

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028514.D
 Acq On : 06 Dec 2018 20:27
 Operator : MD/SY
 Sample : J6252-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M16W4-11-27-18

Quant Time: Dec 07 06:17:26 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	94234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	178373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78754	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	81472	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	
35) Dibromofluoromethane	4.88	113	59647	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	7.57	98	238061	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	10.31	95	86669	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	

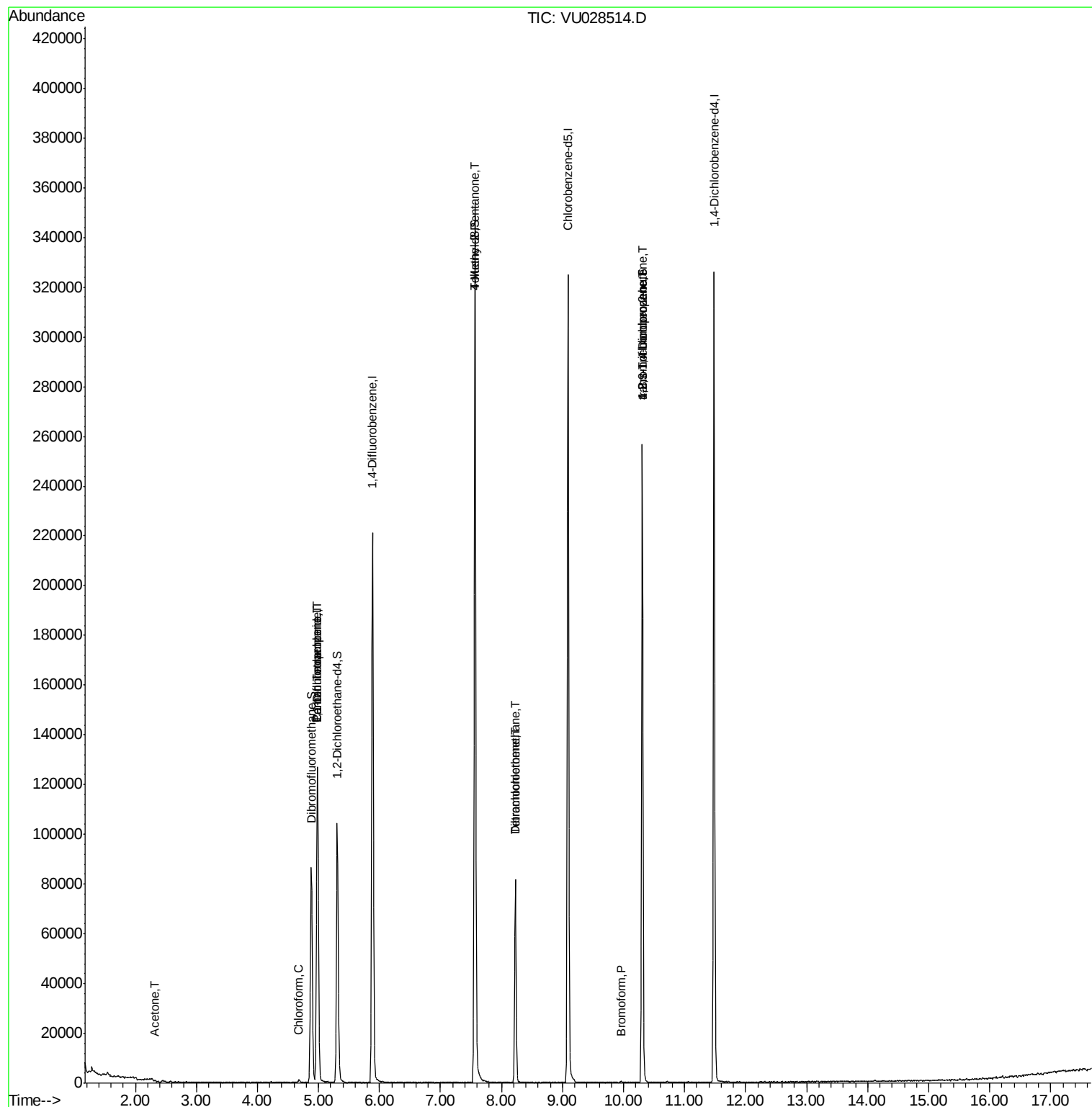
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	514	0.548	ug/l #	44
30) Chloroform	4.68	83	1038	0.471	ug/l	87
31) Cyclohexane	4.98	56	2320	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8411	4.309	ug/l #	50
38) Carbon Tetrachloride	4.98	117	9087	5.776	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1099	0.437	ug/l #	1
60) Dibromochloromethane	8.23	129	17182	13.122	ug/l #	10
64) Tetrachloroethene	8.23	164	17532	15.425	ug/l	96
71) Bromoform	9.96	173	433	0.439	ug/l #	54
76) 1,2,3-Trichloropropane	10.31	75	44891	22.323	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44891	54.833	ug/l #	100

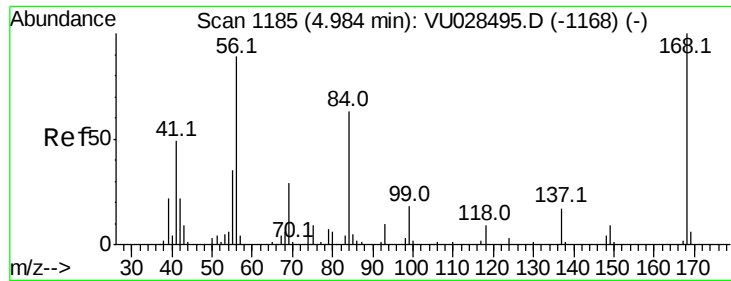
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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Quant Time: Dec 07 06:17:26 2018
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: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

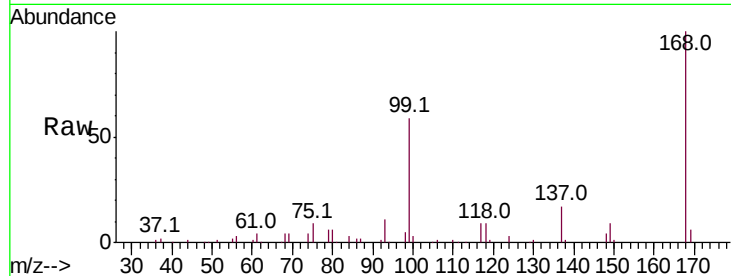
CPA-CPMW09D-M16W4-11-27-18

Tot Ion:168 Resp: 94234

Ion Ratio Lower Upper

168 100

99 59.0 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) (-)

4.98

50000

40000

30000

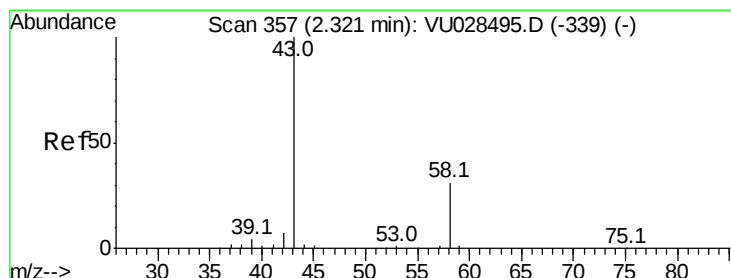
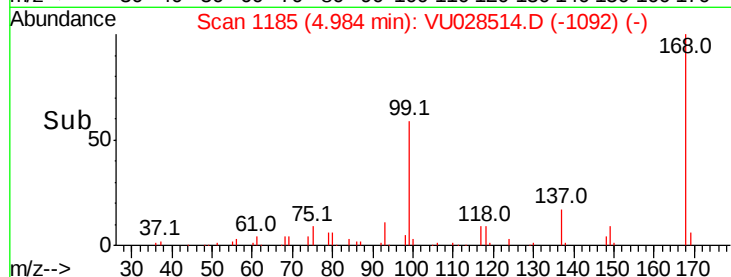
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 0.548 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028514.D

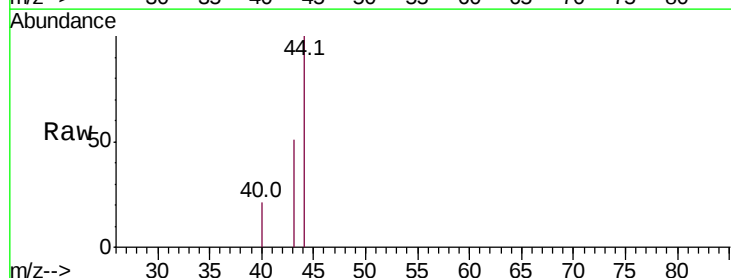
Acq: 06 Dec 2018 20:27

Tgt Ion: 43 Resp: 514

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-339) (-)

2.32

400

300

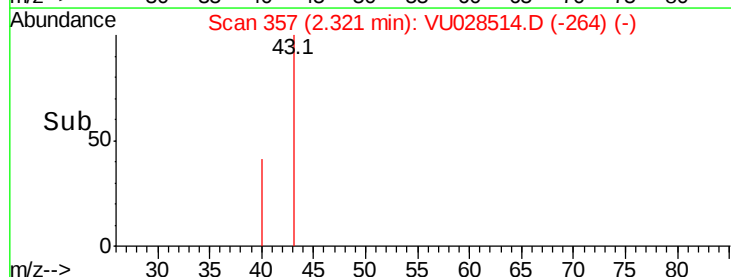
200

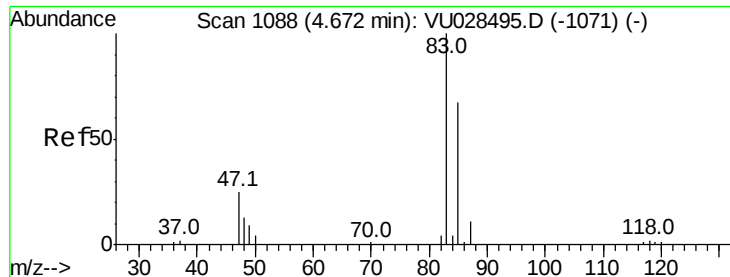
100

0

2.28 2.30 2.32 2.34 2.36

Time-->





#30

Chloroform

Concen: 0.471 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

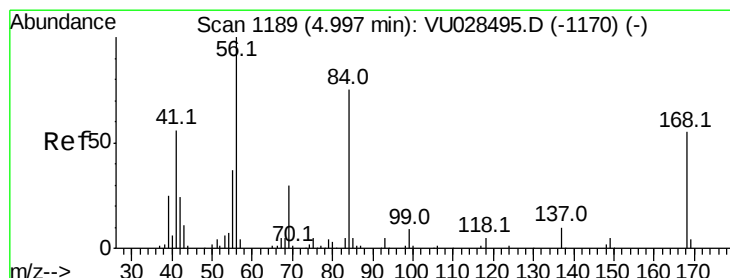
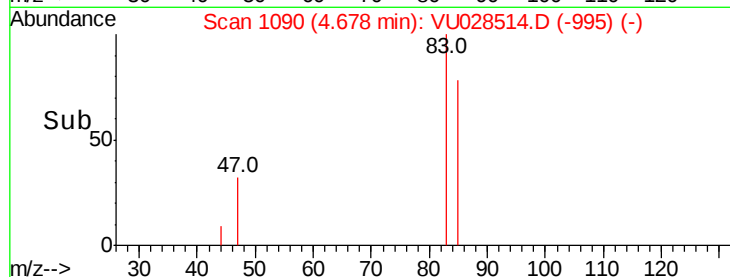
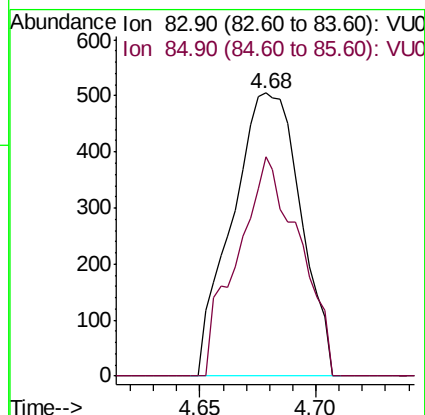
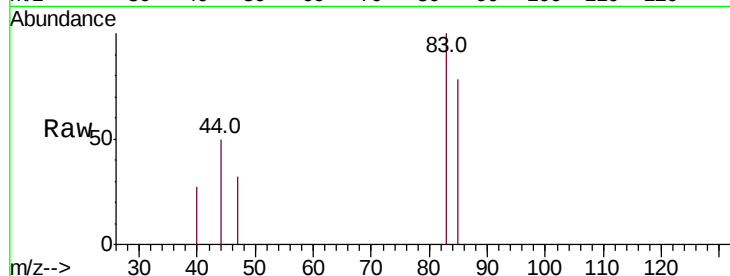
CPA-CPMW09D-M16W4-11-27-18

Tot Ion: 83 Resp: 1038

Ion Ratio Lower Upper

83 100

85 77.6 53.6 80.4



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

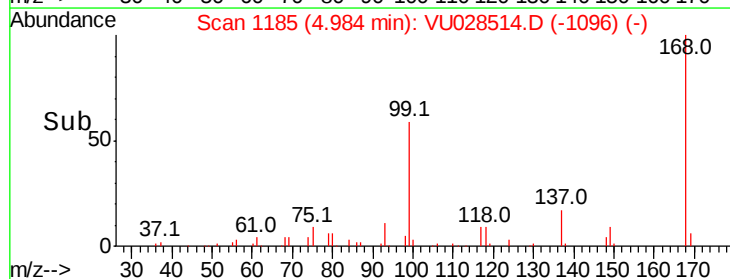
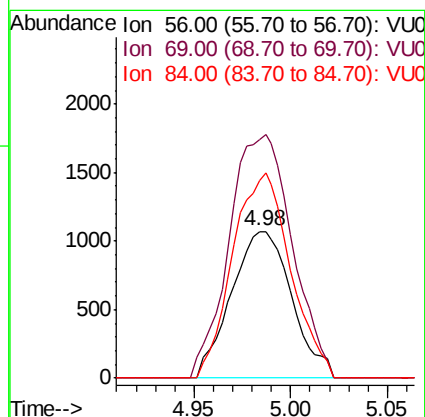
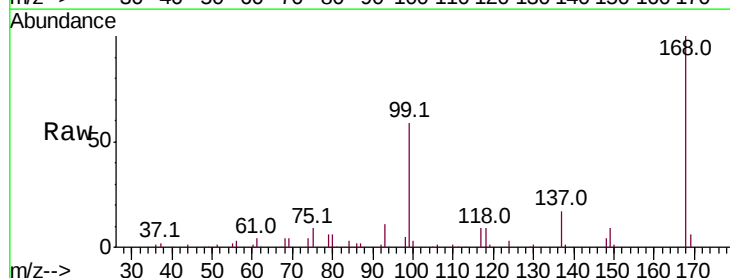
Tgt Ion: 56 Resp: 2320

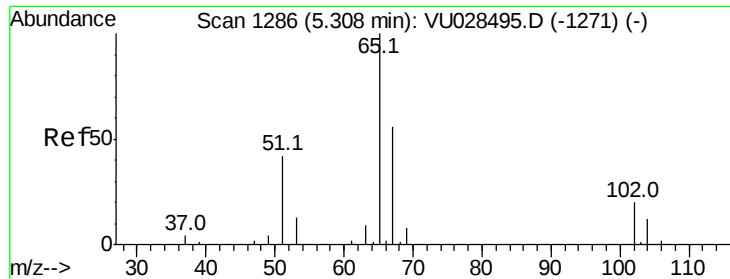
Ion Ratio Lower Upper

56 100

69 162.6 24.0 36.0#

84 134.5 59.7 89.5#

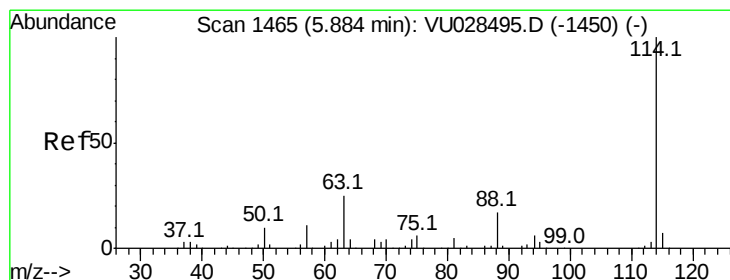
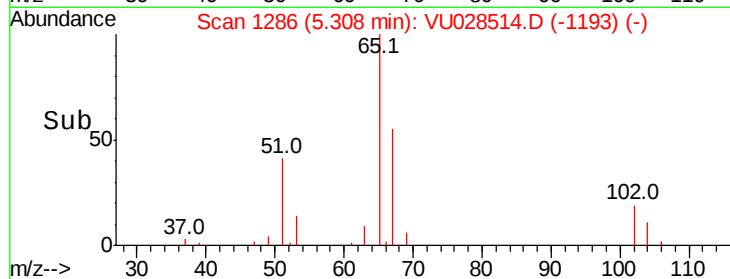
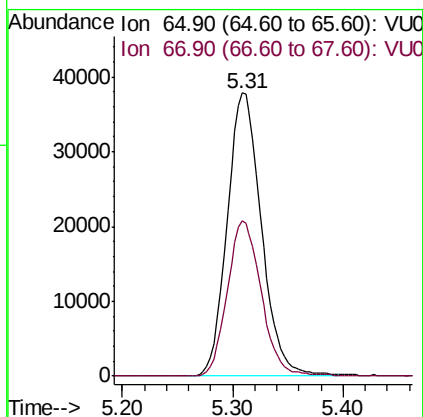
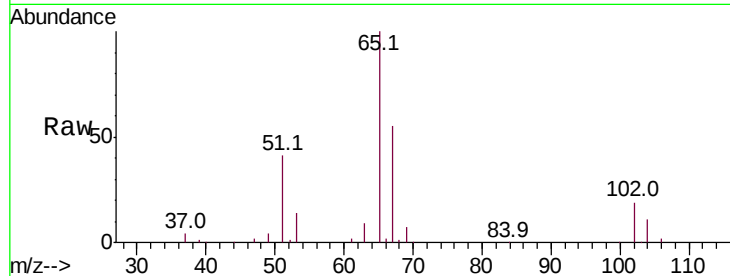




#33
 1,2-Dichloroethane-d4
 Concen: 56.654 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028514.D
 Acq: 06 Dec 2018 20:27

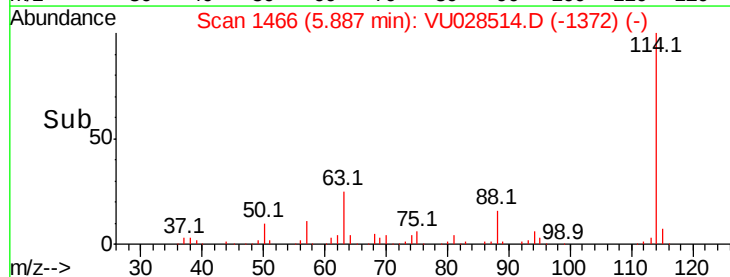
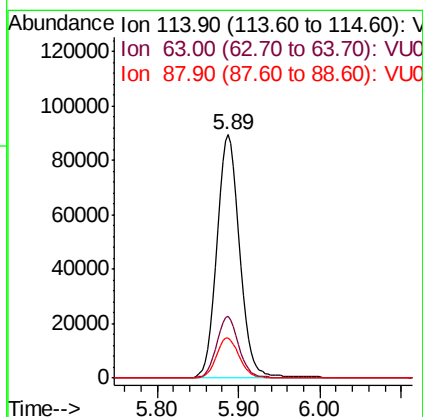
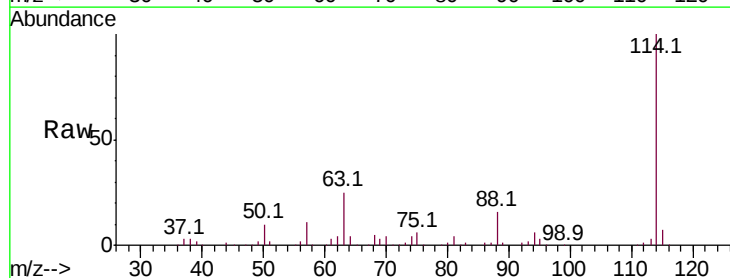
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M16W4-11-27-18

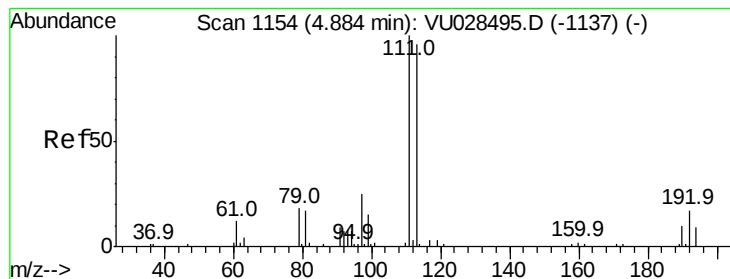
Tot Ion: 65 Resp: 81472
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028514.D
 Acq: 06 Dec 2018 20:27

Tgt Ion: 114 Resp: 178373
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.137 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M16W4-11-27-18

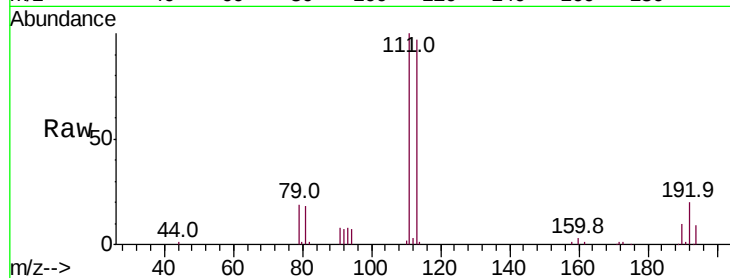
Tot Ion:113 Resp: 59647

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

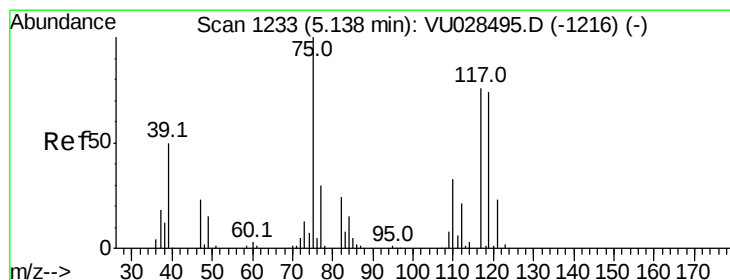
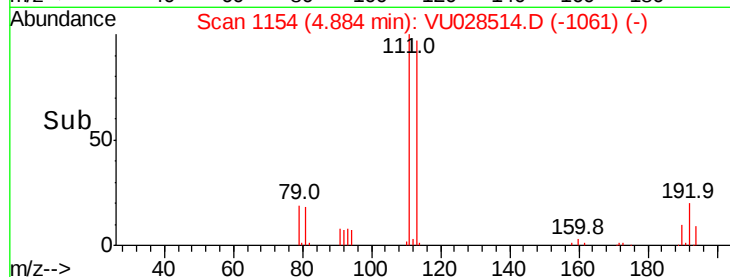
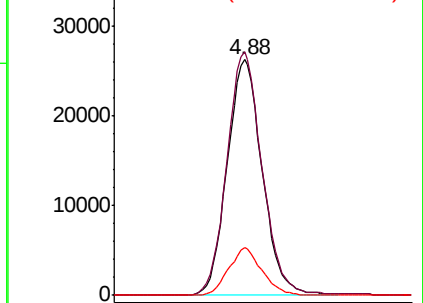
192 19.1 14.8 22.2



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: 4.309 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

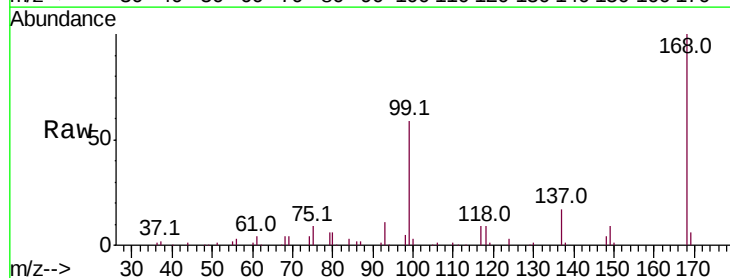
Tgt Ion: 75 Resp: 8411

Ion Ratio Lower Upper

75 100

110 7.2 16.1 48.2#

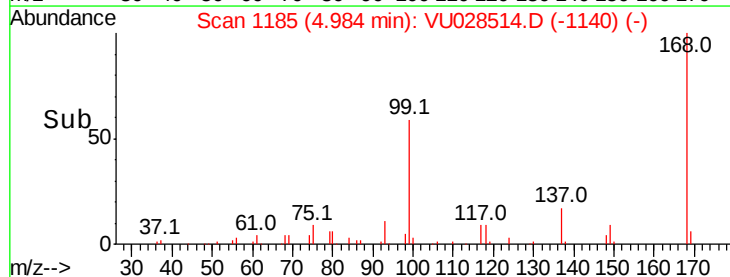
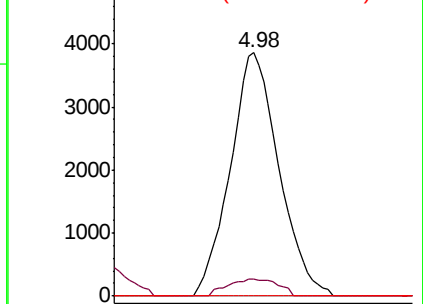
77 0.0 24.5 36.7#

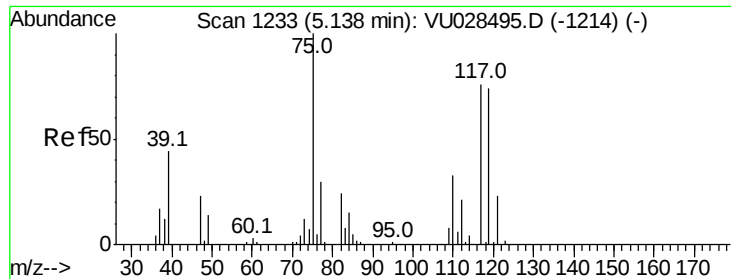


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.776 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M16W4-11-27-18

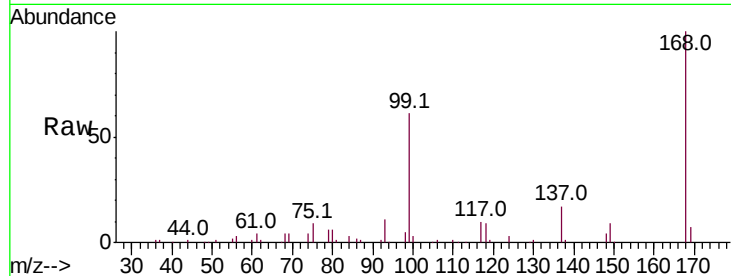
Tot Ion:117 Resp: 9087

Ion Ratio Lower Upper

117 100

119 7.1 77.6 116.4#

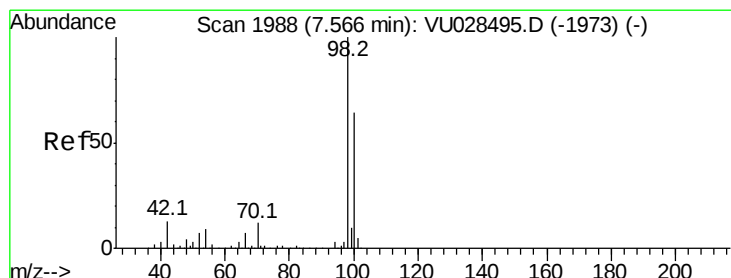
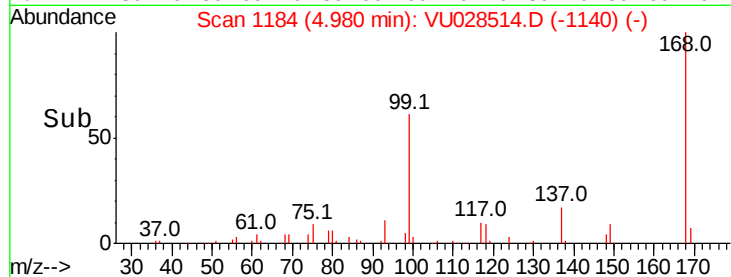
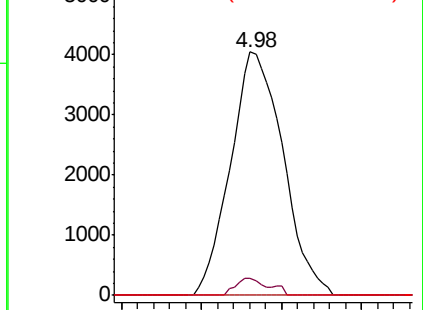
121 0.0 24.6 36.8#



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: 53.612 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028514.D

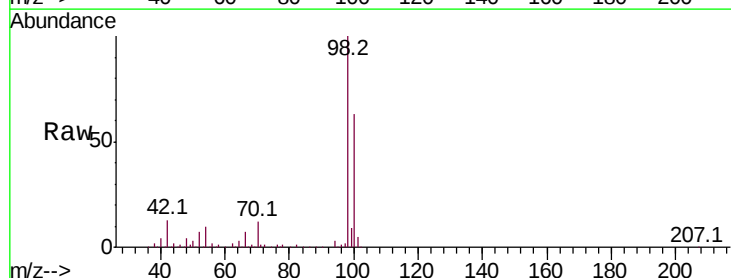
Acq: 06 Dec 2018 20:27

Tgt Ion: 98 Resp: 238061

Ion Ratio Lower Upper

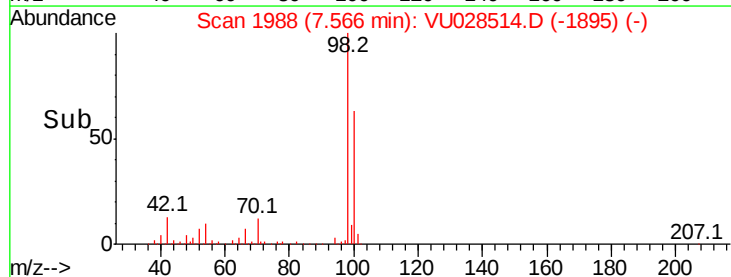
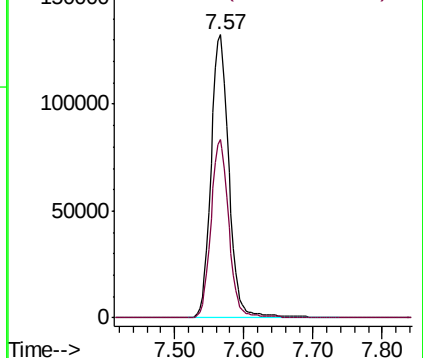
98 100

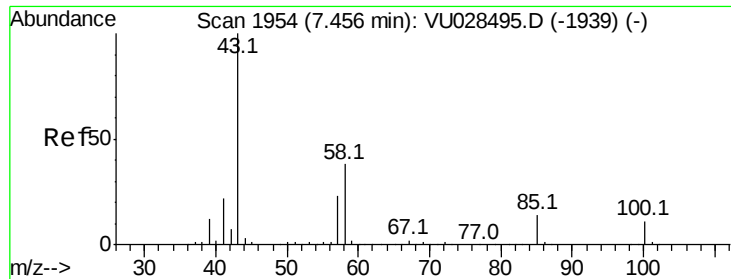
100 62.6 51.0 76.6



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: 0.437 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

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ClientSampleId :

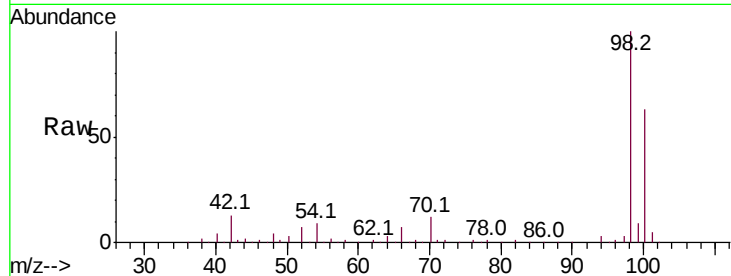
CPA-CPMW09D-M16W4-11-27-18

Tot Ion: 43 Resp: 1099

Ion Ratio Lower Upper

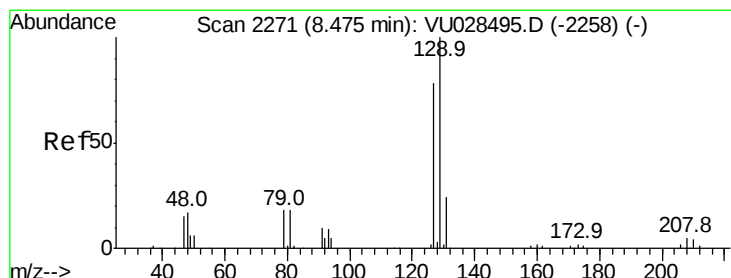
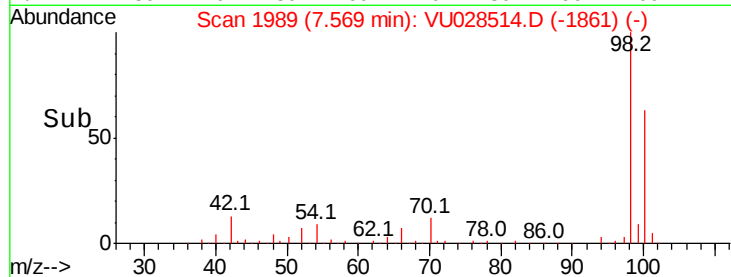
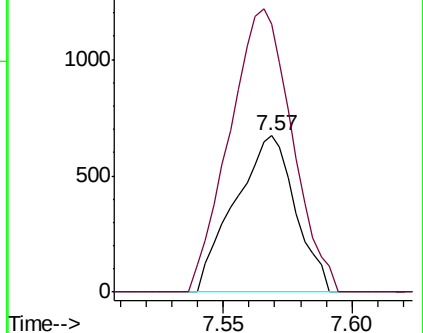
43 100

58 187.2 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028514.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028514.D (-1939) (-)



#60

Dibromochloromethane

Concen: 13.122 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028514.D

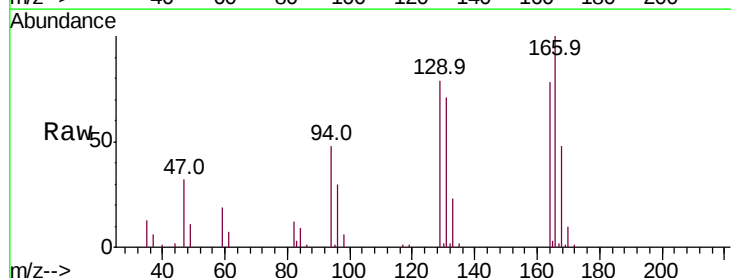
Acq: 06 Dec 2018 20:27

Tgt Ion: 129 Resp: 17182

Ion Ratio Lower Upper

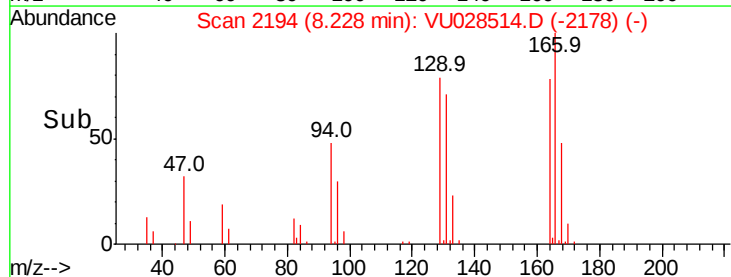
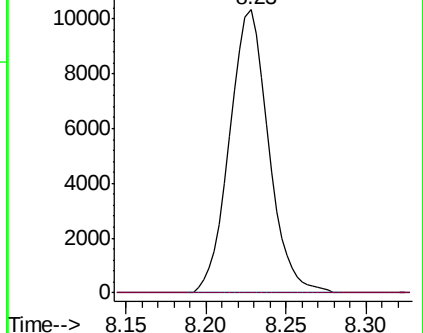
129 100

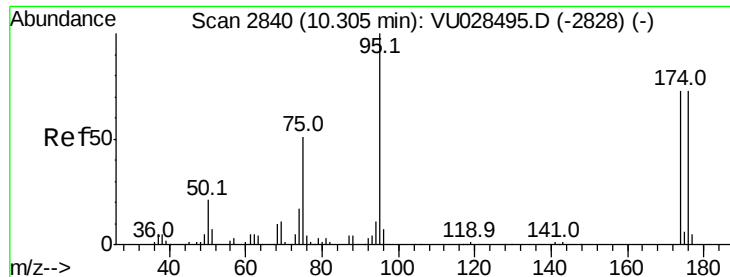
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028514.D (-2178) (-)

Ion 126.80 (126.50 to 127.50): VU028514.D (-2178) (-)





#62

4-Bromofluorobenzene

Concen: 52.220 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

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ClientSampleId :

CPA-CPMW09D-M16W4-11-27-18

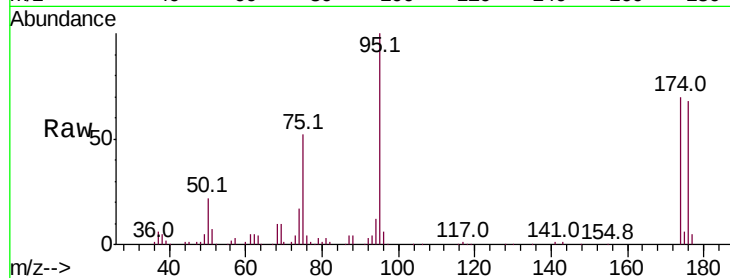
Tot Ion: 95 Resp: 86669

Ion Ratio Lower Upper

95 100

174 72.9 0.0 150.4

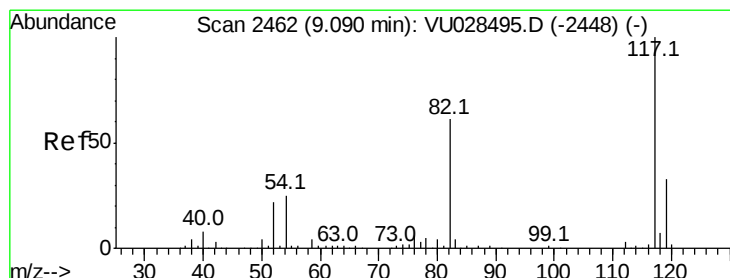
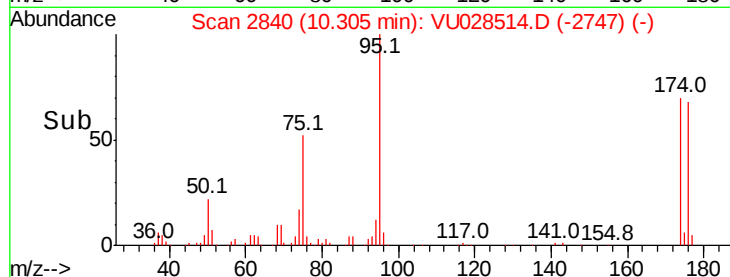
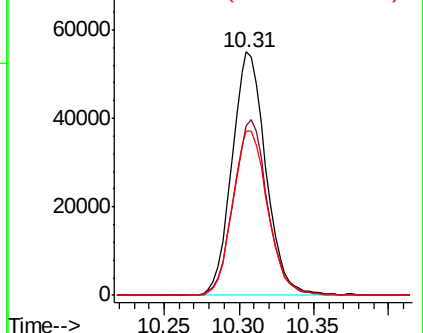
176 69.9 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

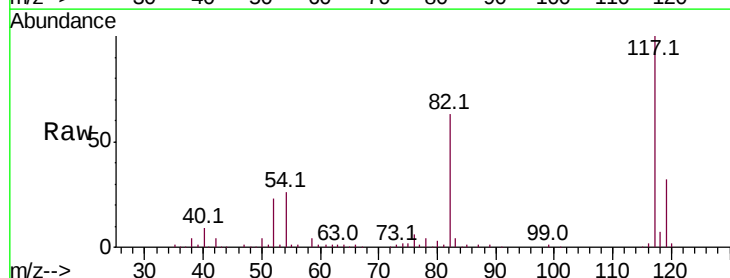
Tgt Ion: 117 Resp: 170402

Ion Ratio Lower Upper

117 100

82 62.8 48.9 73.3

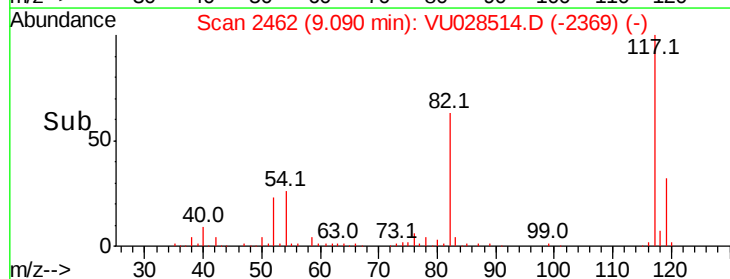
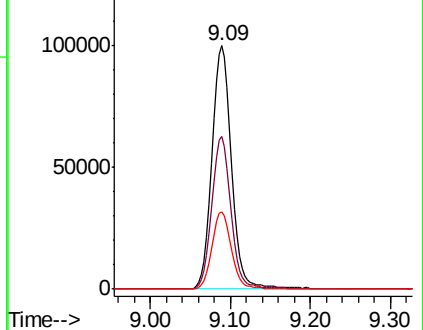
119 31.8 26.2 39.4

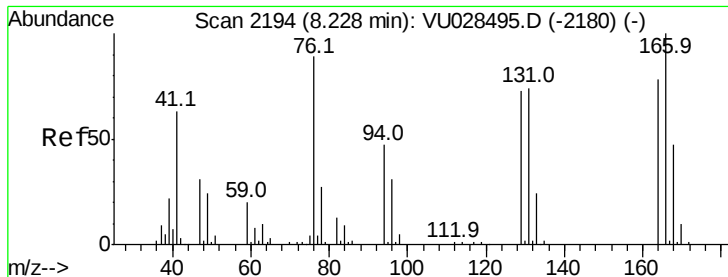


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#64

Tetrachloroethene

Concen: 15.425 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M16W4-11-27-18

Tot Ion:164 Resp: 17532

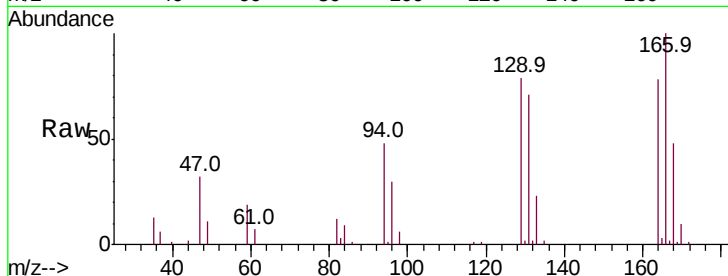
Ion Ratio Lower Upper

164 100

166 128.8 101.9 152.9

129 101.4 74.9 112.3

131 91.0 75.4 113.0

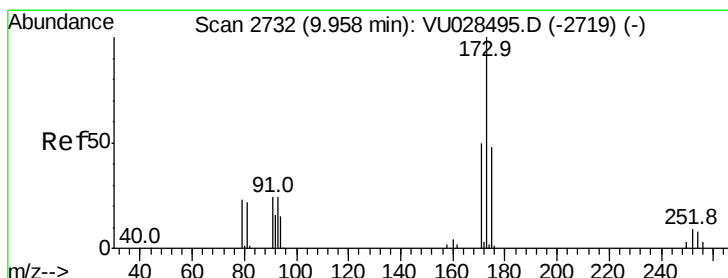
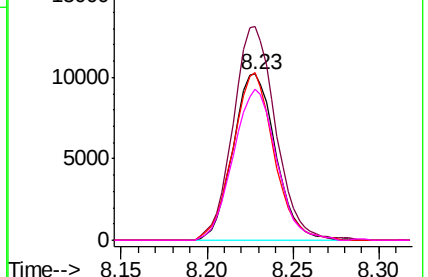
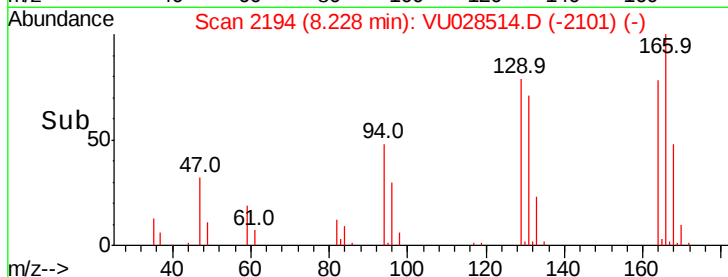


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.439 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

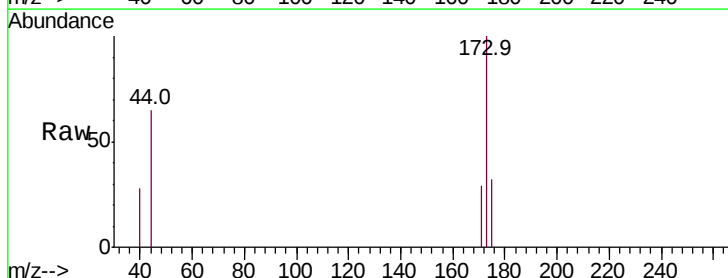
Tgt Ion:173 Resp: 433

Ion Ratio Lower Upper

173 100

175 17.1 23.9 71.8#

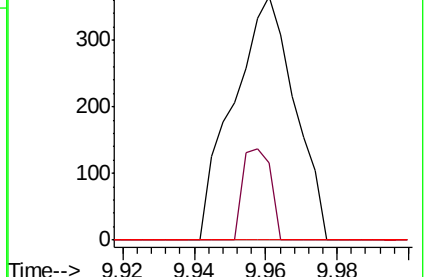
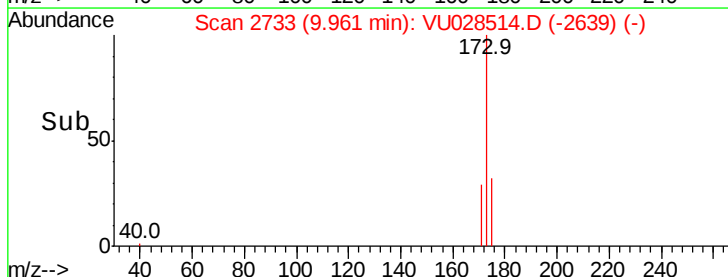
254 0.0 0.0 0.0

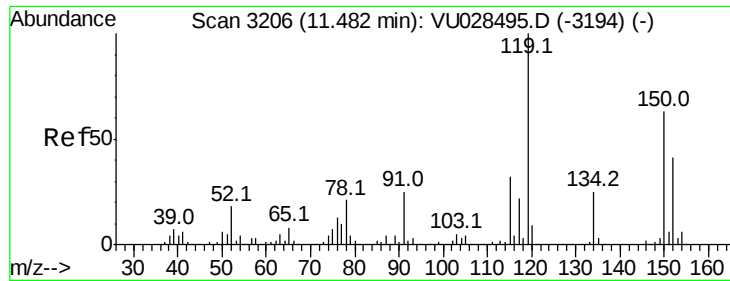


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M16W4-11-27-18

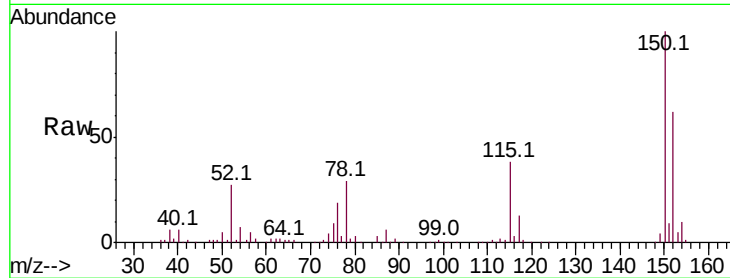
Tot Ion:152 Resp: 78754

Ion Ratio Lower Upper

152 100

115 61.7 42.7 128.1

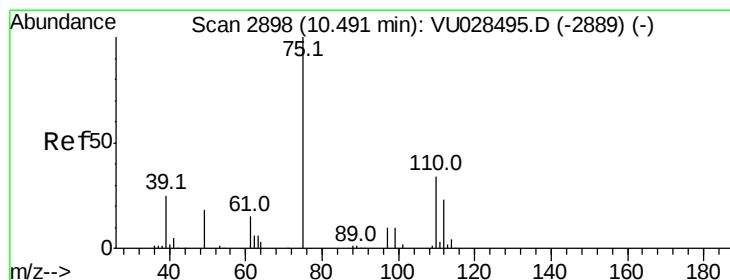
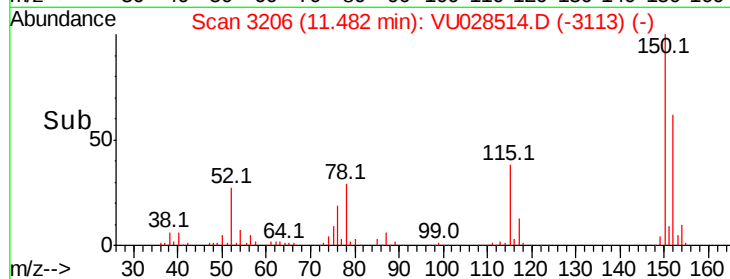
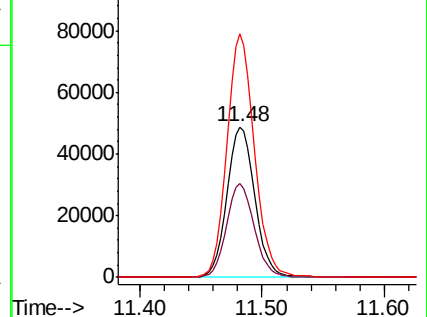
150 158.7 0.0 346.0



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: 22.323 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028514.D

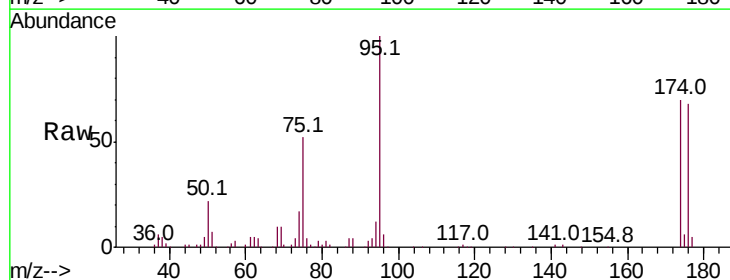
Acq: 06 Dec 2018 20:27

Tgt Ion: 75 Resp: 44891

Ion Ratio Lower Upper

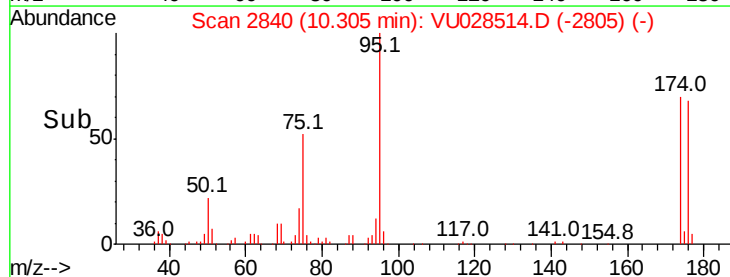
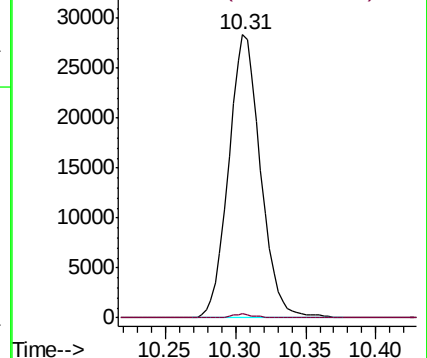
75 100

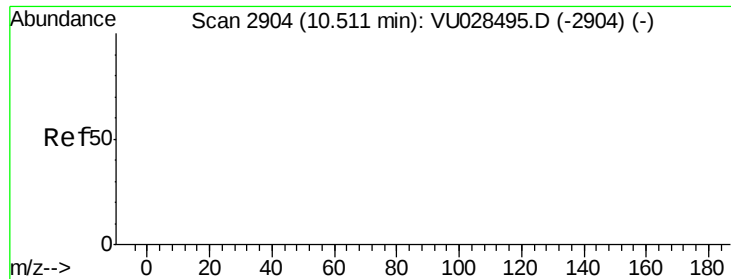
77 1.0 20.8 62.4#



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: 54.833 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028514.D

Acq: 06 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M16W4-11-27-18

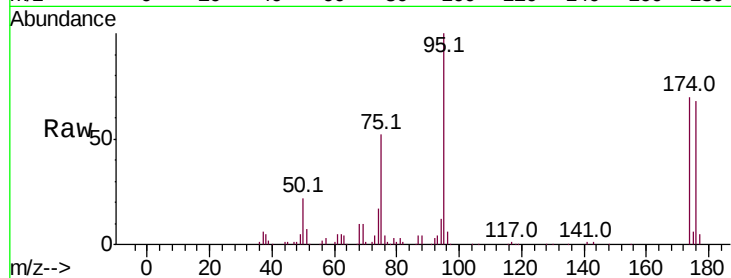
Tot Ion: 75 Resp: 44891

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

