

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028512.D
 Acq On : 06 Dec 2018 19:41
 Operator : MD/SY
 Sample : J6252-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-MW16-001-M16W4-11-29-18

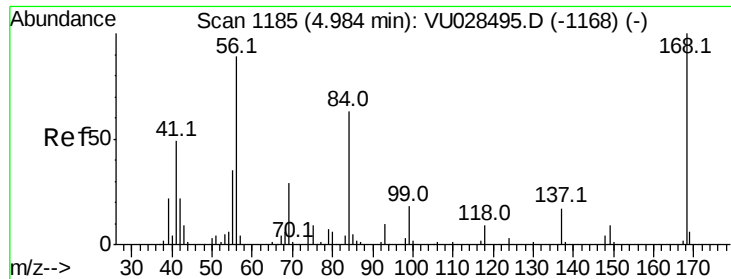
Quant Time: Dec 07 06:17:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	96628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	186243	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82465	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	83123	56.37	ug/l	0.00
Spiked Amount			Recovery	=	112.74%	
35) Dibromofluoromethane	4.88	113	60929	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	7.57	98	241773	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	10.30	95	88715	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	131	0.399	ug/l #	73
16) Acetone	2.32	43	1121	1.165	ug/l #	87
31) Cyclohexane	4.98	56	2472	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8730	4.284	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10082	6.138	ug/l #	15
51) 4-Methyl-2-Pentanone	7.57	43	1287	0.490	ug/l #	1
60) Dibromochloromethane	8.22	129	1237	0.905	ug/l #	10
64) Tetrachloroethene	8.22	164	1111	0.954	ug/l #	89
76) 1,2,3-Trichloropropane	10.30	75	46151	21.917	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	46151	53.845	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028512.D

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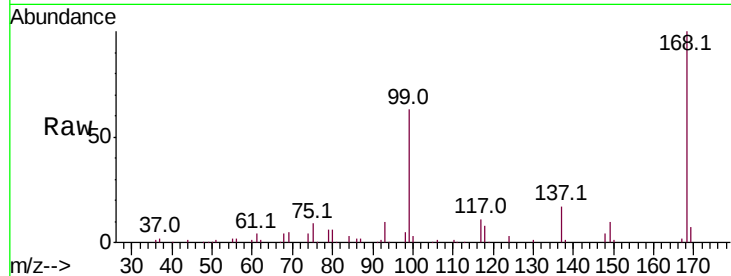
CPA-MW16-001-M16W4-11-29-18

Tot Ion:168 Resp: 96628

Ion Ratio Lower Upper

168 100

99 63.0 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028512.D (-1092) (-)

4.99

40000

30000

20000

10000

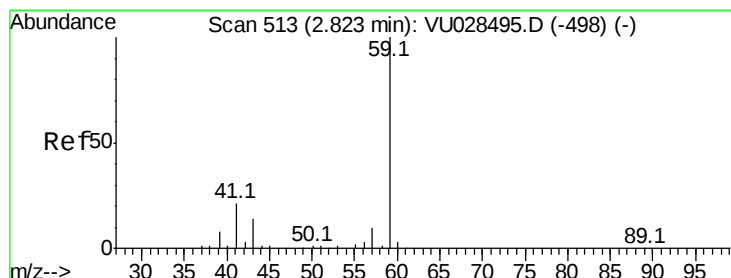
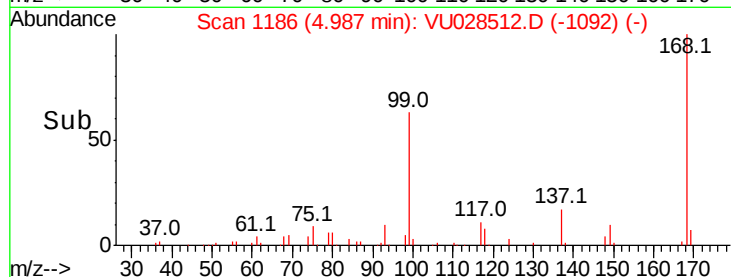
0

4.90

5.00

5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.399 ug/l

RT: 2.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU028512.D

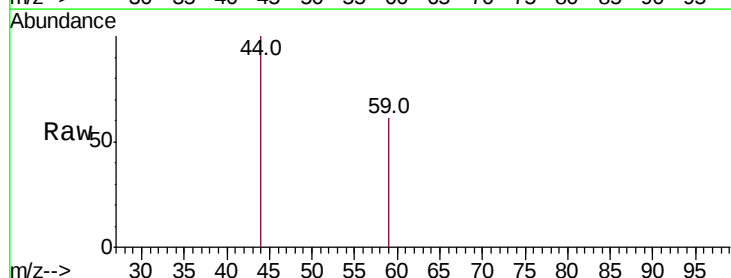
Acq: 06 Dec 2018 19:41

Tgt Ion: 59 Resp: 131

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): VU028512.D (-420) (-)

2.82

200

150

100

50

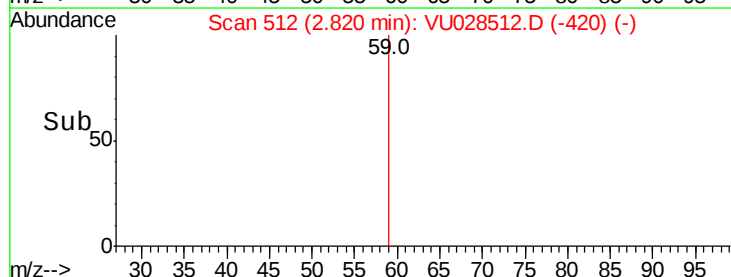
0

2.81

2.82

2.83

Time-->





#16

Acetone

Concen: 1.165 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

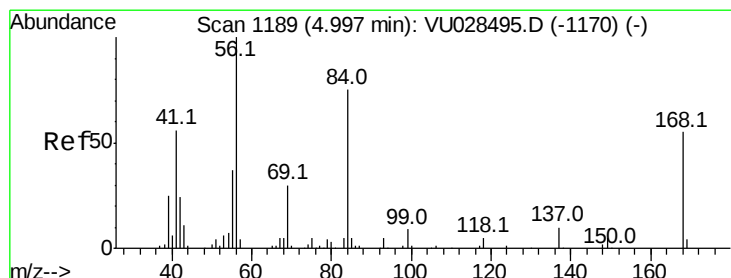
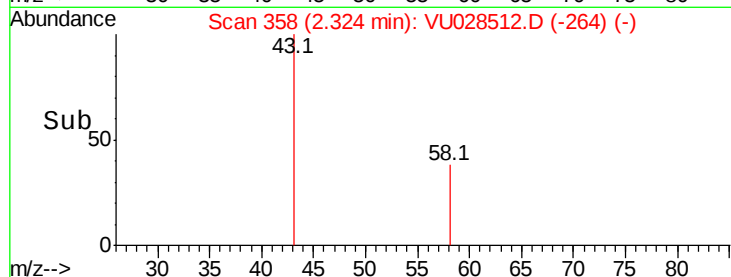
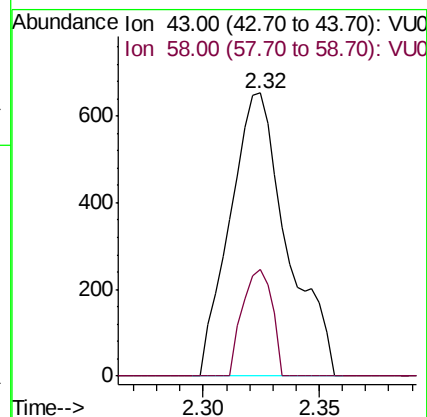
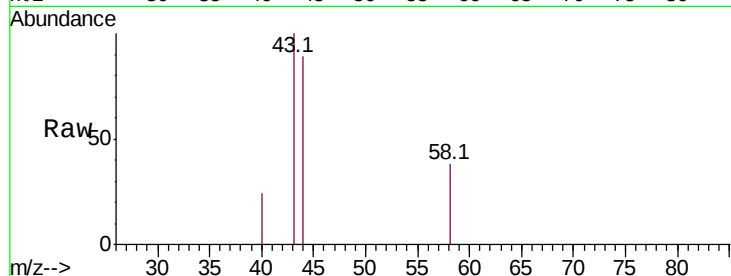
CPA-MW16-001-M16W4-11-29-18

Tot Ion: 43 Resp: 1121

Ion Ratio Lower Upper

43 100

58 37.8 24.6 37.0#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

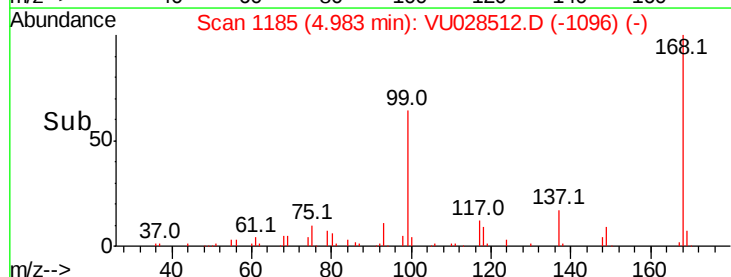
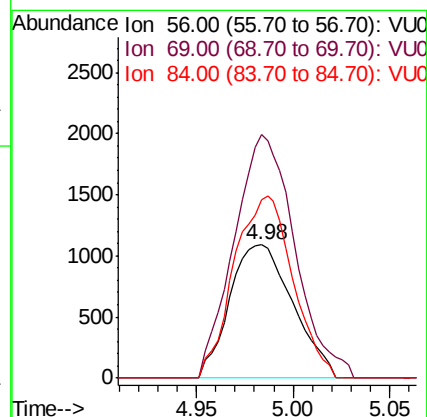
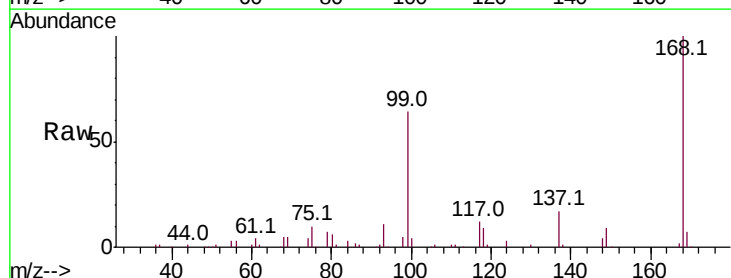
Tgt Ion: 56 Resp: 2472

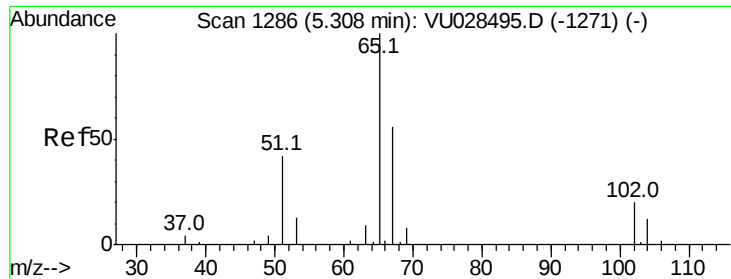
Ion Ratio Lower Upper

56 100

69 183.1 24.0 36.0#

84 133.6 59.7 89.5#

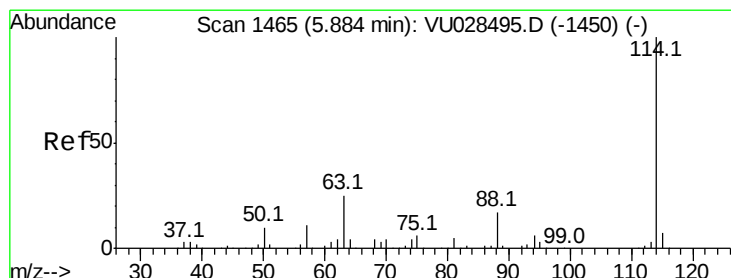
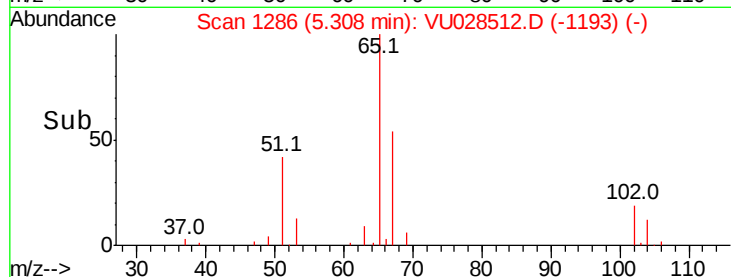
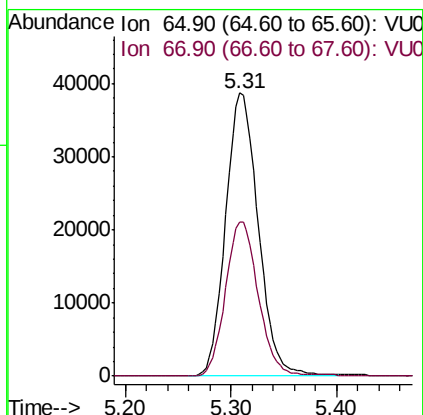
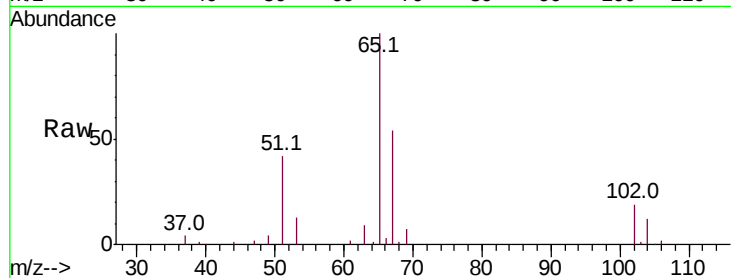




#33
 1,2-Dichloroethane-d4
 Concen: 56.370 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028512.D
 Acq: 06 Dec 2018 19:41

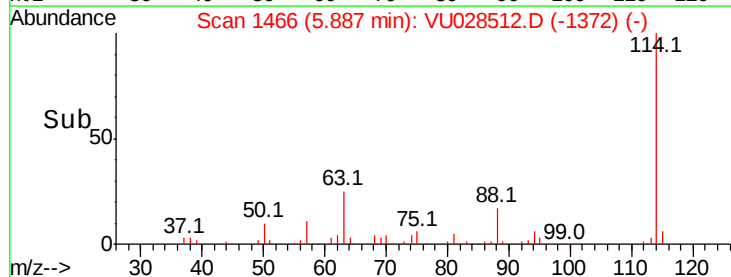
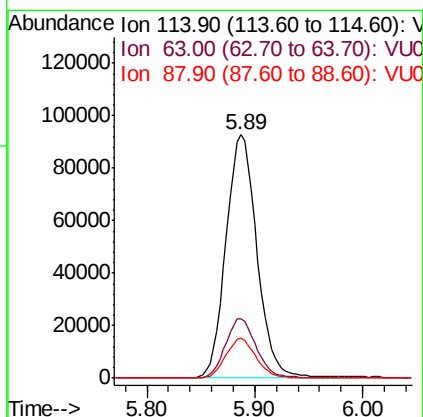
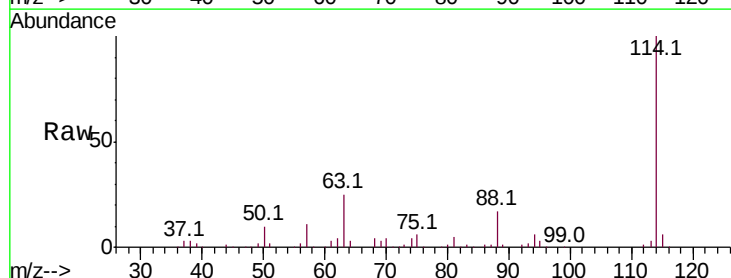
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-MW16-001-M16W4-11-29-18

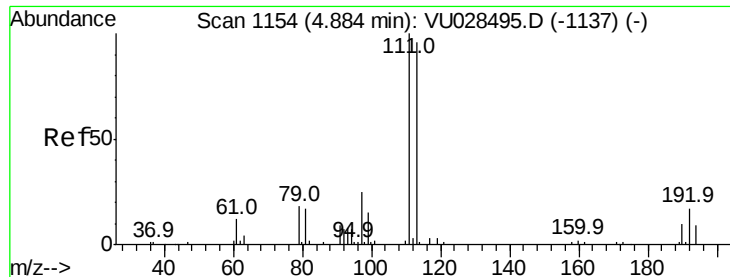
Tot Ion: 65 Resp: 83123
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028512.D
 Acq: 06 Dec 2018 19:41

Tgt Ion: 114 Resp: 186243
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.985 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

CPA-MW16-001-M16W4-11-29-18

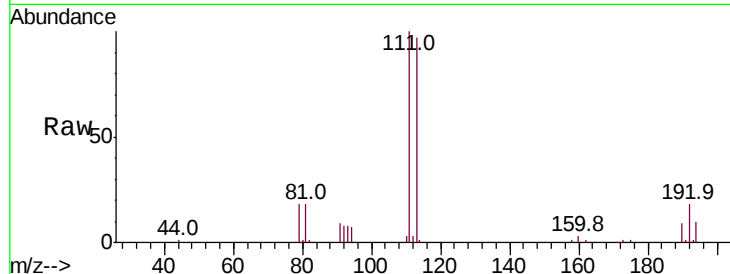
Tot Ion:113 Resp: 60929

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.0

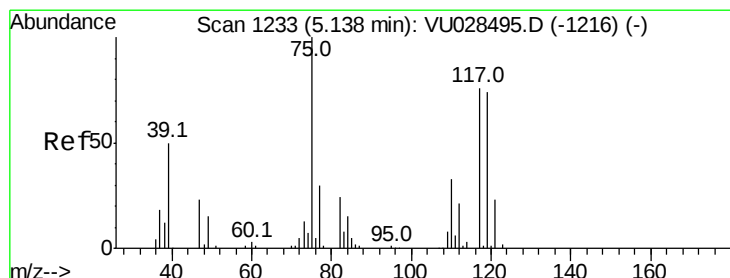
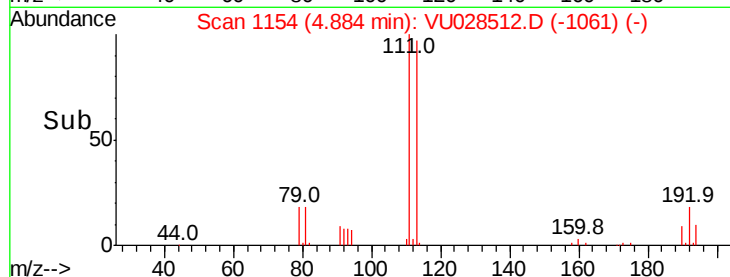
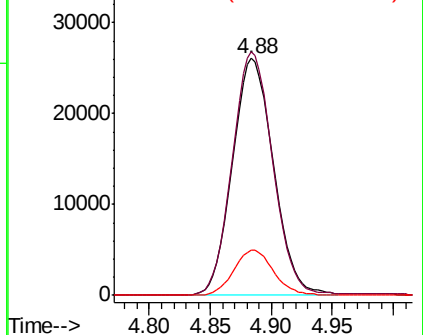
192 18.4 14.8 22.2



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: 4.284 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

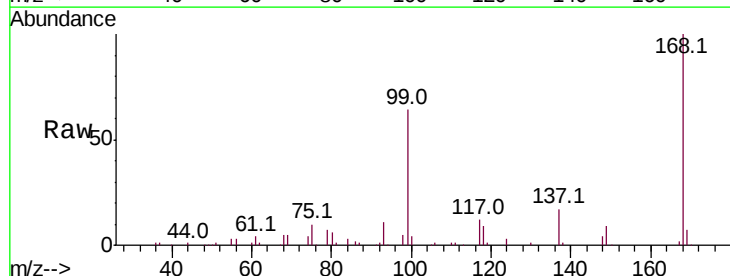
Tgt Ion: 75 Resp: 8730

Ion Ratio Lower Upper

75 100

110 6.2 16.1 48.2#

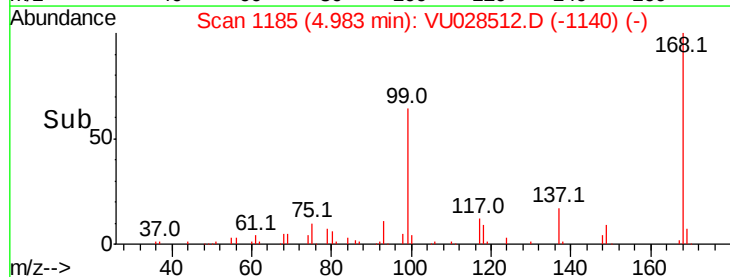
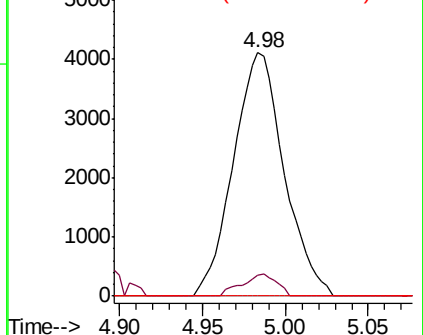
77 0.0 24.5 36.7#

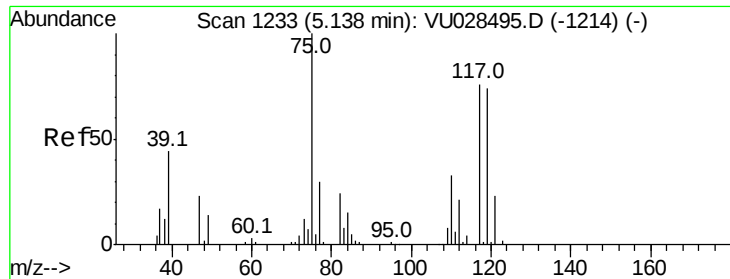


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

CPA-MW16-001-M16W4-11-29-18

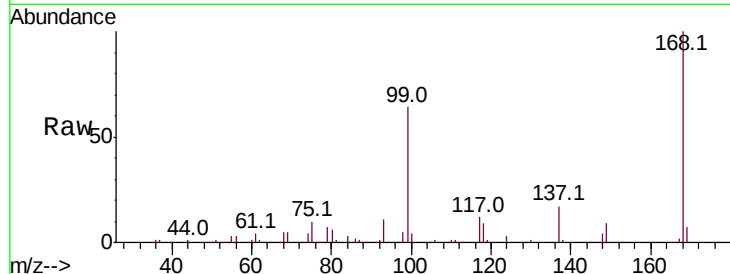
Tot Ion:117 Resp: 10082

Ion Ratio Lower Upper

117 100

119 4.5 77.6 116.4#

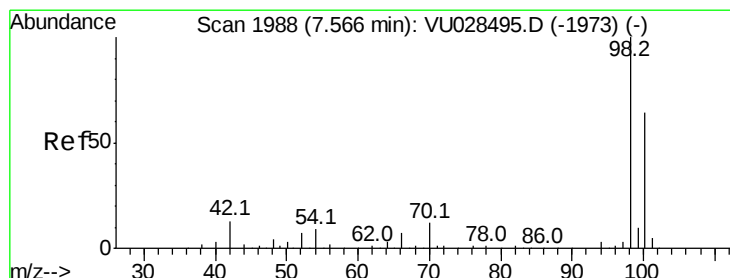
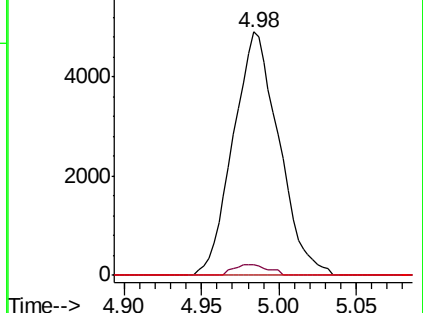
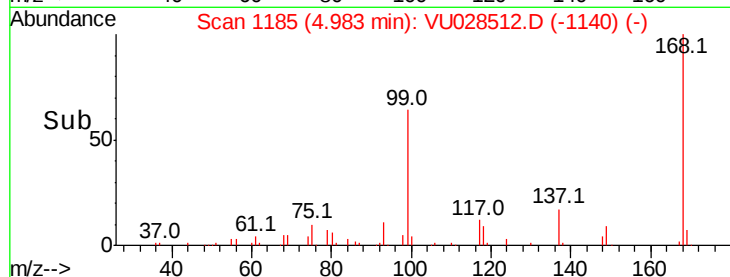
121 0.0 24.6 36.8#



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: 52.147 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028512.D

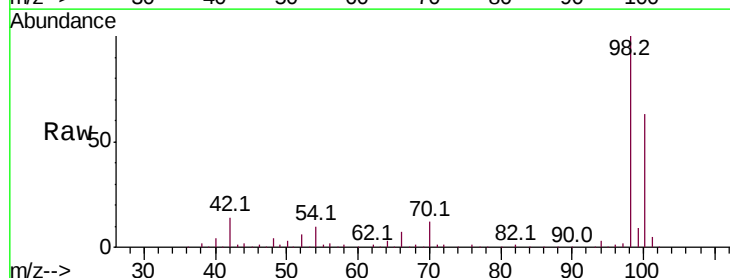
Acq: 06 Dec 2018 19:41

Tgt Ion: 98 Resp: 241773

Ion Ratio Lower Upper

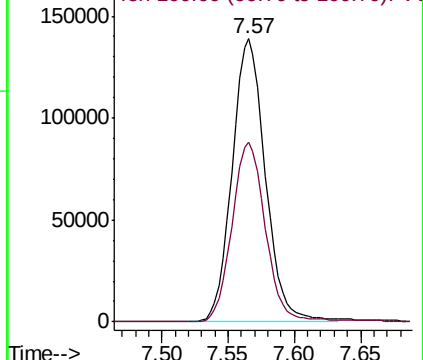
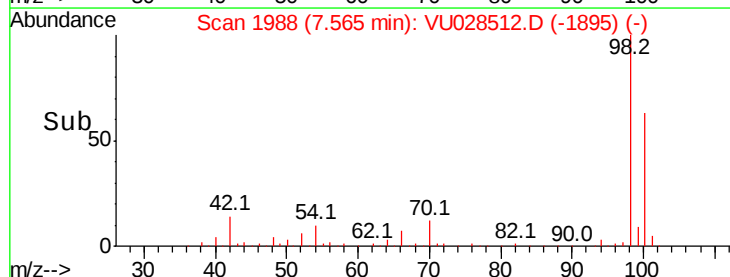
98 100

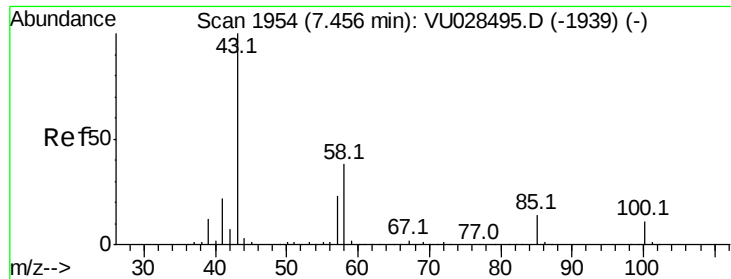
100 64.0 51.0 76.6



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: 0.490 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

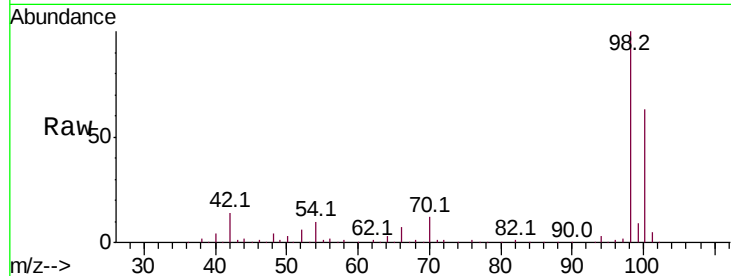
CPA-MW16-001-M16W4-11-29-18

Tot Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

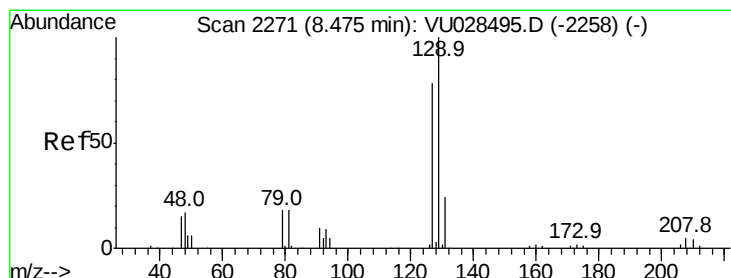
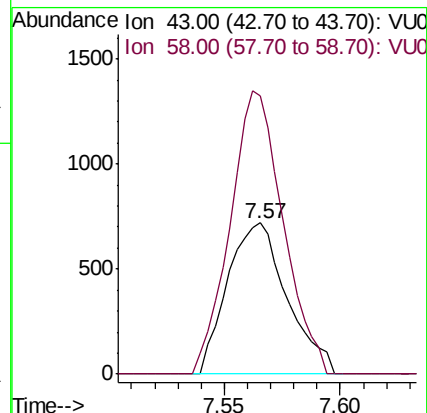
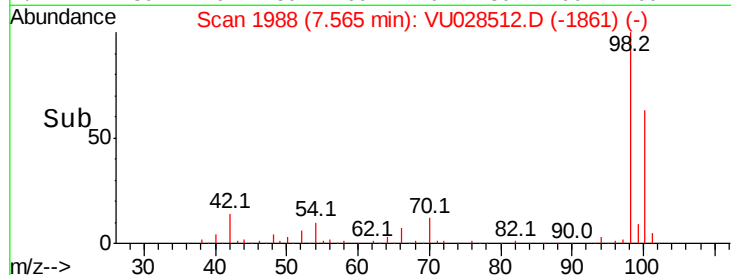
58 166.0 30.2 45.2#



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

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

7.57



#60

Dibromochloromethane

Concen: 0.905 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028512.D

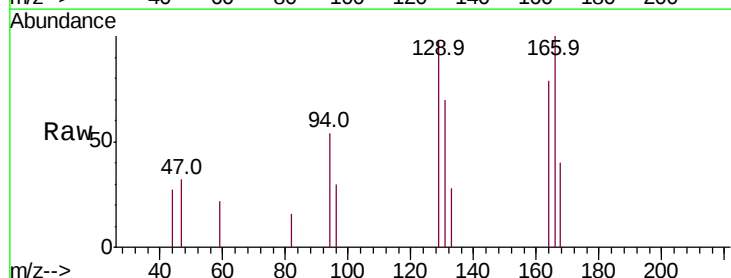
Acq: 06 Dec 2018 19:41

Tgt Ion: 129 Resp: 1237

Ion Ratio Lower Upper

129 100

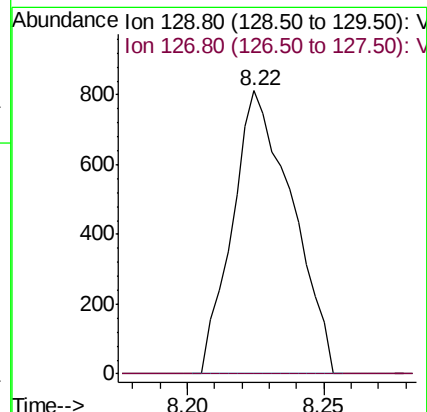
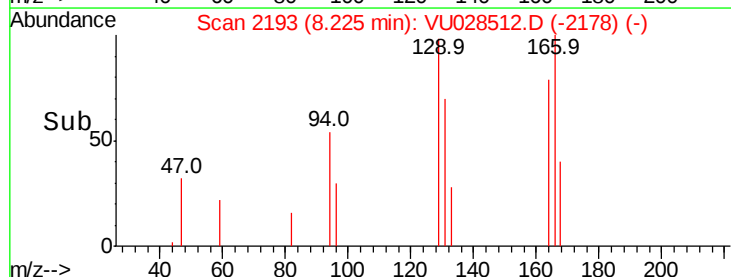
127 0.0 39.1 117.3#

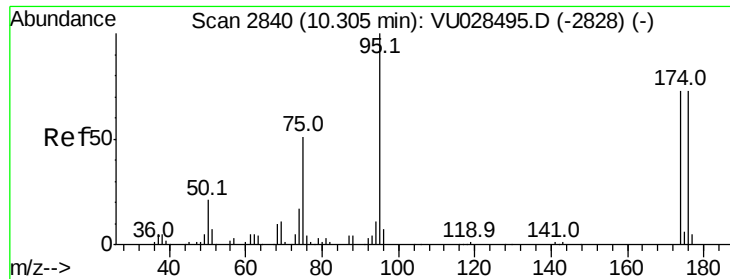


Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)

8.22





#62

4-Bromofluorobenzene

Concen: 51.194 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

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CPA-MW16-001-M16W4-11-29-18

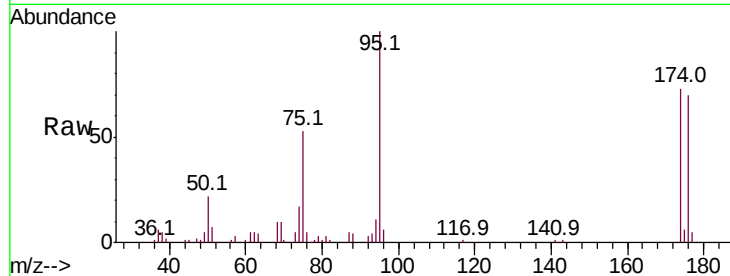
Tot Ion: 95 Resp: 88715

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.4

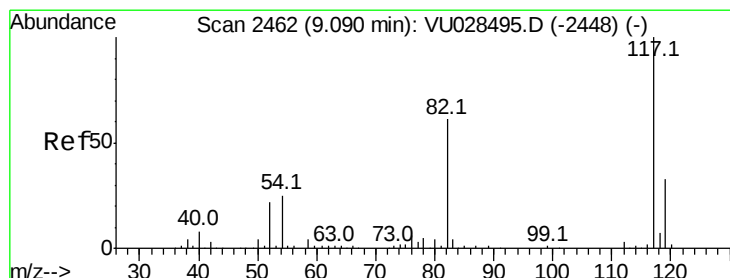
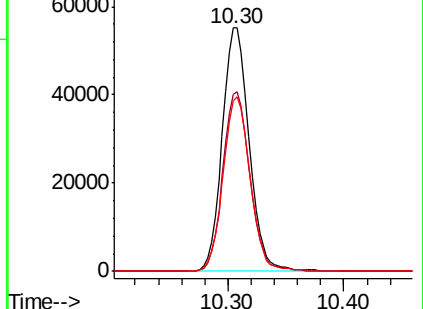
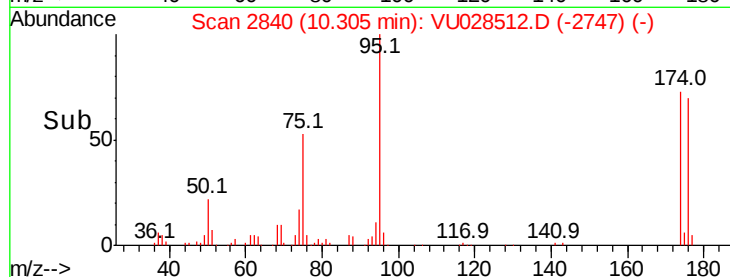
176 71.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028512.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028512.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028512.D (-2747) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

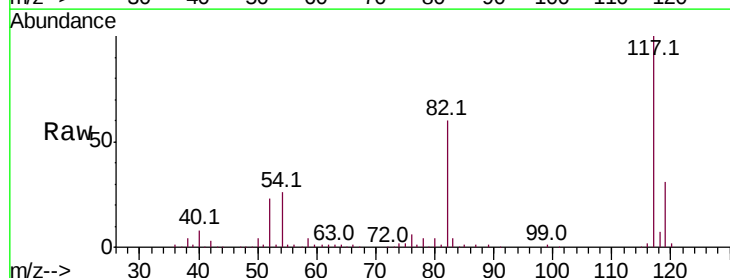
Tgt Ion: 117 Resp: 174541

Ion Ratio Lower Upper

117 100

82 60.2 48.9 73.3

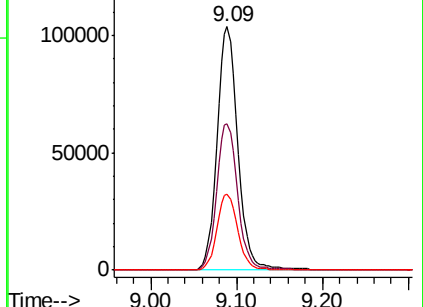
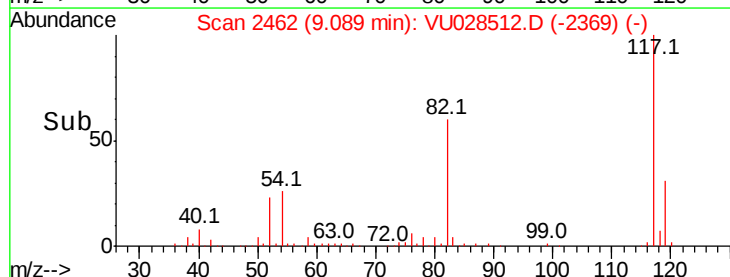
119 31.1 26.2 39.4

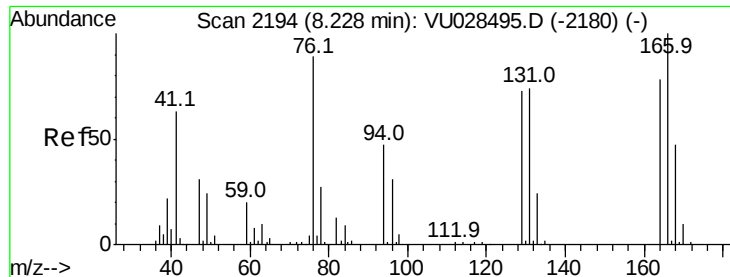


Abundance Ion 116.90 (116.60 to 117.60): VU028512.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028512.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028512.D (-2369) (-)





#64

Tetrachloroethene

Concen: 0.954 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

CPA-MW16-001-M16W4-11-29-18

Tot Ion:164 Resp: 1111

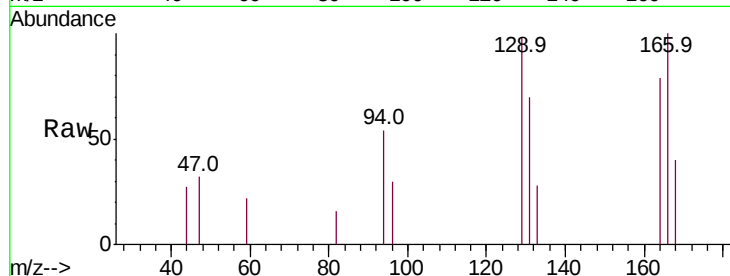
Ion Ratio Lower Upper

164 100

166 125.8 101.9 152.9

129 123.4 74.9 112.3#

131 88.6 75.4 113.0



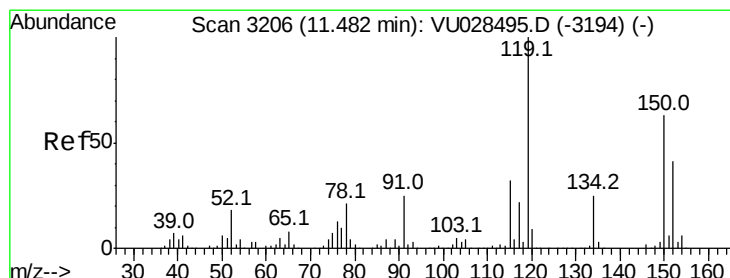
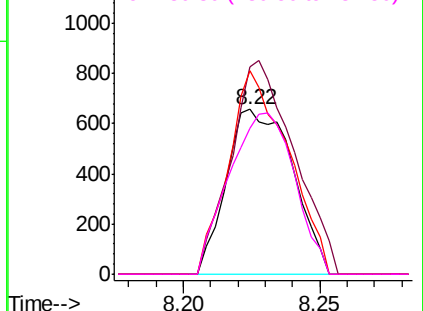
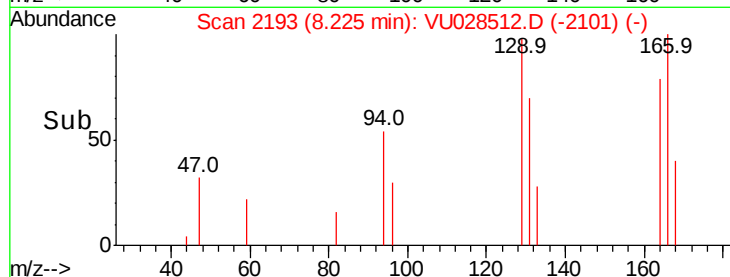
Abundance

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: VU028512.D

Acq: 06 Dec 2018 19:41

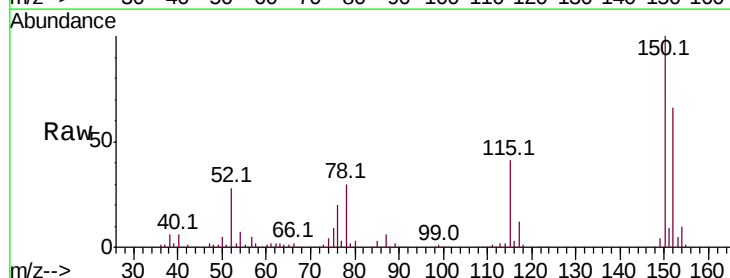
Tgt Ion:152 Resp: 82465

Ion Ratio Lower Upper

152 100

115 61.2 42.7 128.1

150 153.3 0.0 346.0

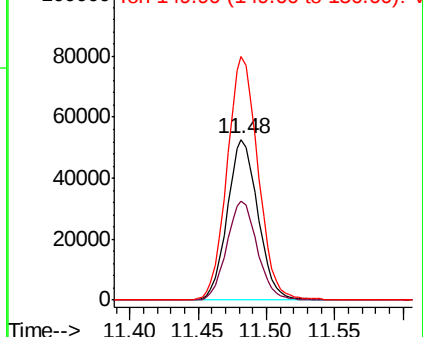
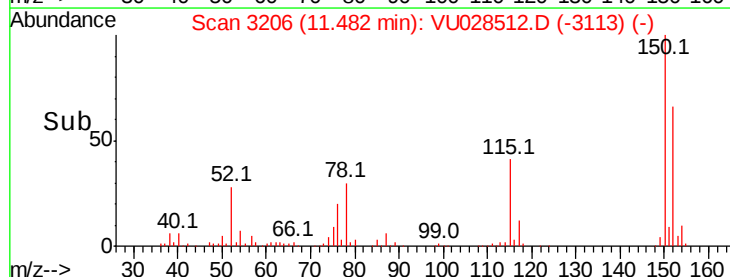


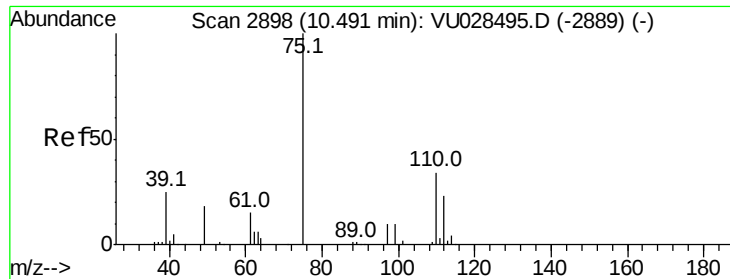
Abundance

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: 21.917 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

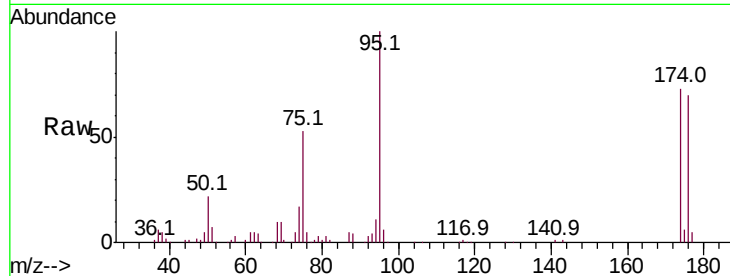
CPA-MW16-001-M16W4-11-29-18

Tot Ion: 75 Resp: 46151

Ion Ratio Lower Upper

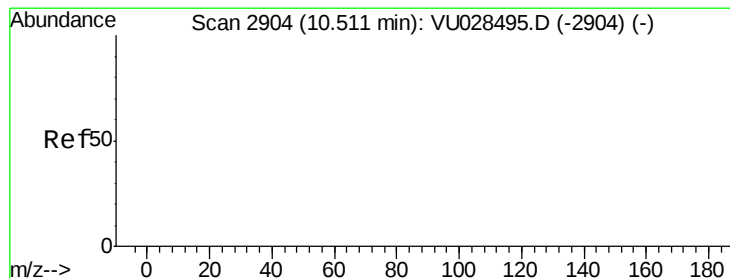
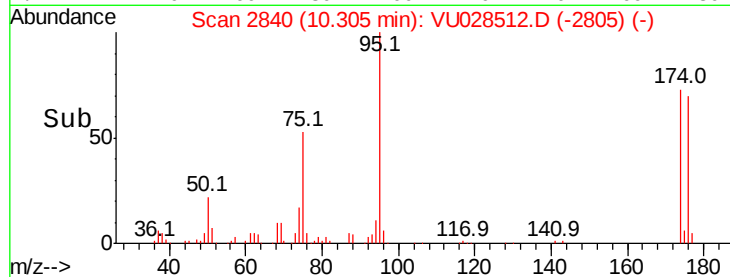
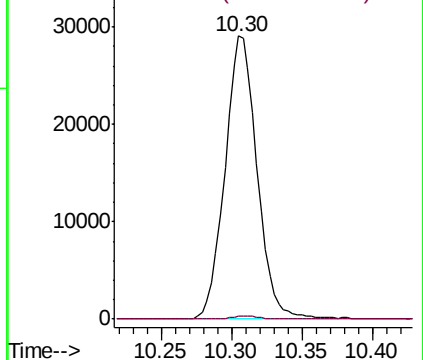
75 100

77 0.8 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: 53.845 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028512.D

Acq: 06 Dec 2018 19:41

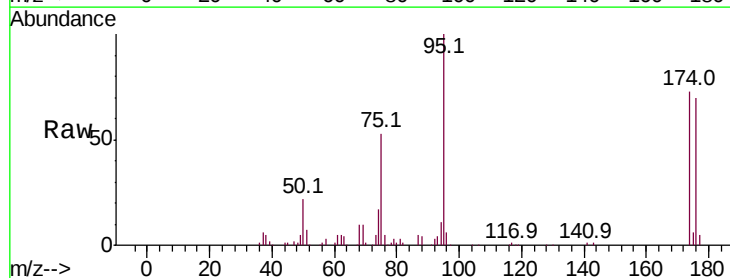
Tgt Ion: 75 Resp: 46151

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

