

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034538.D
 Acq On : 12 Sep 2019 22:16
 Operator : JC/SP
 Sample : K4756-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW02S-M27W1-090419-D

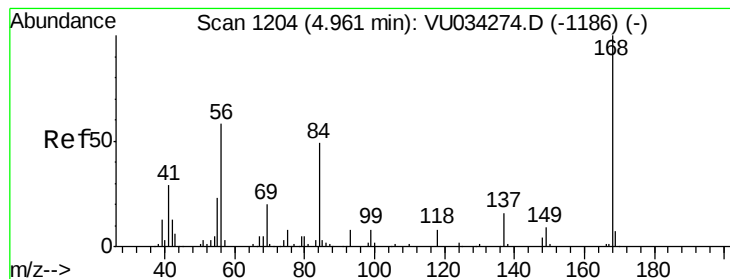
Quant Time: Sep 13 07:14:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	250468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	380475	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	385247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	220984	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	216641	57.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.34%		
35) Dibromofluoromethane	4.86	113	189991	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.32%		
50) Toluene-d8	7.55	98	685465	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.06%		
62) 4-Bromofluorobenzene	10.29	95	230489	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	485	Below Cal		87
6) Chloroethane	1.70	64	166	Below Cal	#	43
10) Methyl Iodide	2.41	142	112	3.885	ug/l #	43
11) Tert butyl alcohol	2.82	59	1207	1.508	ug/l #	73
16) Acetone	2.31	43	4211	2.147	ug/l	90
18) Methyl Acetate	2.43	43	7241	1.517	ug/l #	52
20) Methylene Chloride	2.69	84	285	Below Cal	#	87
31) Cyclohexane	4.96	56	4231	0.953	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17539	4.251	ug/l #	49
38) Carbon Tetrachloride	4.96	117	21620	4.907	ug/l #	16
60) Dibromochloromethane	8.21	129	1368	0.336	ug/l #	12
64) Tetrachloroethene	8.21	164	1490	0.446	ug/l #	81
76) 1,2,3-Trichloropropane	10.29	75	108584	22.511	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	108584	75.702	ug/l #	100

(#) = 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

Lab File: VU034538.D

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MSVOA_U

ClientSampleId :

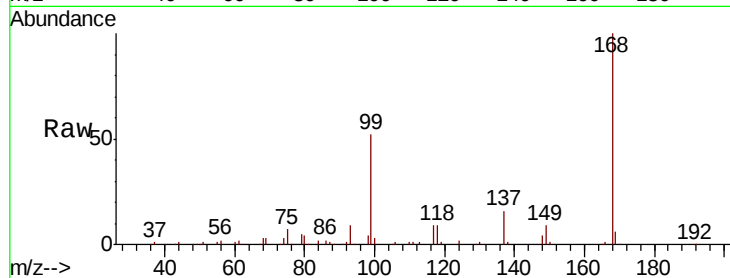
CPA-CPMW02S-M27W1-090419-D

Tgt Ion:168 Resp: 250468

Ion Ratio Lower Upper

168 100

99 51.7 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

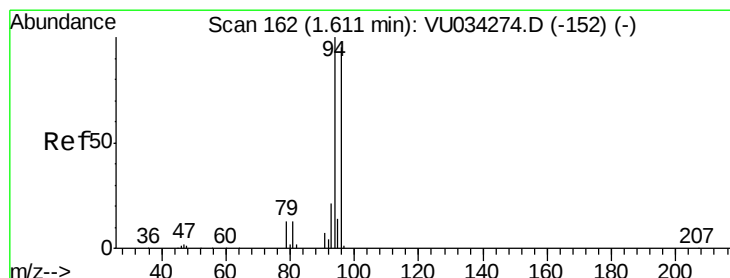
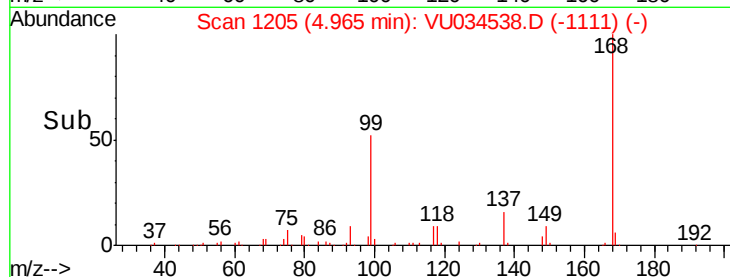
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034538.D

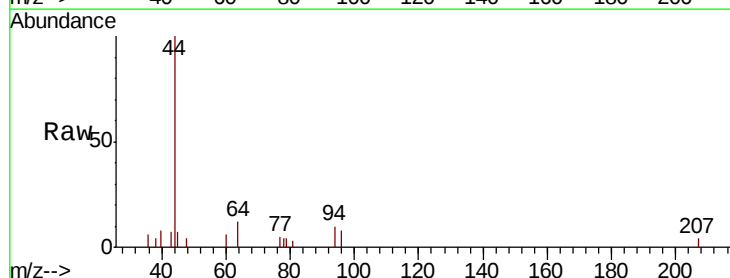
Acq: 12 Sep 2019 22:16

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

94 100

96 81.7 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) (-)

1.63

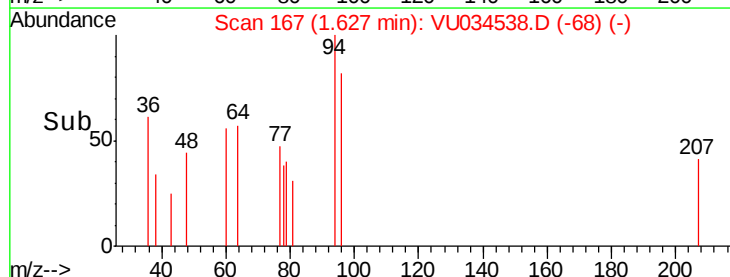
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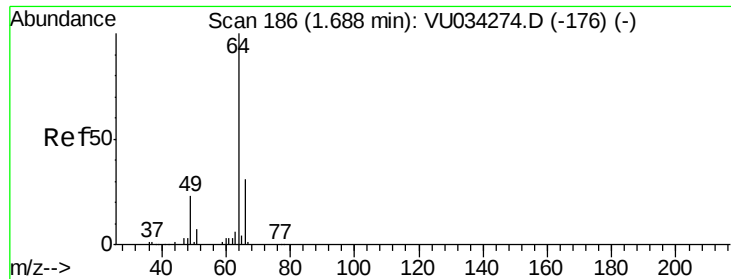
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 191

Delta R.T. 0.02 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

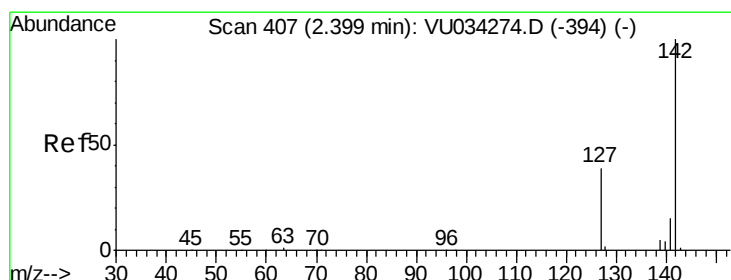
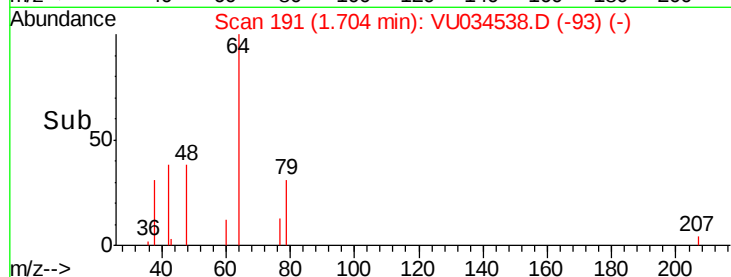
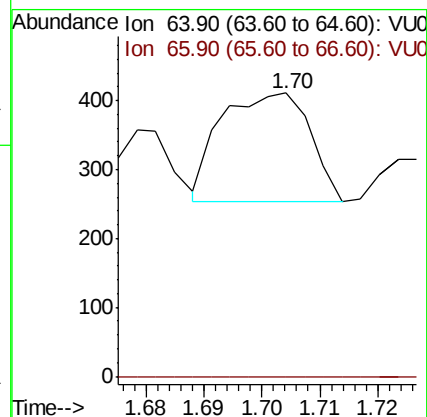
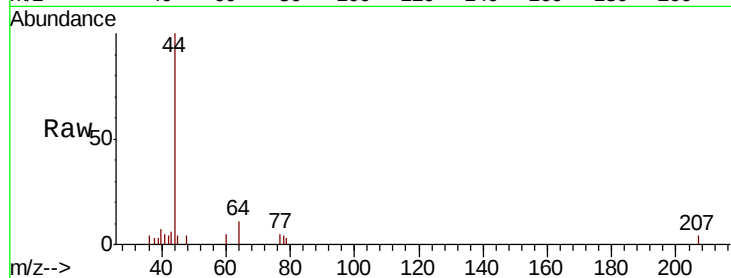
CPA-CPMW02S-M27W1-090419-D

Tgt Ion: 64 Resp: 166

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.885 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

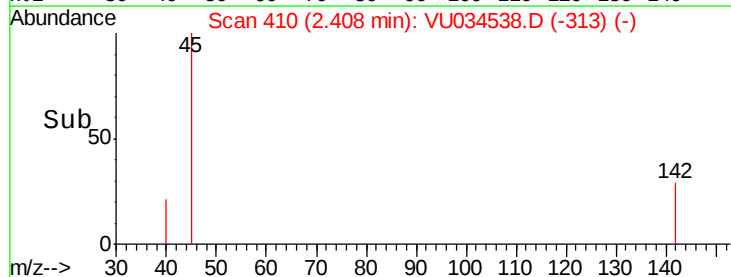
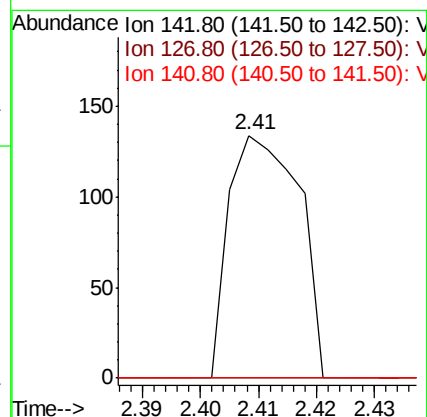
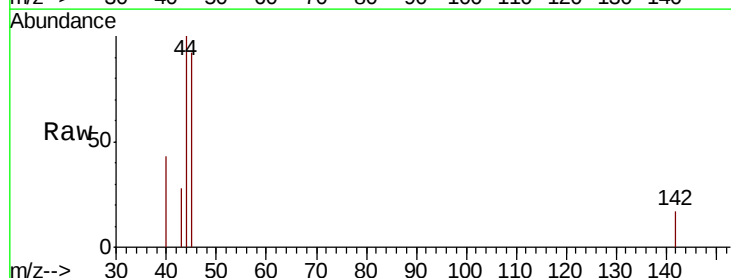
Tgt Ion: 142 Resp: 112

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



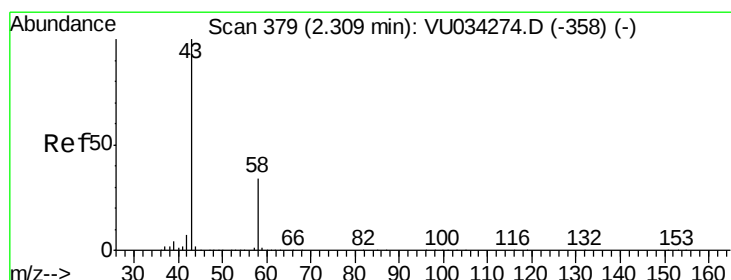
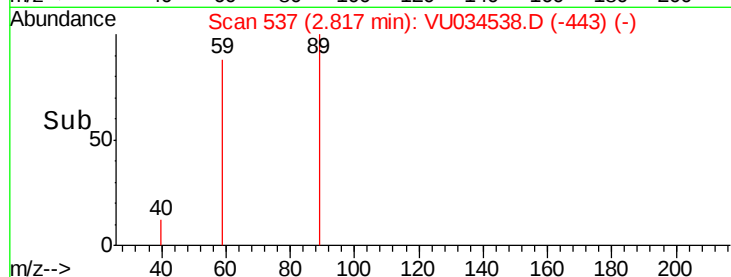
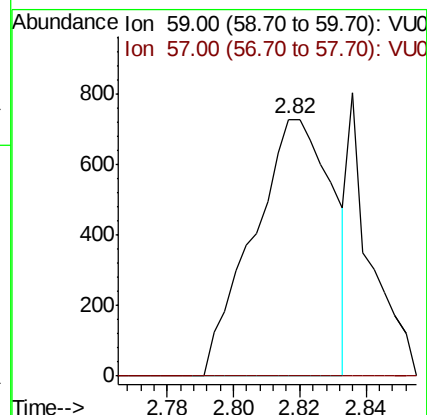
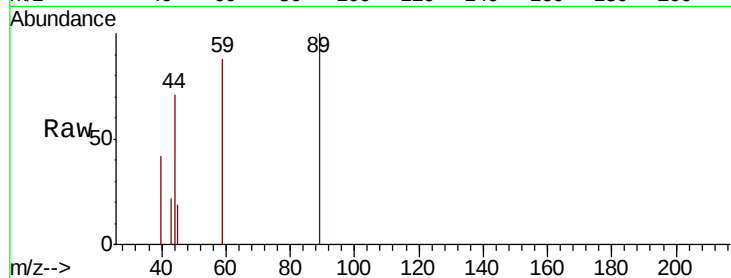


#11

Tert butyl alcohol
 Concen: 1.508 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VU034538.D
 Acq: 12 Sep 2019 22:16

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW02S-M27W1-090419-D

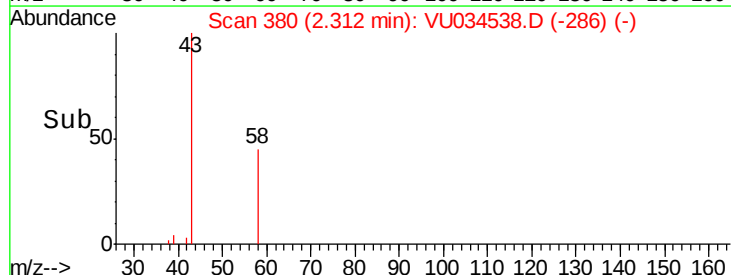
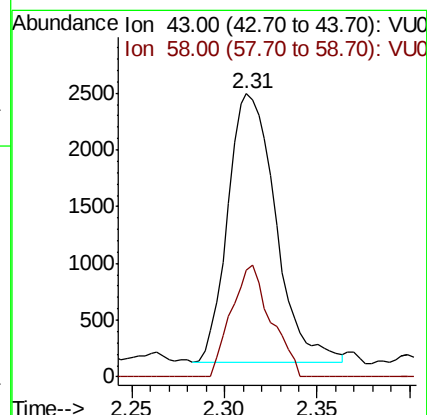
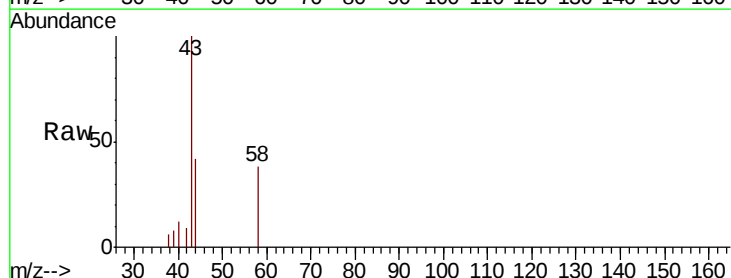
Tgt Ion: 59 Resp: 1207
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

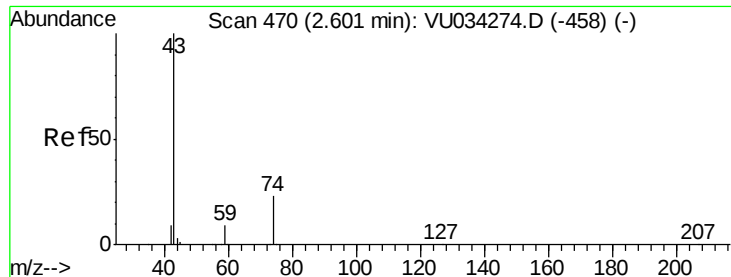


#16

Acetone
 Concen: 2.147 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034538.D
 Acq: 12 Sep 2019 22:16

Tgt Ion: 43 Resp: 4211
 Ion Ratio Lower Upper
 43 100
 58 40.1 27.6 41.4

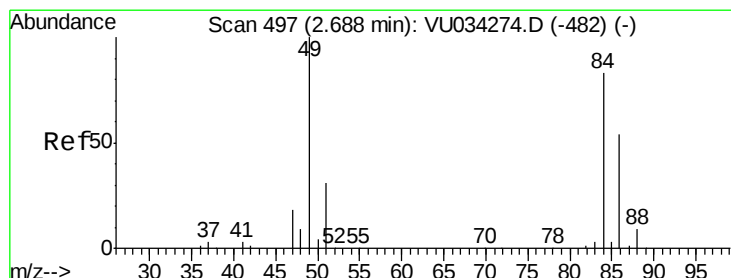
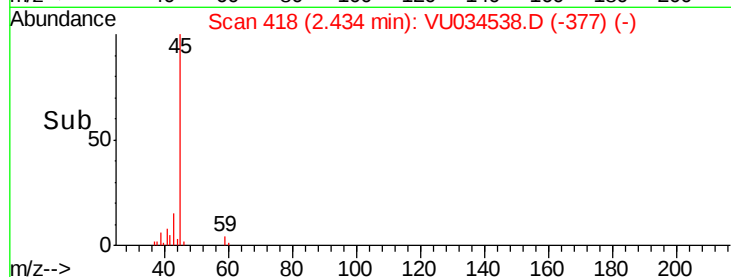
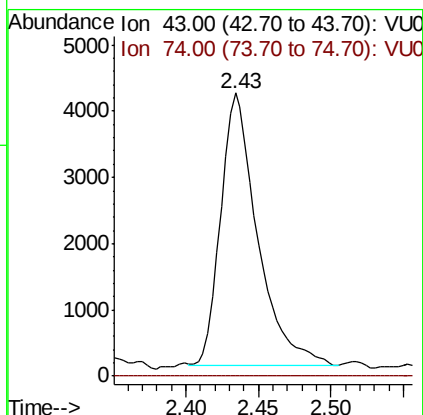
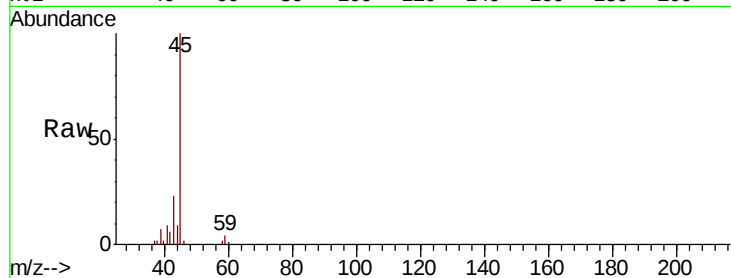




#18
Methyl Acetate
Concen: 1.517 ug/l
RT: 2.43 min Scan# 418
Delta R.T. -0.17 min
Lab File: VU034538.D
Acq: 12 Sep 2019 22:16

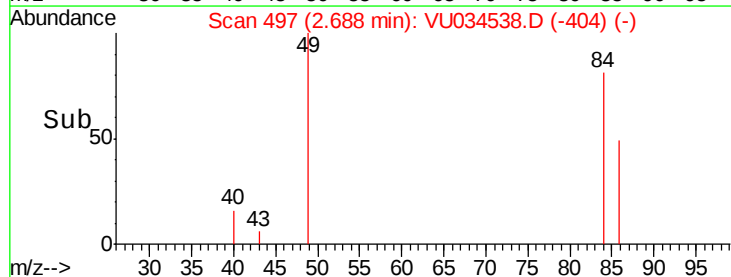
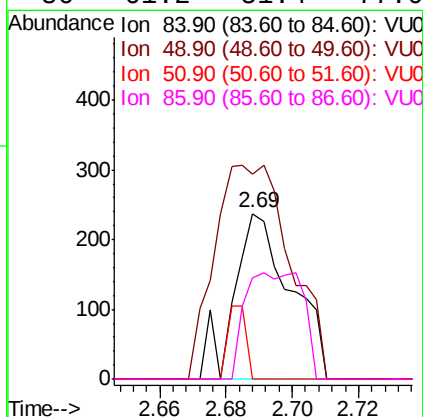
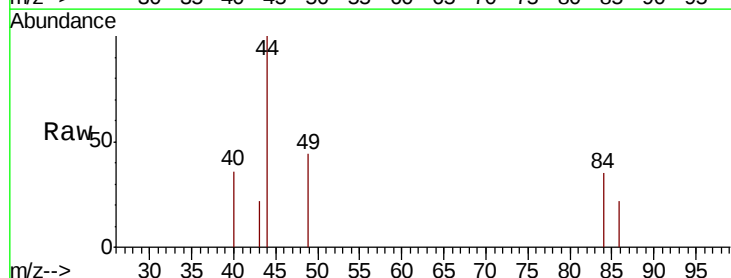
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW02S-M27W1-090419-D

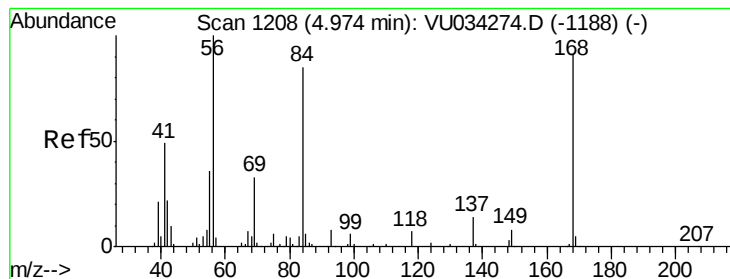
Tgt Ion: 43 Resp: 7241
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034538.D
Acq: 12 Sep 2019 22:16

Tgt Ion: 84 Resp: 285
Ion Ratio Lower Upper
84 100
49 123.6 96.0 144.0
51 0.0 30.0 45.0#
86 61.2 51.4 77.0





#31

Cyclohexane

Concen: 0.953 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02S-M27W1-090419-D

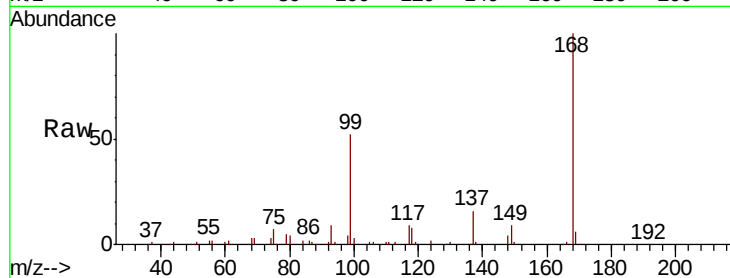
Tgt Ion: 56 Resp: 4231

Ion Ratio Lower Upper

56 100

69 171.5 26.7 40.1#

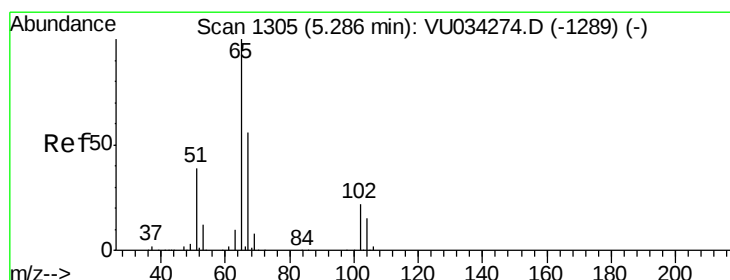
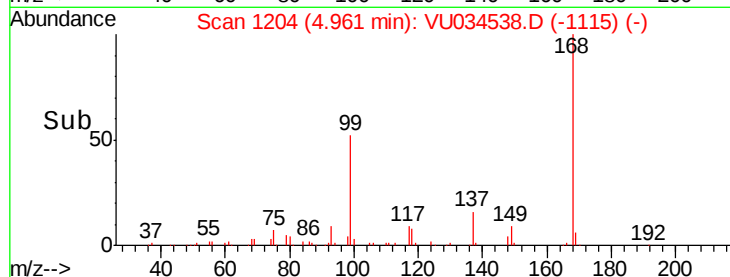
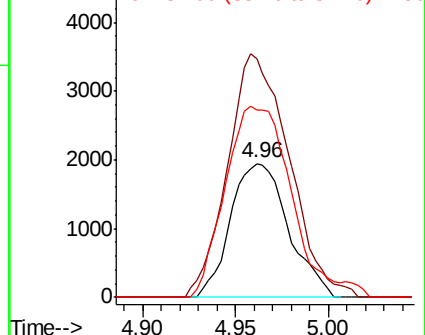
84 139.8 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034538.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034538.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034538.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.166 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034538.D

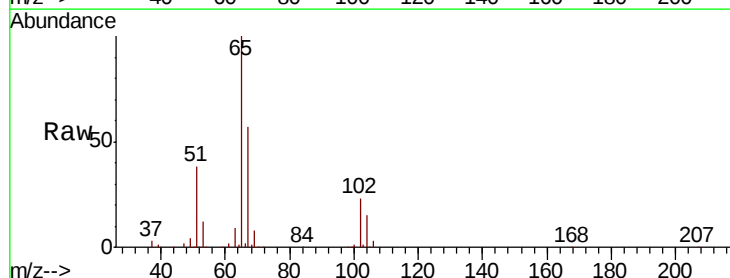
Acq: 12 Sep 2019 22:16

Tgt Ion: 65 Resp: 216641

Ion Ratio Lower Upper

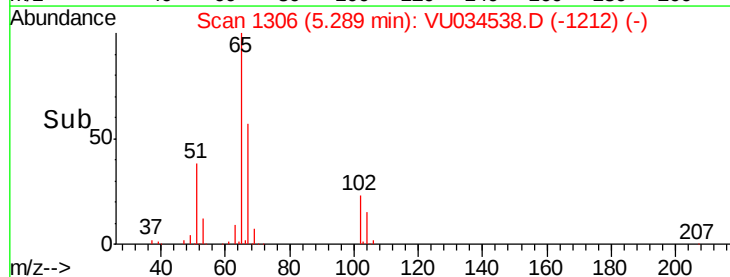
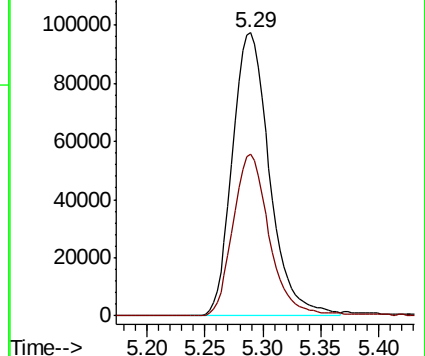
65 100

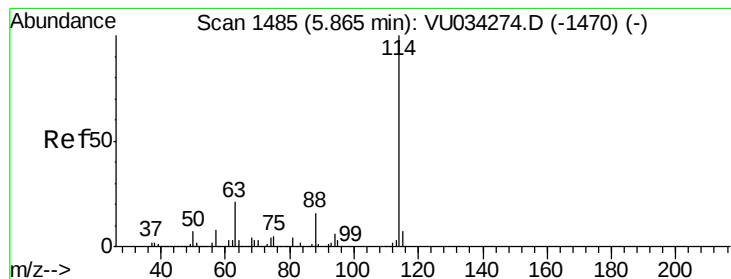
67 55.9 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034538.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034538.D (-1212) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02S-M27W1-090419-D

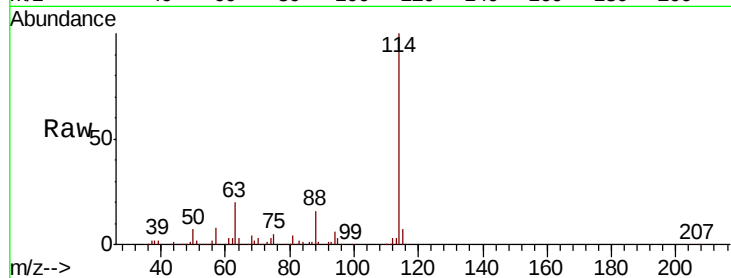
Tgt Ion:114 Resp: 380475

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

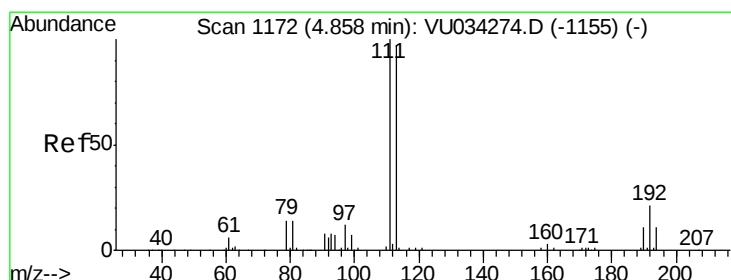
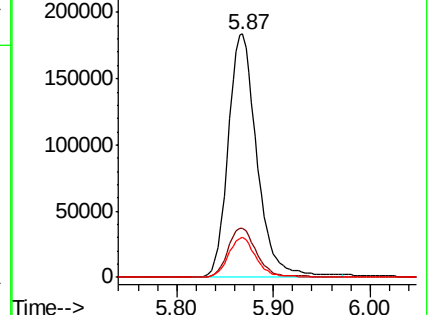
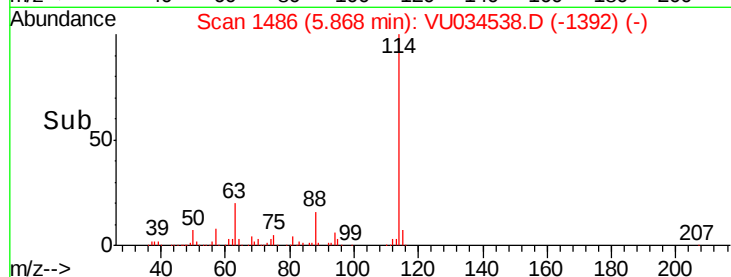
88 16.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 53.665 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

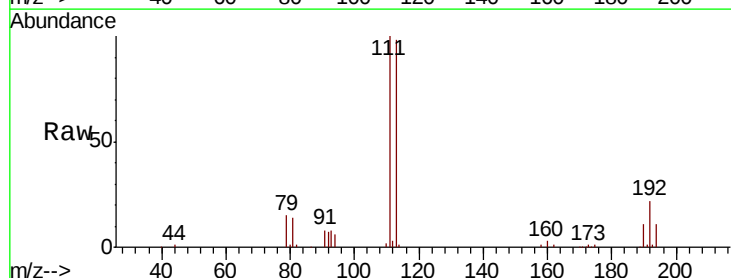
Tgt Ion:113 Resp: 189991

Ion Ratio Lower Upper

113 100

111 103.3 81.5 122.3

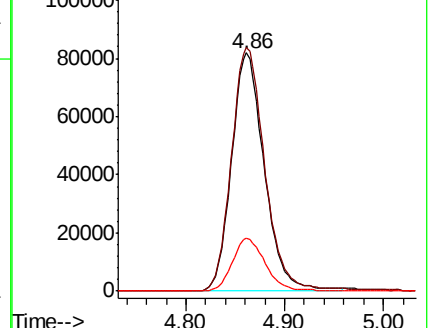
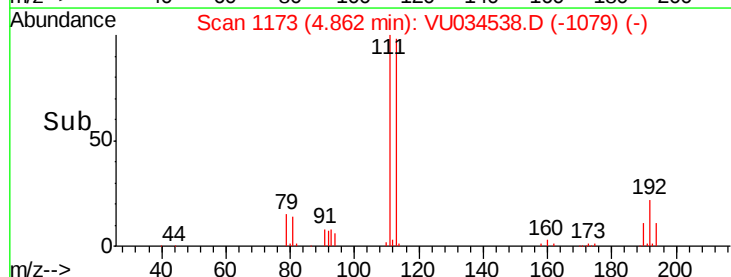
192 22.2 17.8 26.8

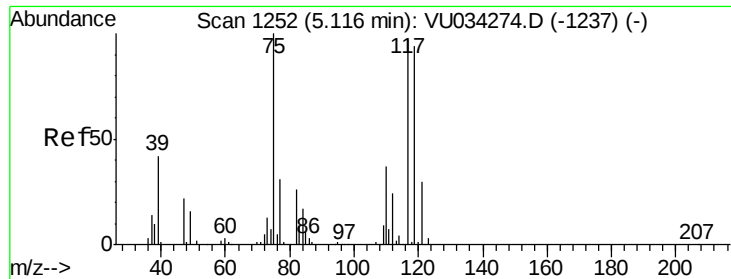


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.251 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

Instrument :

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CPA-CPMW02S-M27W1-090419-D

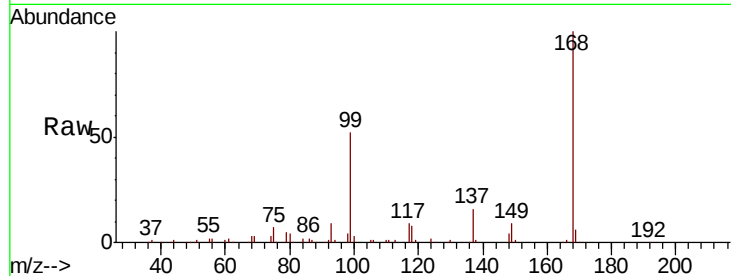
Tgt Ion: 75 Resp: 17539

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.9#

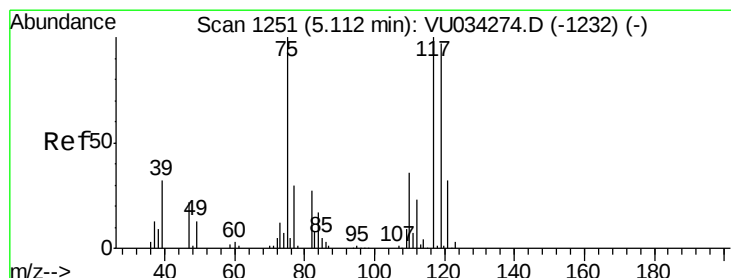
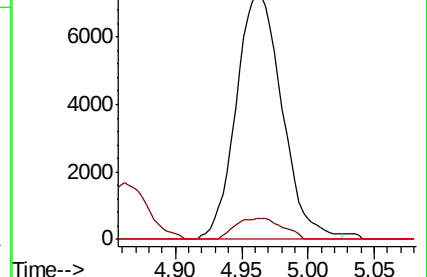
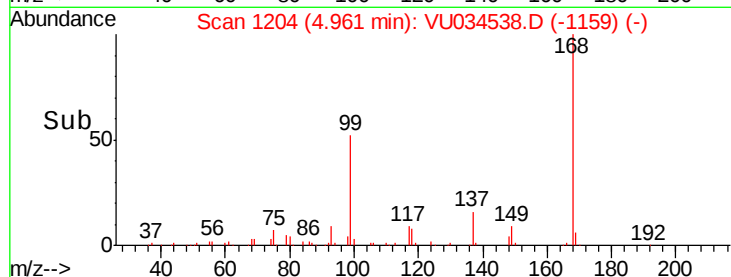
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU034538.D (-1159) (-)

Ion 109.90 (109.60 to 110.60): VU034538.D (-1159) (-)

Ion 76.90 (76.60 to 77.60): VU034538.D (-1159) (-)



#38

Carbon Tetrachloride

Concen: 4.907 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

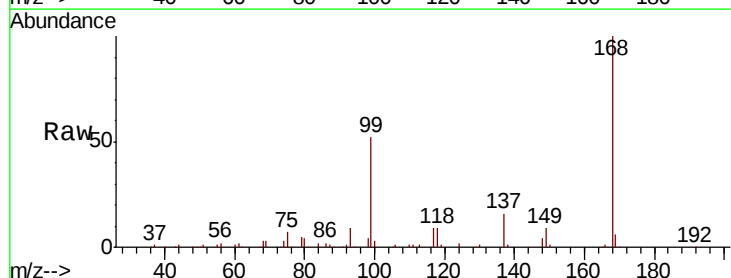
Tgt Ion: 117 Resp: 21620

Ion Ratio Lower Upper

117 100

119 6.5 77.8 116.6#

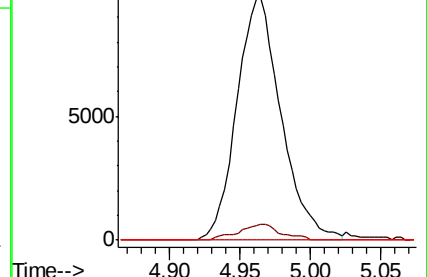
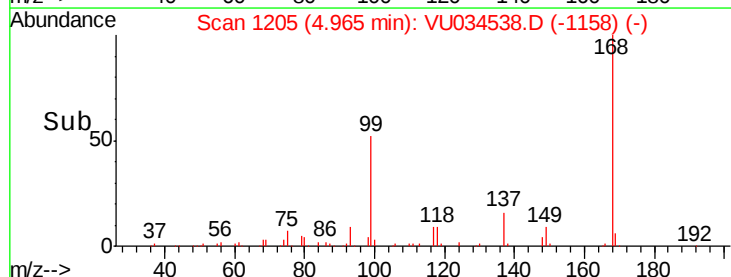
121 0.0 25.2 37.8#

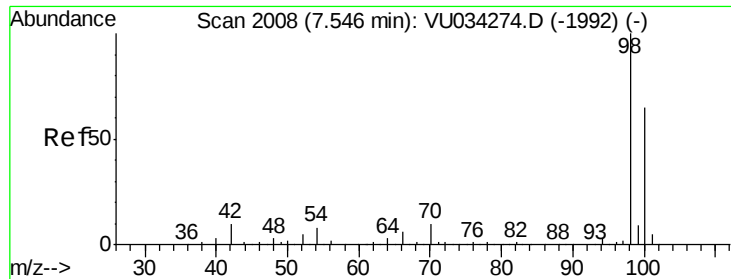


Abundance Ion 116.80 (116.50 to 117.50): VU034538.D (-1158) (-)

Ion 118.80 (118.50 to 119.50): VU034538.D (-1158) (-)

Ion 120.80 (120.50 to 121.50): VU034538.D (-1158) (-)





#50

Toluene-d8

Concen: 51.534 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

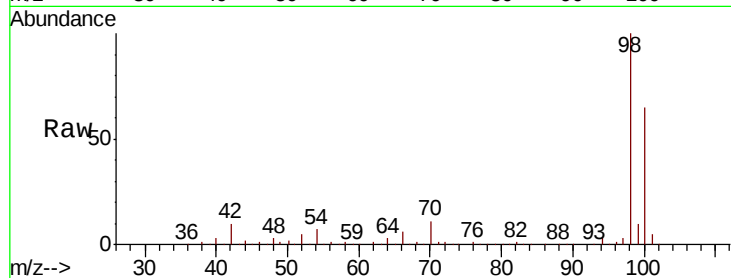
CPA-CPMW02S-M27W1-090419-D

Tgt Ion: 98 Resp: 685465

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)

7.55

400000

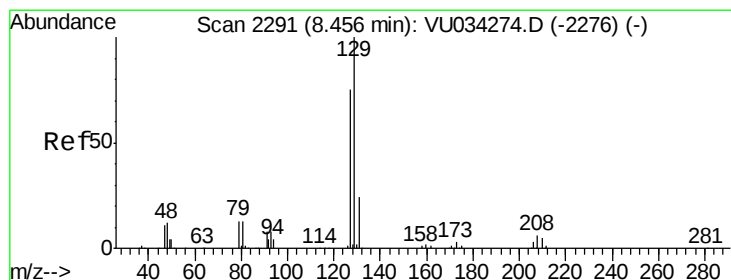
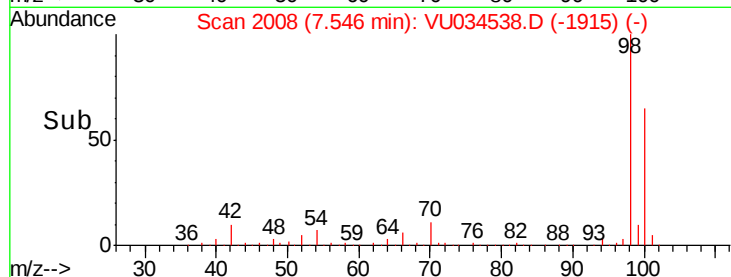
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 0.336 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. -0.24 min

Lab File: VU034538.D

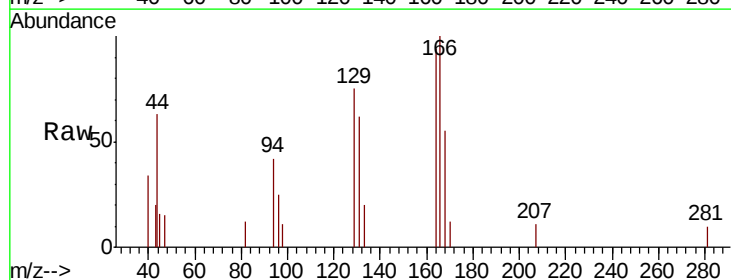
Acq: 12 Sep 2019 22:16

Tgt Ion: 129 Resp: 1368

Ion Ratio Lower Upper

129 100

127 0.0 37.9 113.7#



Abundance Ion 128.80 (128.50 to 129.50): VU034274.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-2276) (-)

8.21

800

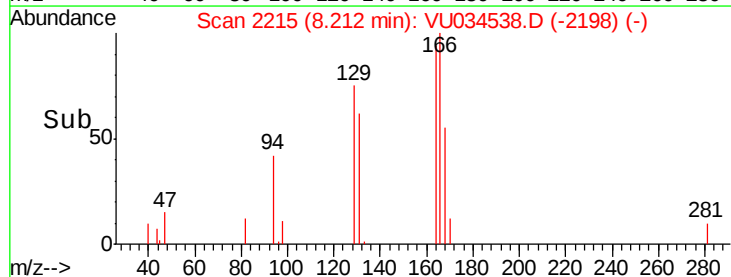
600

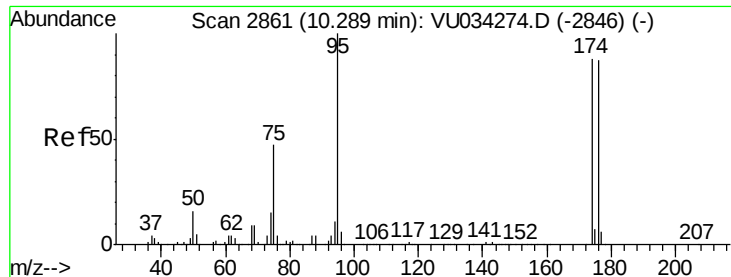
400

200

0

Time-->

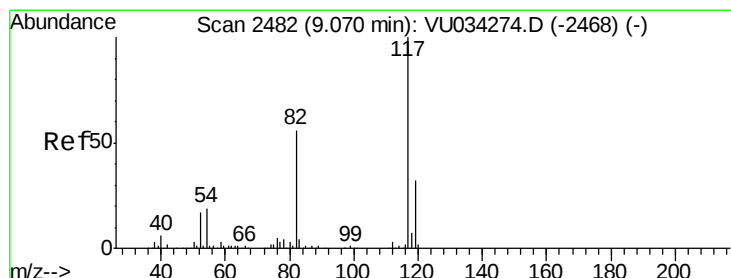
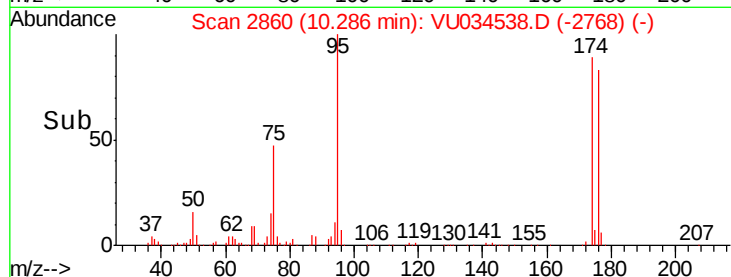
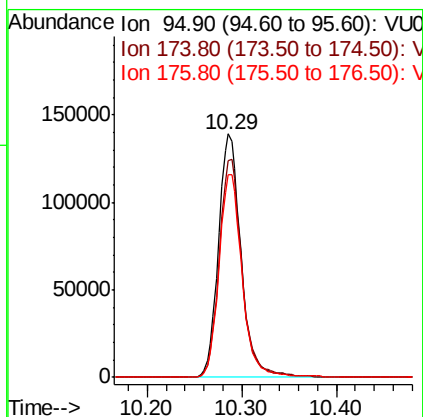
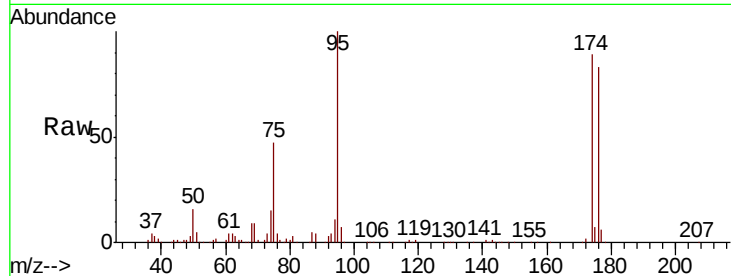




#62
4-Bromofluorobenzene
Concen: 44.882 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034538.D
Acq: 12 Sep 2019 22:16

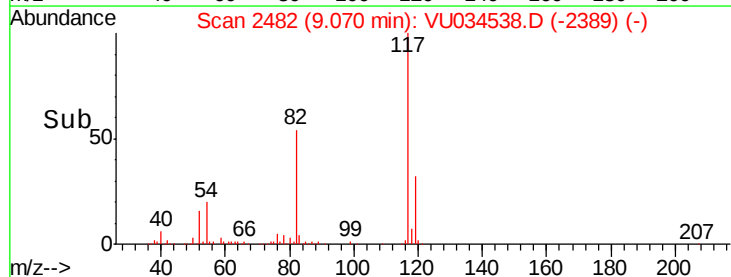
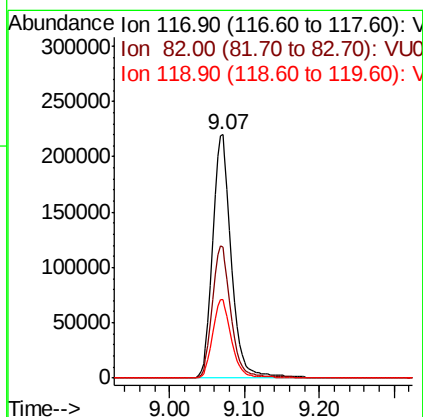
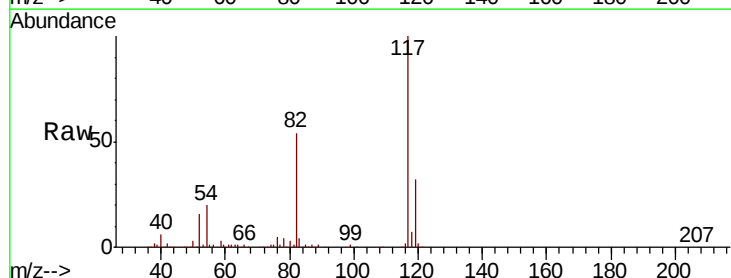
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW02S-M27W1-090419-D

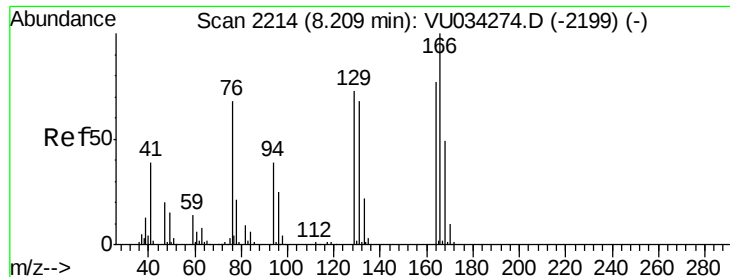
Tgt Ion: 95 Resp: 230489
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.2
176 84.7 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034538.D
Acq: 12 Sep 2019 22:16

Tgt Ion: 117 Resp: 385247
Ion Ratio Lower Upper
117 100
82 53.6 44.6 67.0
119 32.0 25.9 38.9





#64

Tetrachloroethene

Concen: 0.446 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02S-M27W1-090419-D

Tgt Ion:164 Resp: 1490

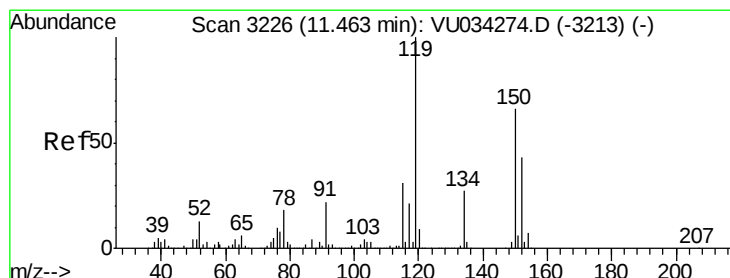
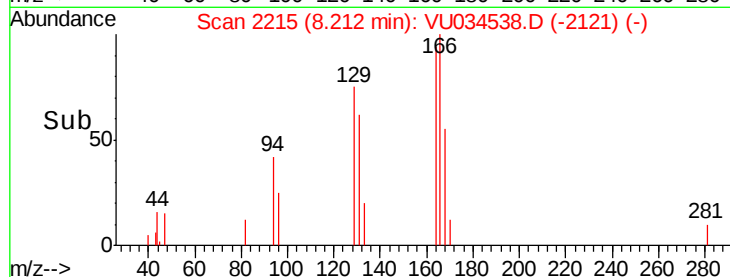
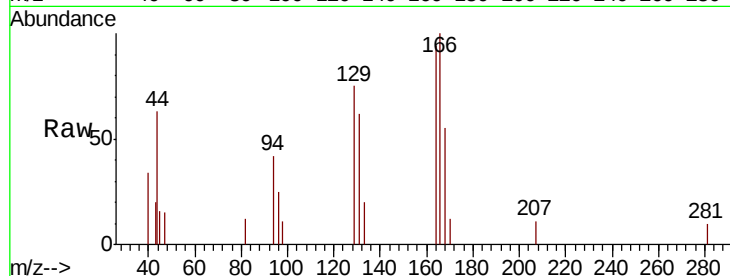
Ion Ratio Lower Upper

164 100

166 106.9 103.7 155.5

129 80.3 75.8 113.8

131 66.3 70.7 106.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034538.D

Acq: 12 Sep 2019 22:16

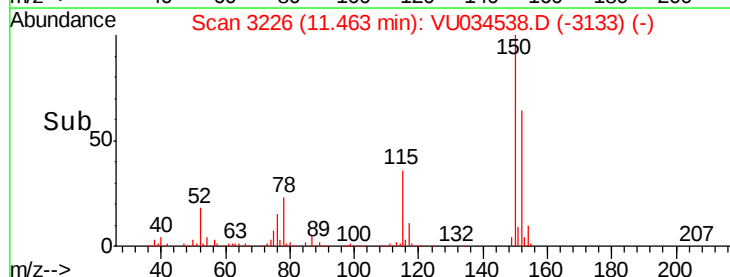
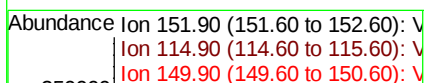
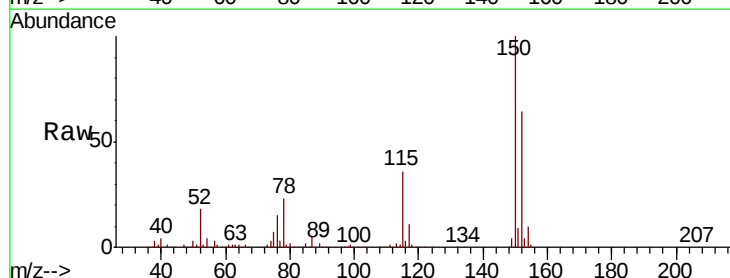
Tgt Ion:152 Resp: 220984

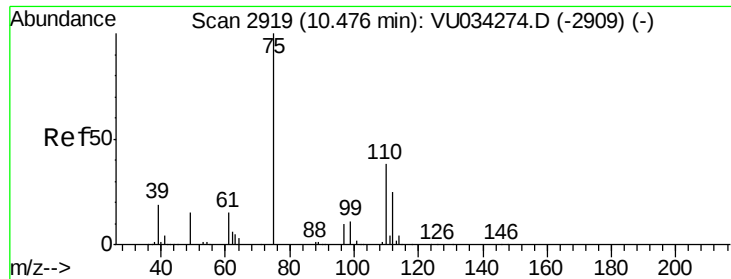
Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.3

150 155.6 0.0 345.4

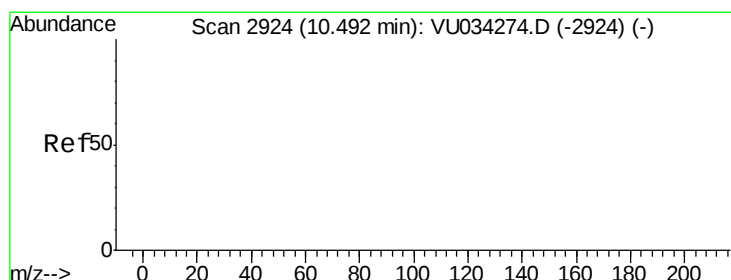
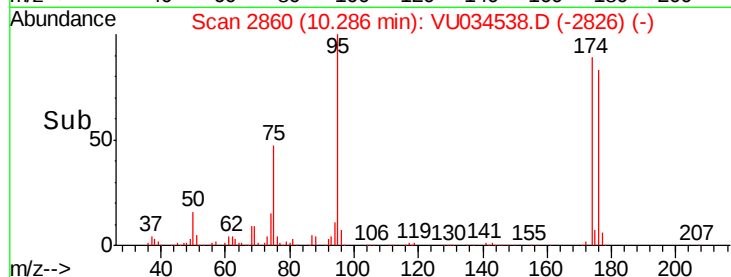
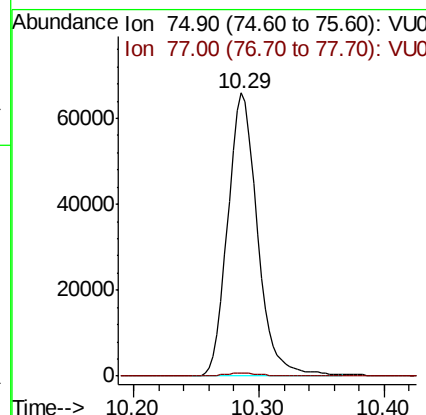
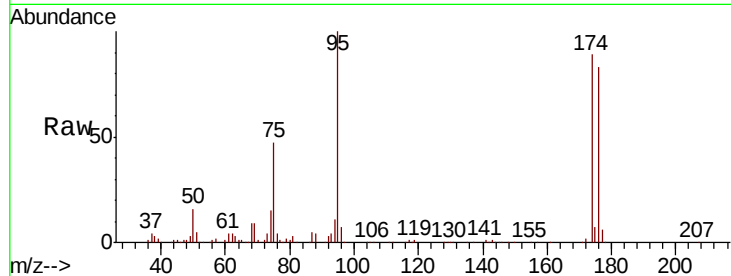




#76
 1,2,3-Trichloropropane
 Concen: 22.511 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.19 min
 Lab File: VU034538.D
 Acq: 12 Sep 2019 22:16

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW02S-M27W1-090419-D

Tgt Ion: 75 Resp: 108584
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.702 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034538.D
 Acq: 12 Sep 2019 22:16

Tgt Ion: 75 Resp: 108584
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

