

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034534.D
 Acq On : 12 Sep 2019 20:43
 Operator : JC/SP
 Sample : K4756-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW07S-M27W1-090419

Quant Time: Sep 13 07:14:00 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

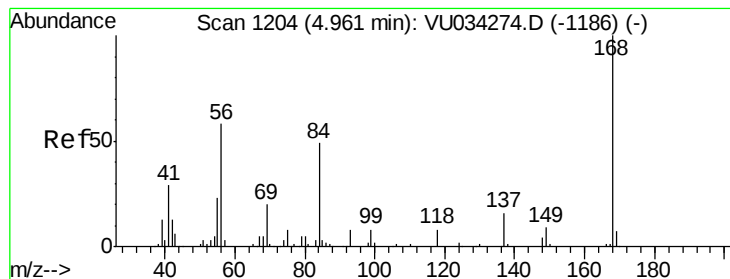
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	255558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	383307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	392399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	224687	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	222274	57.48	ug/l	0.00
Spiked Amount			Recovery	=	114.96%	
35) Dibromofluoromethane	4.86	113	197172	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
50) Toluene-d8	7.54	98	714495	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	10.29	95	239720	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	515	Below Cal	#	78
6) Chloroethane	1.68	64	159	Below Cal	#	43
10) Methyl Iodide	2.41	142	245	3.930	ug/l #	43
11) Tert butyl alcohol	2.82	59	840	1.028	ug/l #	73
14) Allyl chloride	2.43	41	1136	0.214	ug/l #	64
16) Acetone	2.31	43	2659	1.329	ug/l	89
20) Methylene Chloride	2.69	84	490	Below Cal	#	82
31) Cyclohexane	4.96	56	4311	0.952	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17673	4.251	ug/l #	47
38) Carbon Tetrachloride	4.96	117	22623	5.097	ug/l #	15
60) Dibromochloromethane	8.21	129	27071	6.606	ug/l #	12
64) Tetrachloroethene	8.21	164	29597	8.694	ug/l	99
76) 1,2,3-Trichloropropane	10.29	75	111406	22.715	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	111406	76.389	ug/l #	100

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\  
Data File : VU034534.D  
Acq On    : 12 Sep 2019   20:43  
Operator  : JC/SP  
Sample    : K4756-09  
Misc      : 5.0mL/MSVOA_U/WATER  
ALS Vial  : 30    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

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ClientSampleId :

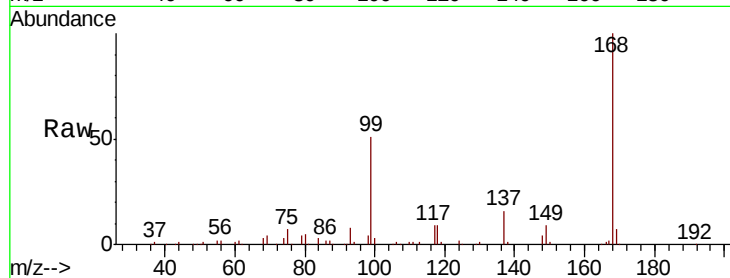
CPA-CPMW07S-M27W1-090419

Tgt Ion: 168 Resp: 255558

Ion Ratio Lower Upper

168 100

99 50.9 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

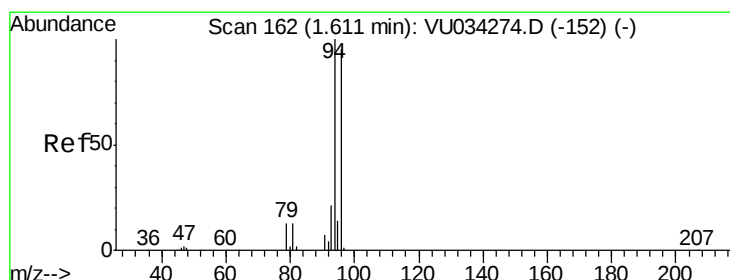
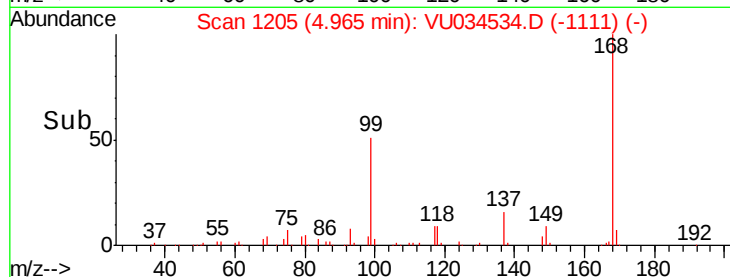
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 171

Delta R.T. 0.03 min

Lab File: VU034534.D

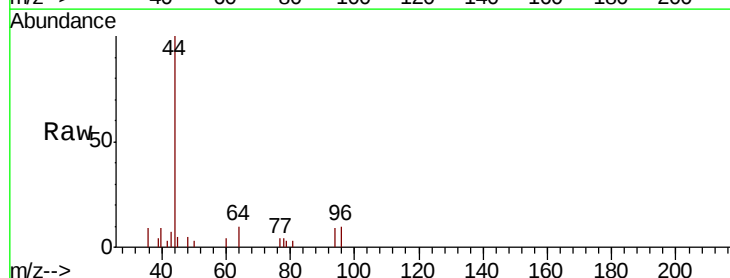
Acq: 12 Sep 2019 20:43

Tgt Ion: 94 Resp: 515

Ion Ratio Lower Upper

94 100

96 115.9 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) (-)

500

400

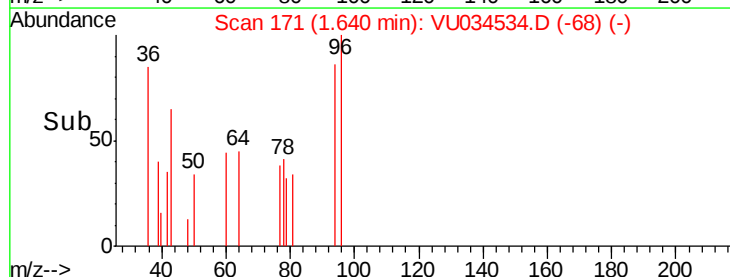
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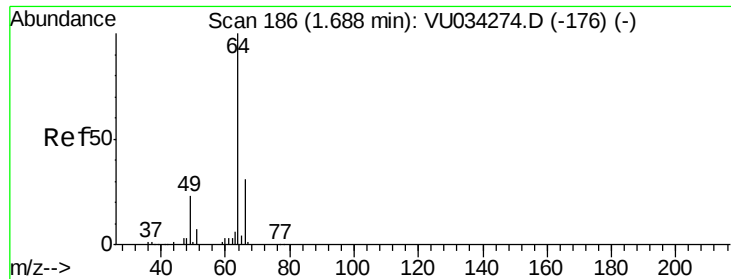
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

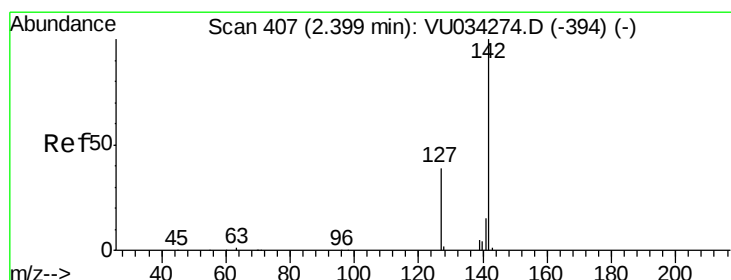
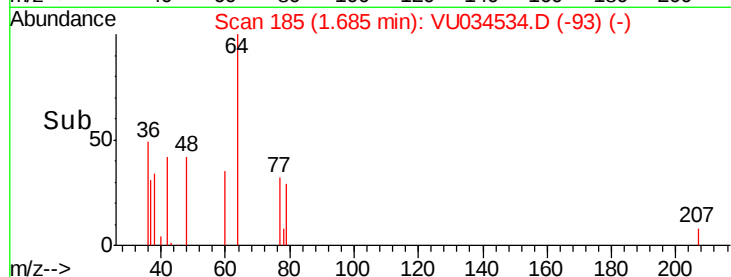
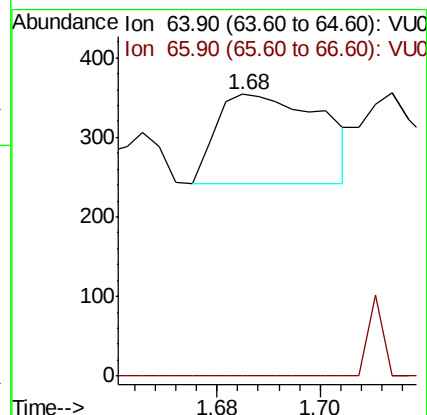
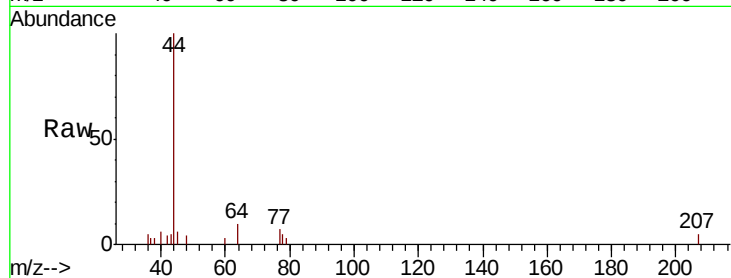
CPA-CPMW07S-M27W1-090419

Tgt Ion: 64 Resp: 159

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.930 ug/l

RT: 2.41 min Scan# 412

Delta R.T. 0.02 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

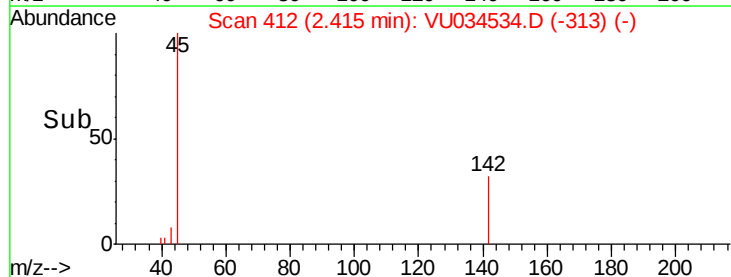
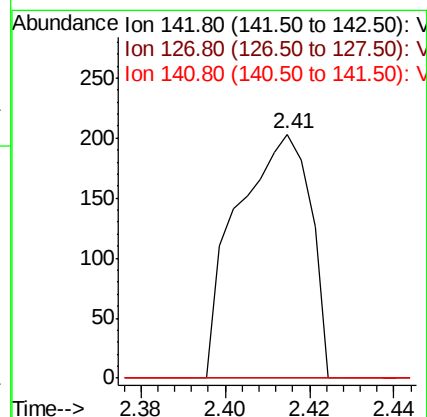
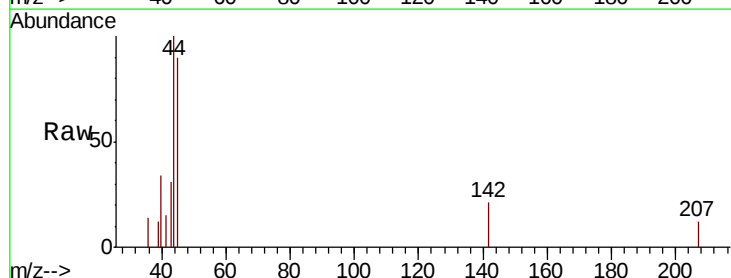
Tgt Ion: 142 Resp: 245

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: 1.028 ug/l

RT: 2.82 min Scan# 538

Delta R.T. 0.01 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

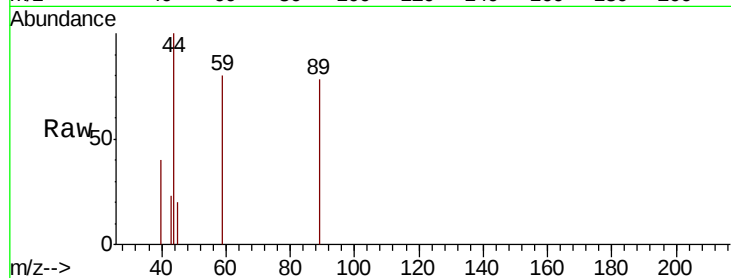
CPA-CPMW07S-M27W1-090419

Tgt Ion: 59 Resp: 840

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.82

400

300

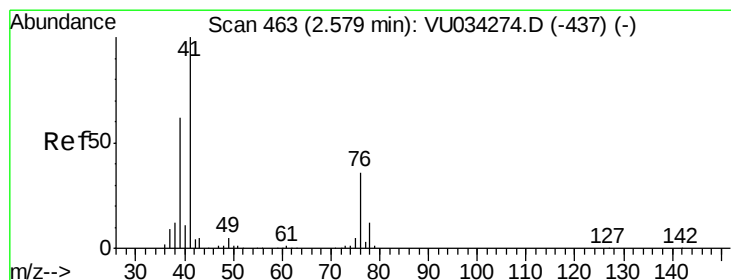
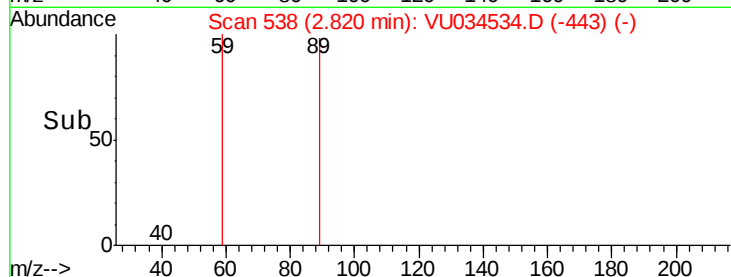
200

100

0

2.80 2.85

Time-->



#14

Allyl chloride

Concen: 0.214 ug/l

RT: 2.43 min Scan# 417

Delta R.T. -0.15 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

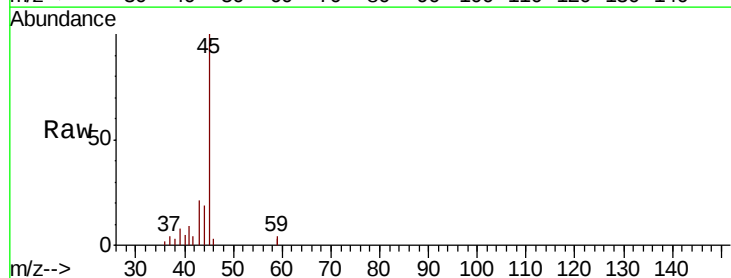
Tgt Ion: 41 Resp: 1136

Ion Ratio Lower Upper

41 100

39 70.5 43.5 65.3#

76 0.0 27.0 40.6#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

600

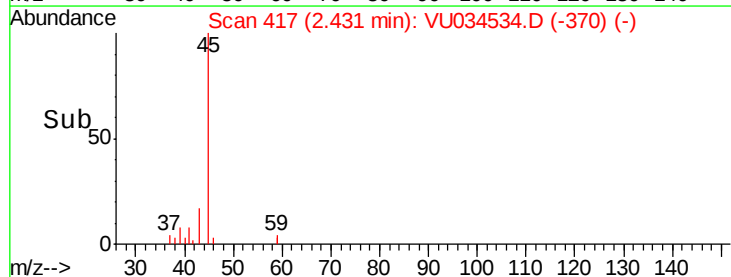
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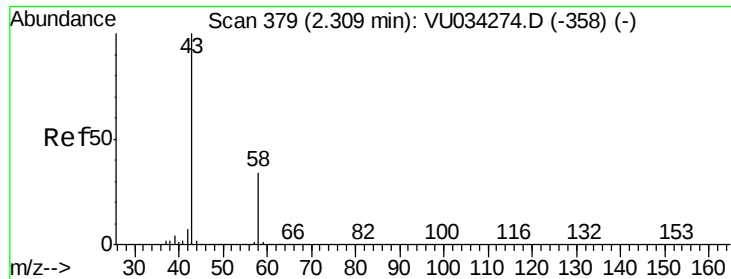
200

0

2.40 2.45 2.50

Time-->





#16

Acetone

Concen: 1.329 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

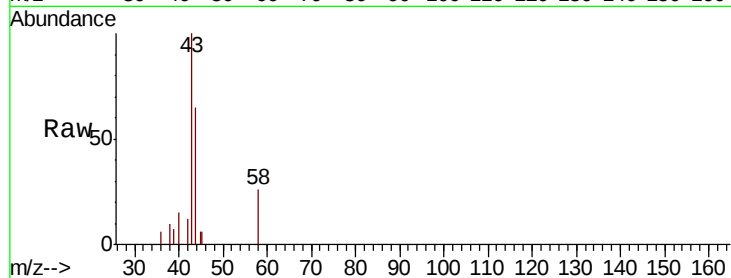
CPA-CPMW07S-M27W1-090419

Tgt Ion: 43 Resp: 2659

Ion Ratio Lower Upper

43 100

58 28.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.31

1500

1000

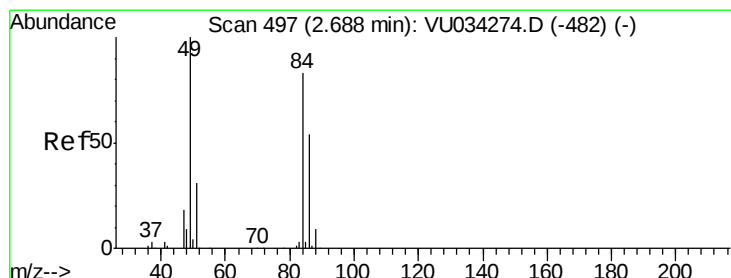
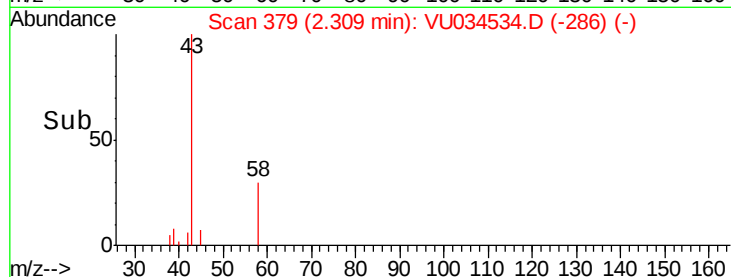
500

200

0

Time-->

2.25 2.30 2.35 2.40



#20

Methylene Chloride

Concen: Below Cal

RT: 2.69 min Scan# 499

Delta R.T. 0.01 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Tgt Ion: 84 Resp: 490

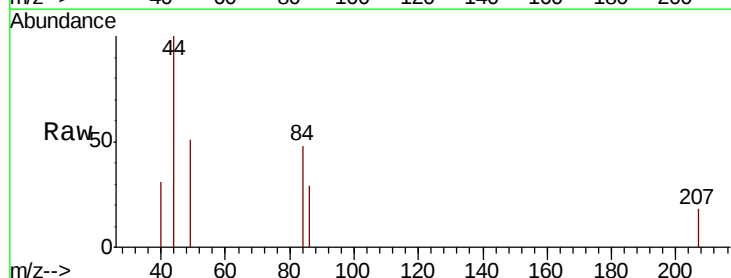
Ion Ratio Lower Upper

84 100

49 107.3 96.0 144.0

51 0.0 30.0 45.0#

86 61.5 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

2.69

500

400

300

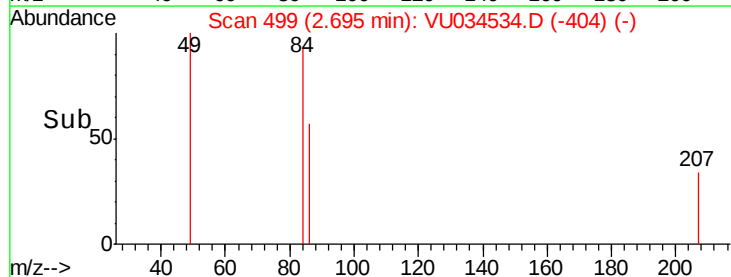
200

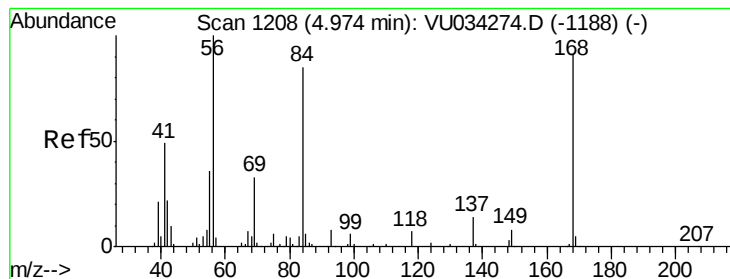
100

0

Time-->

2.66 2.68 2.70 2.72





#31

Cyclohexane

Concen: 0.952 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW07S-M27W1-090419

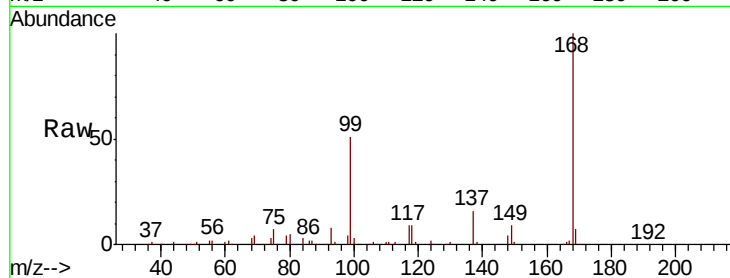
Tgt Ion: 56 Resp: 4311

Ion Ratio Lower Upper

56 100

69 213.9 26.7 40.1#

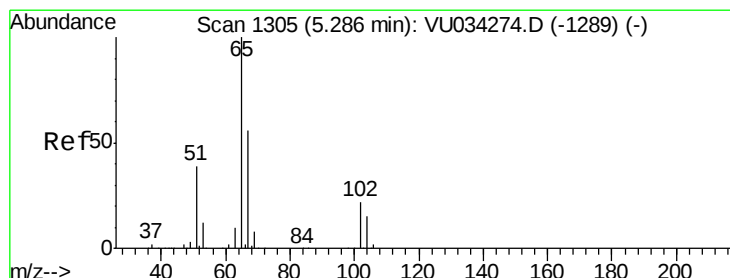
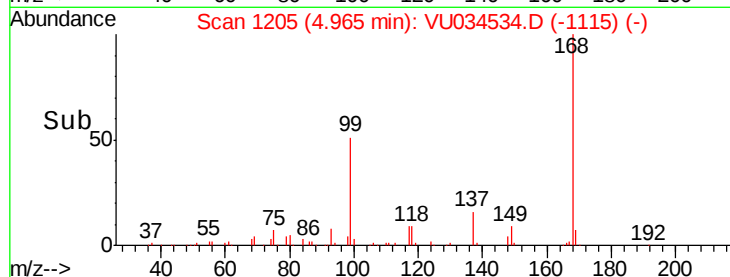
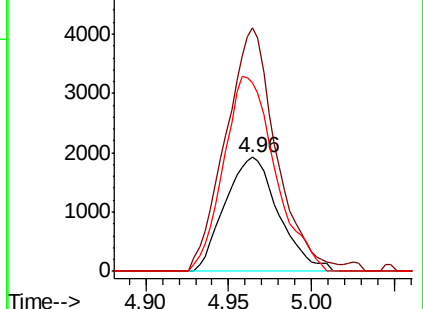
84 165.3 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 57.485 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034534.D

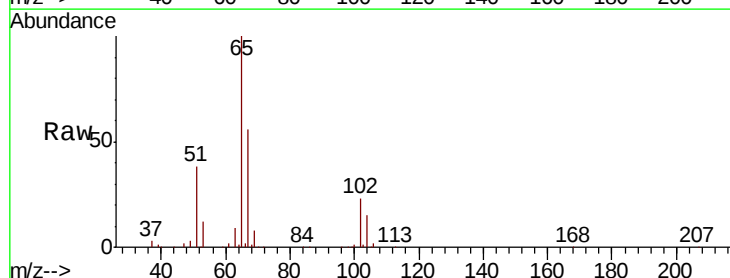
Acq: 12 Sep 2019 20:43

Tgt Ion: 65 Resp: 222274

Ion Ratio Lower Upper

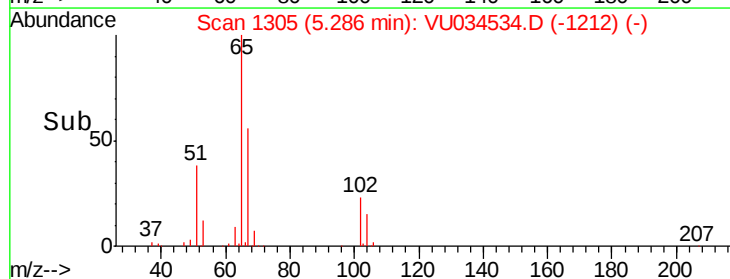
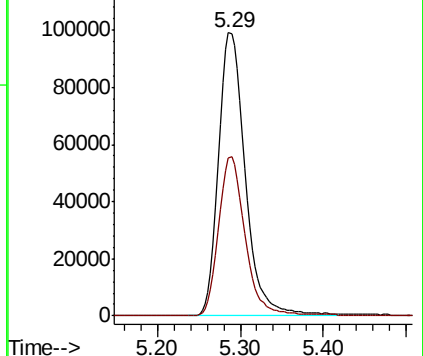
65 100

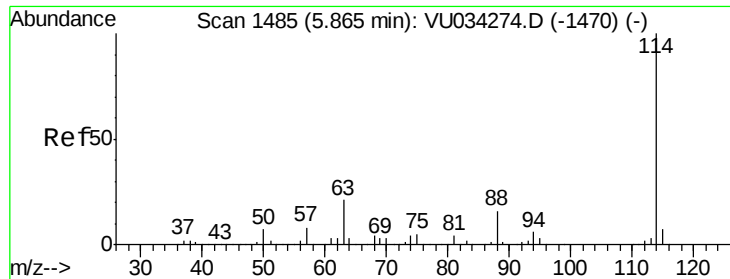
67 56.2 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

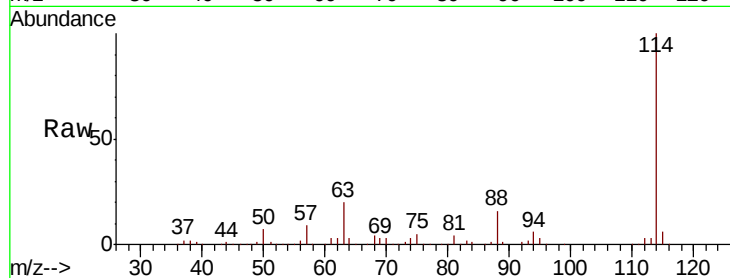




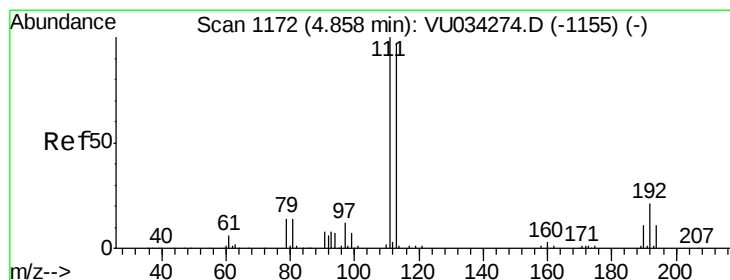
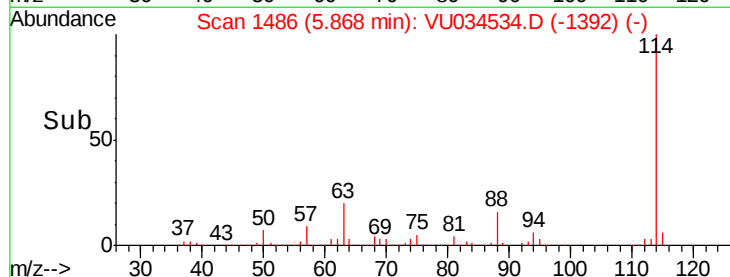
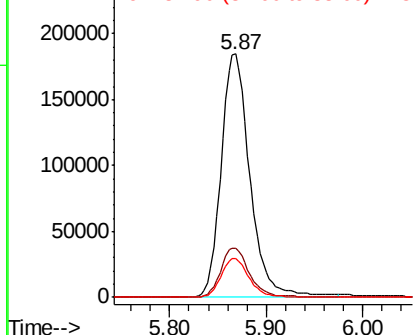
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034534.D
 Acq: 12 Sep 2019 20:43

Instrument :
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 CPA-CPMW07S-M27W1-090419

Tgt Ion:	114	Resp:	383307
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.4
88	15.8	0.0	32.4

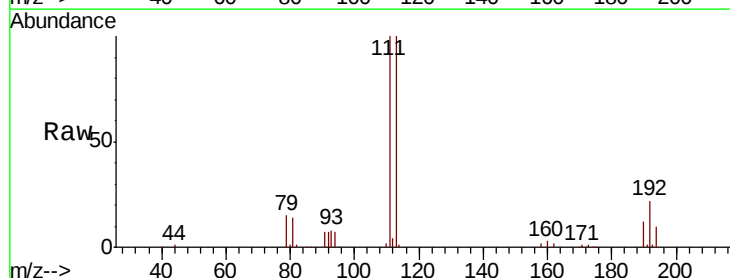


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

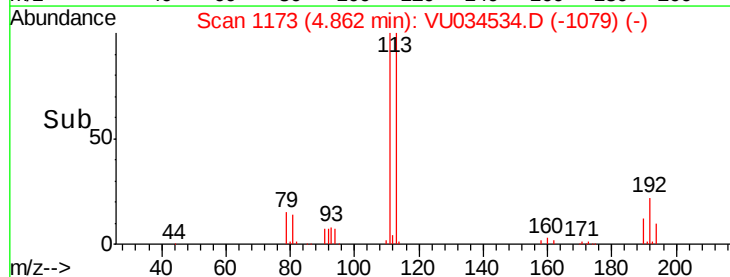
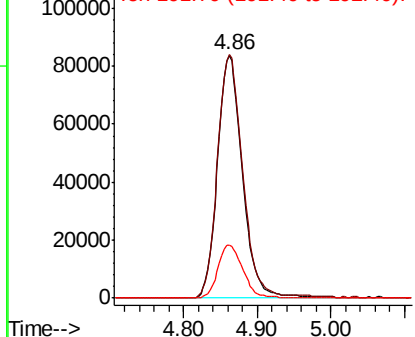


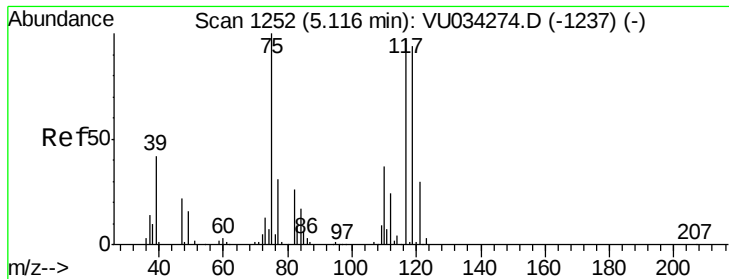
#35
 Dibromofluoromethane
 Concen: 55.282 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034534.D
 Acq: 12 Sep 2019 20:43

Tgt Ion:	113	Resp:	197172
Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.5	122.3
192	21.8	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

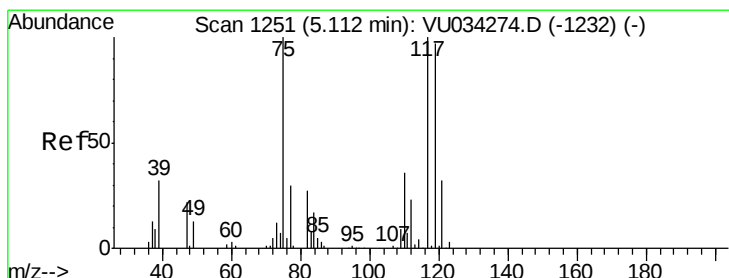
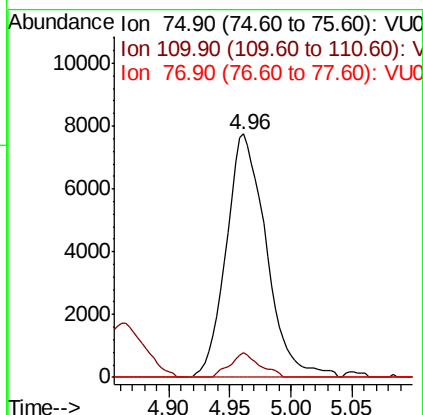
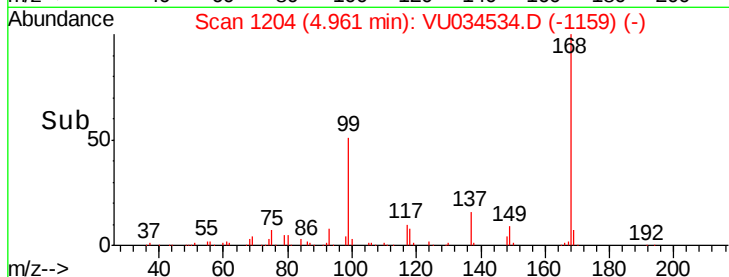
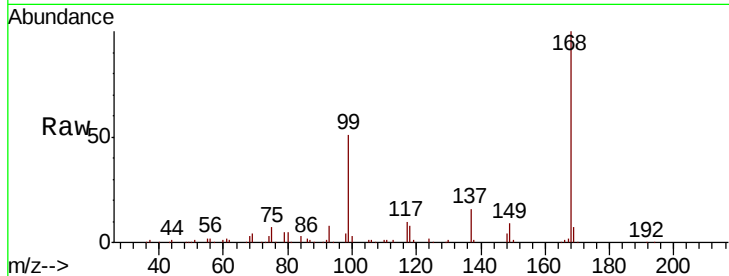




#36
 1,1-Dichloropropene
 Concen: 4.251 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034534.D
 Acq: 12 Sep 2019 20:43

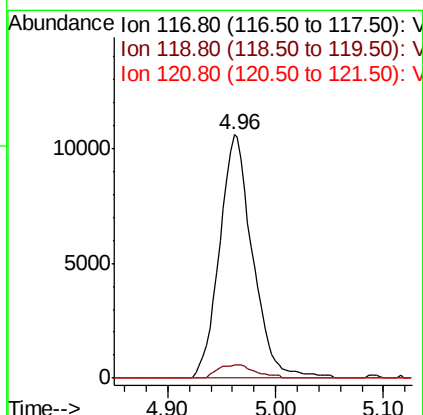
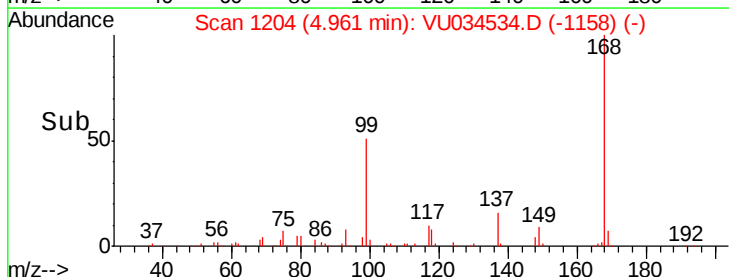
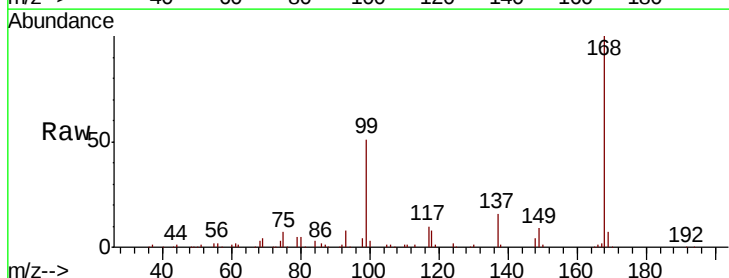
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 CPA-CPMW07S-M27W1-090419

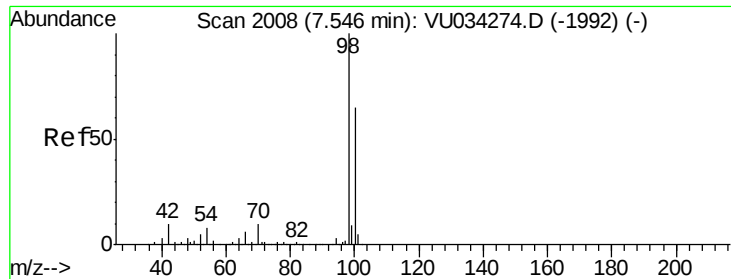
Tgt Ion: 75 Resp: 17673
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.097 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034534.D
 Acq: 12 Sep 2019 20:43

Tgt Ion: 117 Resp: 22623
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.8 116.6#
 121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 53.320 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

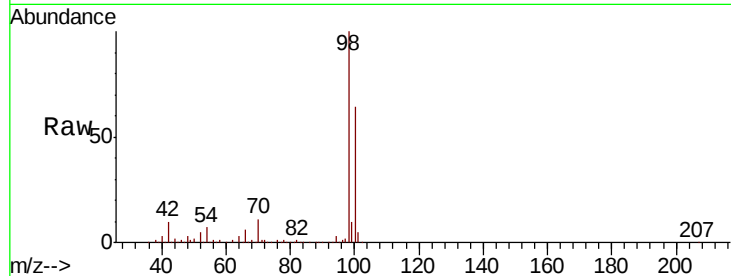
CPA-CPMW07S-M27W1-090419

Tgt Ion: 98 Resp: 714495

Ion Ratio Lower Upper

98 100

100 63.8 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) (-)

7.54

400000

300000

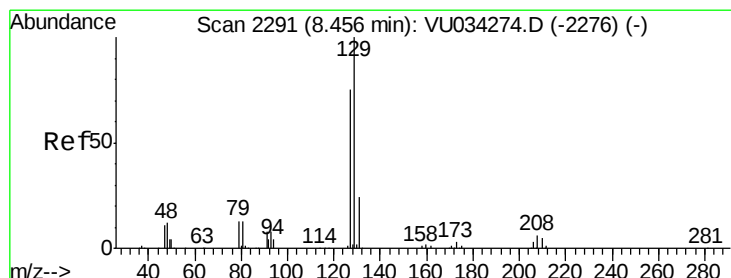
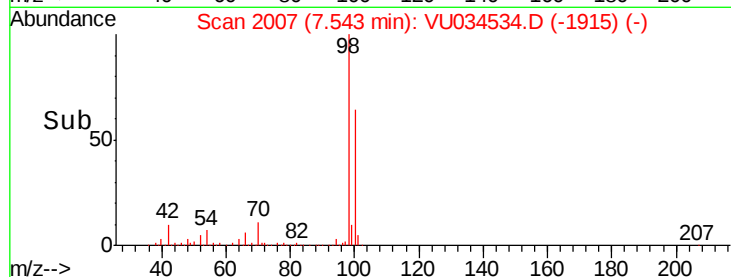
200000

100000

0

7.50 7.60 7.70

Time-->



#60

Dibromochloromethane

Concen: 6.606 ug/l

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034534.D

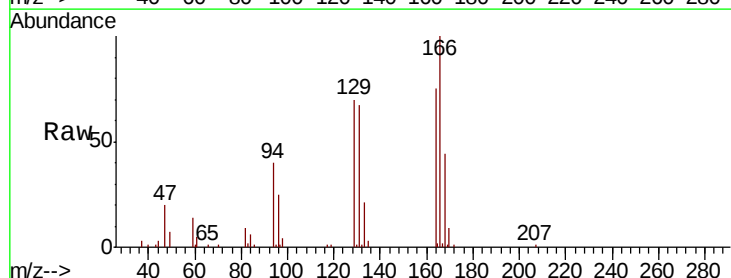
Acq: 12 Sep 2019 20:43

Tgt Ion: 129 Resp: 27071

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

15000

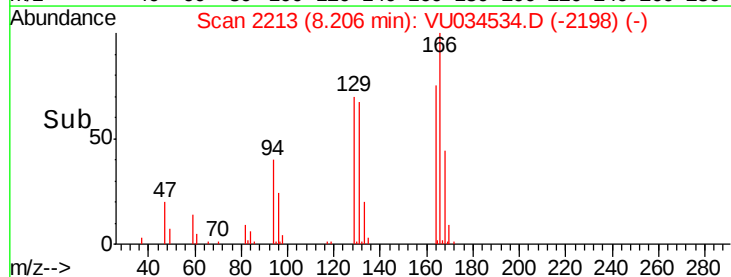
10000

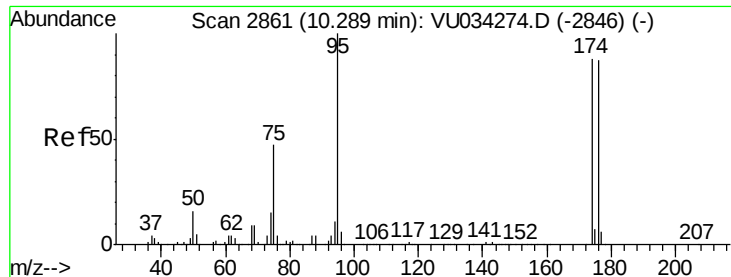
5000

0

8.15 8.20 8.25 8.30

Time-->

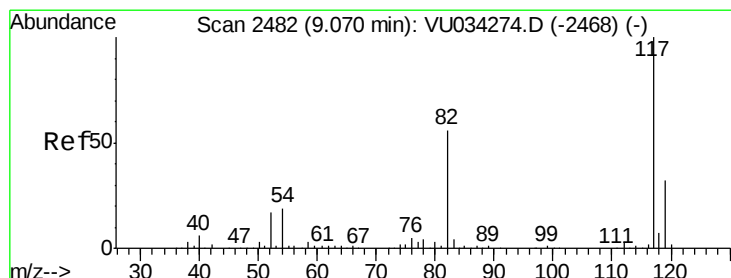
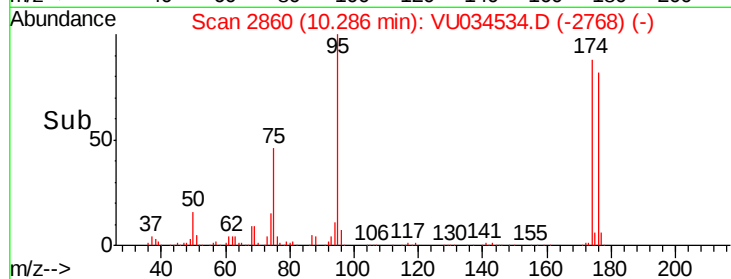
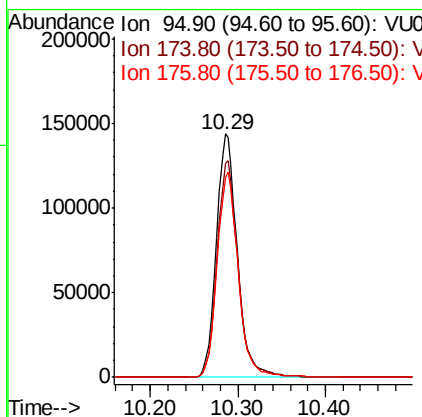
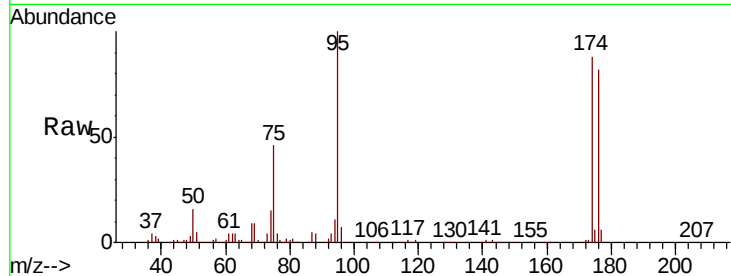




#62
4-Bromofluorobenzene
Concen: 46.334 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034534.D
Acq: 12 Sep 2019 20:43

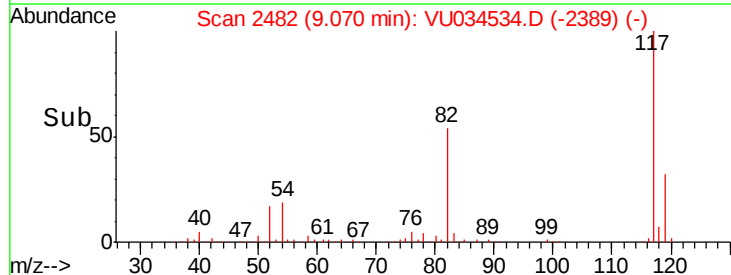
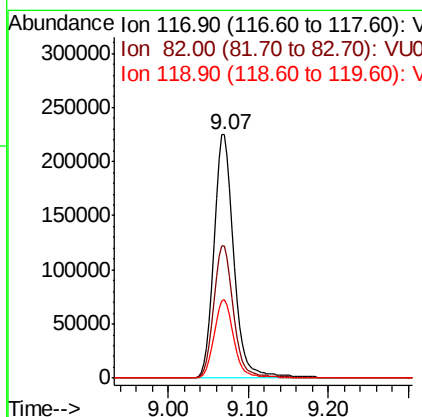
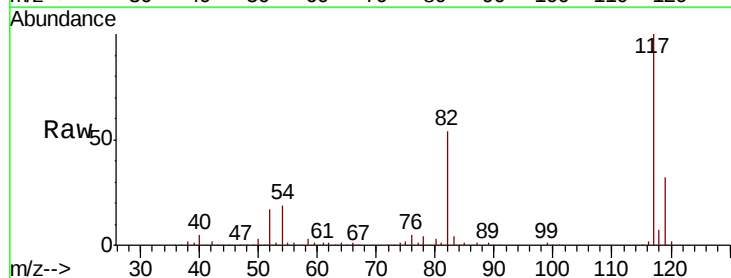
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW07S-M27W1-090419

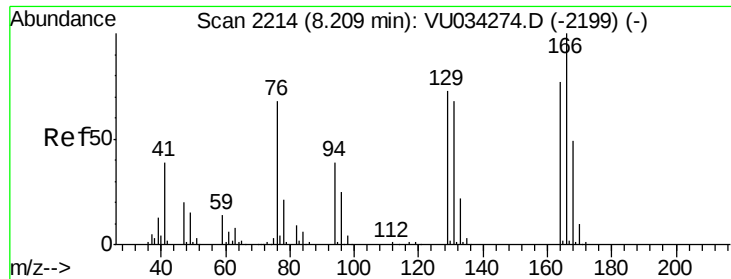
Tgt Ion: 95 Resp: 239720
Ion Ratio Lower Upper
95 100
174 89.0 0.0 175.2
176 85.3 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034534.D
Acq: 12 Sep 2019 20:43

Tgt Ion: 117 Resp: 392399
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.1 25.9 38.9

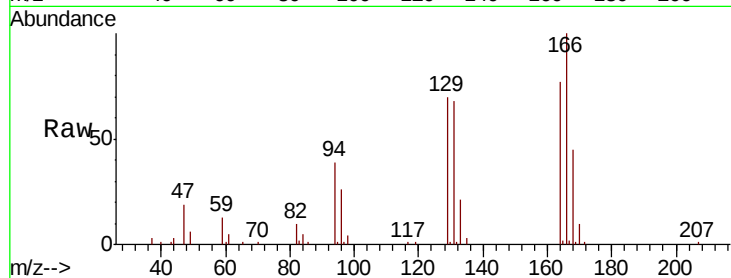




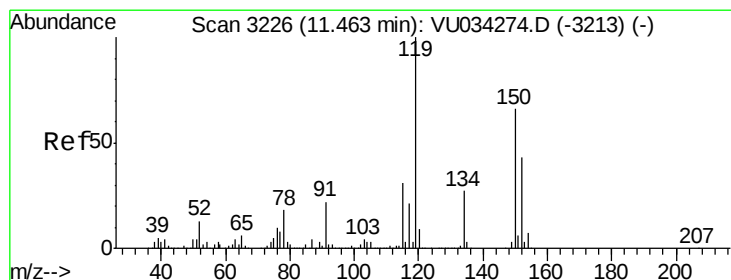
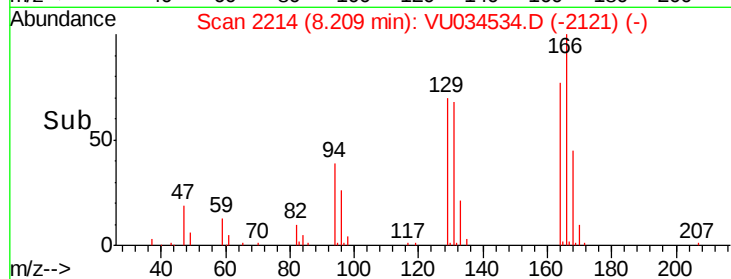
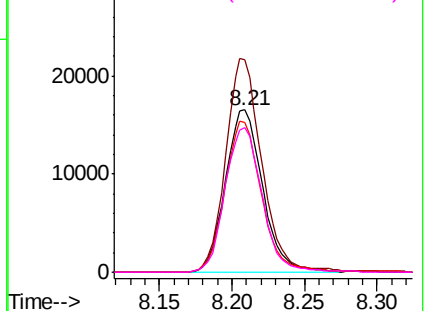
#64
Tetrachloroethene
Concen: 8.694 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034534.D
Acq: 12 Sep 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW07S-M27W1-090419

Tgt Ion:164 Resp: 29597
Ion Ratio Lower Upper
164 100
166 130.6 103.7 155.5
129 92.1 75.8 113.8
131 89.2 70.7 106.1

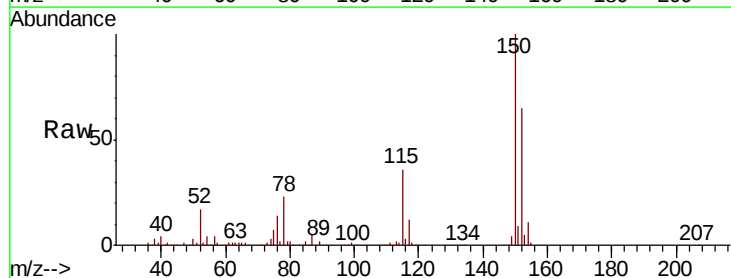


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

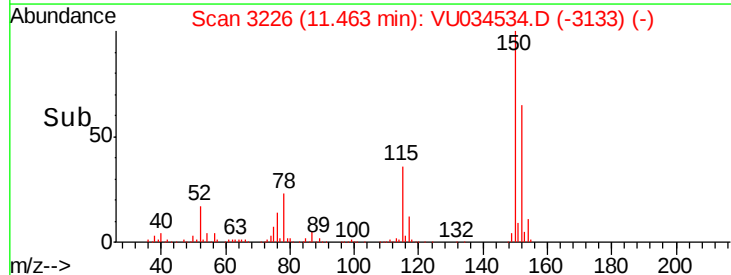
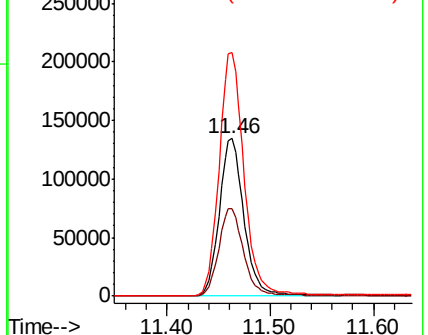


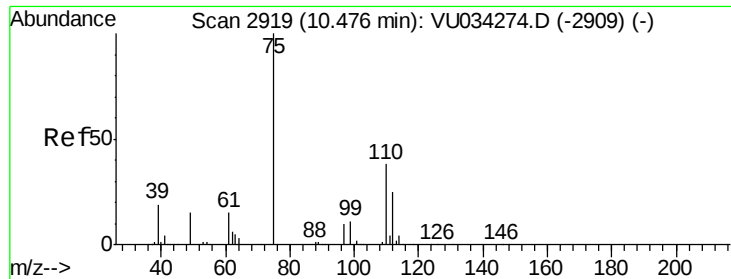
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034534.D
Acq: 12 Sep 2019 20:43

Tgt Ion:152 Resp: 224687
Ion Ratio Lower Upper
152 100
115 55.9 39.1 117.3
150 155.8 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: 22.715 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

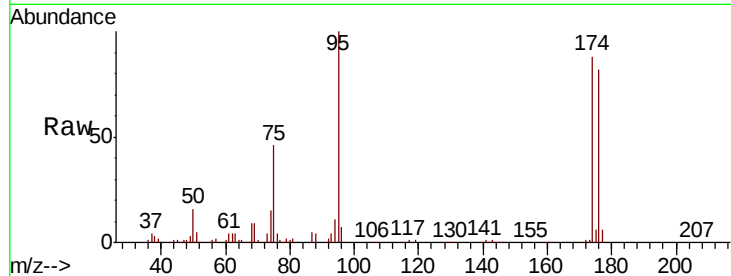
CPA-CPMW07S-M27W1-090419

Tgt Ion: 75 Resp: 111406

Ion Ratio Lower Upper

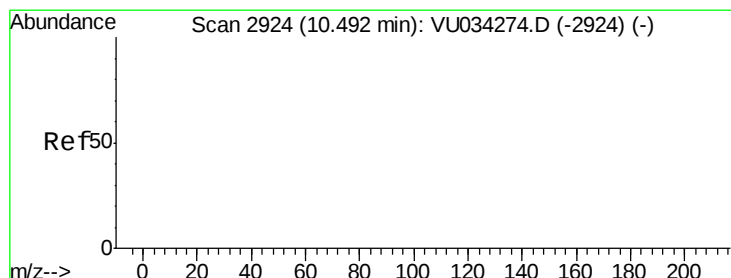
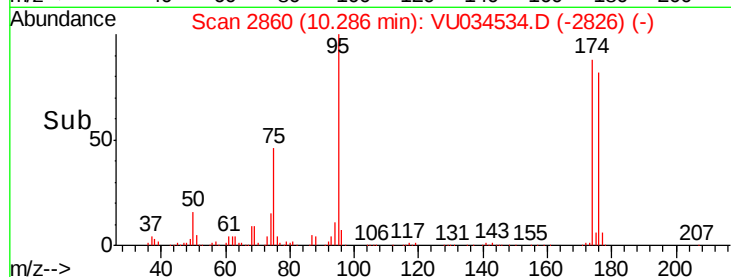
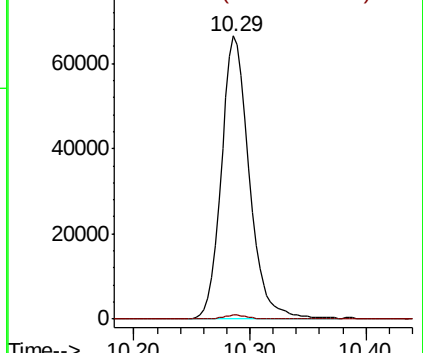
75 100

77 1.3 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: 76.389 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034534.D

Acq: 12 Sep 2019 20:43

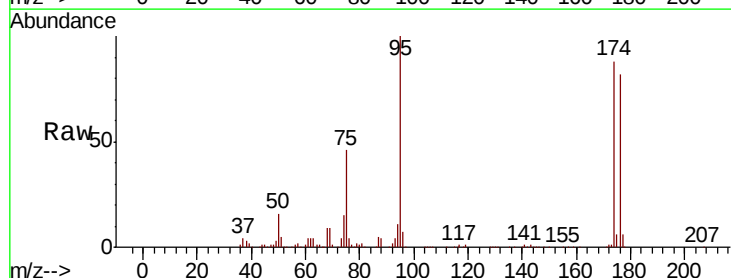
Tgt Ion: 75 Resp: 111406

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

