

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034517.D
 Acq On : 12 Sep 2019 13:52
 Operator : JC/SP
 Sample : K4756-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05S-M27W1-090519

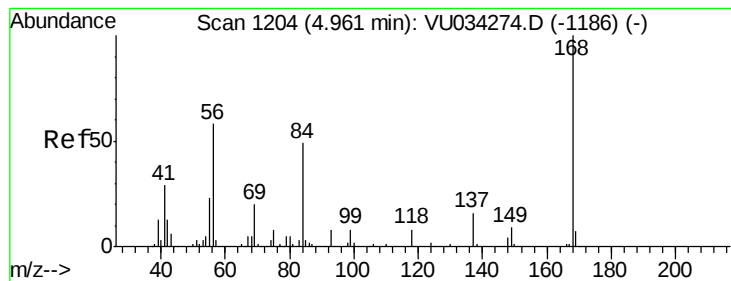
Quant Time: Sep 13 07:07:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	248815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	363025	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	370831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	208526	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	207436	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
35) Dibromofluoromethane	4.86	113	184111	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	7.55	98	654687	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	10.29	95	214322	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	328	Below Cal	#	71
6) Chloroethane	1.68	64	172	Below Cal	#	43
10) Methyl Iodide	2.40	142	145	3.897	ug/l #	43
11) Tert butyl alcohol	2.82	59	1608	2.022	ug/l #	73
16) Acetone	2.31	43	2849	1.462	ug/l	98
20) Methylene Chloride	2.70	84	336	Below Cal	#	77
31) Cyclohexane	4.96	56	3956	0.897	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17055	4.332	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22605	5.377	ug/l #	17
49) 1,4-Dioxane	6.36	88	21	0.279	ug/l #	1
60) Dibromochloromethane	8.21	129	1475	0.380	ug/l #	12
64) Tetrachloroethene	8.21	164	1790	0.556	ug/l #	84
76) 1,2,3-Trichloropropane	10.29	75	99709	21.906	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	99709	73.667	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.57	180	100	3.471	ug/l #	12
95) Naphthalene	13.83	128	42	3.969	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

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MSVOA_U

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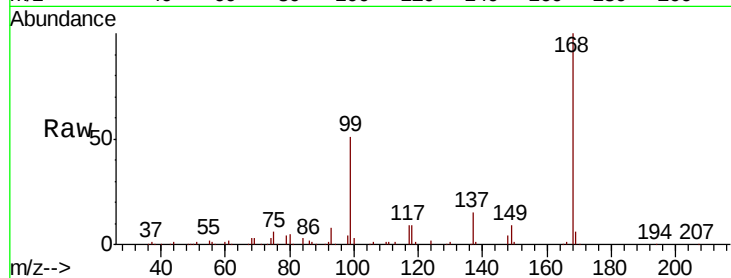
CPA-CPMW05S-M27W1-090519

Tgt Ion: 168 Resp: 248815

Ion Ratio Lower Upper

168 100

99 50.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

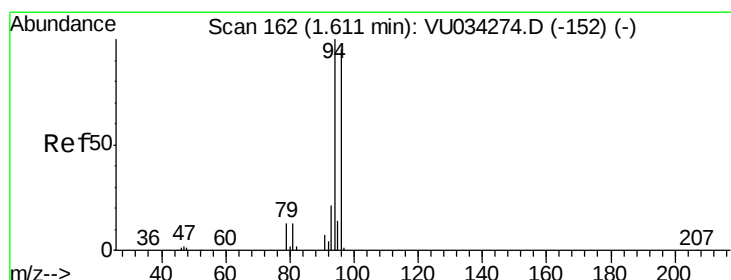
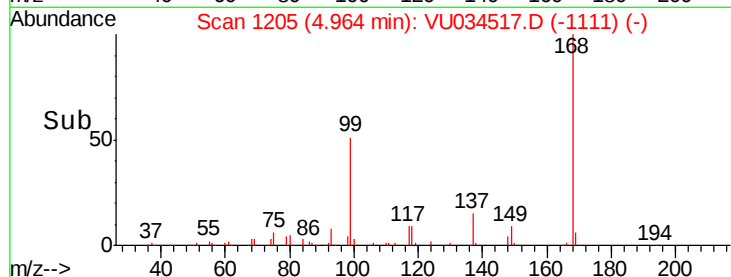
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034517.D

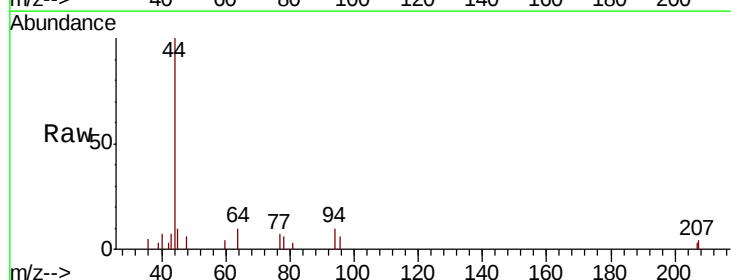
Acq: 12 Sep 2019 13:52

Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 66.8 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.62

400

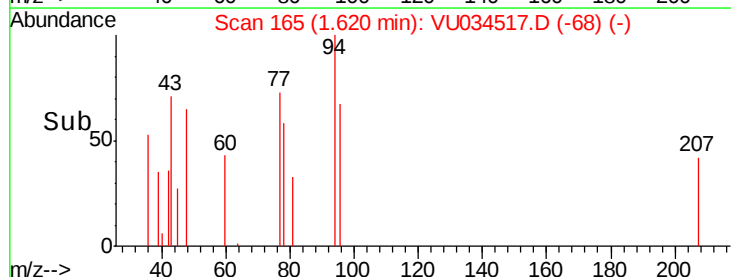
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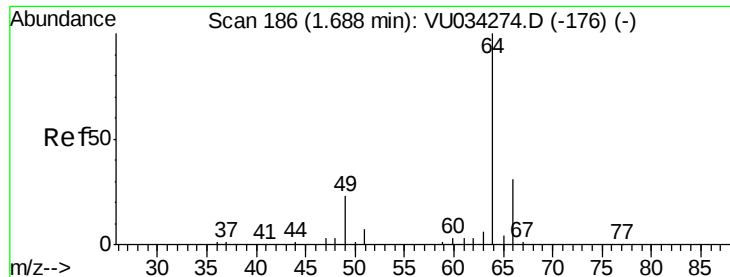
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

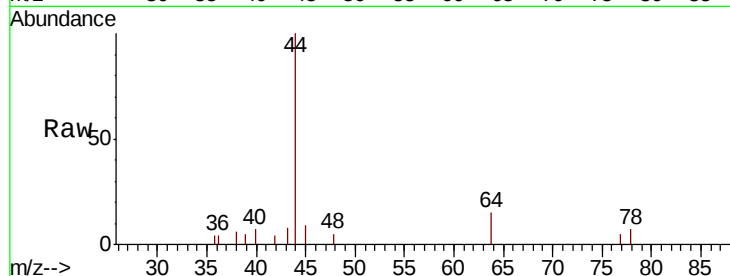
CPA-CPMW05S-M27W1-090519

Tgt Ion: 64 Resp: 172

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034517.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034517.D (-93) (-)

1.68

400

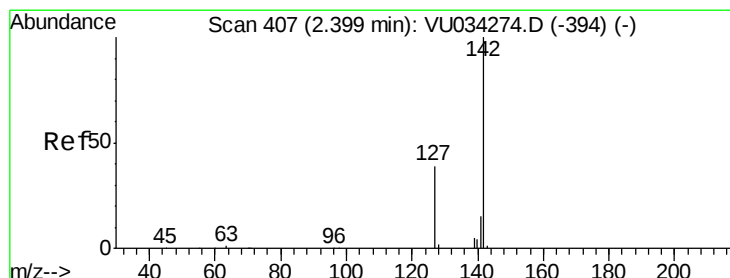
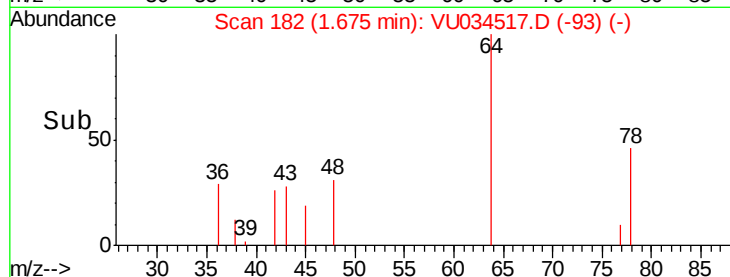
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 3.897 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

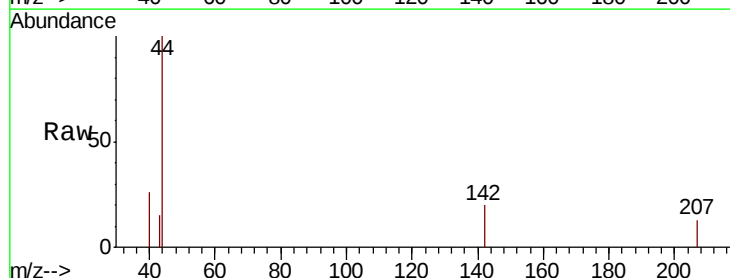
Tgt Ion: 142 Resp: 145

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034517.D (-314) (-)

Ion 126.80 (126.50 to 127.50): VU034517.D (-314) (-)

Ion 140.80 (140.50 to 141.50): VU034517.D (-314) (-)

2.40

200

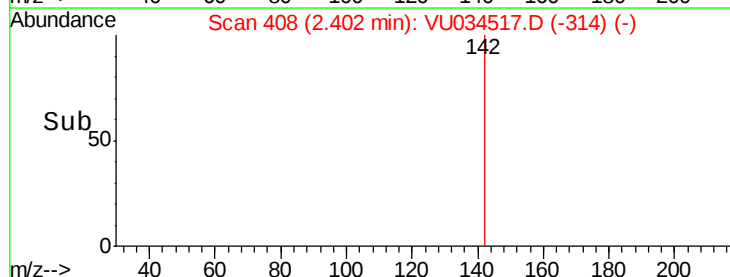
150

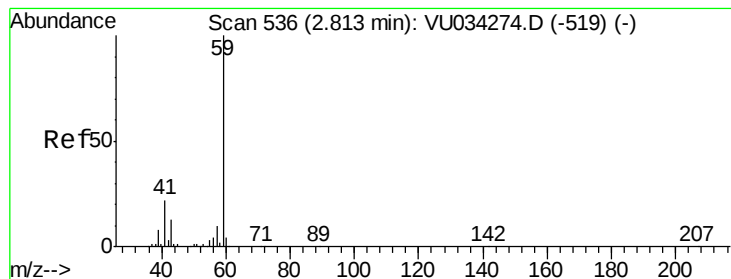
100

50

0

Time-->



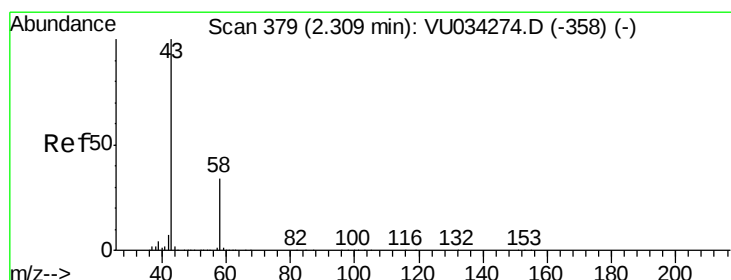
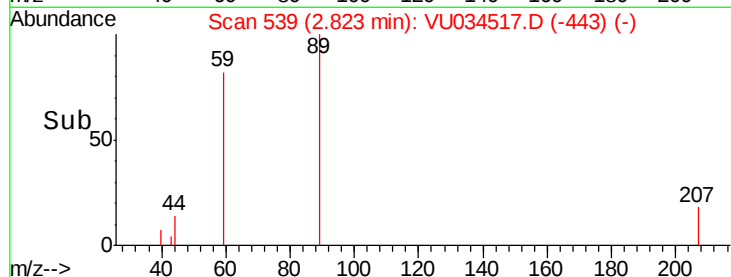
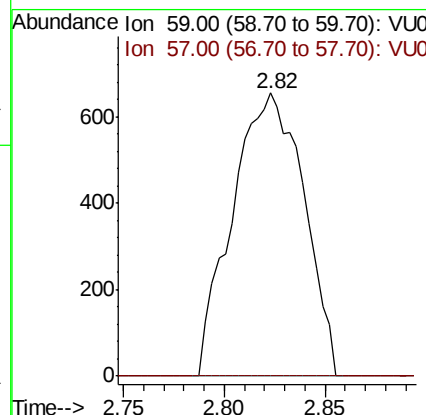
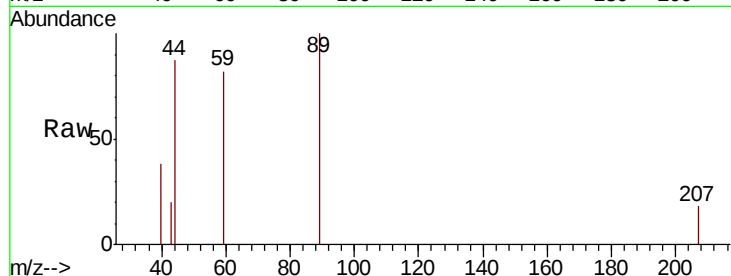


#11

Tert butyl alcohol
 Concen: 2.022 ug/l
 RT: 2.82 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05S-M27W1-090519

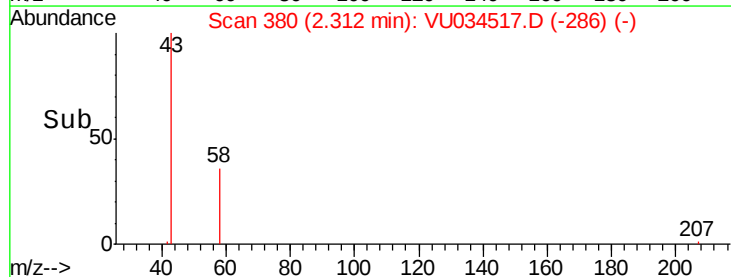
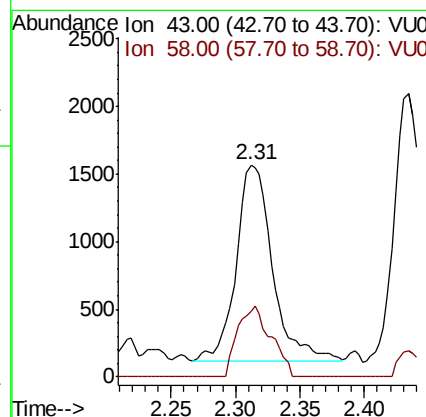
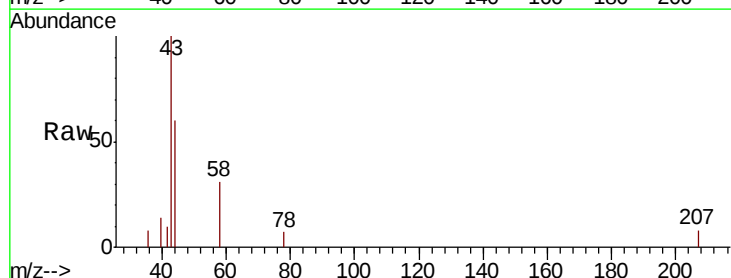
Tgt Ion: 59 Resp: 1608
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

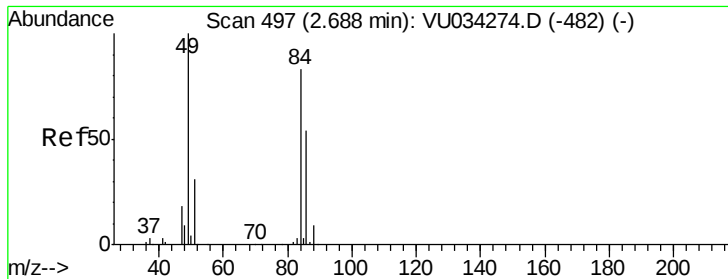


#16

Acetone
 Concen: 1.462 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

Tgt Ion: 43 Resp: 2849
 Ion Ratio Lower Upper
 43 100
 58 33.5 27.6 41.4

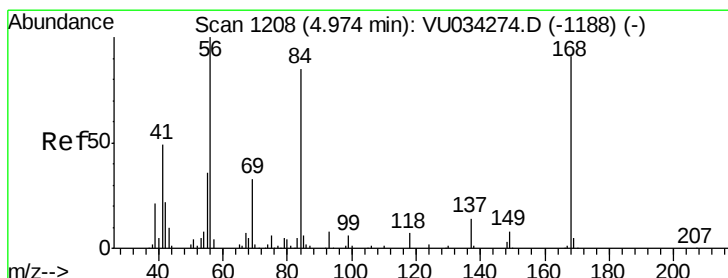
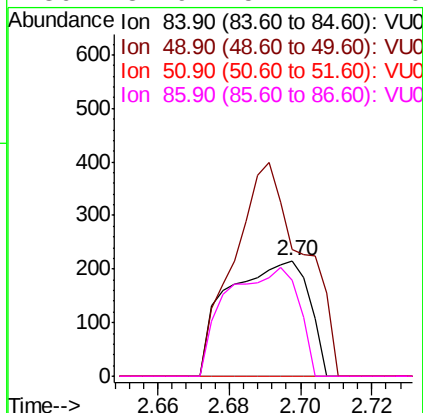
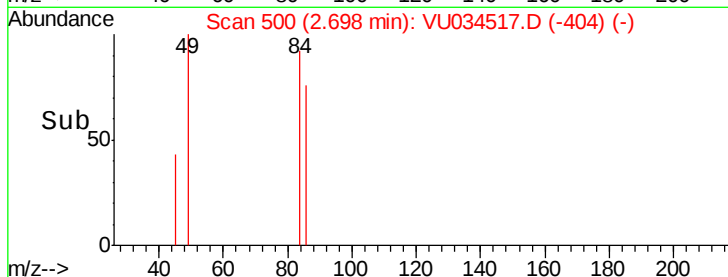
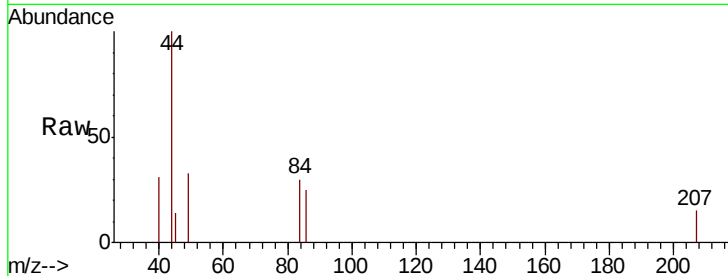




#20
Methylene Chloride
Concen: Below Cal
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU034517.D
Acq: 12 Sep 2019 13:52

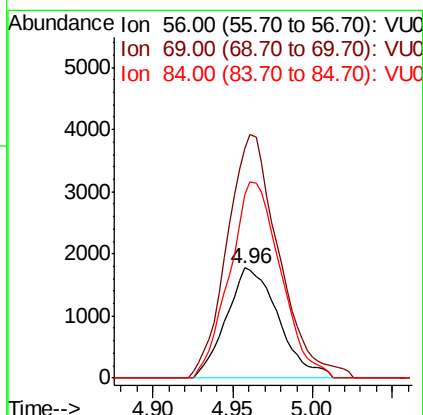
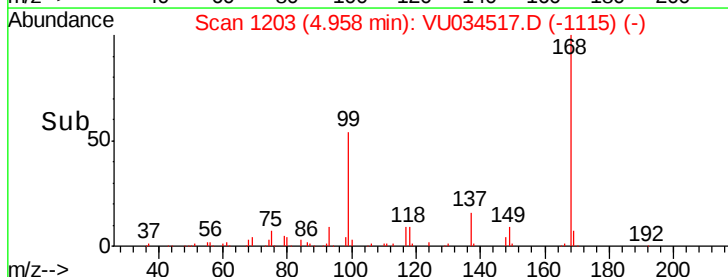
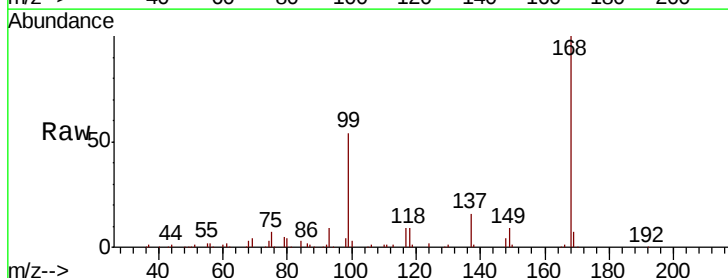
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05S-M27W1-090519

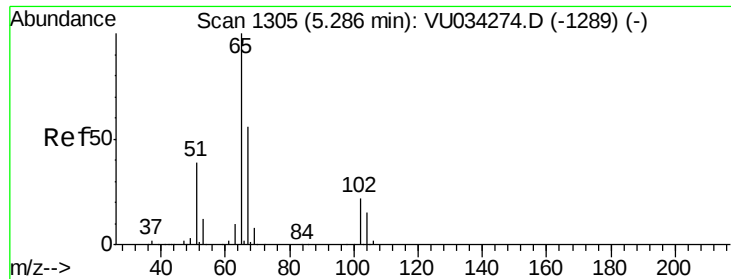
Tgt Ion: 84 Resp: 336
Ion Ratio Lower Upper
84 100
49 109.3 96.0 144.0
51 0.0 30.0 45.0#
86 82.9 51.4 77.0#



#31
Cyclohexane
Concen: 0.897 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VU034517.D
Acq: 12 Sep 2019 13:52

Tgt Ion: 56 Resp: 3956
Ion Ratio Lower Upper
56 100
69 209.2 26.7 40.1#
84 166.7 68.2 102.4#

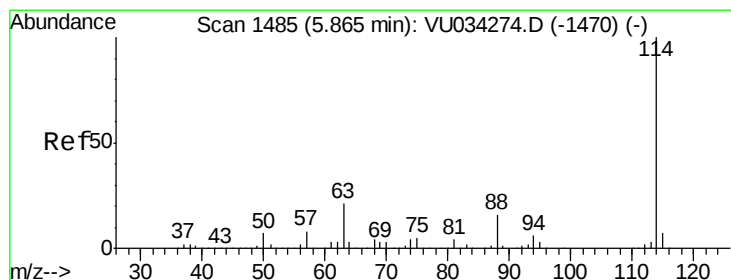
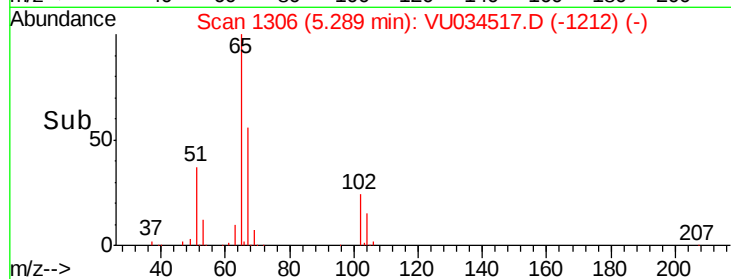
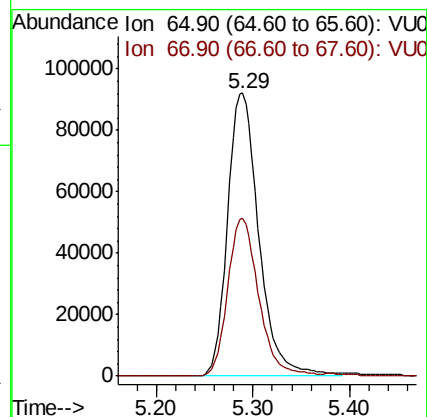
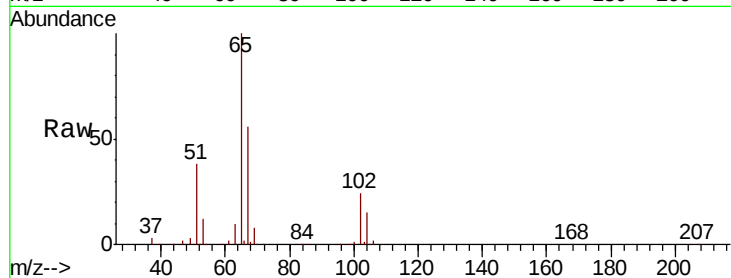




#33
 1,2-Dichloroethane-d4
 Concen: 55.101 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

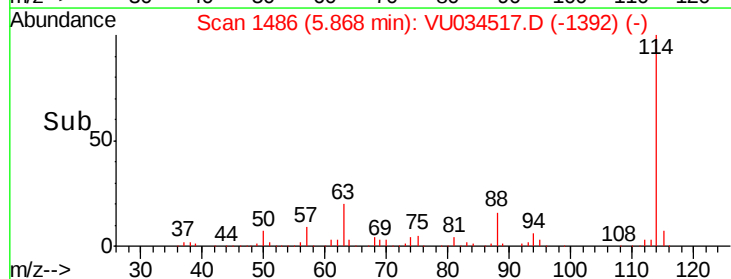
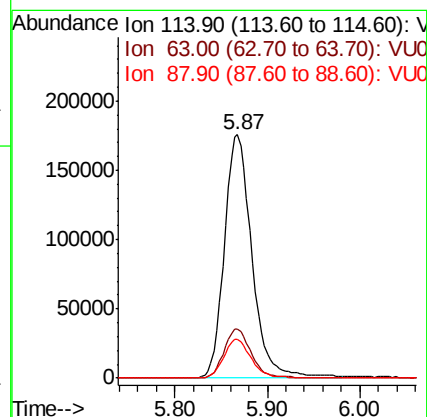
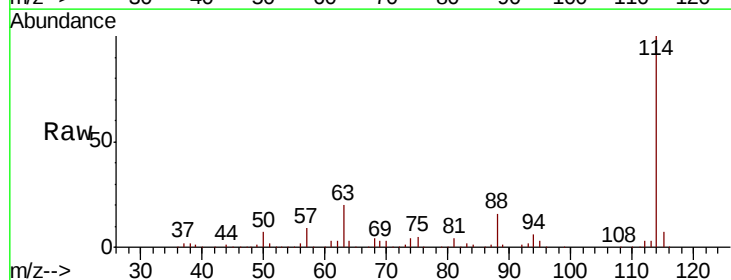
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 MSVOA_U
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 CPA-CPMW05S-M27W1-090519

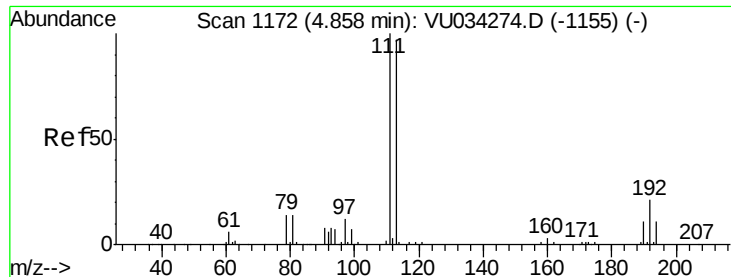
Tgt Ion: 65 Resp: 207436
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

Tgt Ion: 114 Resp: 363025
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.0 0.0 32.4

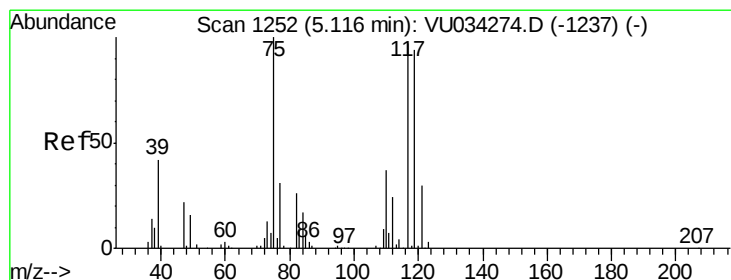
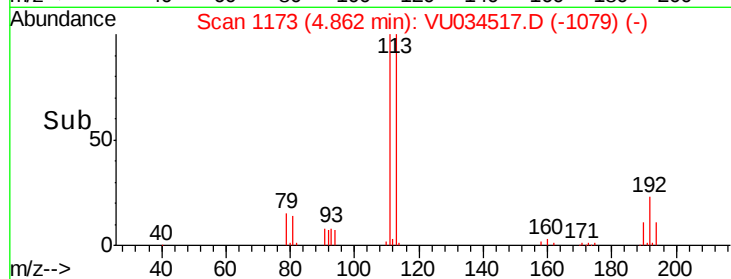
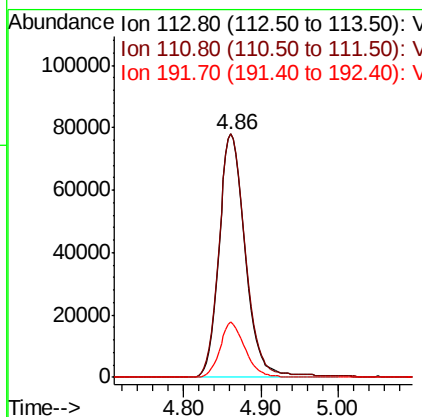
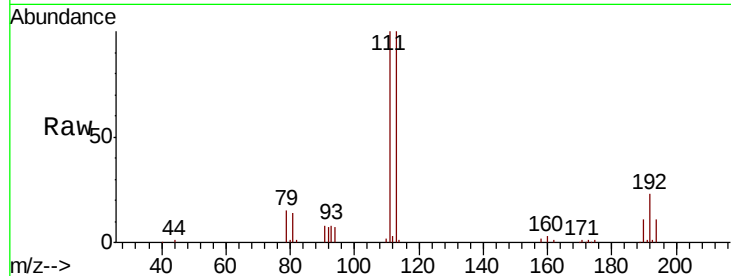




#35
 Dibromofluoromethane
 Concen: 54.504 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

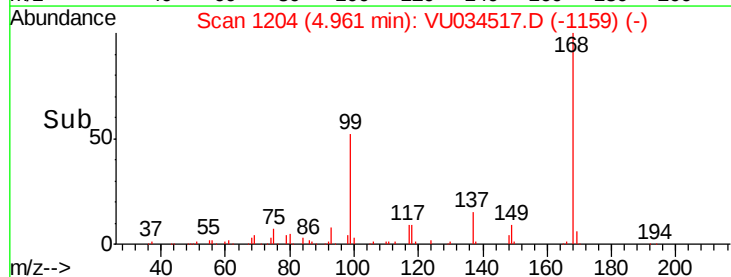
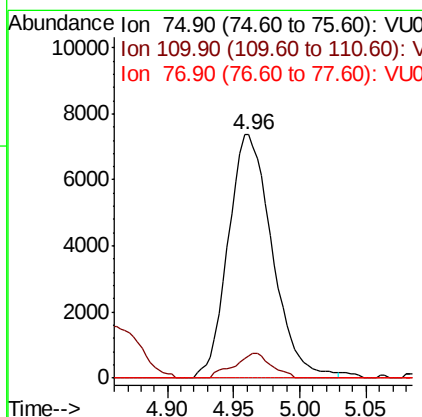
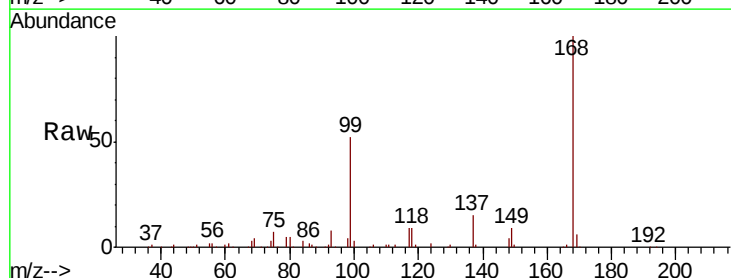
Instrument :
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 CPA-CPMW05S-M27W1-090519

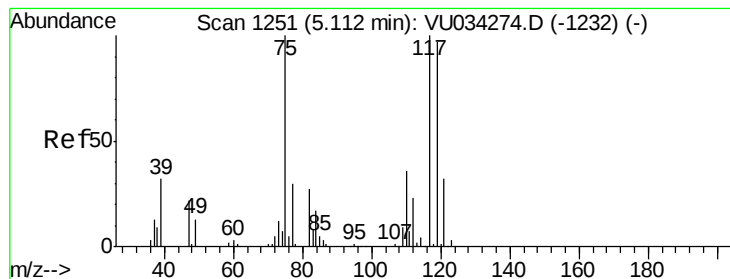
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.5	122.3
192	21.6	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.377 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05S-M27W1-090519

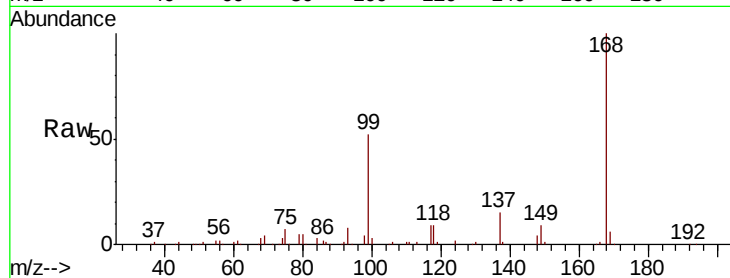
Tgt Ion:117 Resp: 22605

Ion Ratio Lower Upper

117 100

119 6.6 77.8 116.6#

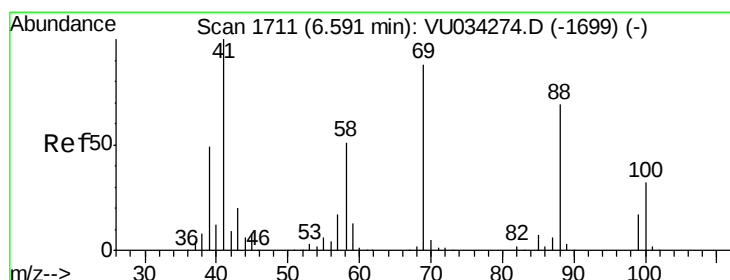
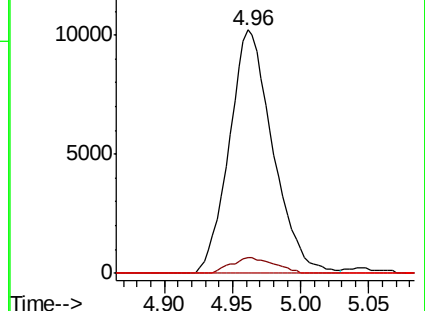
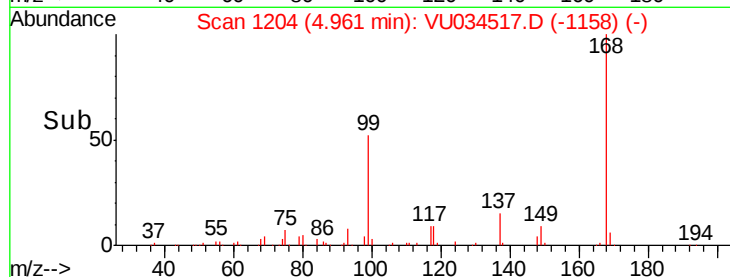
121 0.0 25.2 37.8#



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



#49

1,4-Dioxane

Concen: 0.279 ug/l

RT: 6.36 min Scan# 1640

Delta R.T. -0.23 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

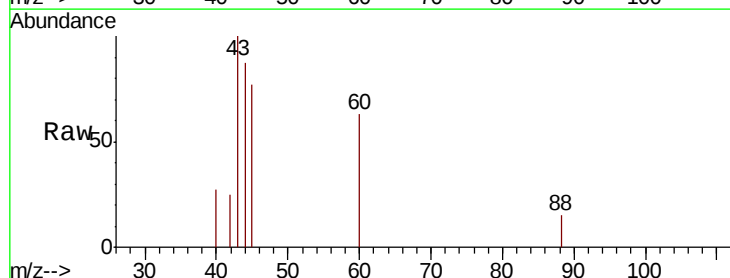
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 795.2 23.8 35.6#

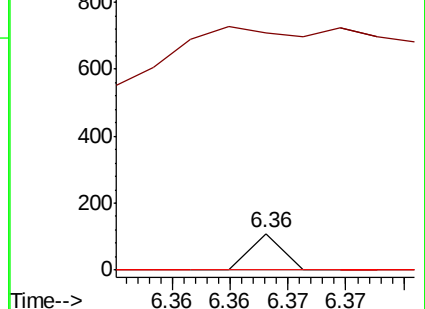
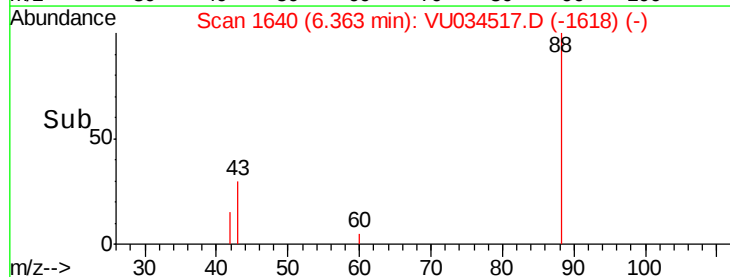
58 0.0 58.4 87.6#

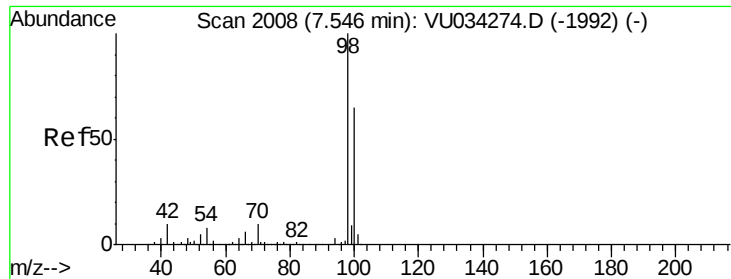


Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

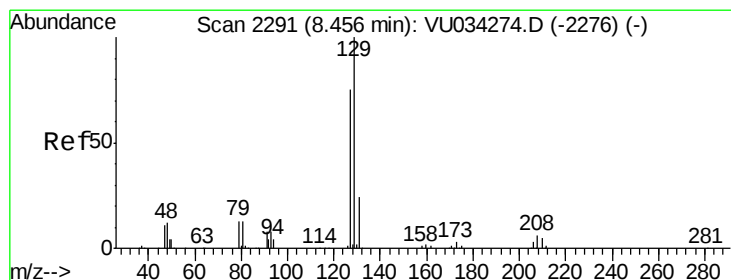
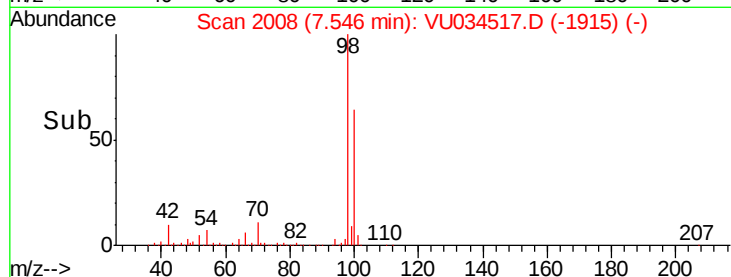
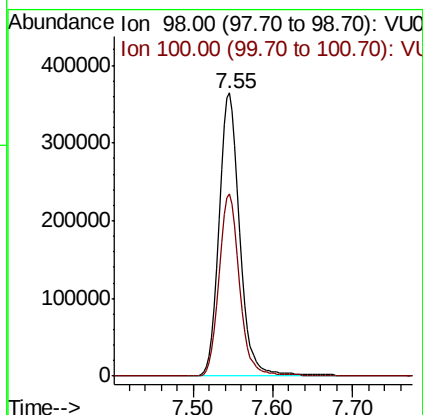
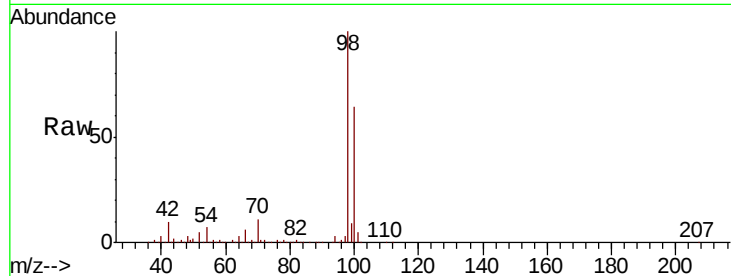




#50
Toluene-d8
Concen: 51.586 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034517.D
Acq: 12 Sep 2019 13:52

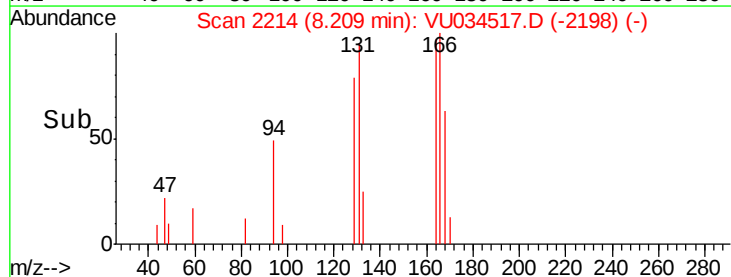
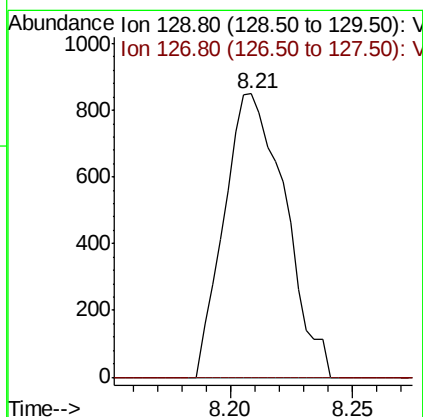
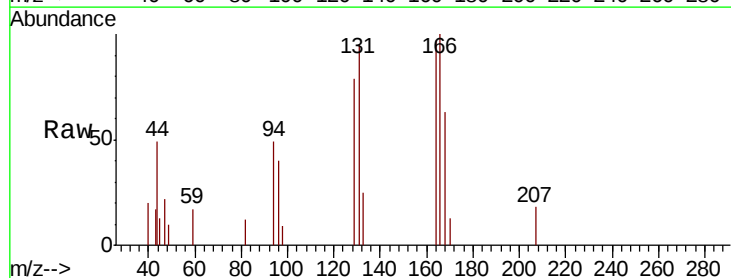
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05S-M27W1-090519

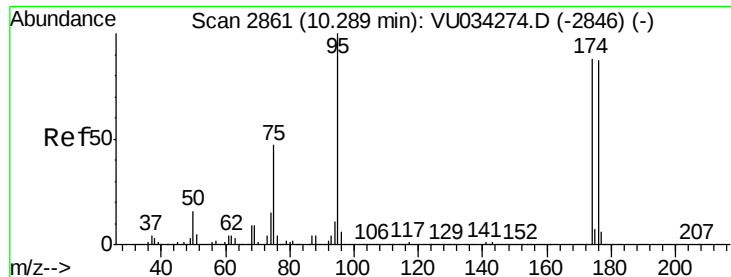
Tgt Ion: 98 Resp: 654687
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#60
Dibromochloromethane
Concen: 0.380 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU034517.D
Acq: 12 Sep 2019 13:52

Tgt Ion: 129 Resp: 1475
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.7#





#62

4-Bromofluorobenzene

Concen: 43.740 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05S-M27W1-090519

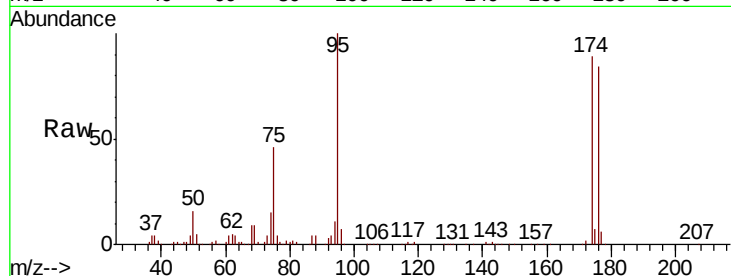
Tgt Ion: 95 Resp: 214322

Ion Ratio Lower Upper

95 100

174 89.9 0.0 175.2

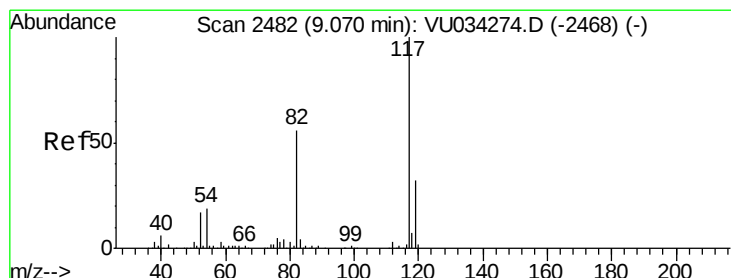
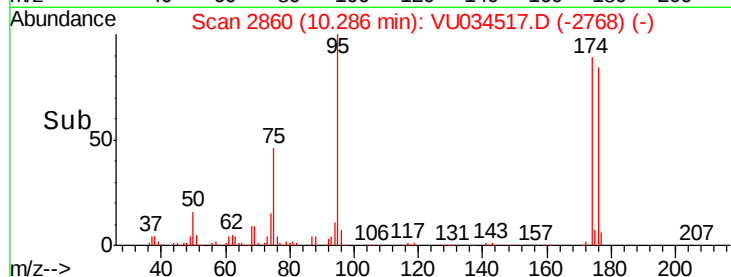
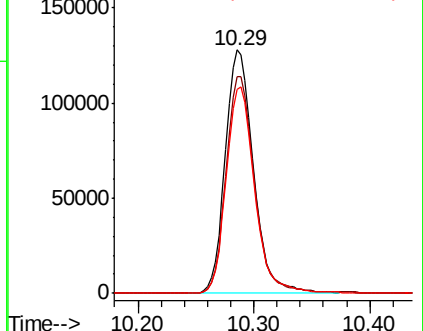
176 85.7 0.0 168.0



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: 9.07 min Scan# 2482

Delta R.T. -0.00 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

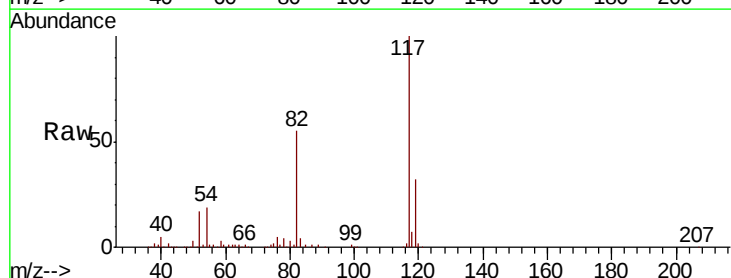
Tgt Ion: 117 Resp: 370831

Ion Ratio Lower Upper

117 100

82 54.9 44.6 67.0

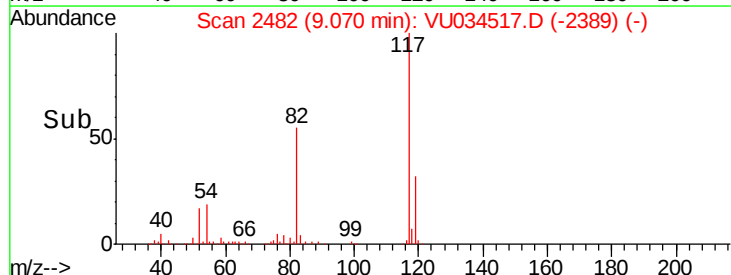
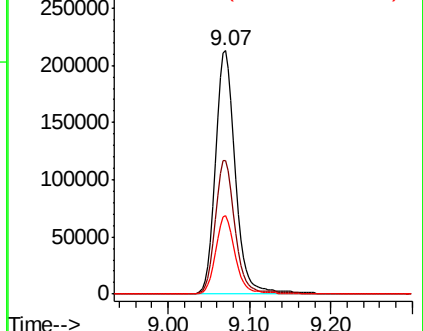
119 32.0 25.9 38.9

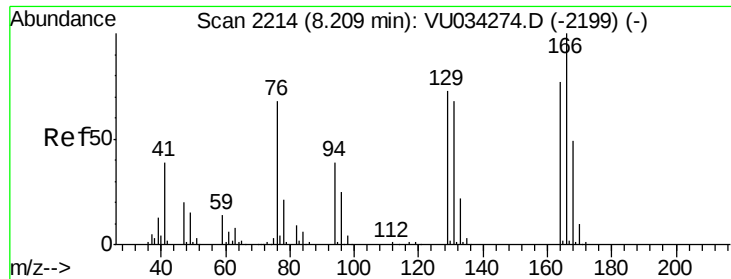


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.556 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05S-M27W1-090519

Tgt Ion:164 Resp: 1790

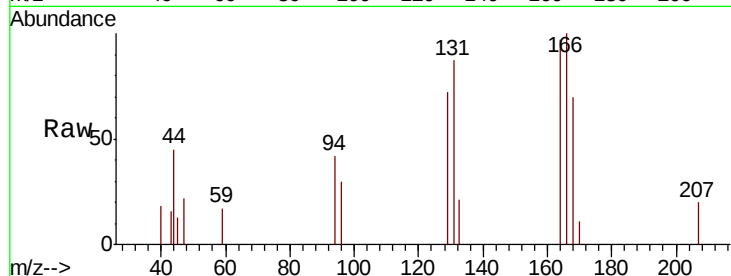
Ion Ratio Lower Upper

164 100

166 103.3 103.7 155.5#

129 74.0 75.8 113.8#

131 89.4 70.7 106.1

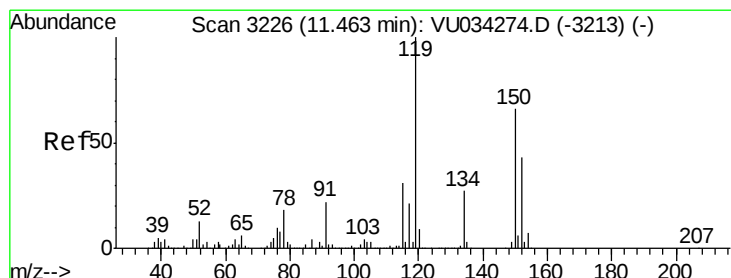
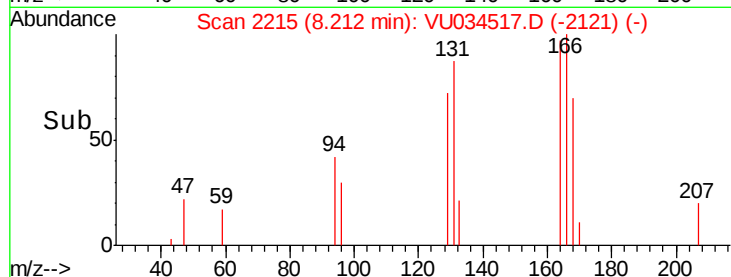
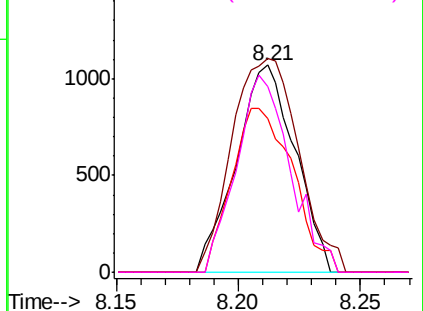


Abundance Ion 163.80 (163.50 to 164.50): V

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: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

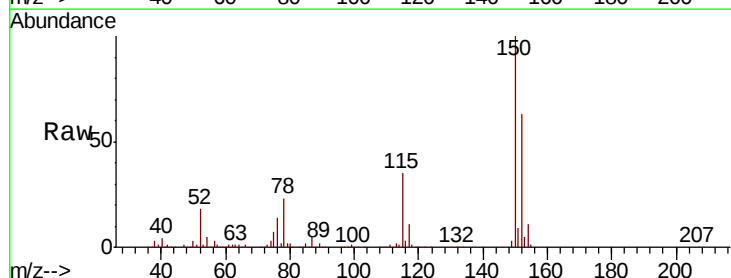
Tgt Ion:152 Resp: 208526

Ion Ratio Lower Upper

152 100

115 55.7 39.1 117.3

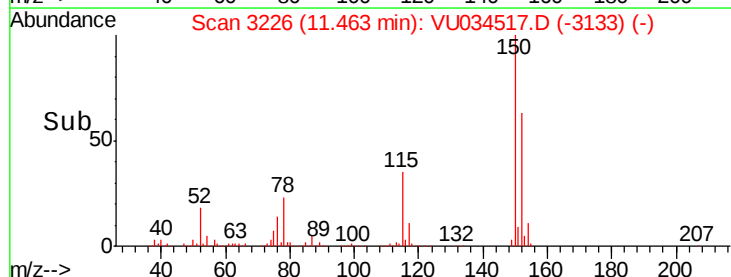
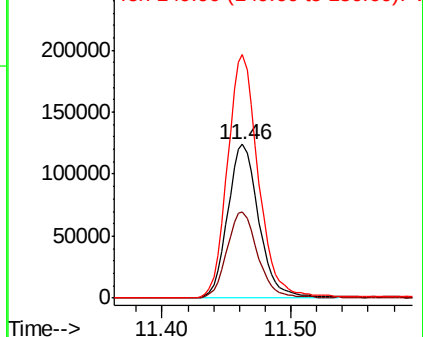
150 156.6 0.0 345.4

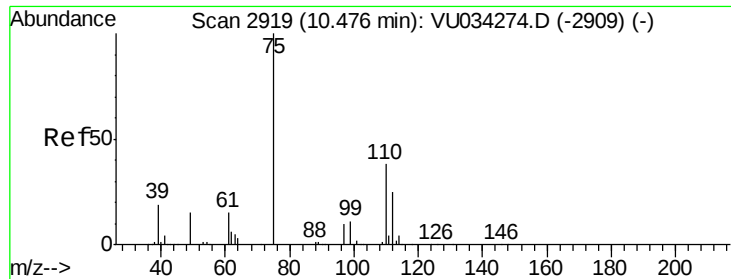


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.906 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

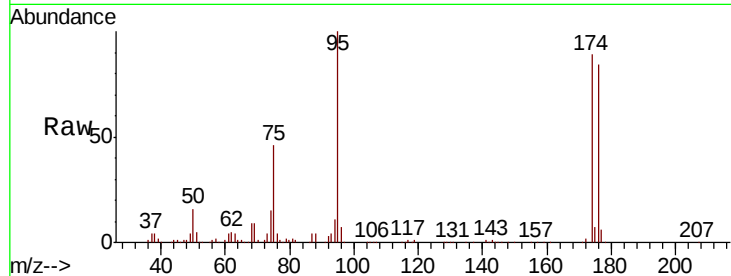
CPA-CPMW05S-M27W1-090519

Tgt Ion: 75 Resp: 99709

Ion Ratio Lower Upper

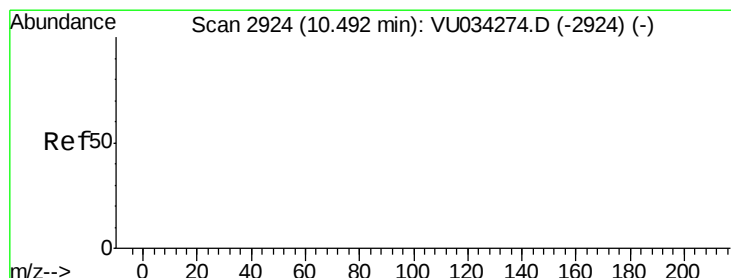
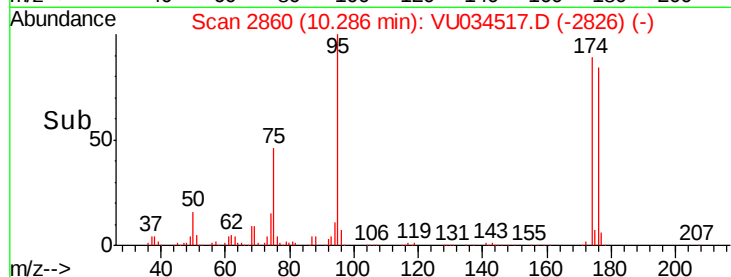
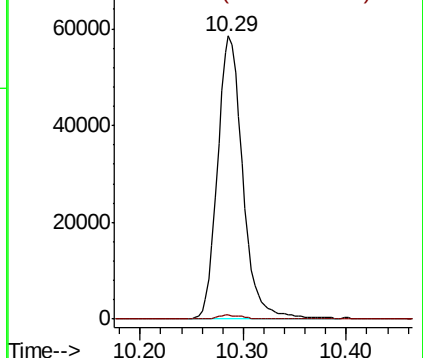
75 100

77 1.4 20.8 62.2#



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: 73.667 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034517.D

Acq: 12 Sep 2019 13:52

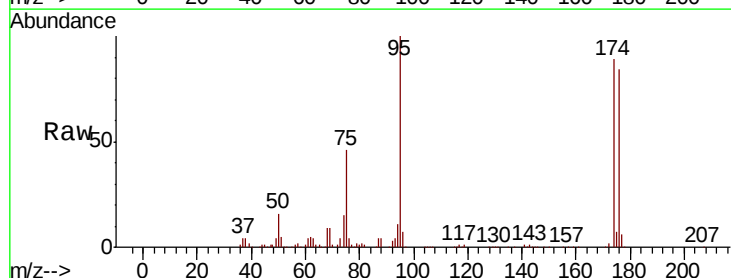
Tgt Ion: 75 Resp: 99709

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

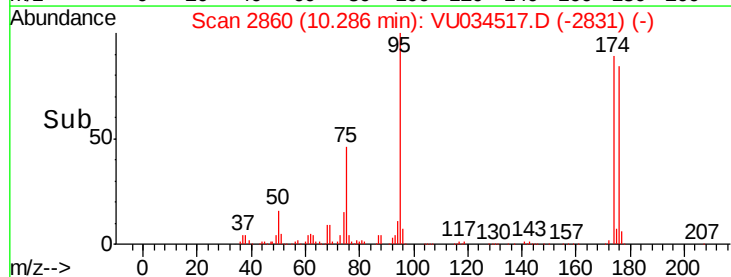
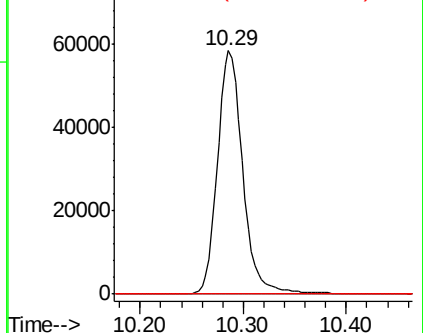
89 0.0 0.0 0.0

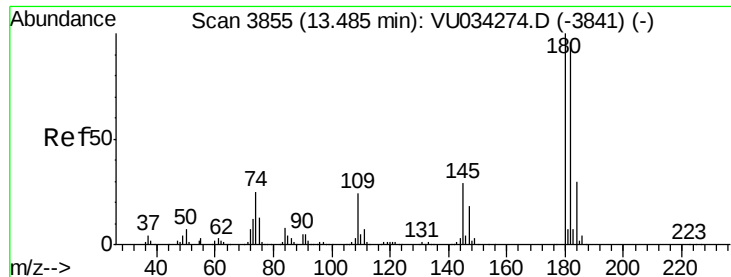


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

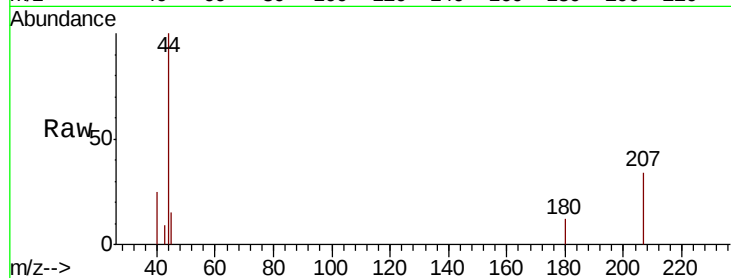




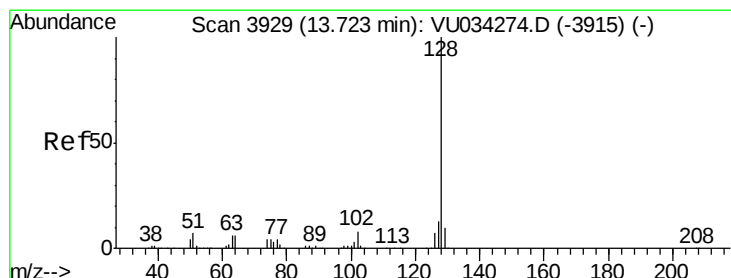
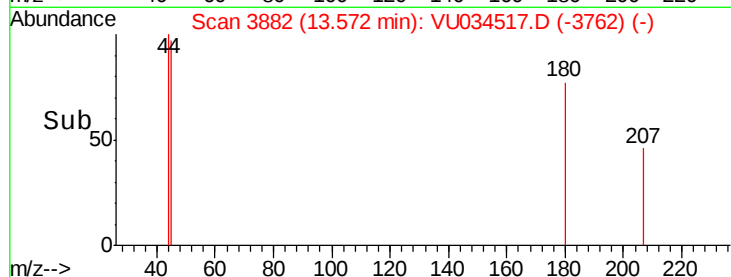
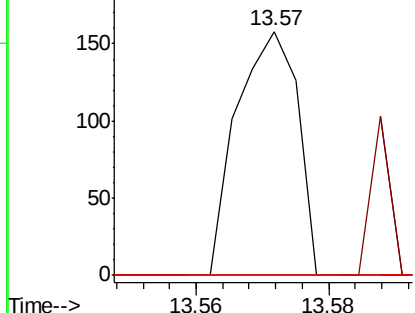
#93
 1,2,4-Trichlorobenzene
 Concen: 3.471 ug/l
 RT: 13.57 min Scan# 3882
 Delta R.T. 0.09 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05S-M27W1-090519

Tgt Ion:180 Resp: 100
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.8#
 145 0.0 14.4 43.0#

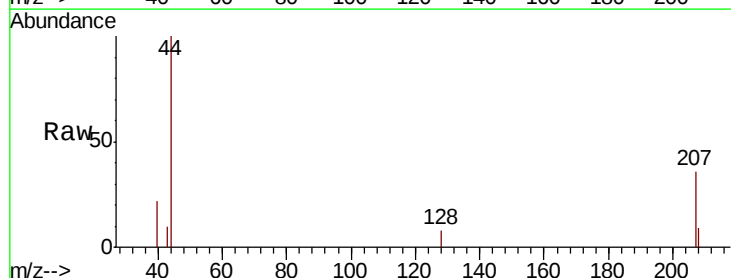


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.969 ug/l
 RT: 13.83 min Scan# 3963
 Delta R.T. 0.11 min
 Lab File: VU034517.D
 Acq: 12 Sep 2019 13:52

Tgt Ion:128 Resp: 42
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.4 12.6#



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

