

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028508.D
 Acq On : 06 Dec 2018 18:08
 Operator : MD/SY
 Sample : J6252-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M16W4-11-28-18

Quant Time: Dec 07 06:16:34 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	4.99	168	99010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	186972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	173430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80738	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	82602	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
35) Dibromofluoromethane	4.88	113	61122	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	7.57	98	241183	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	10.31	95	87887	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

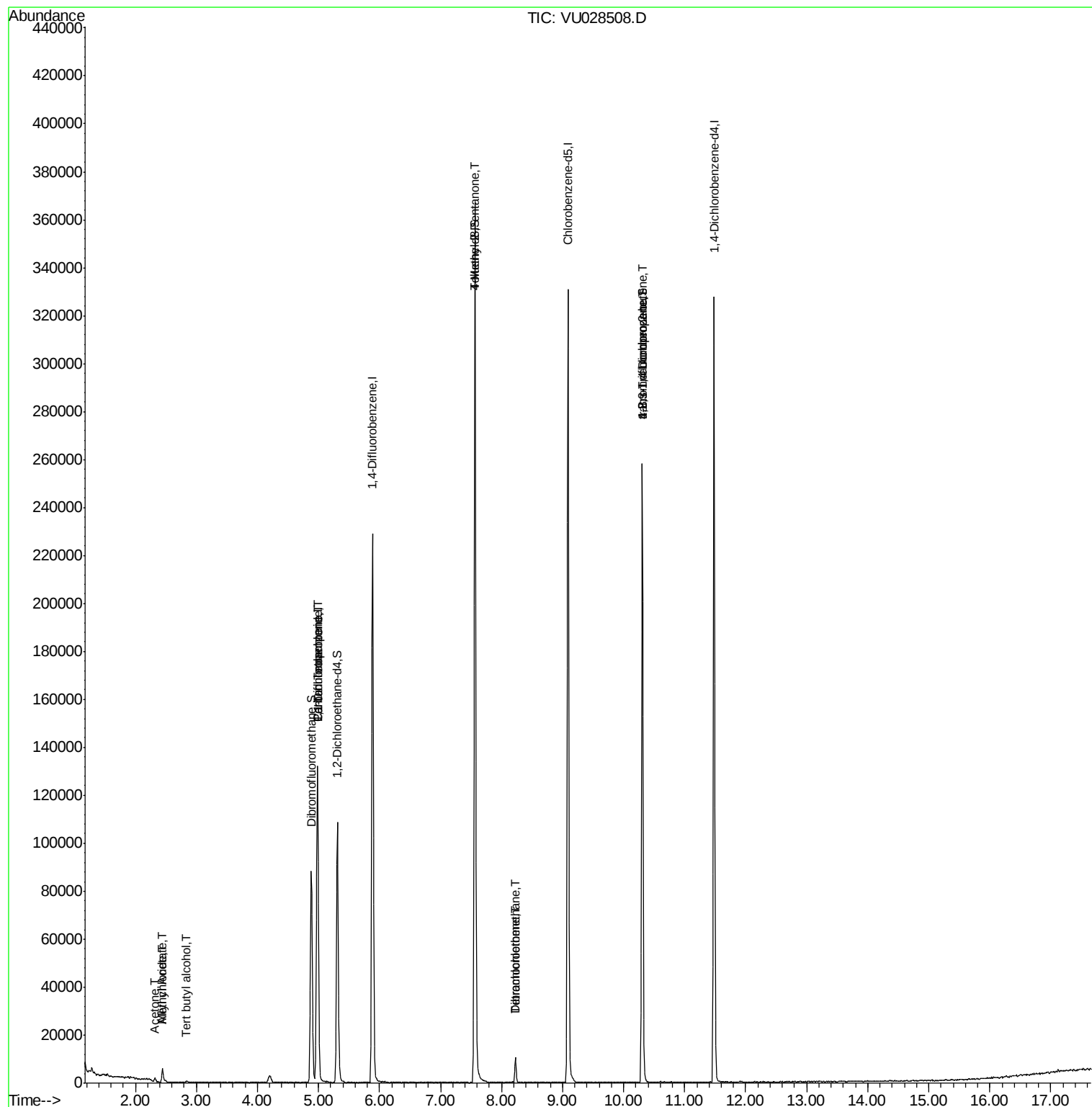
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	103	0.306	ug/l #	73
14) Allyl chloride	2.44	41	574	0.220	ug/l #	78
16) Acetone	2.32	43	1737	1.762	ug/l	95
18) Methyl Acetate	2.44	43	1390	0.544	ug/l #	56
31) Cyclohexane	4.98	56	2512	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8901	4.350	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9968	6.045	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1159	0.439	ug/l #	1
60) Dibromochloromethane	8.23	129	2069	1.507	ug/l #	10
64) Tetrachloroethene	8.23	164	2347	2.029	ug/l	87
76) 1,2,3-Trichloropropane	10.31	75	46527	22.568	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46527	55.429	ug/l #	100

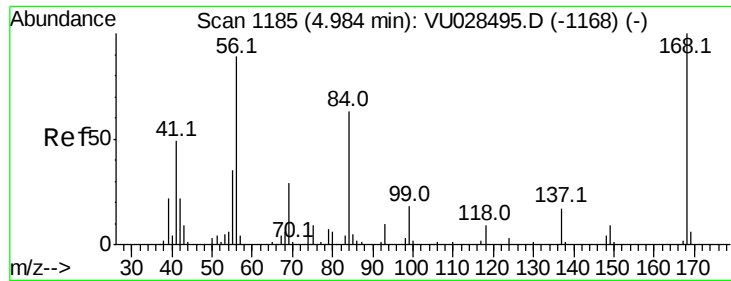
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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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: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

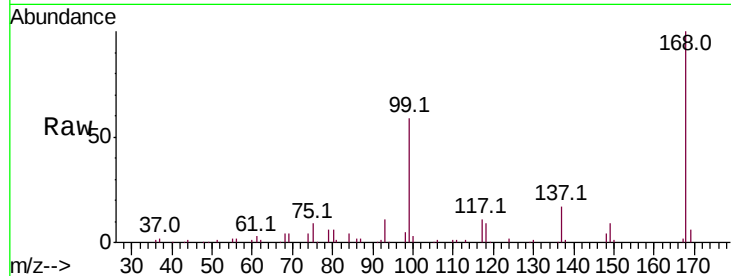
CPA-CPMW05D-M16W4-11-28-18

Tot Ion:168 Resp: 99010

Ion Ratio Lower Upper

168 100

99 58.8 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028508.D (-1092) (-)

4.99

50000

40000

30000

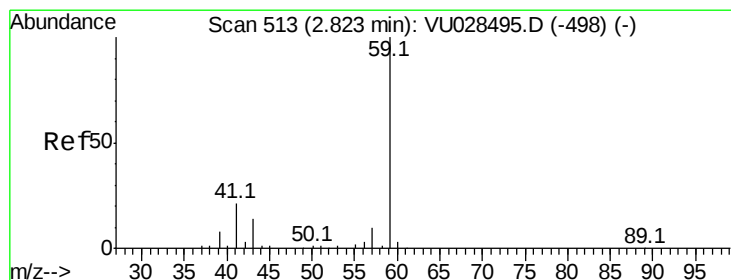
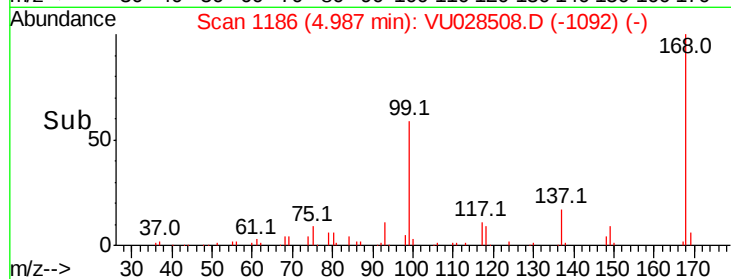
20000

10000

0

Time-->

4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 2.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU028508.D

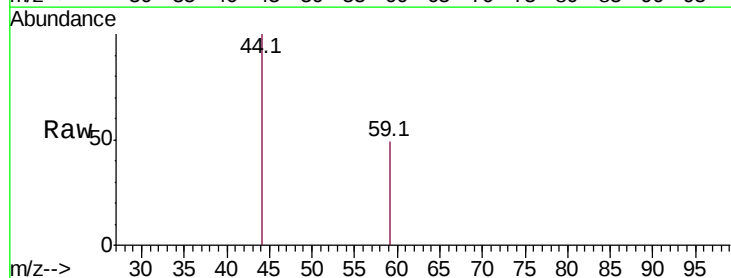
Acq: 06 Dec 2018 18:08

Tgt Ion: 59 Resp: 103

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): VU028508.D (-420) (-)

2.82

150

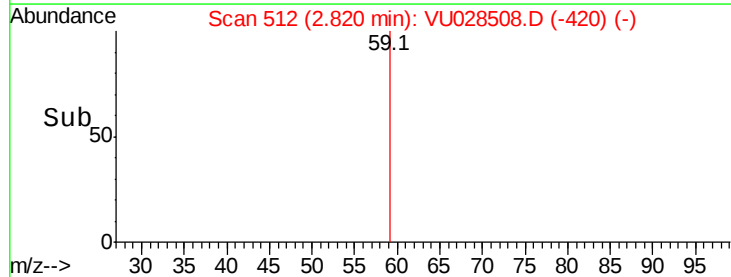
100

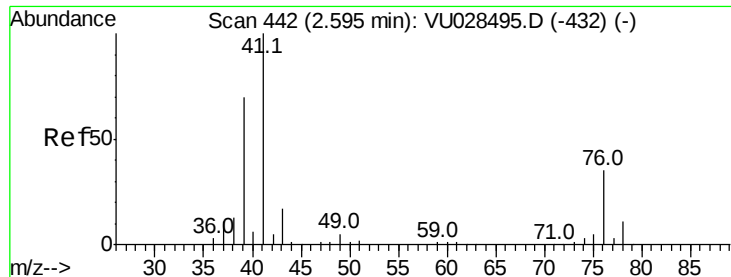
50

0

Time-->

2.81 2.82 2.83





#14

Allvl chloride

Concen: 0.220 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M16W4-11-28-18

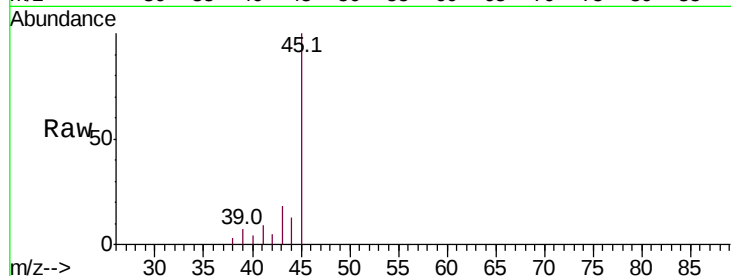
Tot Ion: 41 Resp: 574

Ion Ratio Lower Upper

41 100

39 68.1 50.8 76.2

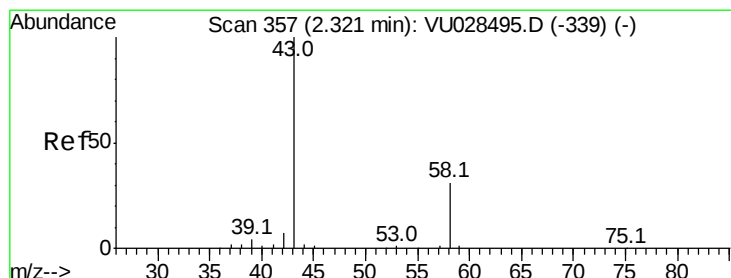
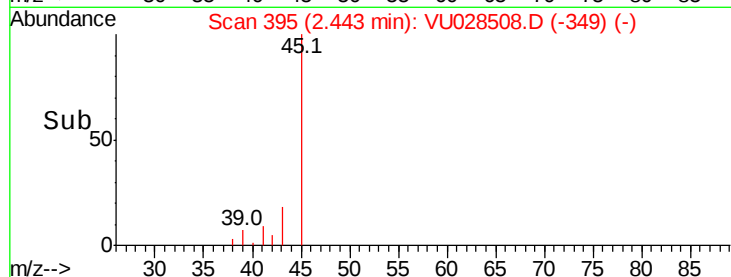
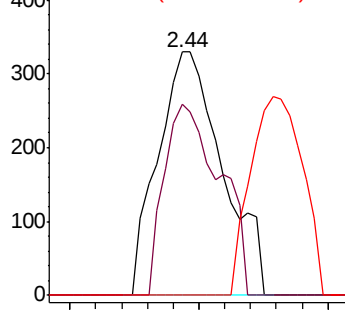
76 0.0 24.8 37.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 1.762 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028508.D

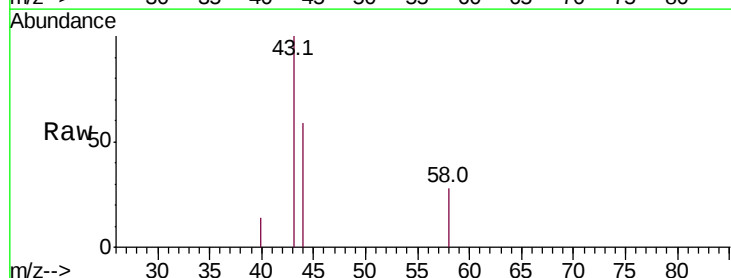
Acq: 06 Dec 2018 18:08

Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

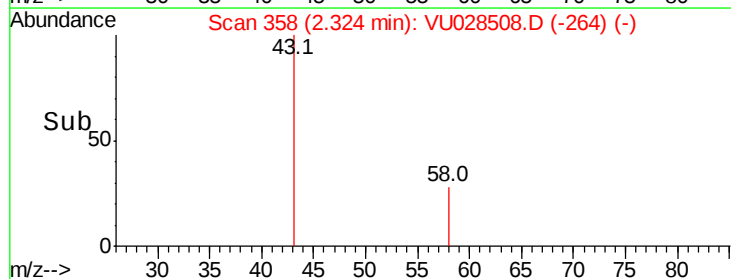
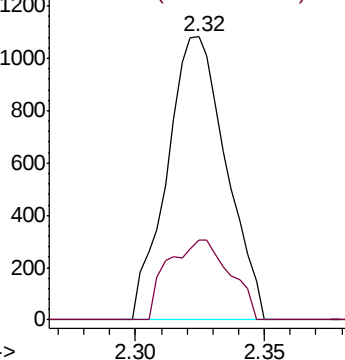
43 100

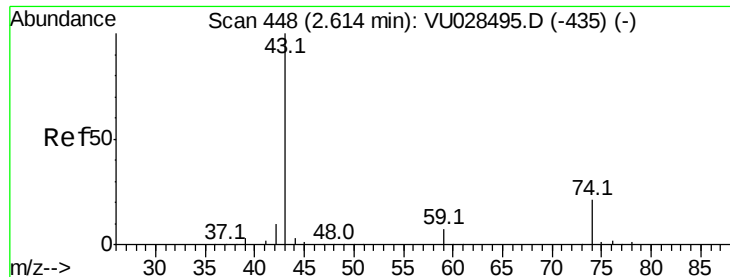
58 28.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#18

Methvl Acetate

Concen: 0.544 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

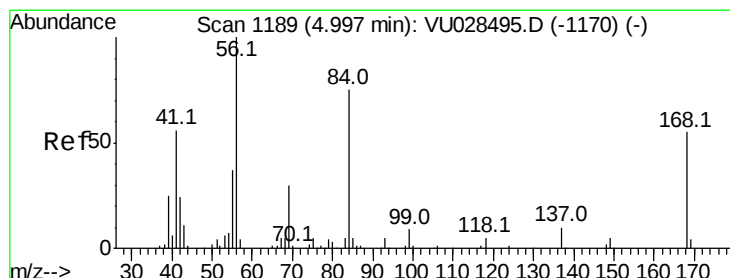
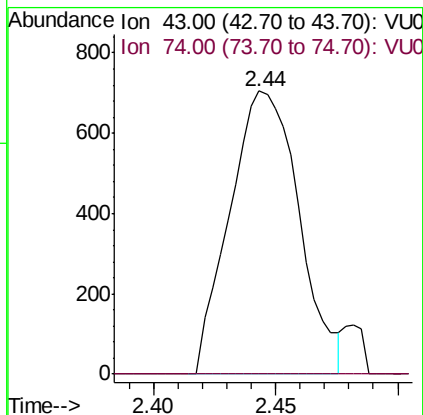
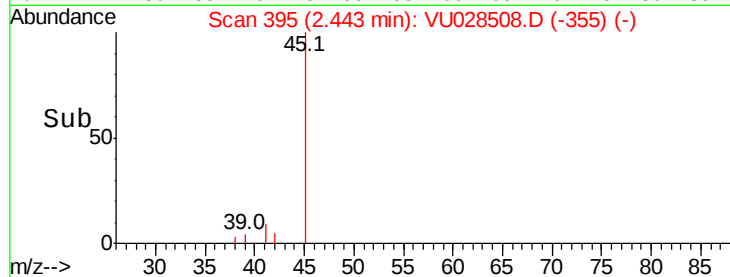
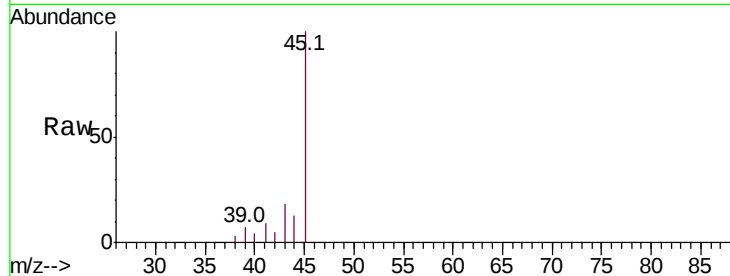
CPA-CPMW05D-M16W4-11-28-18

Tot Ion: 43 Resp: 1390

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

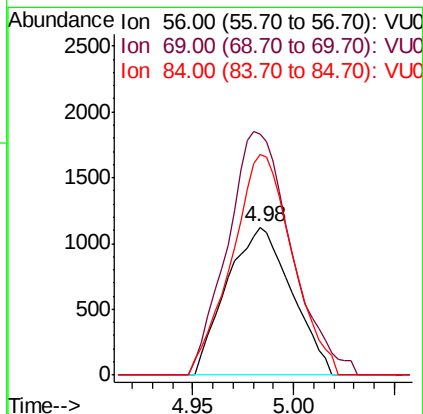
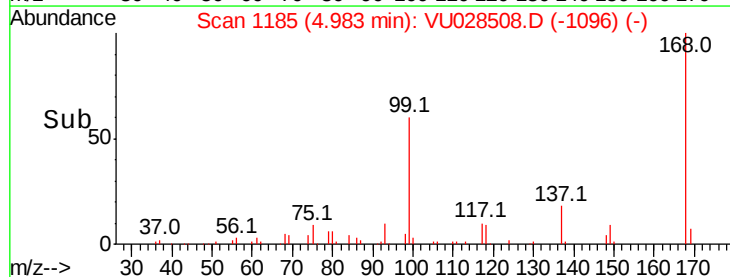
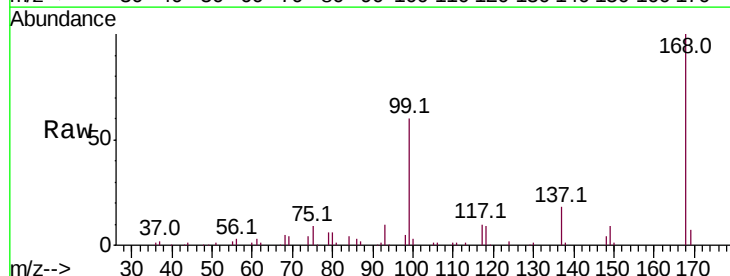
Tgt Ion: 56 Resp: 2512

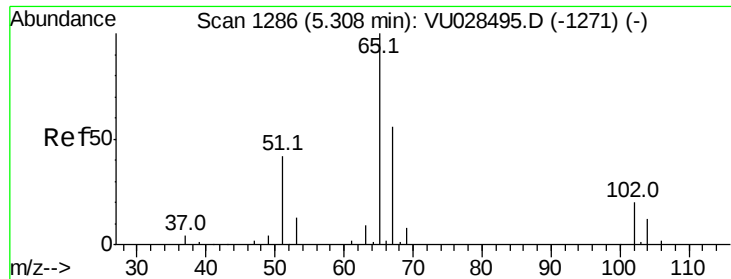
Ion Ratio Lower Upper

56 100

69 163.1 24.0 36.0#

84 149.5 59.7 89.5#

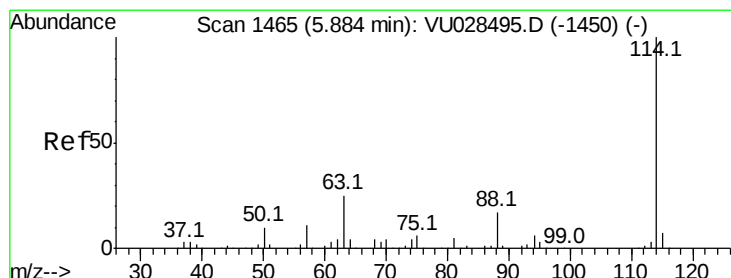
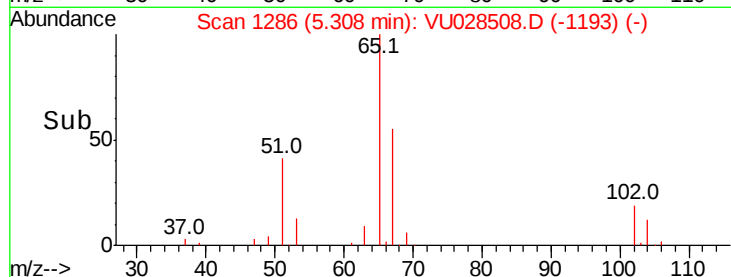
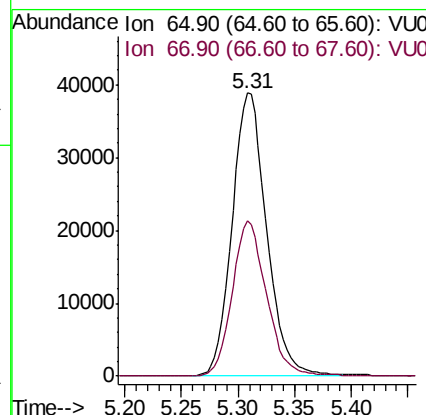
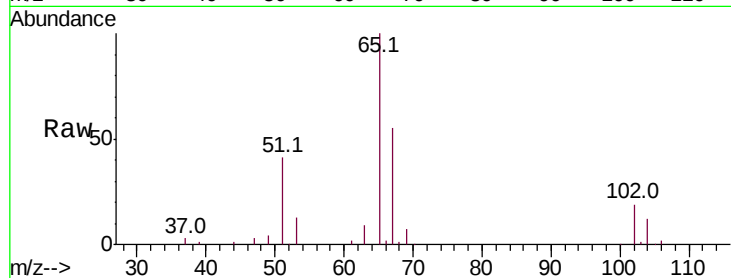




#33
 1,2-Dichloroethane-d4
 Concen: 54.669 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

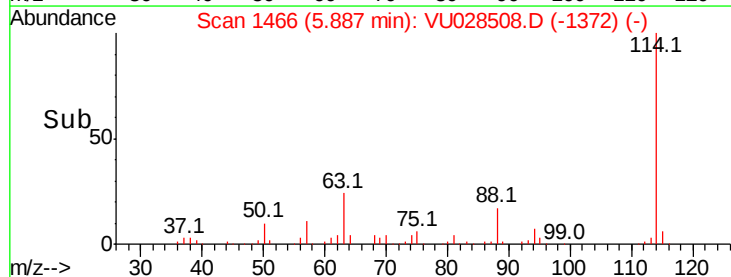
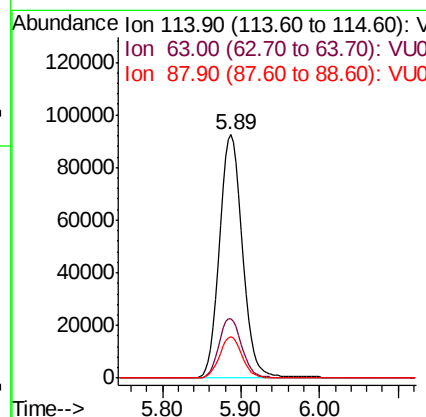
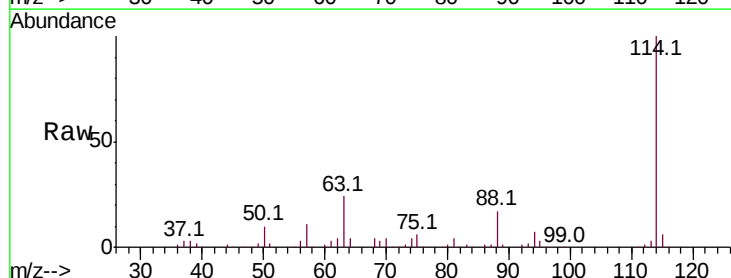
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 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M16W4-11-28-18

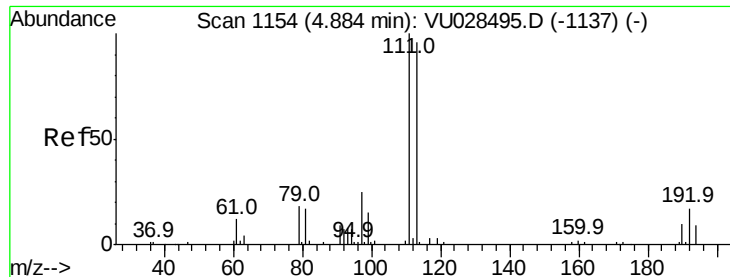
Tot Ion: 65 Resp: 82602
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

Tgt Ion: 114 Resp: 186972
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.9 0.0 33.4

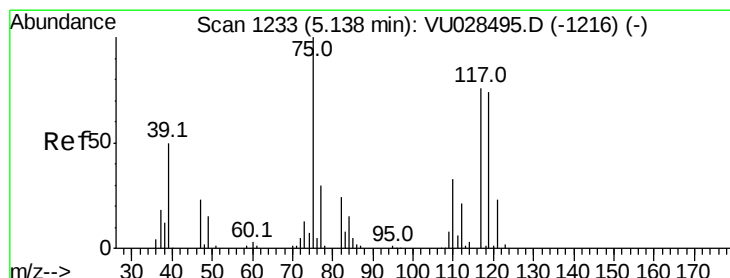
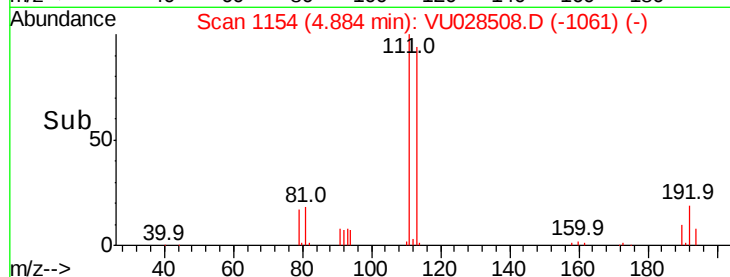
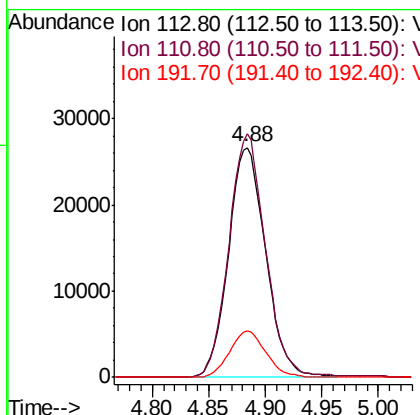
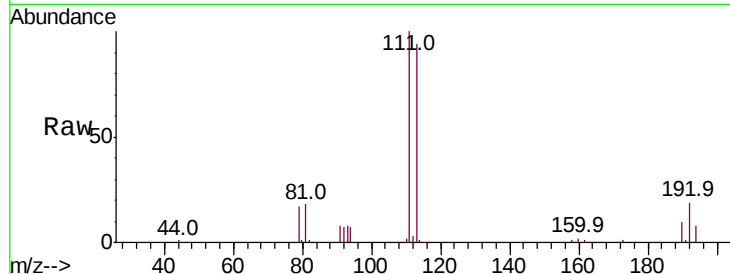




#35
 Dibromofluoromethane
 Concen: 51.947 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

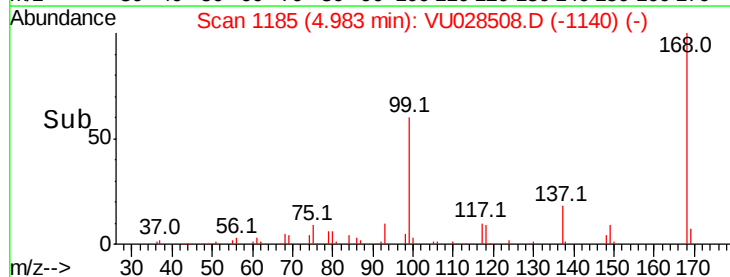
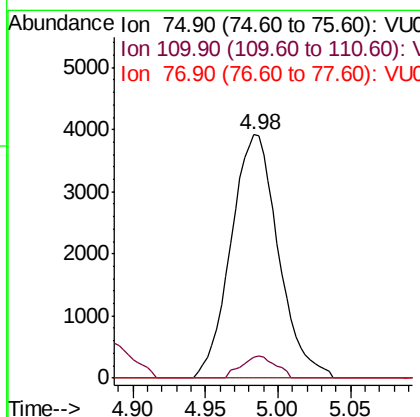
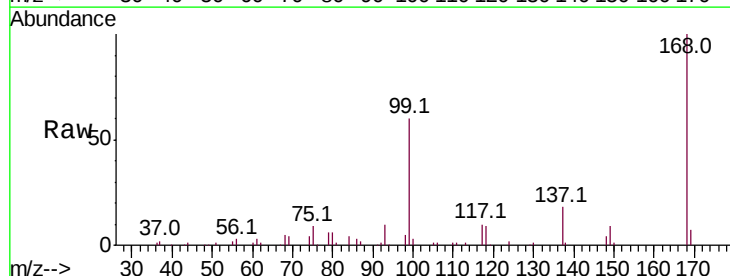
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M16W4-11-28-18

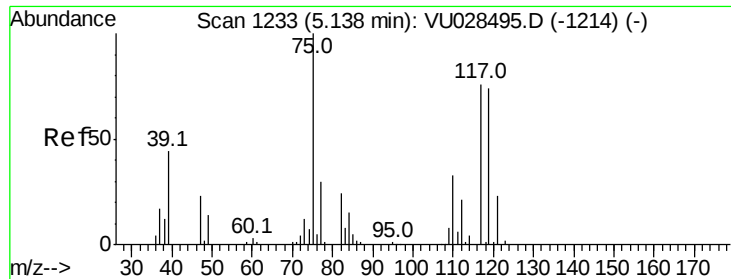
Tot Ion:113 Resp: 61122
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.0
 192 19.7 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

Tgt Ion: 75 Resp: 8901
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.1 48.2#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M16W4-11-28-18

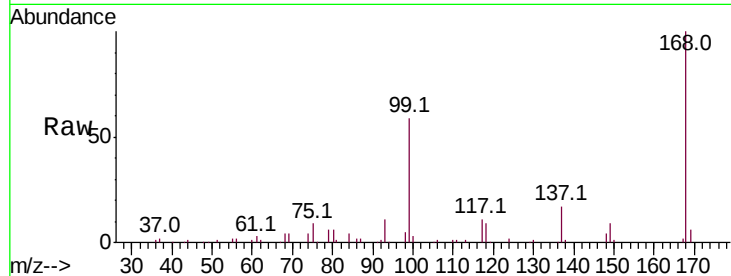
Tot Ion:117 Resp: 9968

Ion Ratio Lower Upper

117 100

119 3.9 77.6 116.4#

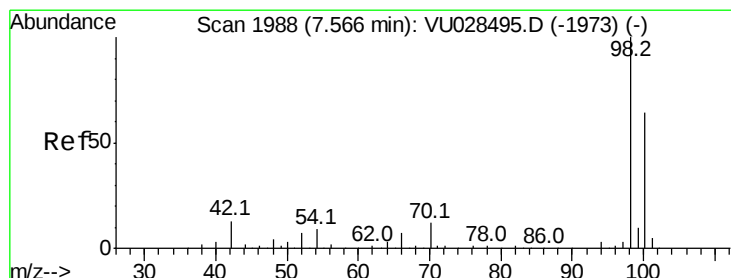
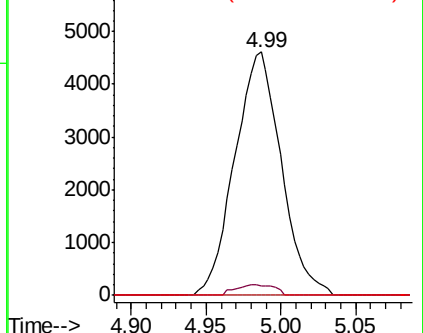
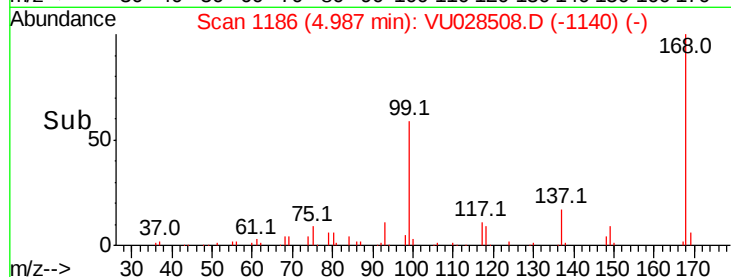
121 0.0 24.6 36.8#



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: 51.817 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028508.D

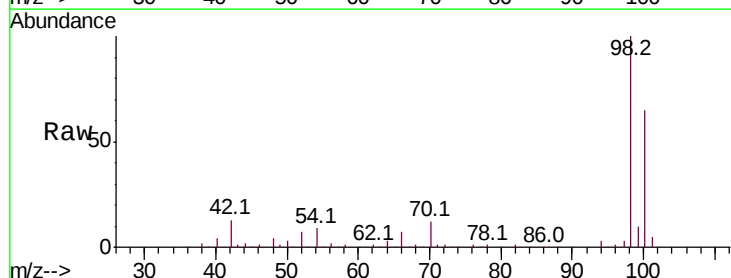
Acq: 06 Dec 2018 18:08

Tgt Ion: 98 Resp: 241183

Ion Ratio Lower Upper

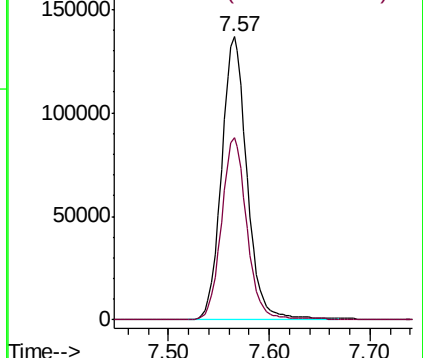
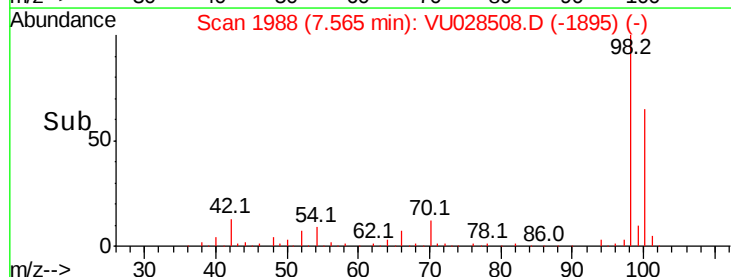
98 100

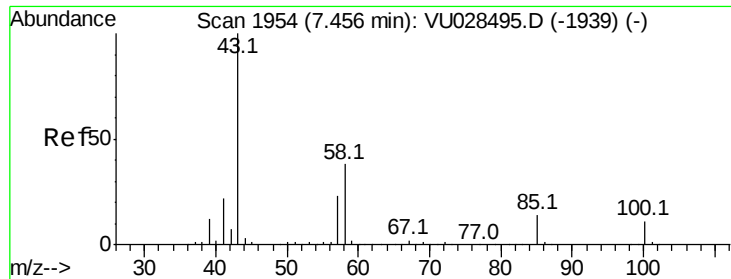
100 64.4 51.0 76.6



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: 0.439 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

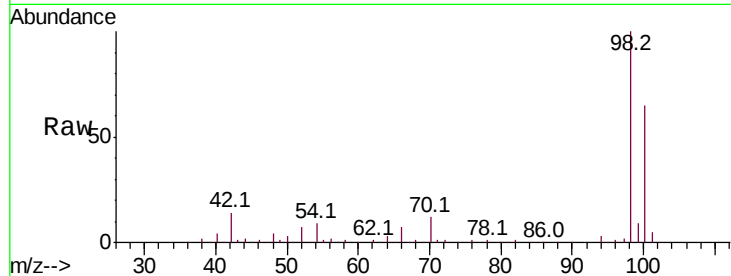
CPA-CPMW05D-M16W4-11-28-18

Tot Ion: 43 Resp: 1159

Ion Ratio Lower Upper

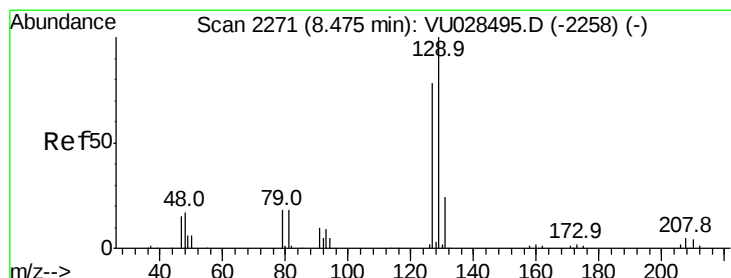
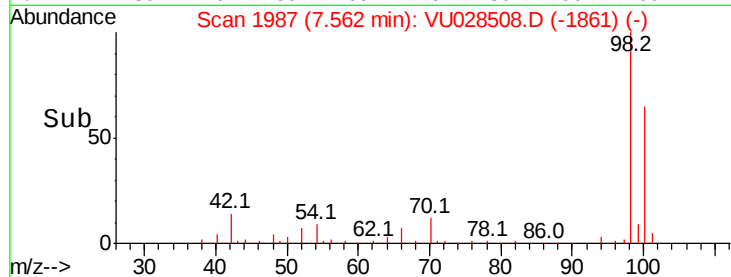
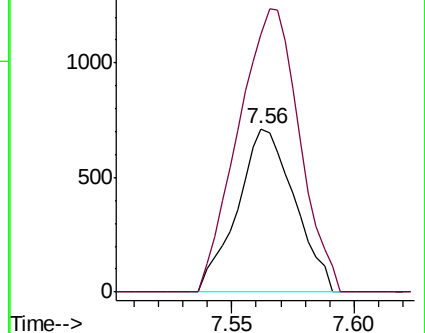
43 100

58 185.7 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028508.D (-1987) (-)

Ion 58.00 (57.70 to 58.70): VU028508.D (-1987) (-)



#60

Dibromochloromethane

Concen: 1.507 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028508.D

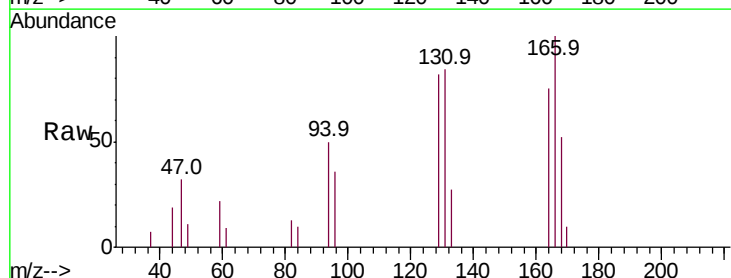
Acq: 06 Dec 2018 18:08

Tgt Ion: 129 Resp: 2069

Ion Ratio Lower Upper

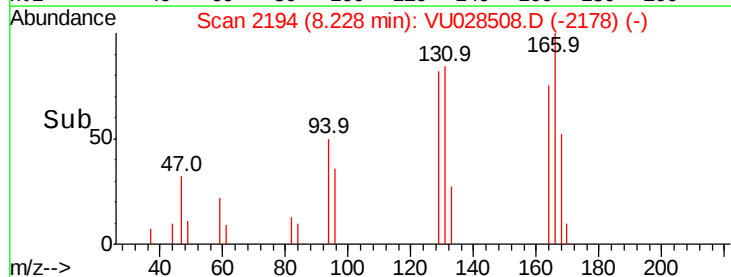
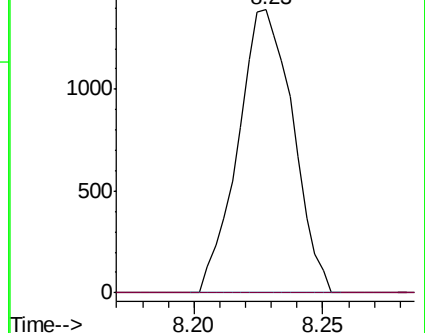
129 100

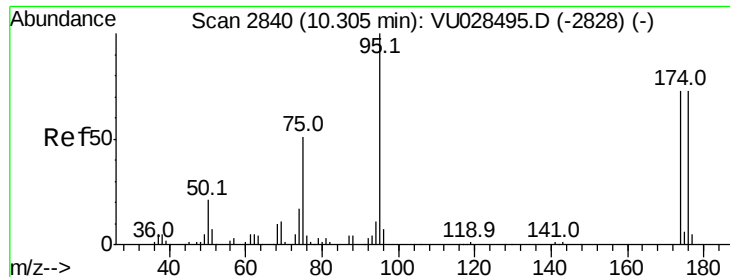
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028508.D (-2194) (-)

Ion 126.80 (126.50 to 127.50): VU028508.D (-2194) (-)





#62

4-Bromofluorobenzene

Concen: 50.519 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M16W4-11-28-18

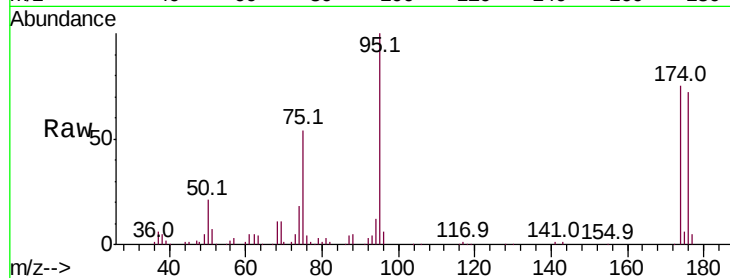
Tot Ion: 95 Resp: 87887

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	150.4
176	71.6	0.0	145.2

95 100

174 73.5 0.0 150.4

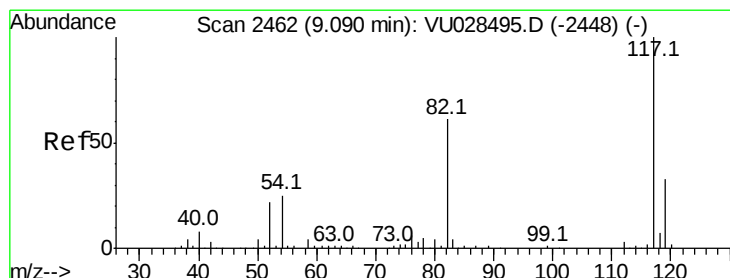
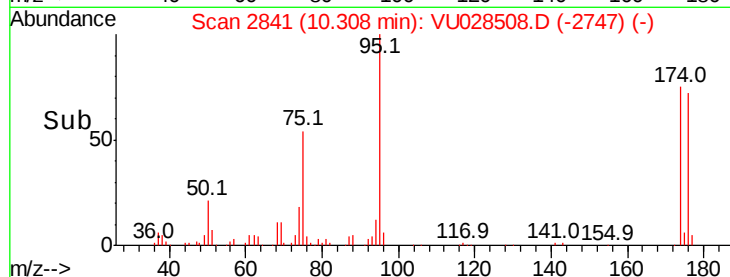
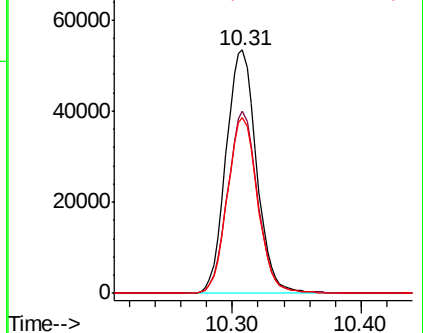
176 71.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028508.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028508.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028508.D (-2747) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

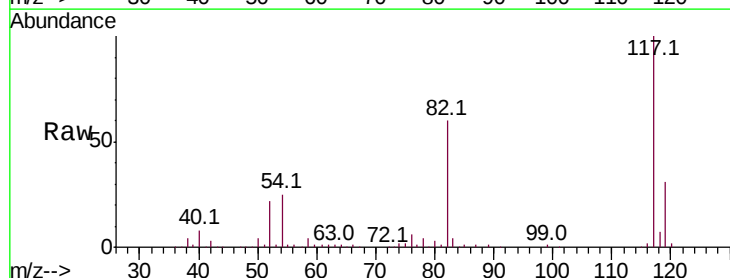
Tgt Ion: 117 Resp: 173430

Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.9	73.3
119	31.2	26.2	39.4

117 100

82 59.7 48.9 73.3

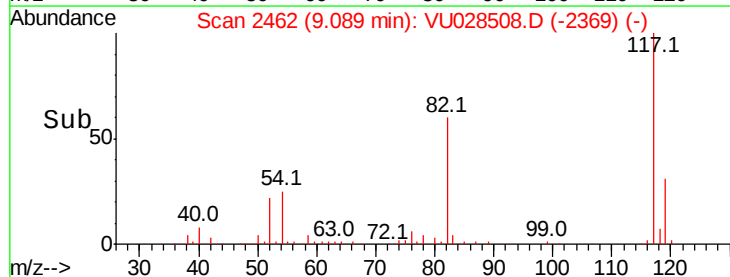
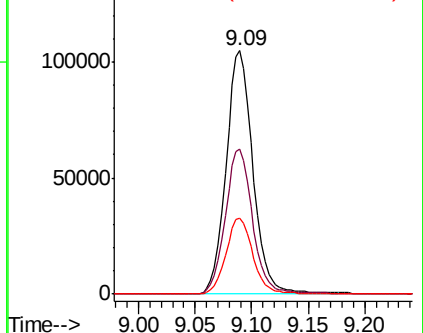
119 31.2 26.2 39.4

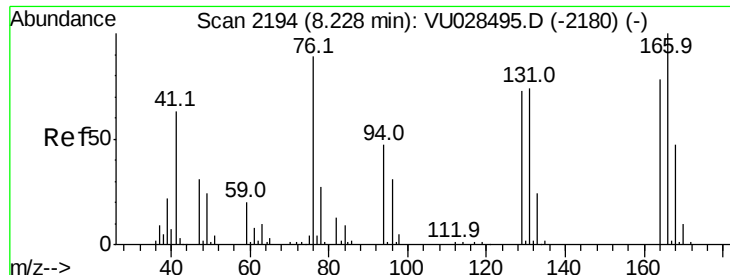


Abundance Ion 116.90 (116.60 to 117.60): VU028508.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028508.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028508.D (-2369) (-)





#64

Tetrachloroethene

Concen: 2.029 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M16W4-11-28-18

Tot Ion:164 Resp: 2347

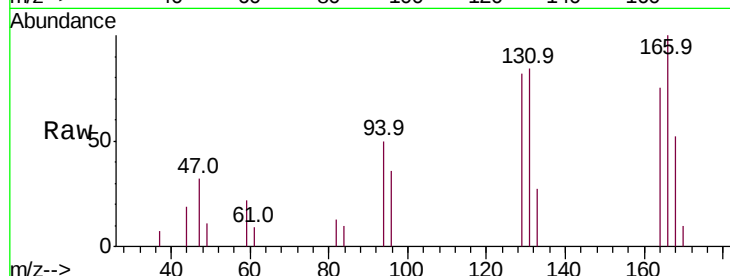
Ion Ratio Lower Upper

164 100

166 133.9 101.9 152.9

129 110.3 74.9 112.3

131 112.2 75.4 113.0

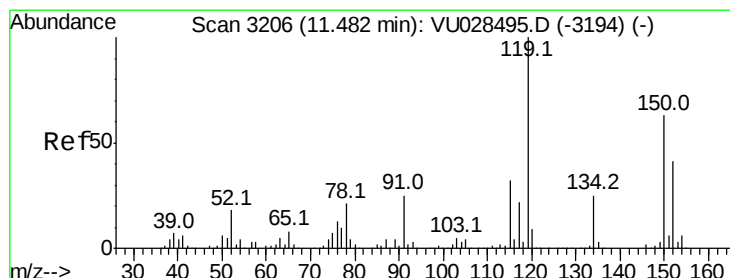
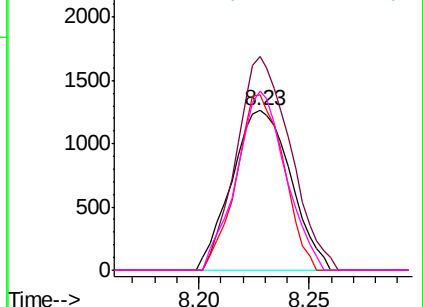
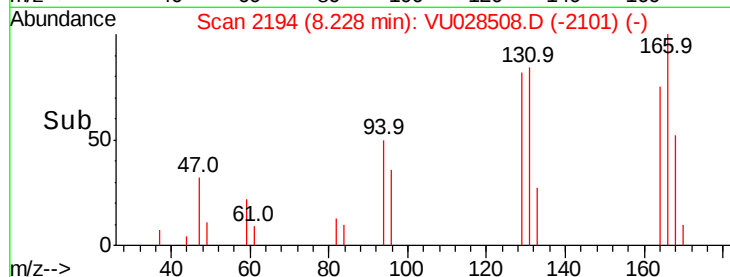


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

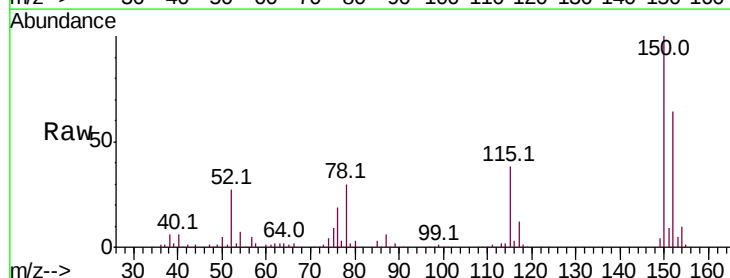
Tgt Ion:152 Resp: 80738

Ion Ratio Lower Upper

152 100

115 60.3 42.7 128.1

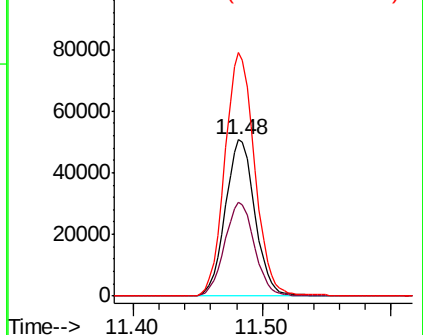
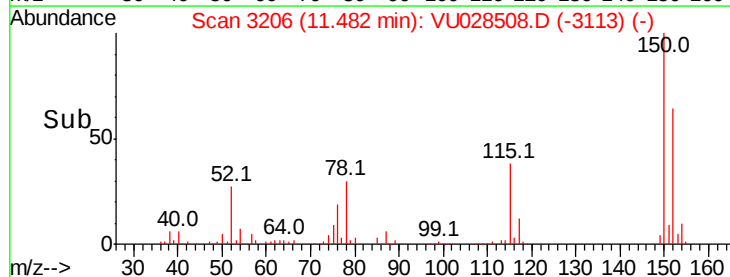
150 156.6 0.0 346.0

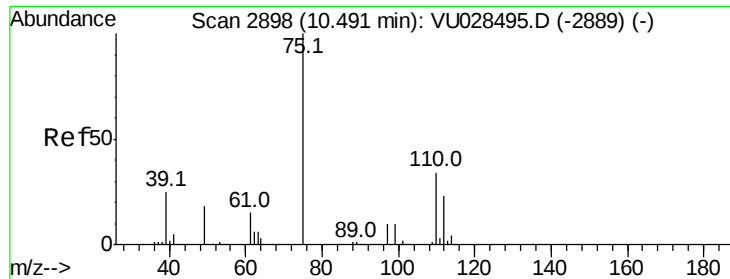


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.568 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

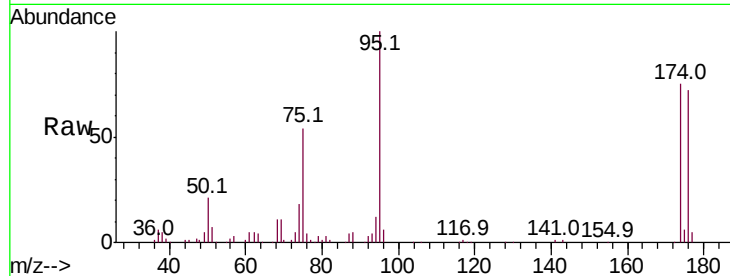
CPA-CPMW05D-M16W4-11-28-18

Tot Ion: 75 Resp: 46527

Ion Ratio Lower Upper

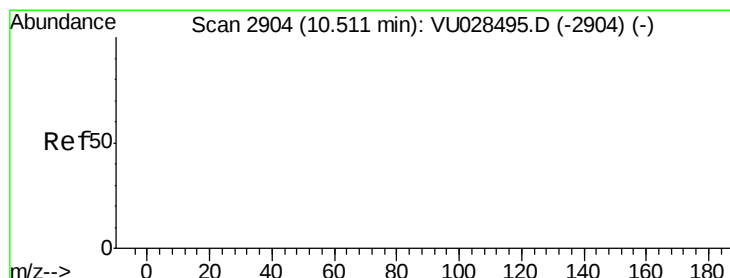
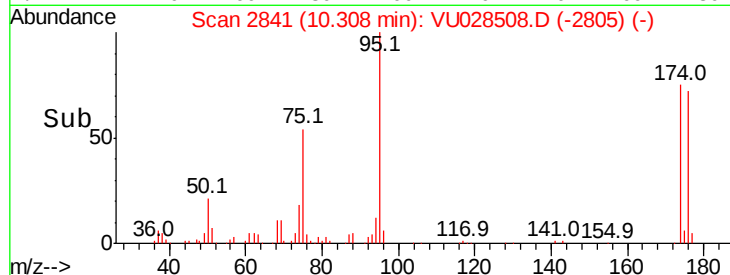
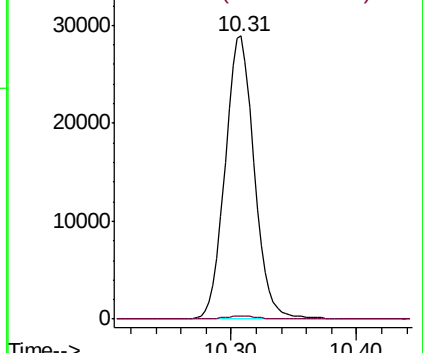
75 100

77 1.1 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: 55.429 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

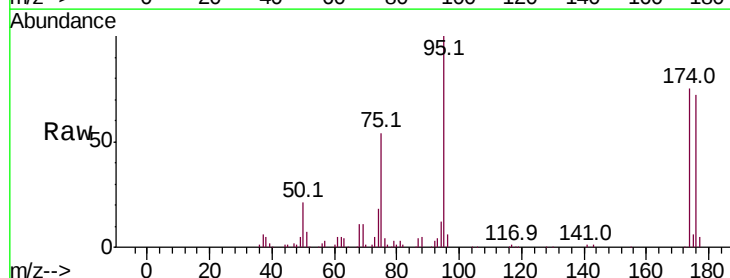
Tgt Ion: 75 Resp: 46527

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

