

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034516.D
 Acq On : 12 Sep 2019 13:29
 Operator : JC/SP
 Sample : K4756-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M27W1-090619

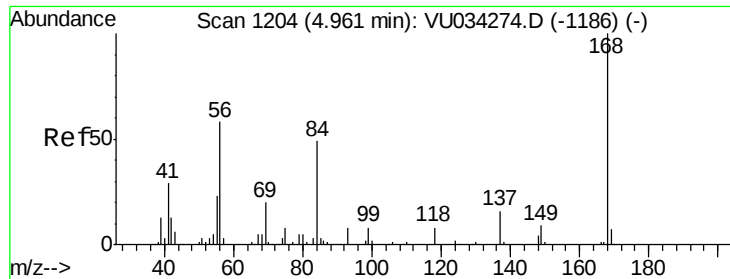
Quant Time: Sep 13 07:07:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	252455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	366185	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	371325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	216373	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	219975	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	
35) Dibromofluoromethane	4.86	113	186293	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
50) Toluene-d8	7.55	98	683413	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	10.29	95	224392	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	564	Below Cal		88
6) Chloroethane	1.70	64	63	Below Cal	#	43
10) Methyl Iodide	2.42	142	361	3.971	ug/l #	43
11) Tert butyl alcohol	2.82	59	1835	2.274	ug/l #	73
14) Allyl chloride	2.43	41	2235	0.426	ug/l #	51
16) Acetone	2.31	43	3174	1.606	ug/l	98
20) Methylene Chloride	2.69	84	516	Below Cal	#	52
31) Cyclohexane	4.96	56	4622	1.033	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17164	4.322	ug/l #	49
38) Carbon Tetrachloride	4.96	117	23255	5.484	ug/l #	17
60) Dibromochloromethane	8.21	129	8553	2.185	ug/l #	12
64) Tetrachloroethene	8.21	164	9659	2.998	ug/l	97
76) 1,2,3-Trichloropropane	10.29	75	104297	22.083	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	104297	74.262	ug/l #	100
95) Naphthalene	13.80	128	107	3.973	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.05	180	63	2.651	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034516.D

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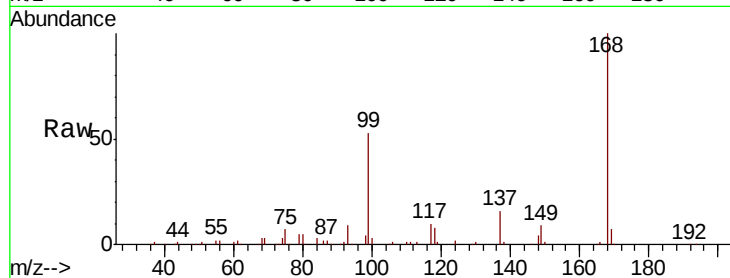
CPA-CPMW04S-M27W1-090619

Tgt Ion: 168 Resp: 252455

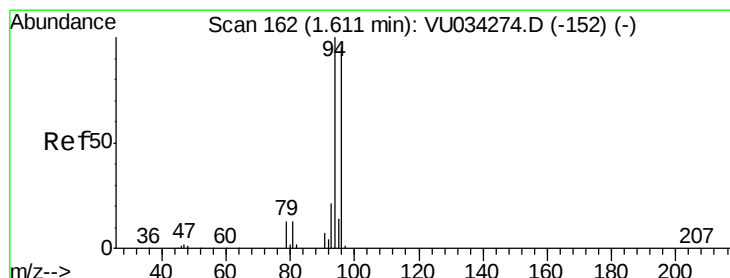
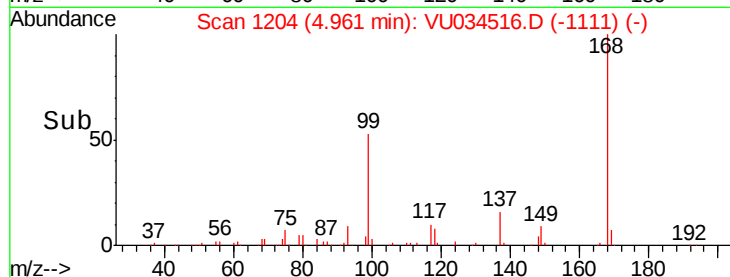
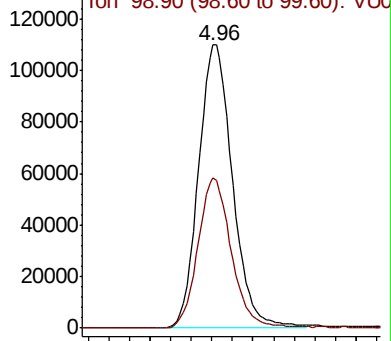
Ion Ratio Lower Upper

168 100

99 53.0 41.6 62.4



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



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034516.D

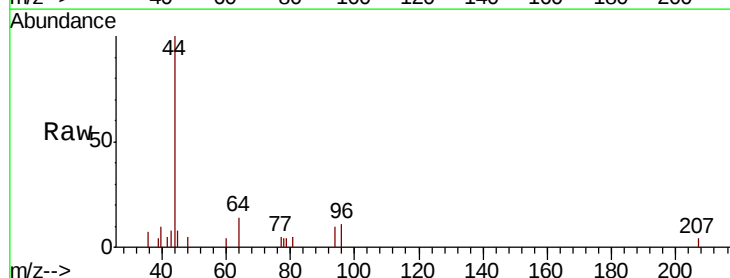
Acq: 12 Sep 2019 13:29

Tgt Ion: 94 Resp: 564

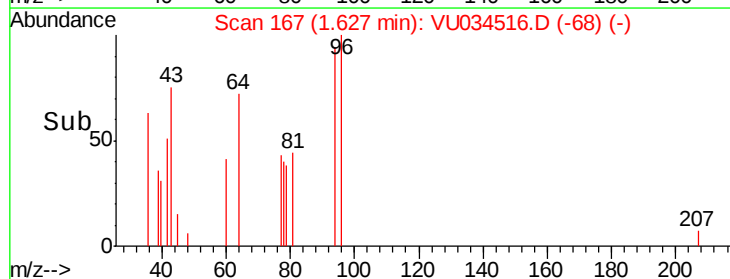
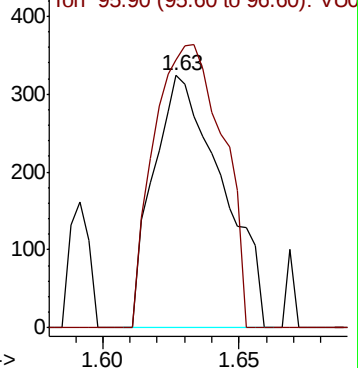
Ion Ratio Lower Upper

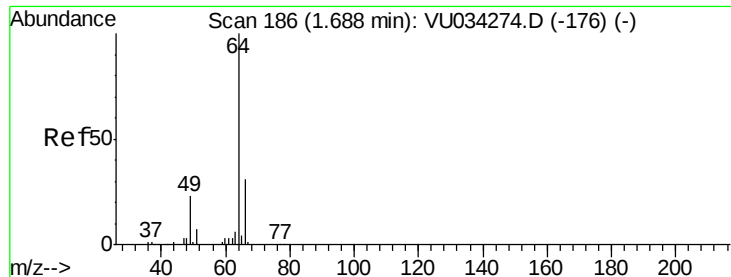
94 100

96 106.2 75.7 113.5



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





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

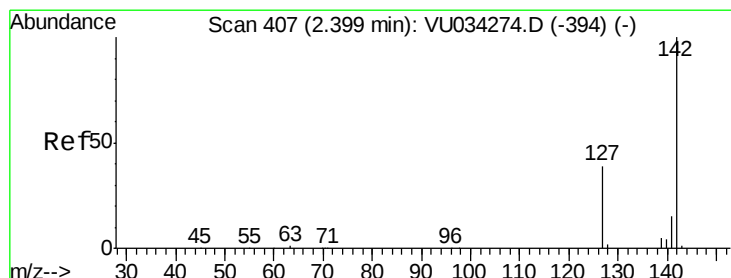
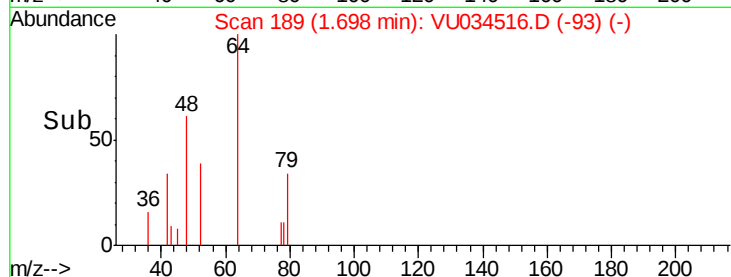
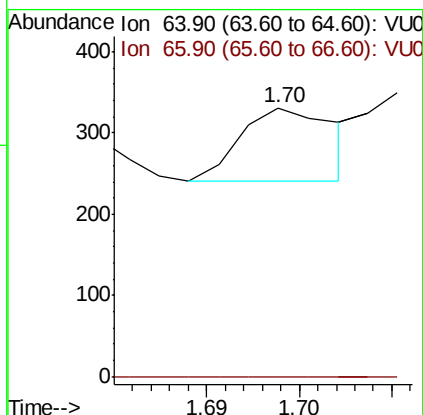
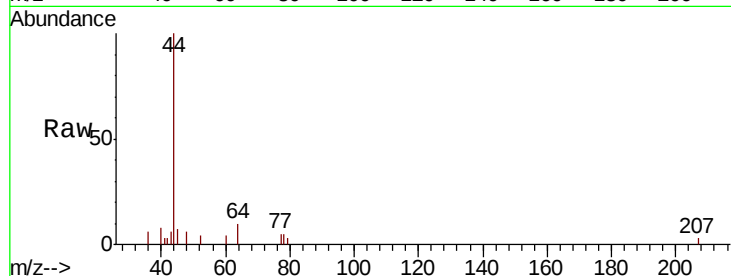
CPA-CPMW04S-M27W1-090619

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.971 ug/l

RT: 2.42 min Scan# 413

Delta R.T. 0.02 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

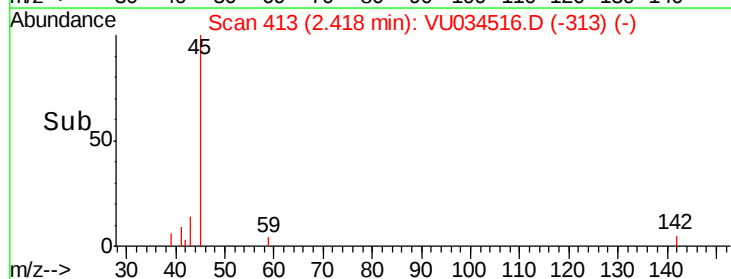
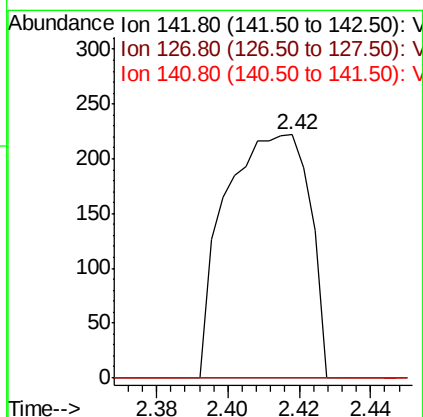
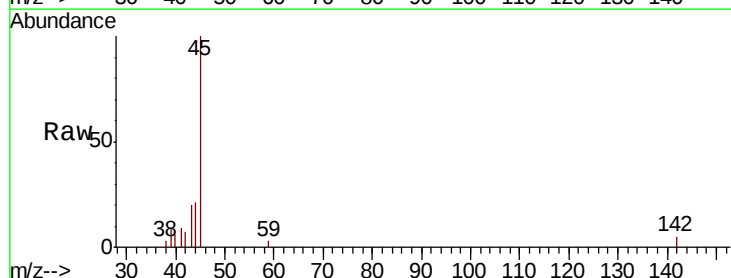
Tgt Ion: 142 Resp: 361

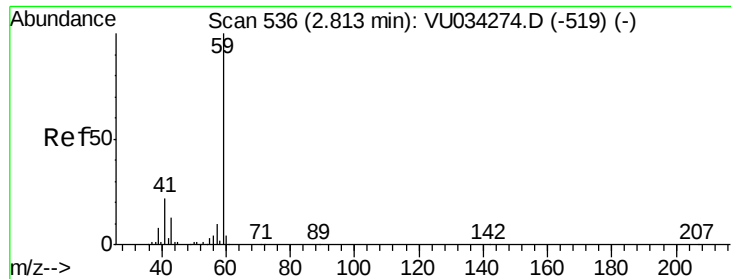
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#

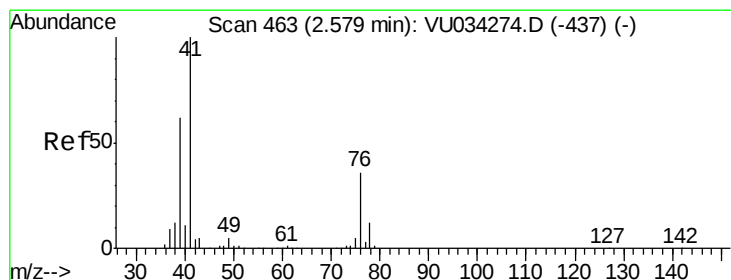
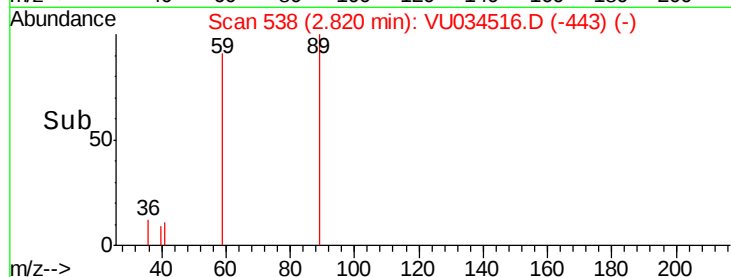
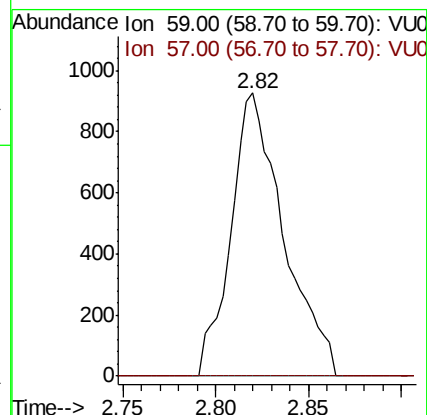
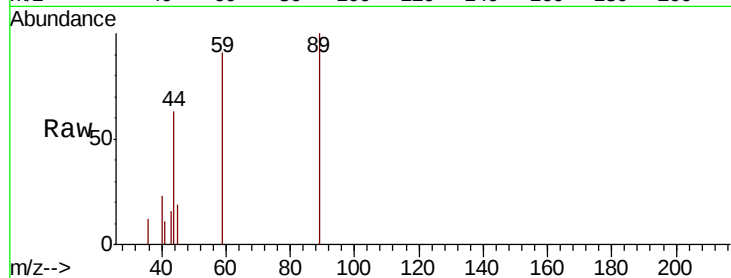




#11
Tert butyl alcohol
Concen: 2.274 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VU034516.D
Acq: 12 Sep 2019 13:29

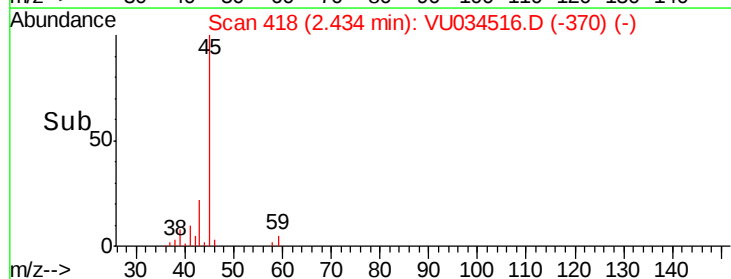
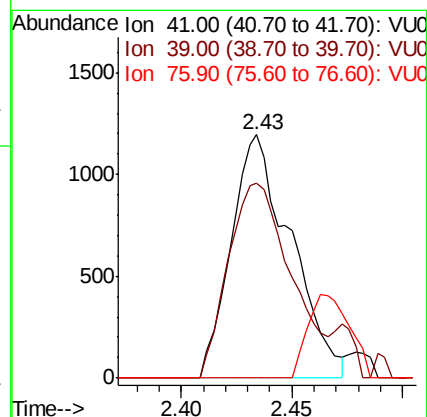
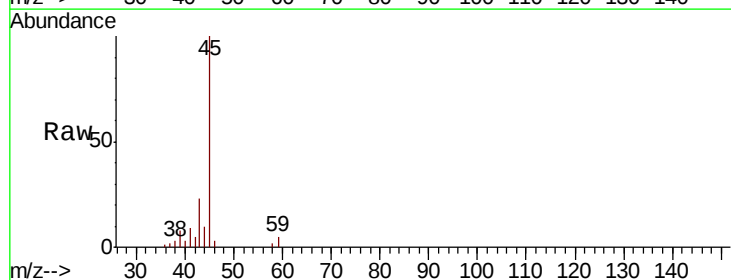
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M27W1-090619

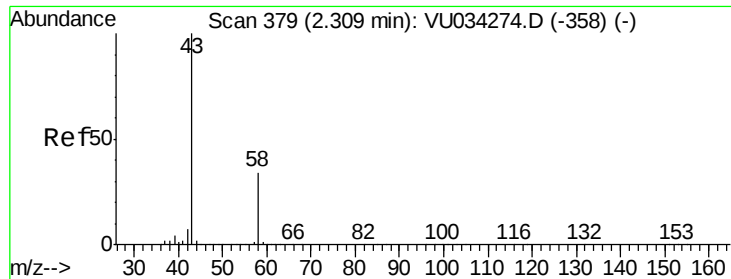
Tgt Ion: 59 Resp: 1835
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 0.426 ug/l
RT: 2.43 min Scan# 418
Delta R.T. -0.14 min
Lab File: VU034516.D
Acq: 12 Sep 2019 13:29

Tgt Ion: 41 Resp: 2235
Ion Ratio Lower Upper
41 100
39 84.6 43.5 65.3#
76 0.0 27.0 40.6#





#16

Acetone

Concen: 1.606 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

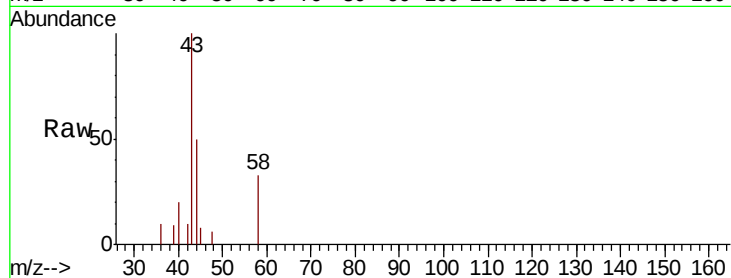
CPA-CPMW04S-M27W1-090619

Tgt Ion: 43 Resp: 3174

Ion Ratio Lower Upper

43 100

58 35.6 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

2.31

2000

1500

1000

500

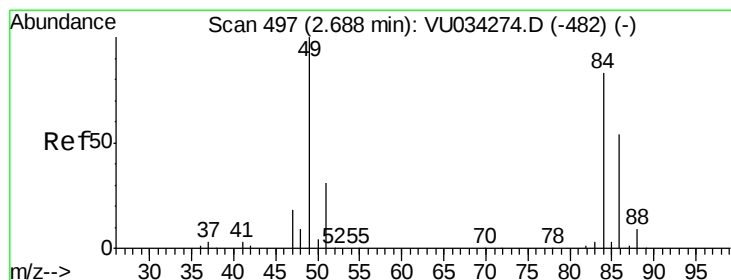
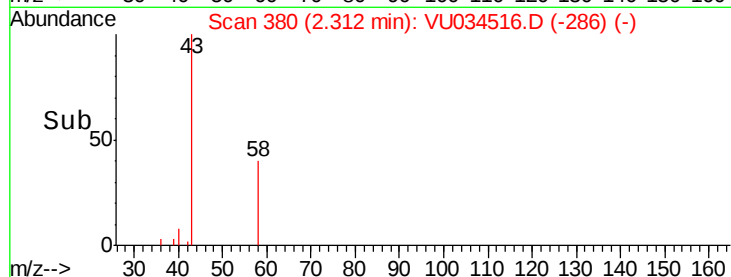
0

2.25

2.30

2.35

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Tgt Ion: 84 Resp: 516

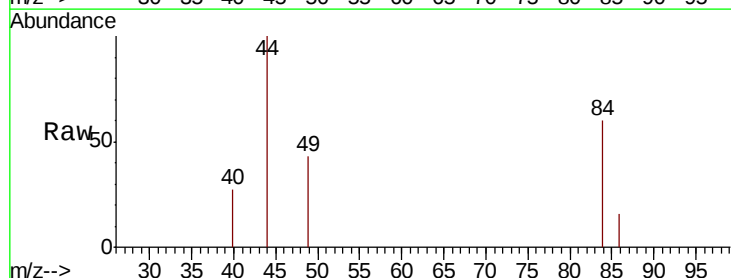
Ion Ratio Lower Upper

84 100

49 71.9 96.0 144.0#

51 0.0 30.0 45.0#

86 26.4 51.4 77.0#



Abundance Ion 83.90 (83.60 to 84.60): VU034274.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VU034274.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VU034274.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VU034274.D (-482) (-)

2.69

600

500

400

300

200

100

0

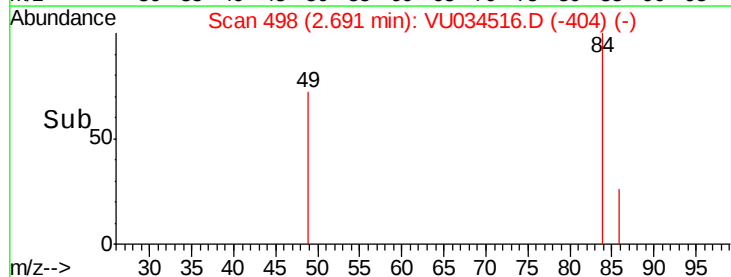
2.66

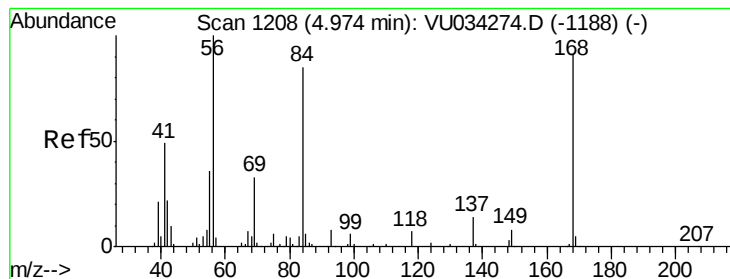
2.68

2.70

2.72

Time-->





#31

Cyclohexane

Concen: 1.033 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M27W1-090619

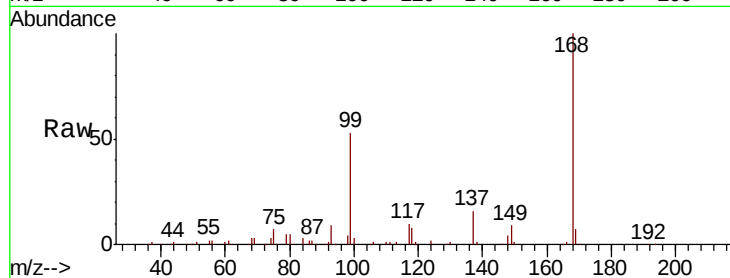
Tgt Ion: 56 Resp: 4622

Ion Ratio Lower Upper

56 100

69 190.2 26.7 40.1#

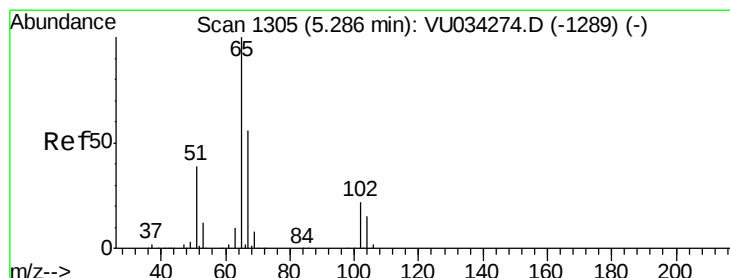
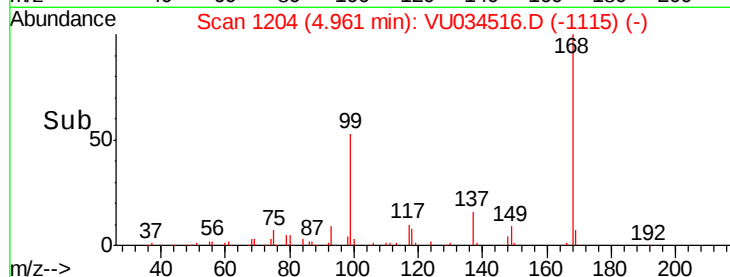
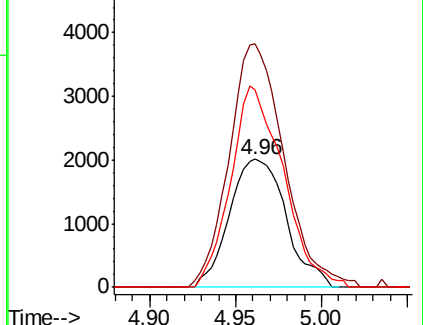
84 154.8 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034516.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034516.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034516.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.589 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034516.D

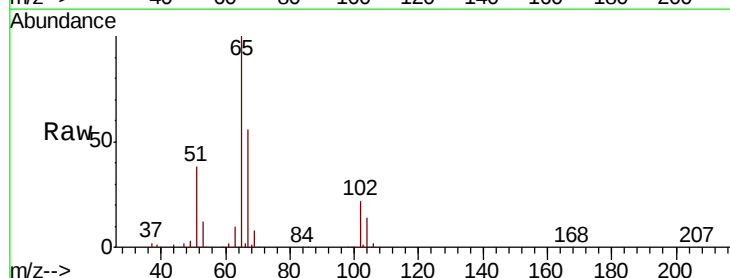
Acq: 12 Sep 2019 13:29

Tgt Ion: 65 Resp: 219975

Ion Ratio Lower Upper

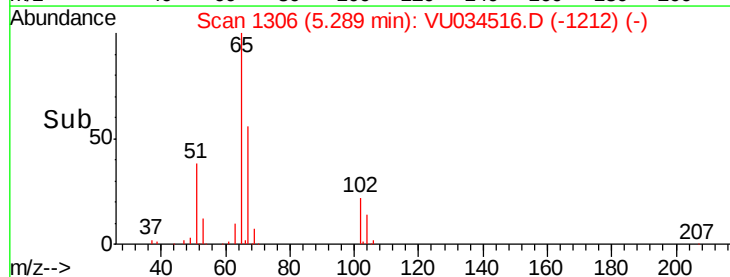
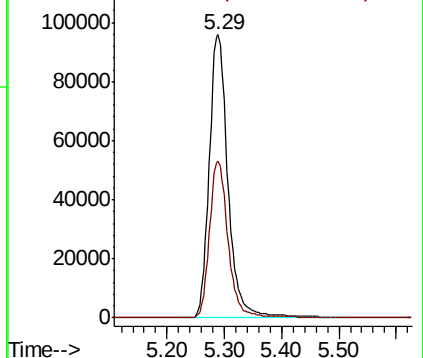
65 100

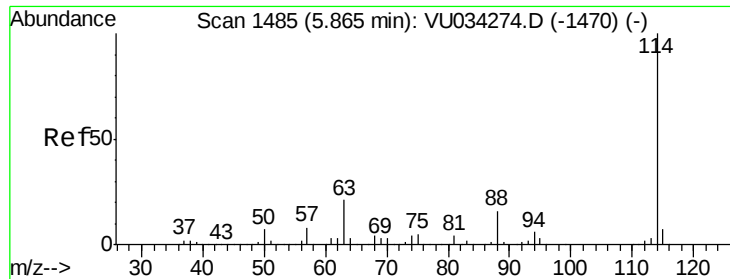
67 54.2 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034516.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034516.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: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M27W1-090619

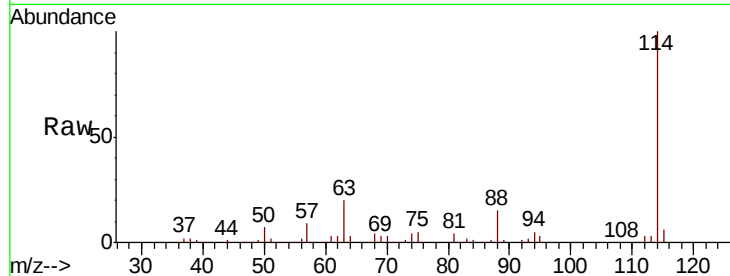
Tgt Ion:114 Resp: 366185

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

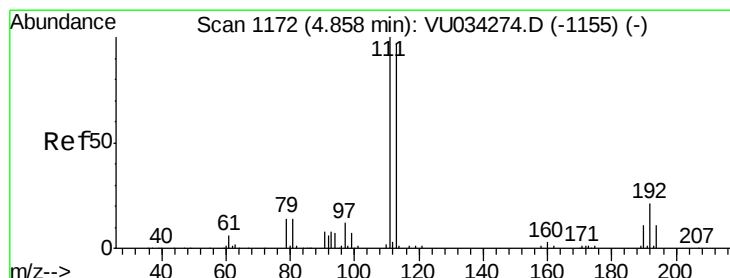
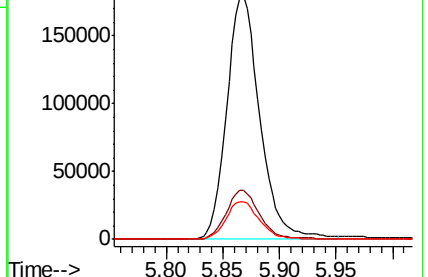
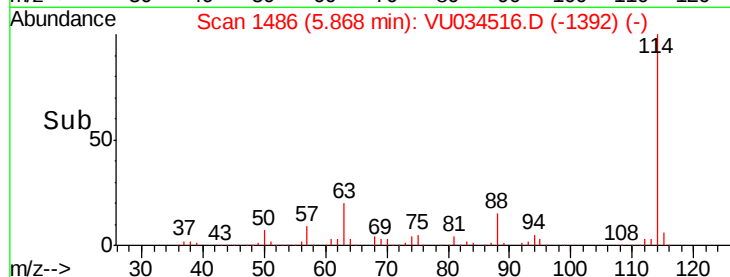
88 15.5 0.0 32.4



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: 54.674 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

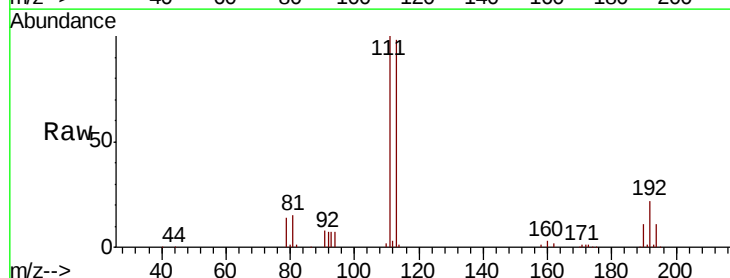
Tgt Ion:113 Resp: 186293

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

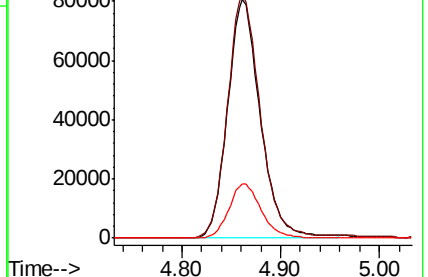
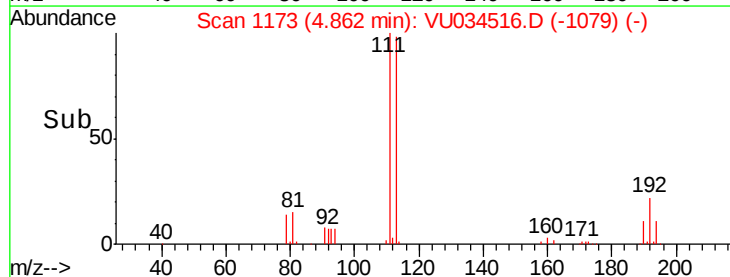
192 22.3 17.8 26.8

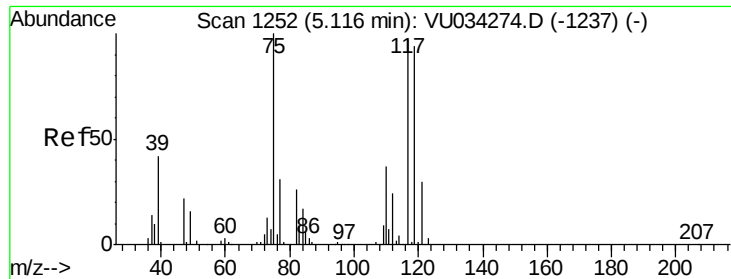


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

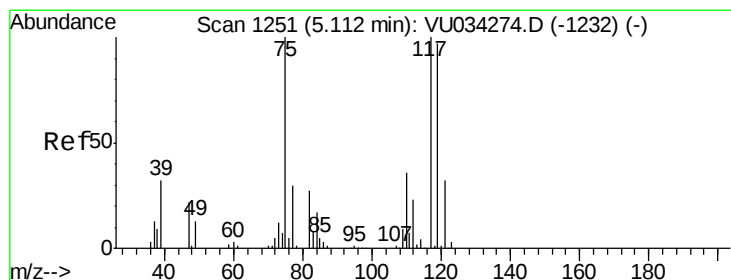
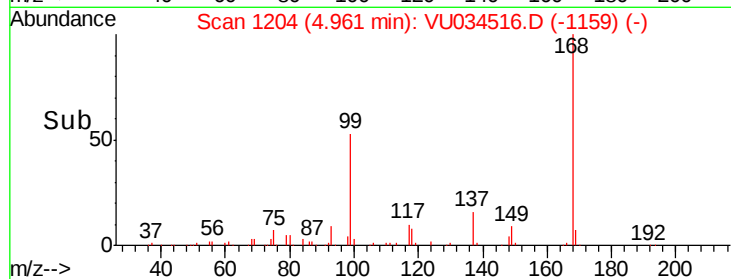
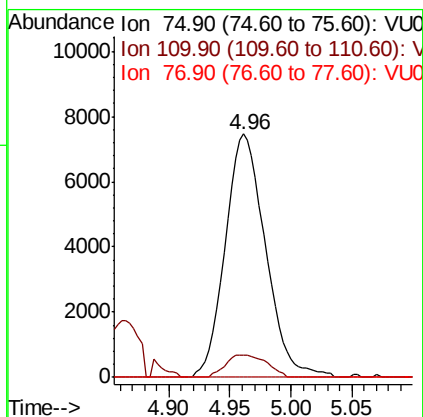
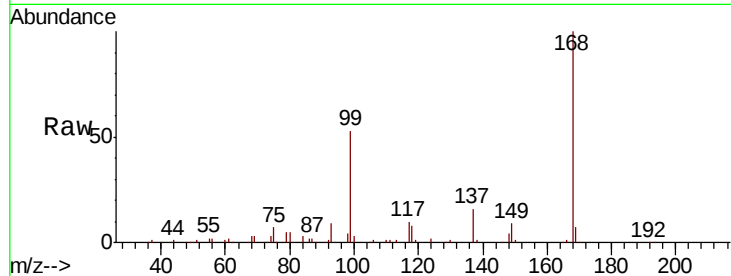




#36
 1,1-Dichloropropene
 Concen: 4.322 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034516.D
 Acq: 12 Sep 2019 13:29

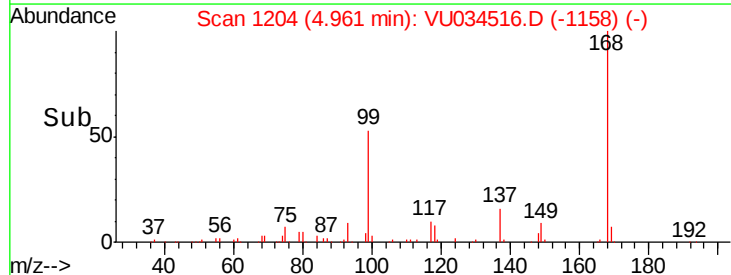
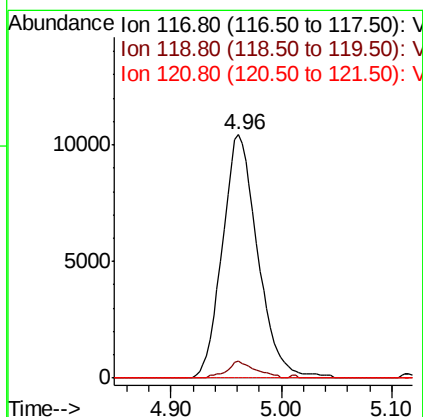
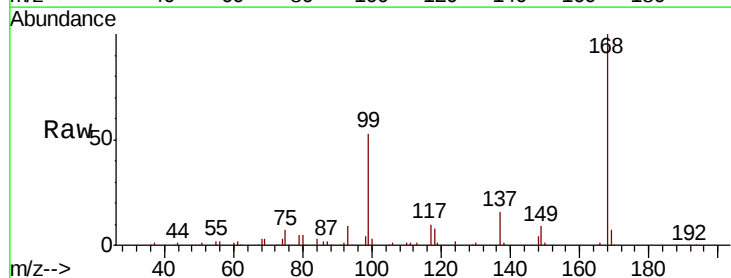
Instrument :
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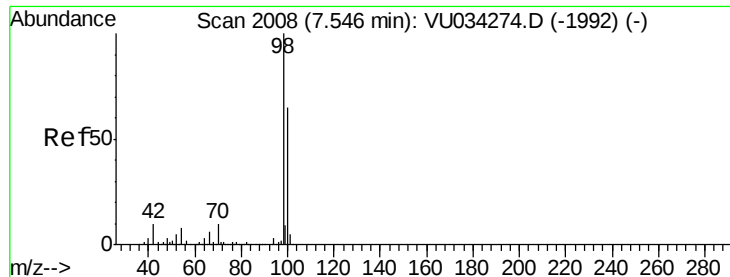
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.484 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034516.D
 Acq: 12 Sep 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	77.8	116.6#
121	0.0	25.2	37.8#

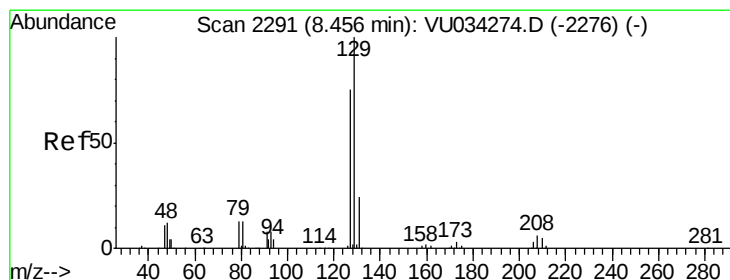
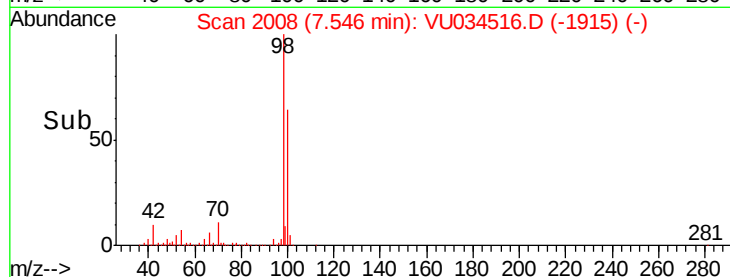
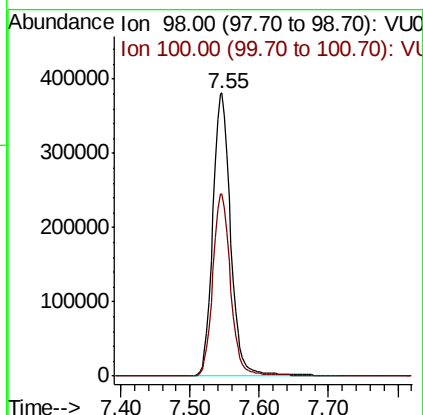
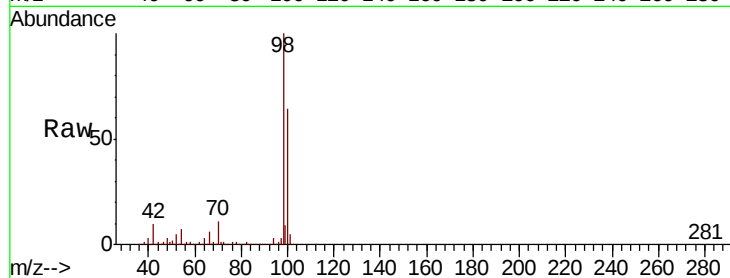




#50
Toluene-d8
Concen: 53.385 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034516.D
Acq: 12 Sep 2019 13:29

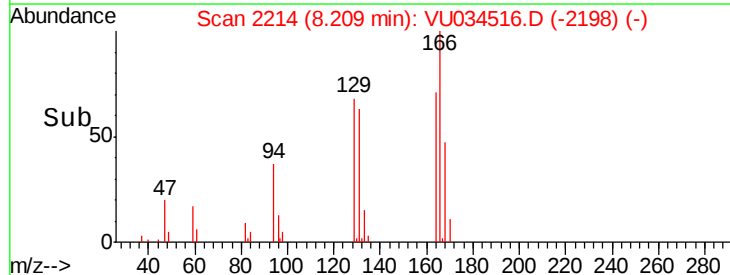
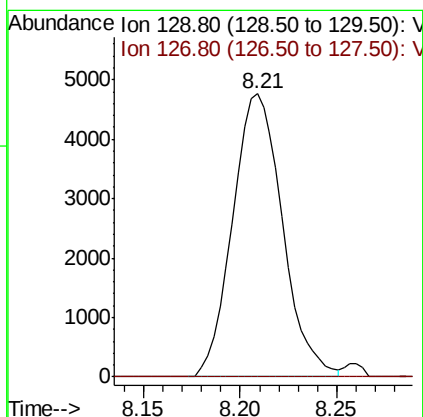
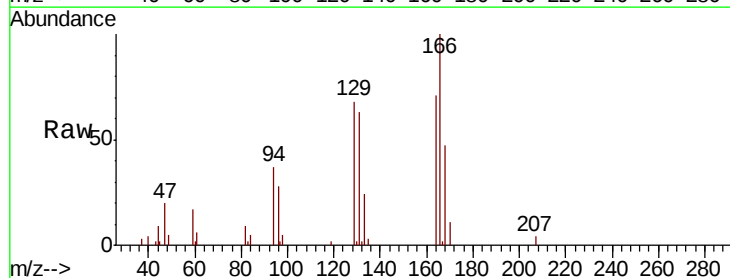
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M27W1-090619

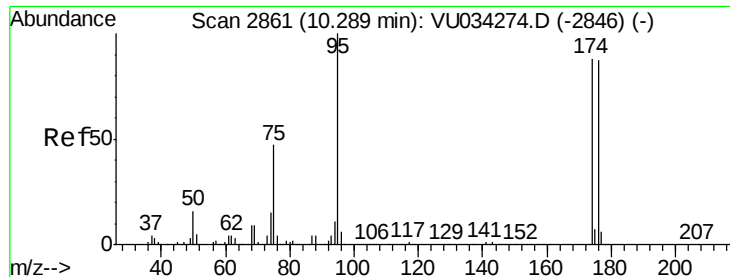
Tgt Ion: 98 Resp: 683413
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#60
Dibromochloromethane
Concen: 2.185 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU034516.D
Acq: 12 Sep 2019 13:29

Tgt Ion: 129 Resp: 8553
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.7#

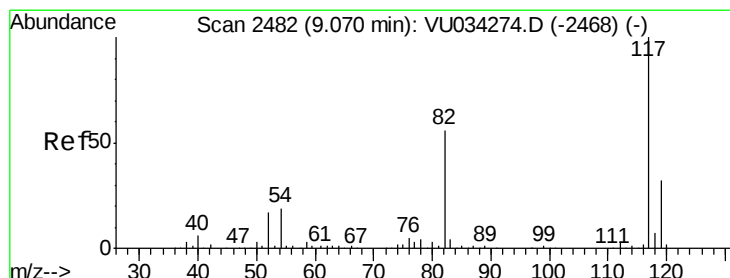
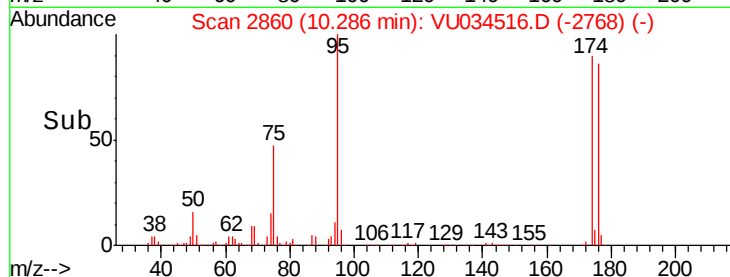
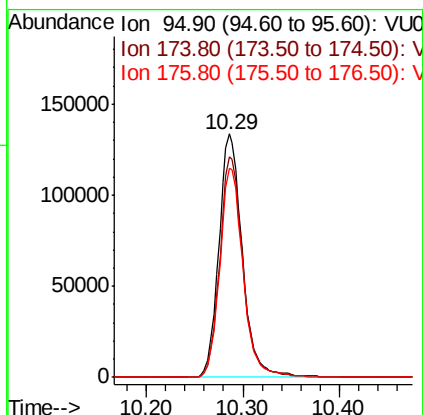
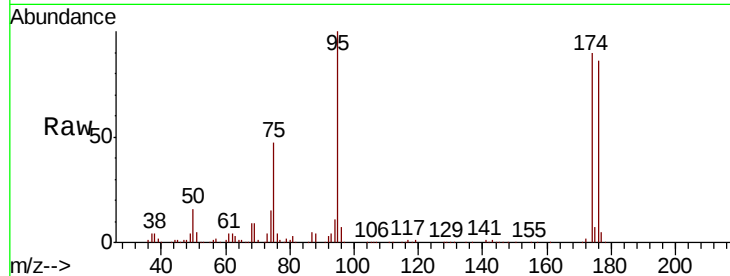




#62
4-Bromofluorobenzene
Concen: 45.400 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034516.D
Acq: 12 Sep 2019 13:29

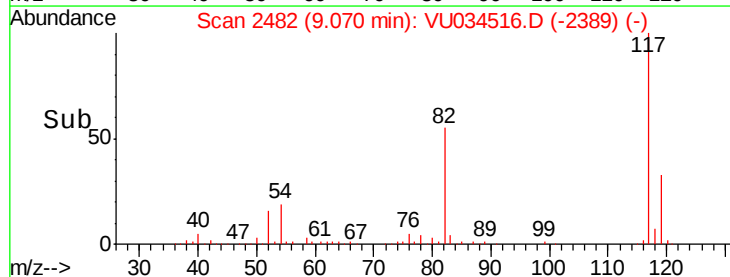
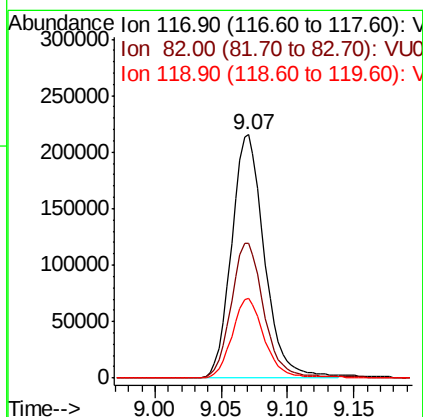
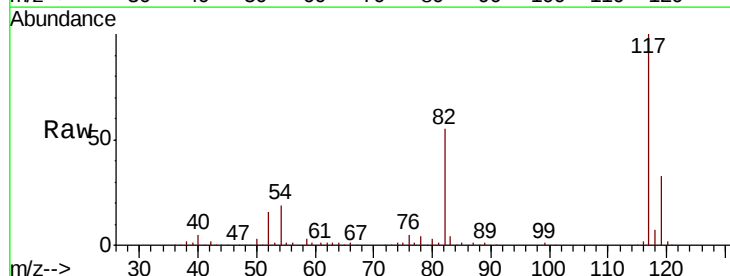
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M27W1-090619

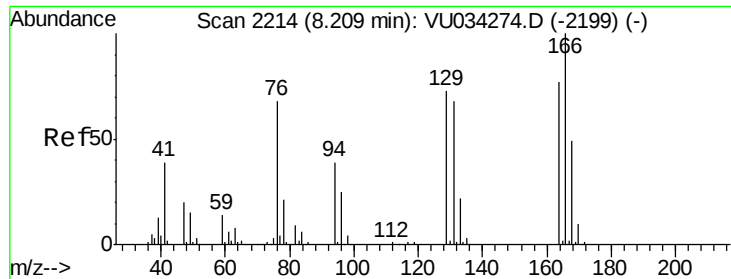
Tgt Ion: 95 Resp: 224392
Ion Ratio Lower Upper
95 100
174 90.3 0.0 175.2
176 85.5 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034516.D
Acq: 12 Sep 2019 13:29

Tgt Ion: 117 Resp: 371325
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.9 25.9 38.9





#64

Tetrachloroethene

Concen: 2.998 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M27W1-090619

Tgt Ion:164 Resp: 9659

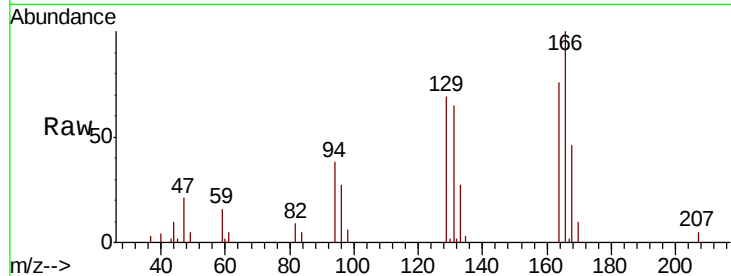
Ion Ratio Lower Upper

164 100

166 131.2 103.7 155.5

129 90.7 75.8 113.8

131 85.0 70.7 106.1

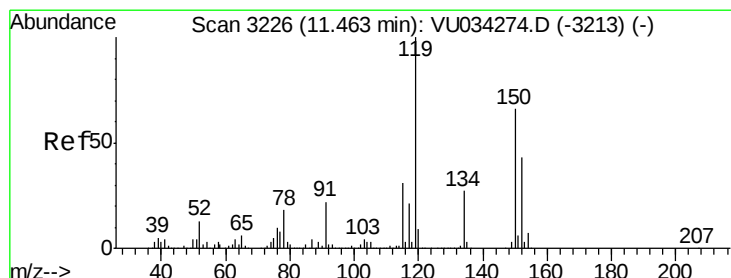
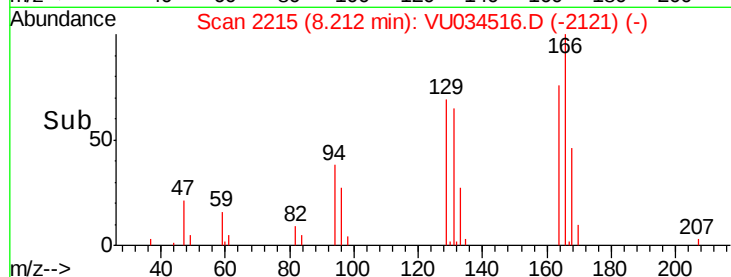
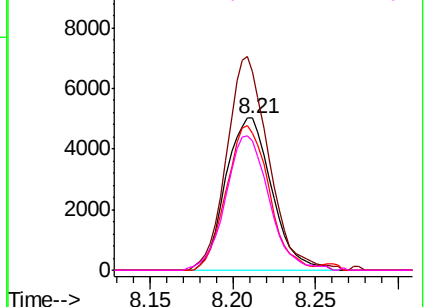


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU034516.D

Acq: 12 Sep 2019 13:29

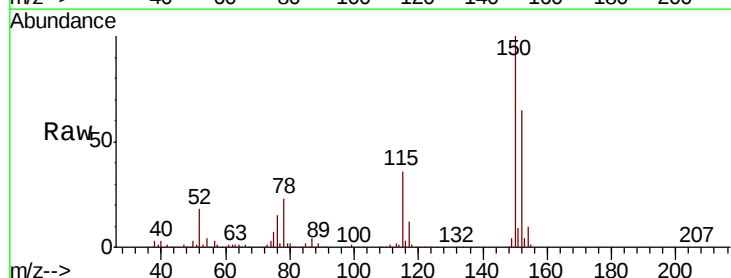
Tgt Ion:152 Resp: 216373

Ion Ratio Lower Upper

152 100

115 55.7 39.1 117.3

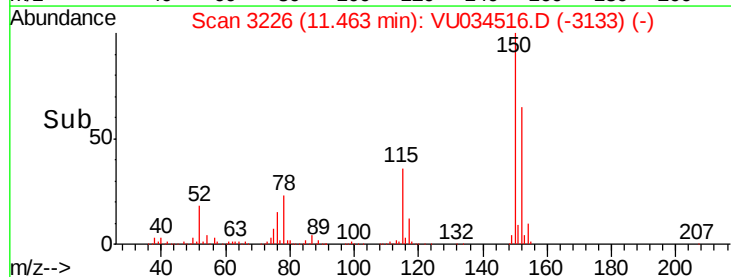
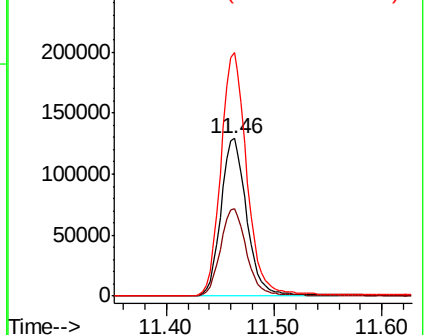
150 155.3 0.0 345.4

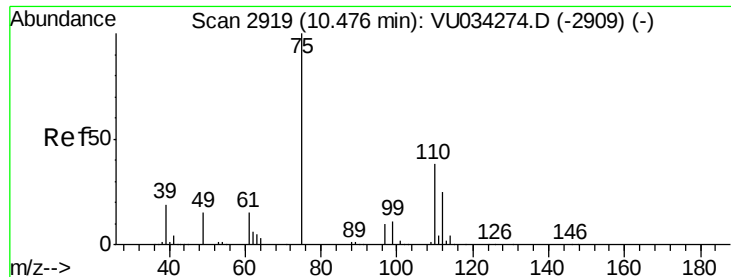


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.083 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

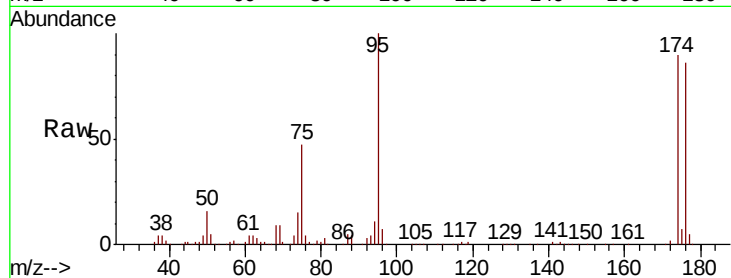
CPA-CPMW04S-M27W1-090619

Tgt Ion: 75 Resp: 104297

Ion Ratio Lower Upper

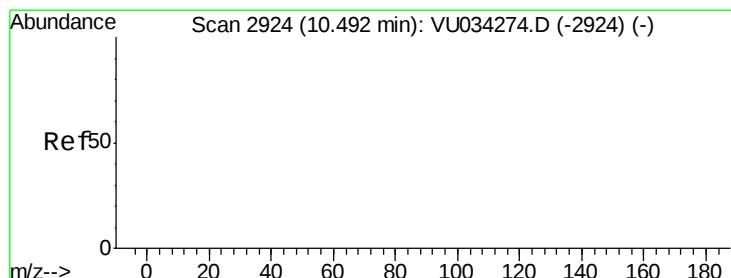
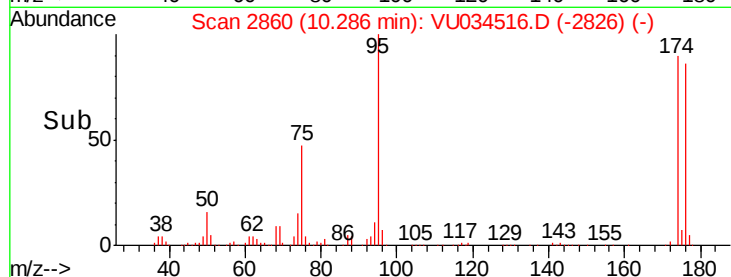
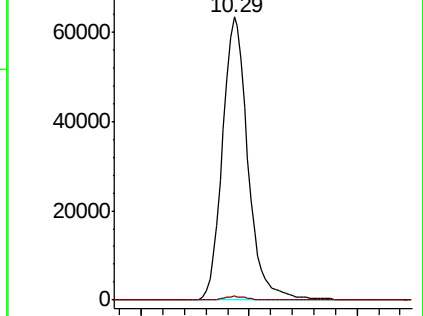
75 100

77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034516.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VU034516.D (-2860) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 74.262 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

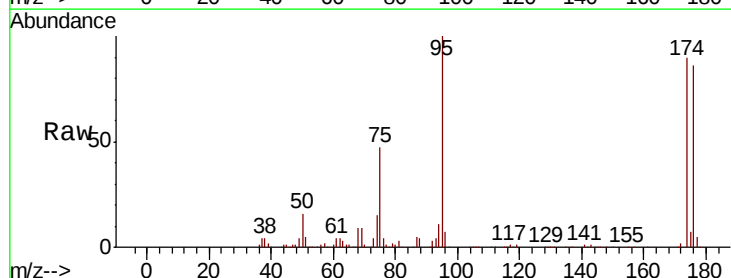
Tgt Ion: 75 Resp: 104297

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

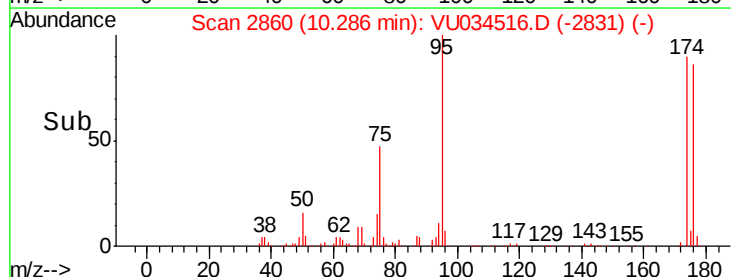
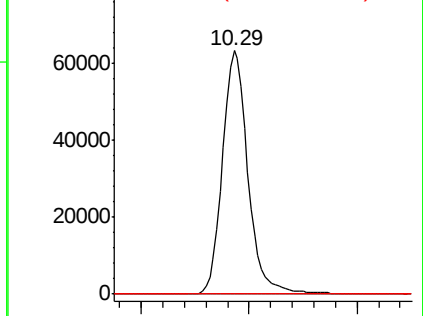
89 0.0 0.0 0.0

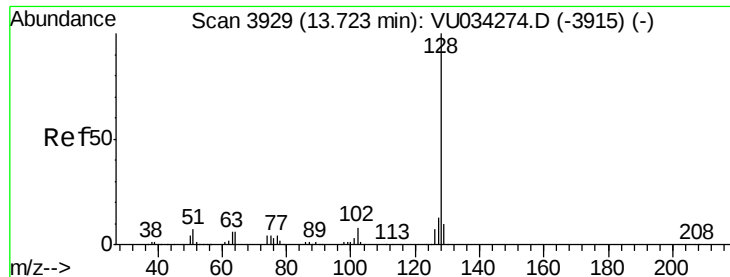


Abundance Ion 74.90 (74.60 to 75.60): VU034516.D (-2860) (-)

Ion 53.00 (52.70 to 53.70): VU034516.D (-2860) (-)

Ion 88.90 (88.60 to 89.60): VU034516.D (-2860) (-)





#95

Naphthalene

Concen: 3.973 ug/l

RT: 13.80 min Scan# 3952

Delta R.T. 0.07 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M27W1-090619

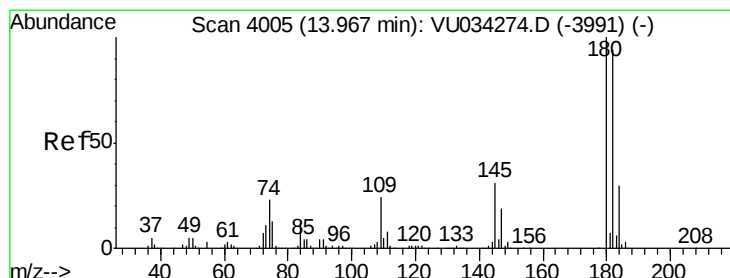
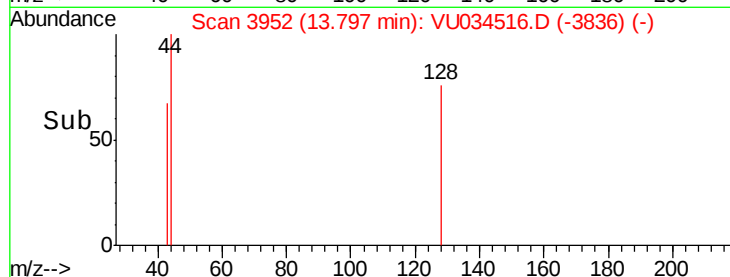
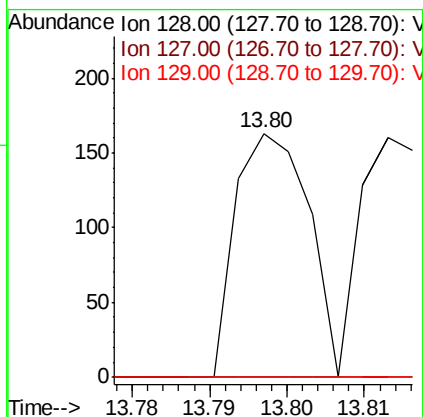
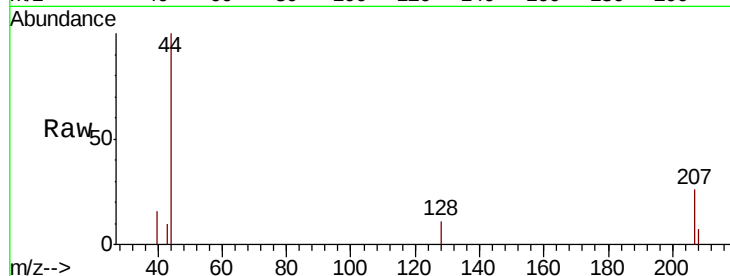
Tgt Ion:128 Resp: 107

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 2.651 ug/l

RT: 14.05 min Scan# 4030

Delta R.T. 0.08 min

Lab File: VU034516.D

Acq: 12 Sep 2019 13:29

Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.0#

145 0.0 15.4 46.4#

