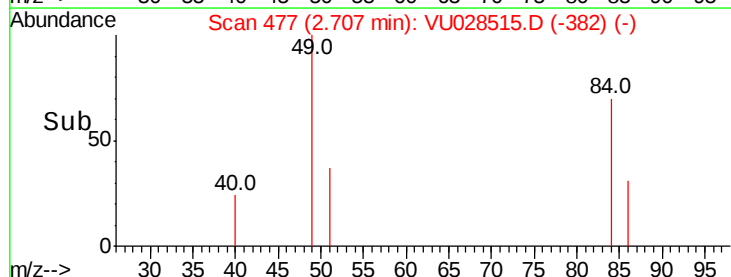
600

400

200

0

Time-->

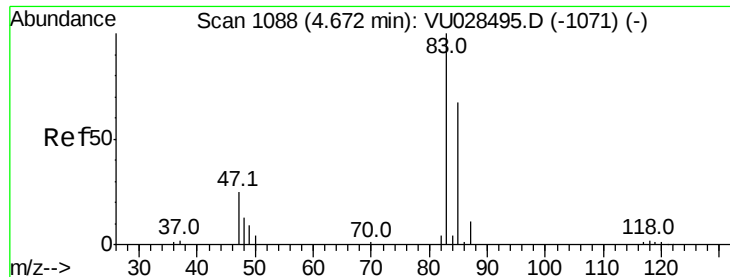


2.71

2.68

2.70

2.72



#30

Chloroform

Concen: 1.597 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

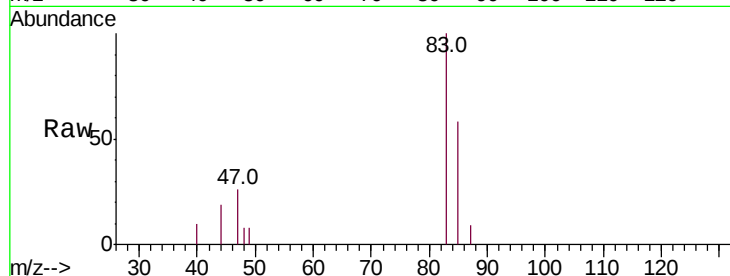
CPA-CPMW09S-M16W4-11-27-18

Tot Ion: 83 Resp: 3543

Ion Ratio Lower Upper

83 100

85 58.0 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU028515.D (-995) (-)

Ion 84.90 (84.60 to 85.60): VU028515.D (-995) (-)

4.68

1500

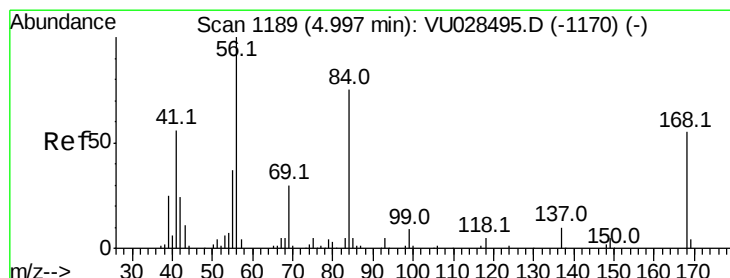
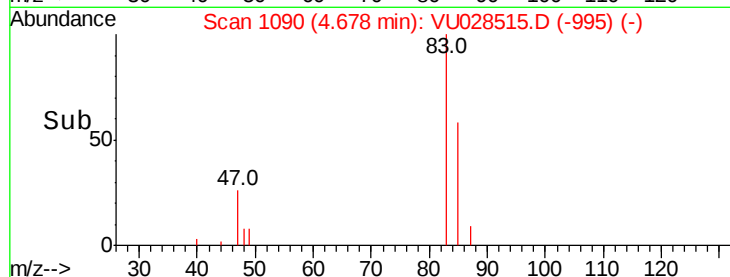
1000

500

0

4.60 4.65 4.70 4.75

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

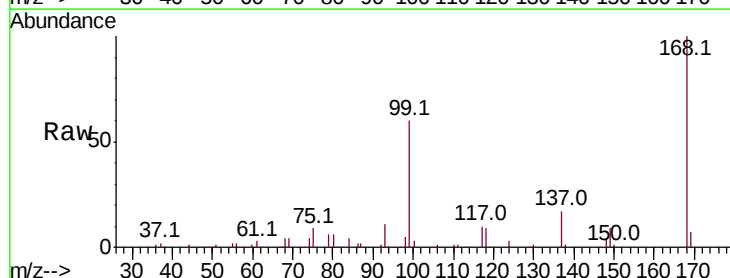
Tgt Ion: 56 Resp: 1931

Ion Ratio Lower Upper

56 100

69 179.2 24.0 36.0#

84 181.7 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU028515.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU028515.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU028515.D (-1096) (-)

4.98

2500

2000

1500

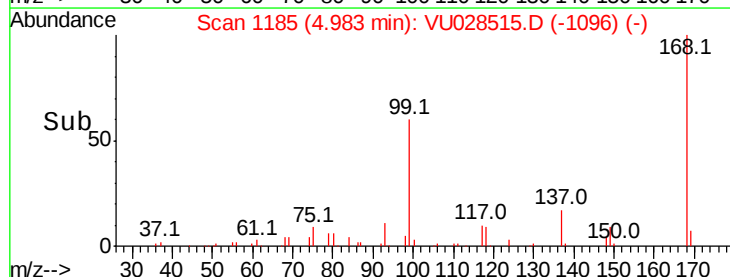
1000

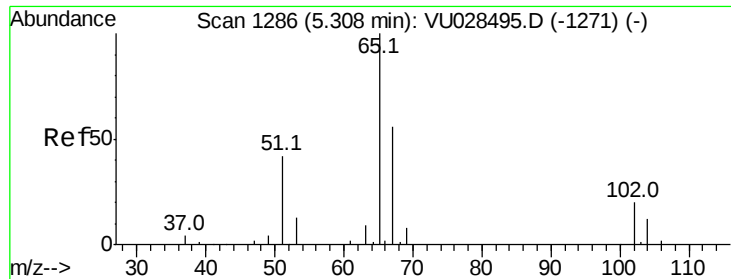
500

0

4.95 5.00

Time-->

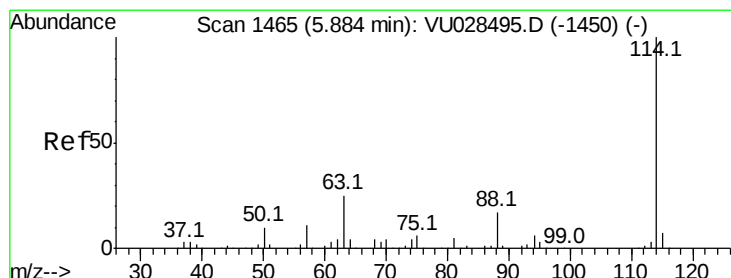
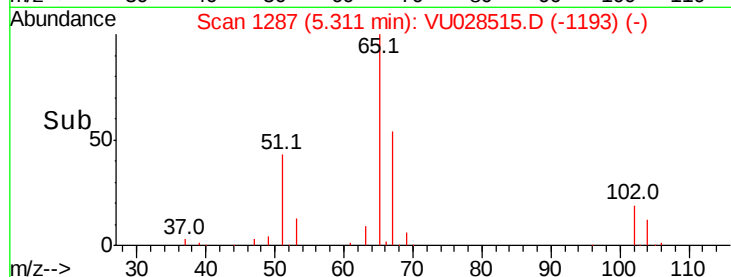
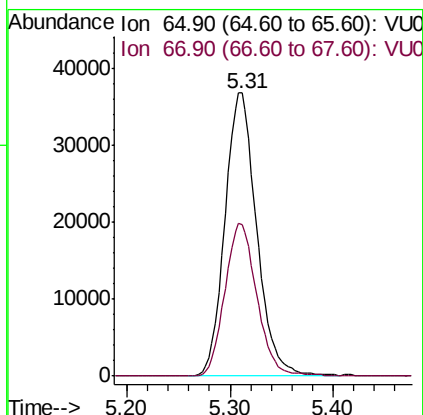
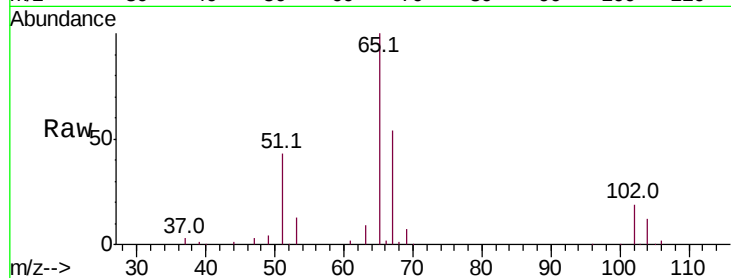




#33
 1,2-Dichloroethane-d4
 Concen: 54.575 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU028515.D
 Acq: 06 Dec 2018 20:50

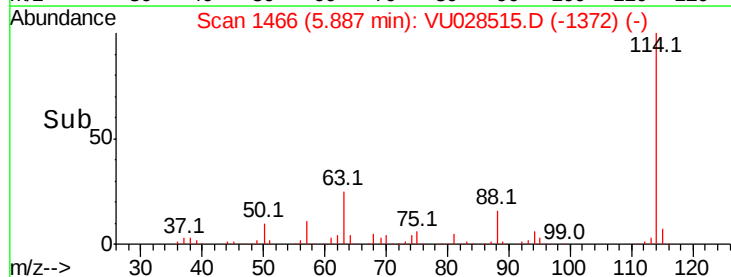
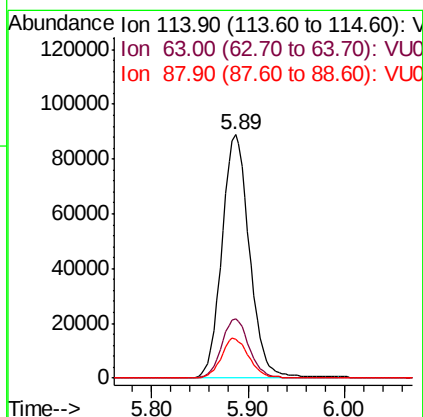
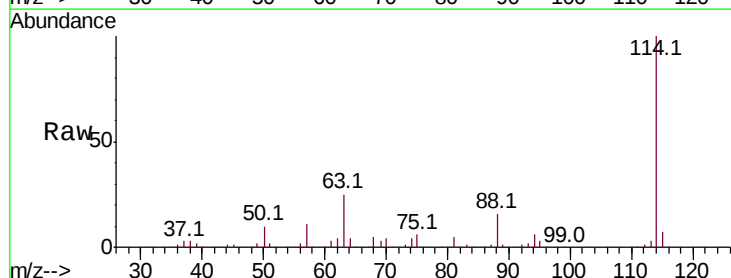
Instrument :
 MSVOA_U
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 CPA-CPMW09S-M16W4-11-27-18

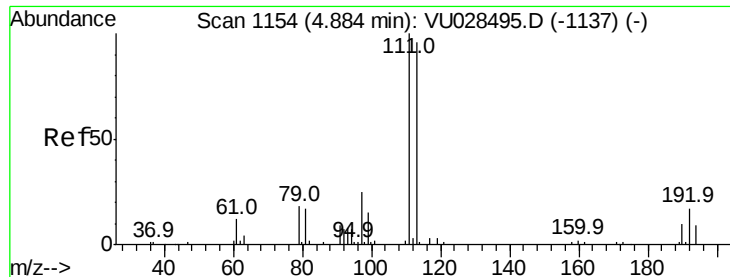
Tot Ion: 65 Resp: 79072
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028515.D
 Acq: 06 Dec 2018 20:50

Tgt Ion: 114 Resp: 176656
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.2 0.0 33.4

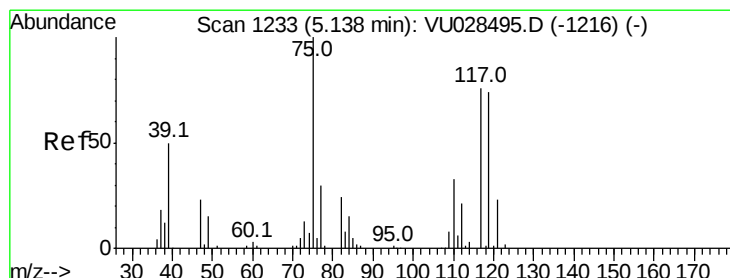
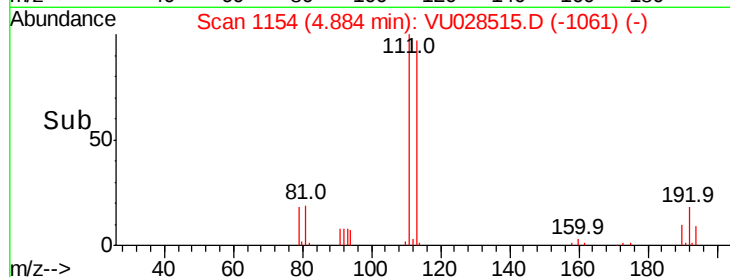
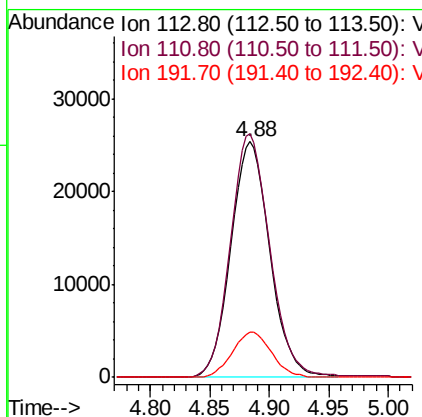
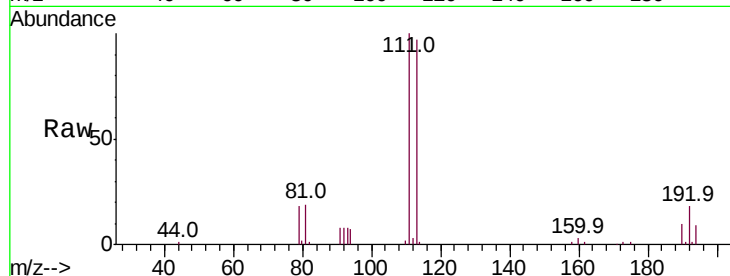




#35
 Dibromofluoromethane
 Concen: 51.991 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028515.D
 Acq: 06 Dec 2018 20:50

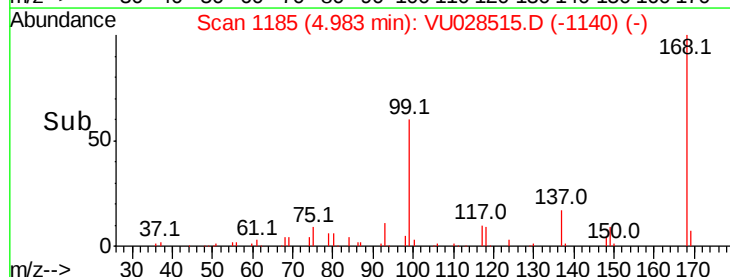
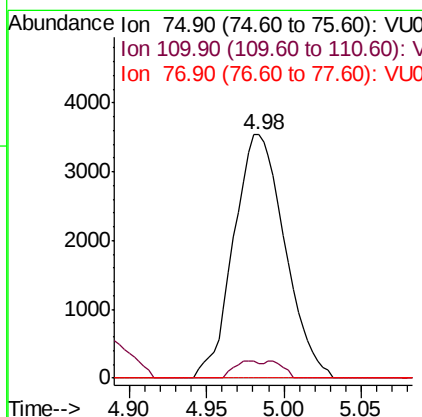
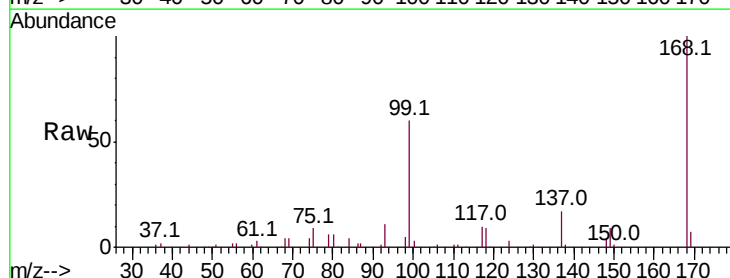
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09S-M16W4-11-27-18

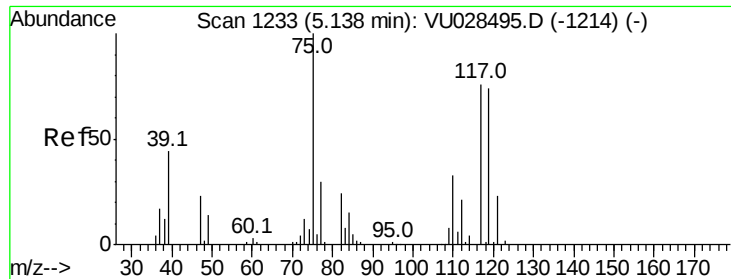
Tot Ion:113 Resp: 57799
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.0
 192 19.2 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.201 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028515.D
 Acq: 06 Dec 2018 20:50

Tgt Ion: 75 Resp: 8121
 Ion Ratio Lower Upper
 75 100
 110 3.8 16.1 48.2#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.144 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09S-M16W4-11-27-18

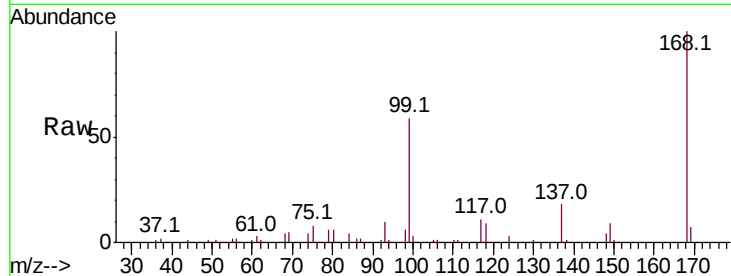
Tot Ion:117 Resp: 9573

Ion Ratio Lower Upper

117 100

119 3.7 77.6 116.4#

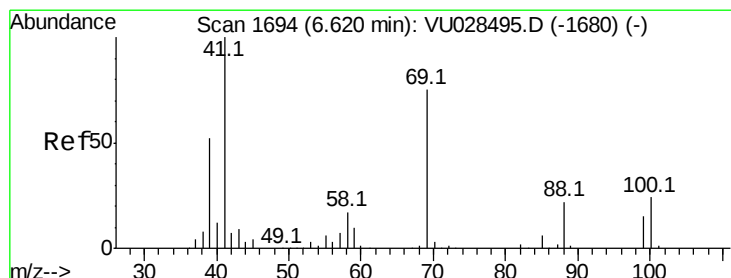
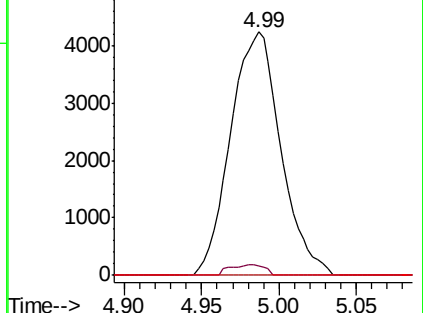
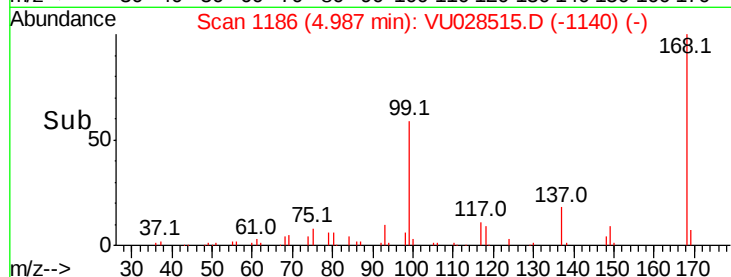
121 0.0 24.6 36.8#



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



#48

Methyl methacrylate

Concen: 0.381 ug/l

RT: 6.82 min Scan# 1757

Delta R.T. 0.20 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

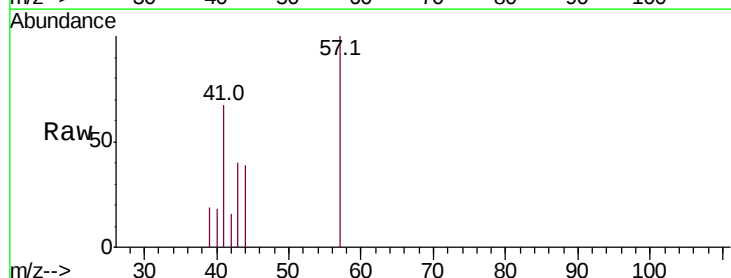
Tgt Ion: 41 Resp: 748

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

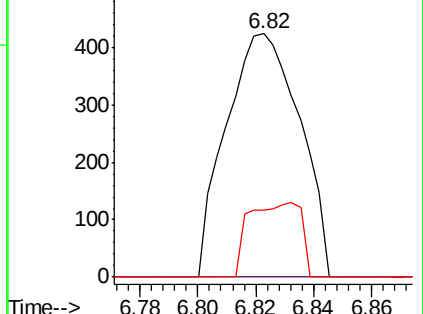
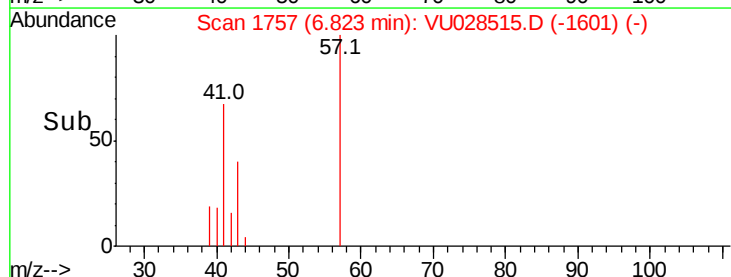
39 21.7 41.1 61.7#

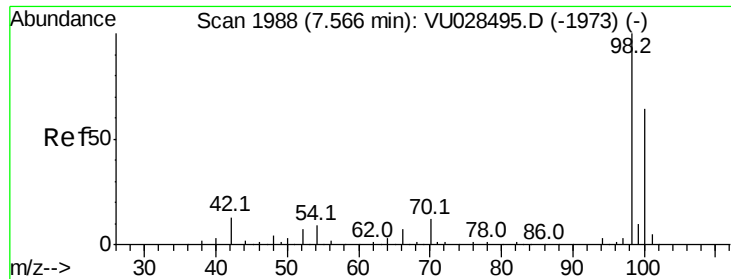


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 53.352 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

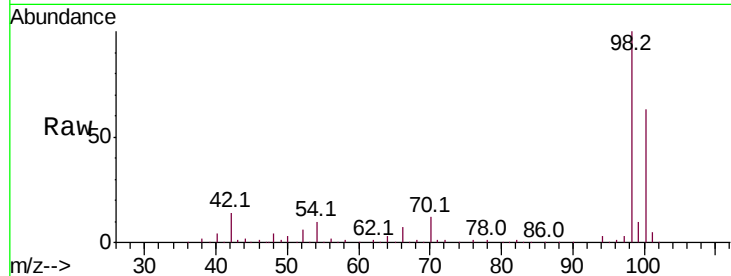
CPA-CPMW09S-M16W4-11-27-18

Tot Ion: 98 Resp: 234627

Ion Ratio Lower Upper

98 100

100 63.7 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

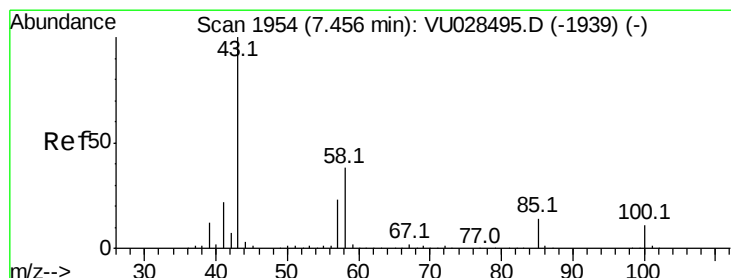
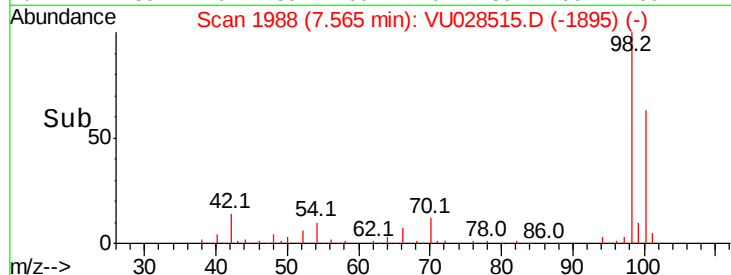
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.516 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028515.D

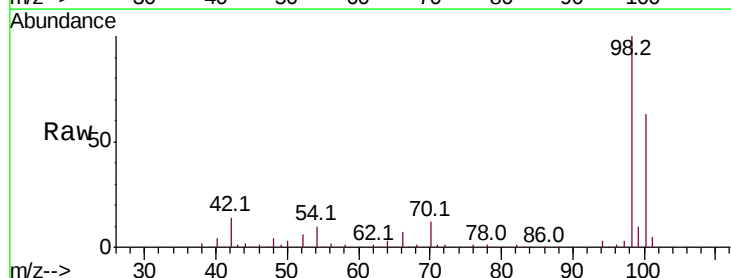
Acq: 06 Dec 2018 20:50

Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 178.6 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

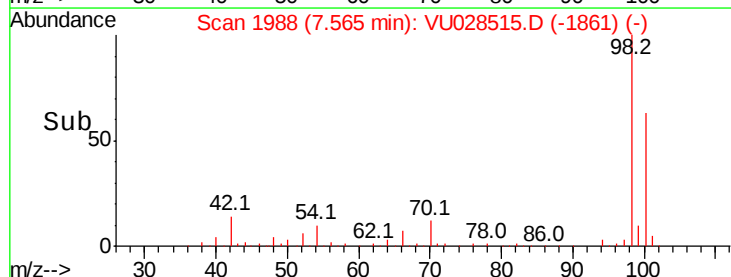
1500

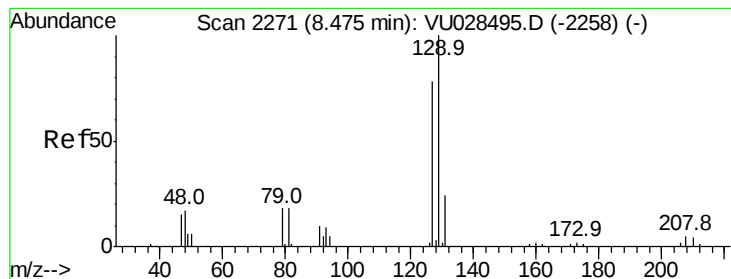
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 6.059 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

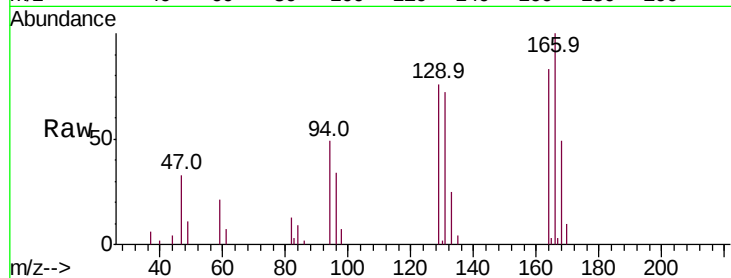
CPA-CPMW09S-M16W4-11-27-18

Tot Ion:129 Resp: 7857

Ion Ratio Lower Upper

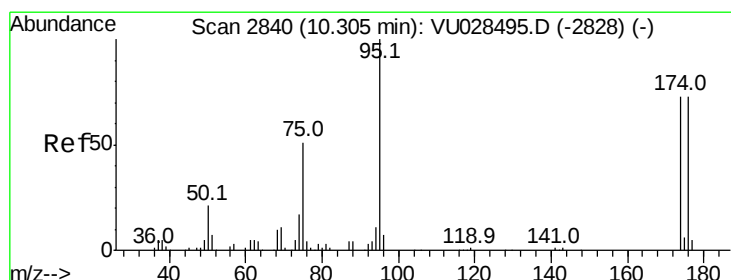
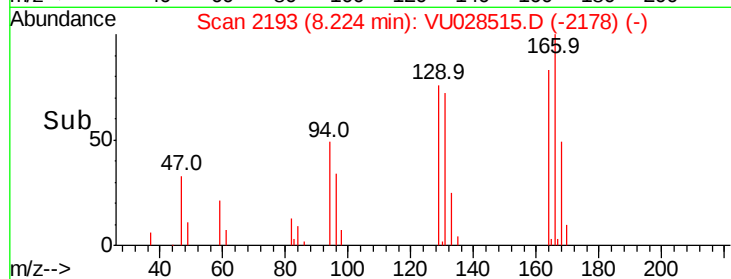
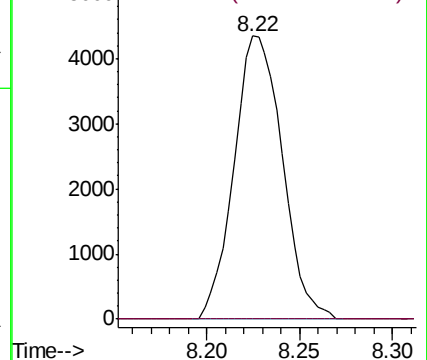
129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 50.668 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

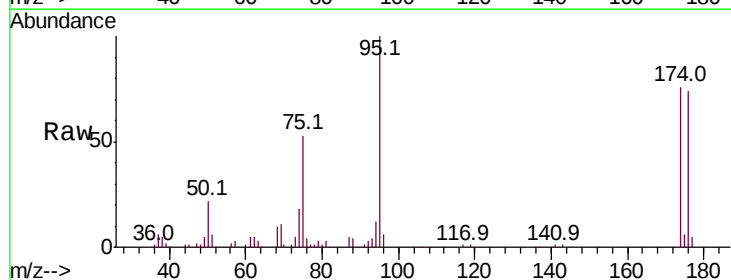
Tgt Ion: 95 Resp: 83284

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.4

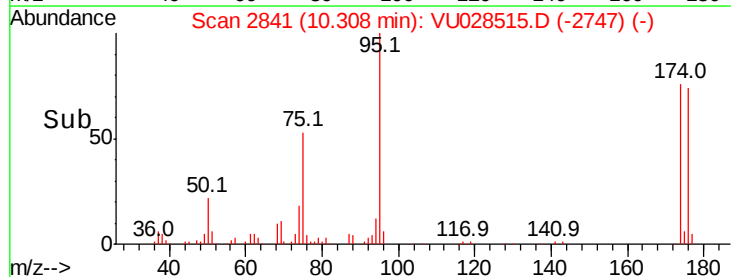
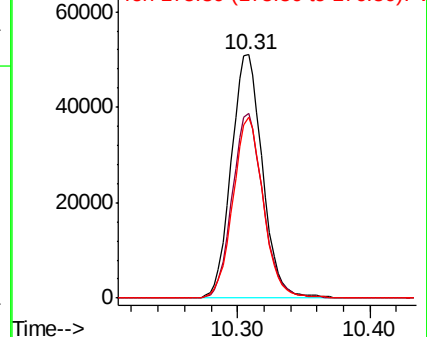
176 72.1 0.0 145.2

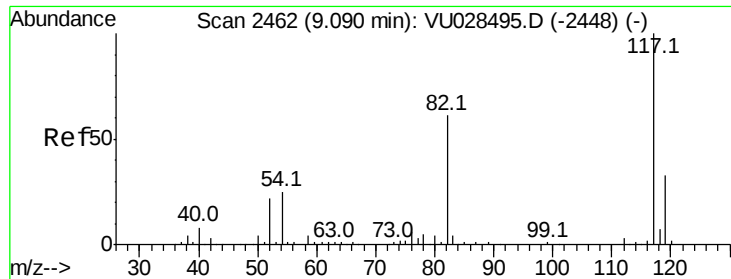


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

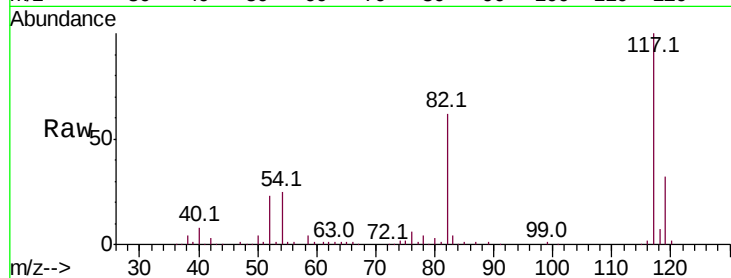




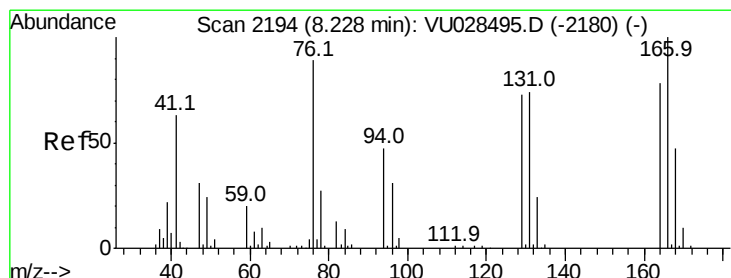
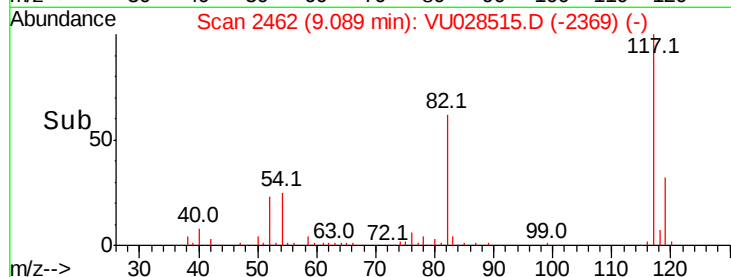
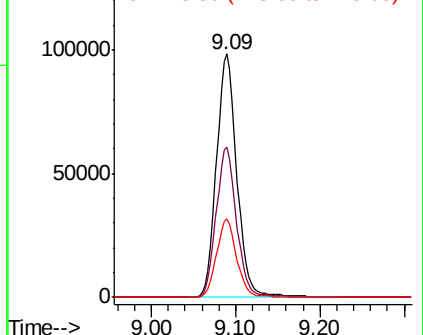
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028515.D
Acq: 06 Dec 2018 20:50

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09S-M16W4-11-27-18

Tot Ion:117 Resp: 165883
Ion Ratio Lower Upper
117 100
82 61.7 48.9 73.3
119 32.0 26.2 39.4

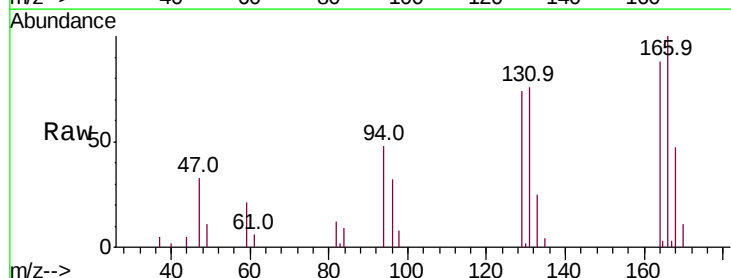


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

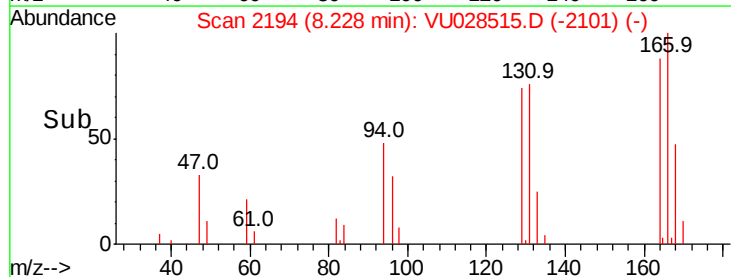
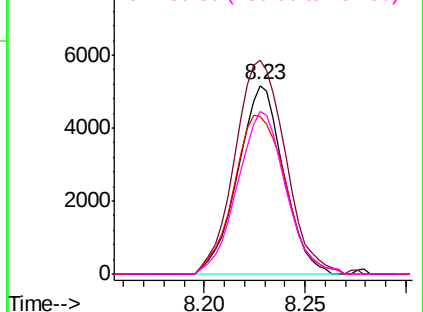


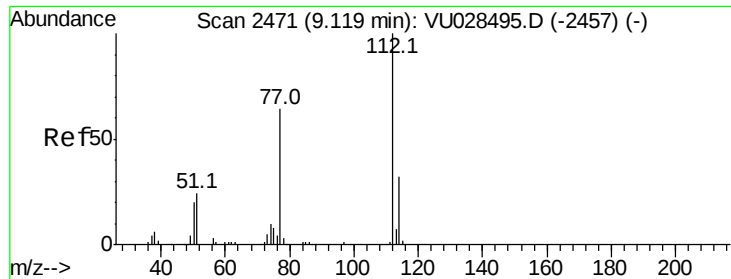
#64
Tetrachloroethene
Concen: 7.446 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028515.D
Acq: 06 Dec 2018 20:50

Tgt Ion:164 Resp: 8239
Ion Ratio Lower Upper
164 100
166 113.5 101.9 152.9
129 83.9 74.9 112.3
131 86.1 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





#65

Chlorobenzene

Concen: 0.334 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

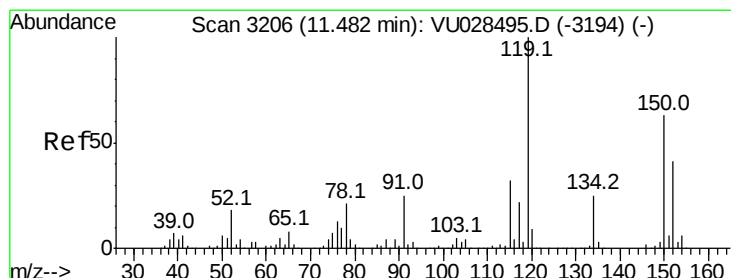
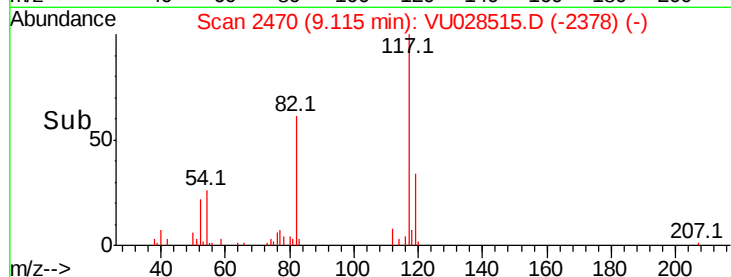
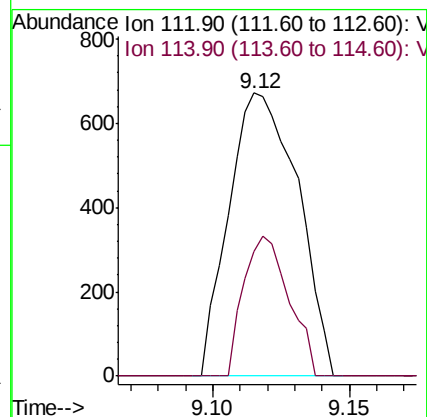
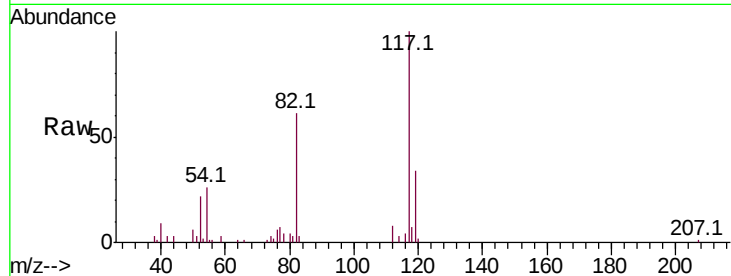
CPA-CPMW09S-M16W4-11-27-18

Tot Ion:112 Resp: 1181

Ion Ratio Lower Upper

112 100

114 44.2 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: VU028515.D

Acq: 06 Dec 2018 20:50

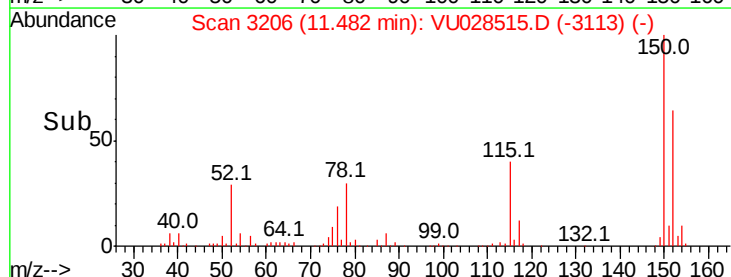
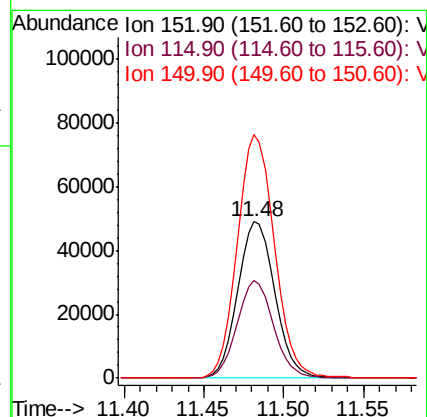
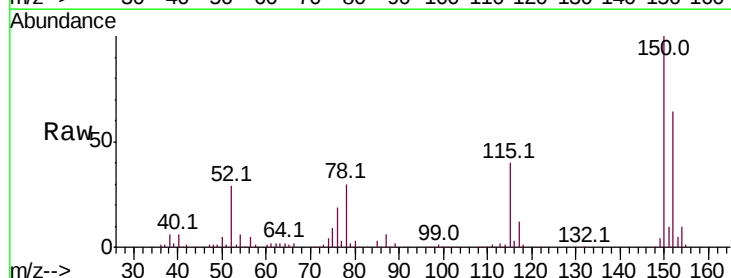
Tgt Ion:152 Resp: 77485

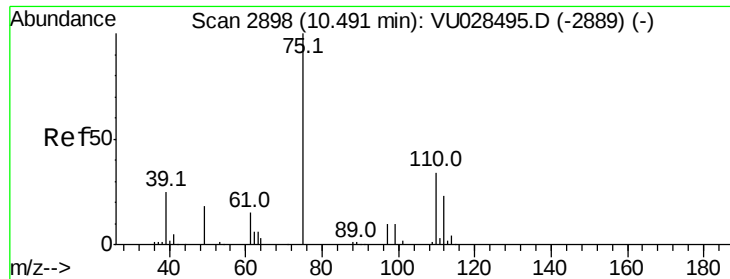
Ion Ratio Lower Upper

152 100

115 61.3 42.7 128.1

150 156.1 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 22.306 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

Instrument :

MSVOA_U

ClientSampleId :

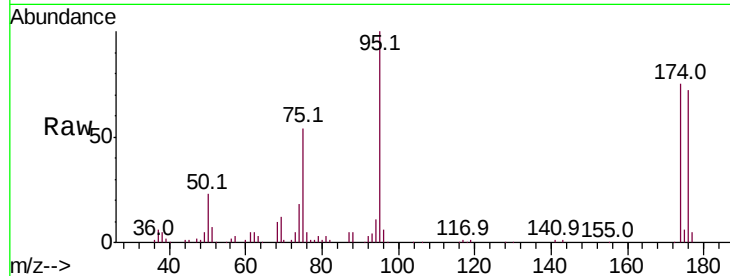
CPA-CPMW09S-M16W4-11-27-18

Tot Ion: 75 Resp: 44134

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

10.30

25000

20000

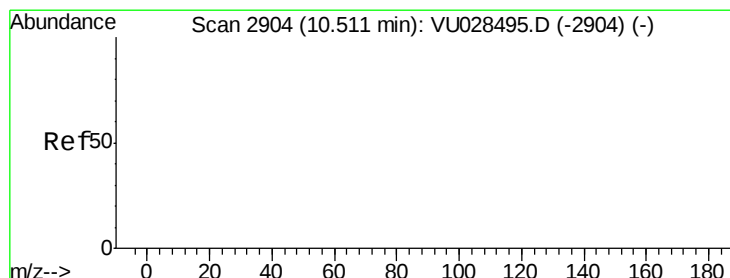
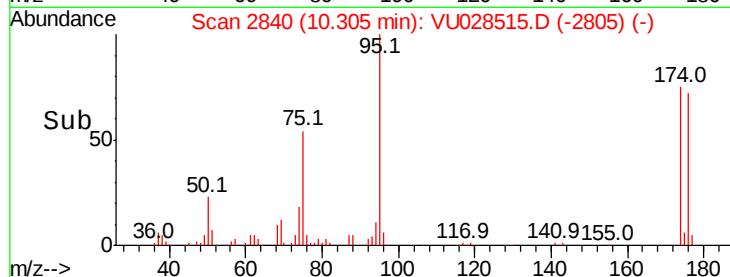
15000

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.792 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028515.D

Acq: 06 Dec 2018 20:50

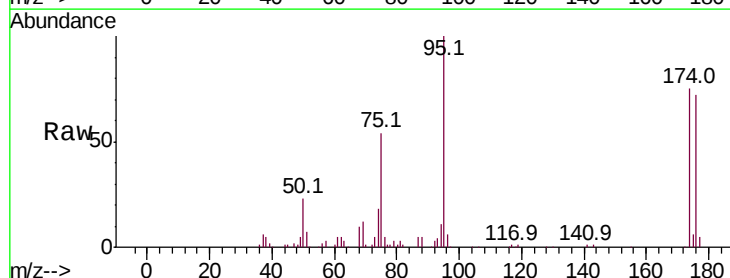
Tgt Ion: 75 Resp: 44134

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.30

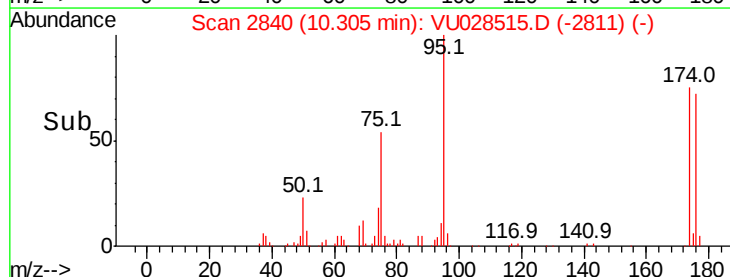
30000

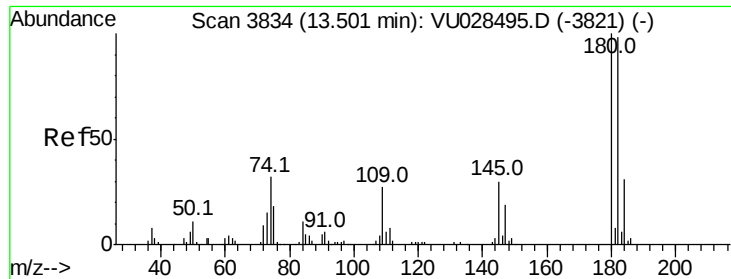
20000

10000

0

Time-->

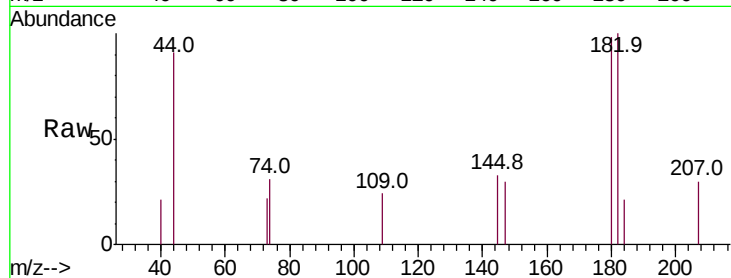




#93
 1,2,4-Trichlorobenzene
 Concen: 1.457 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU028515.D
 Acq: 06 Dec 2018 20:50

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09S-M16W4-11-27-18

Tot Ion:180 Resp: 1126
 Ion Ratio Lower Upper
 180 100
 182 89.7 47.9 143.8
 145 20.8 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

