

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
 Data File : VU034439.D
 Acq On : 10 Sep 2019 10:33
 Operator : JC/SP
 Sample : K4756-26
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-TB1-M27W1-082819

Quant Time: Sep 11 05:51:44 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	225577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	325772	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	335592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	192114	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	195500	57.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.56%	
35) Dibromofluoromethane	4.86	113	174769	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
50) Toluene-d8	7.55	98	603123	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	10.29	95	206605	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

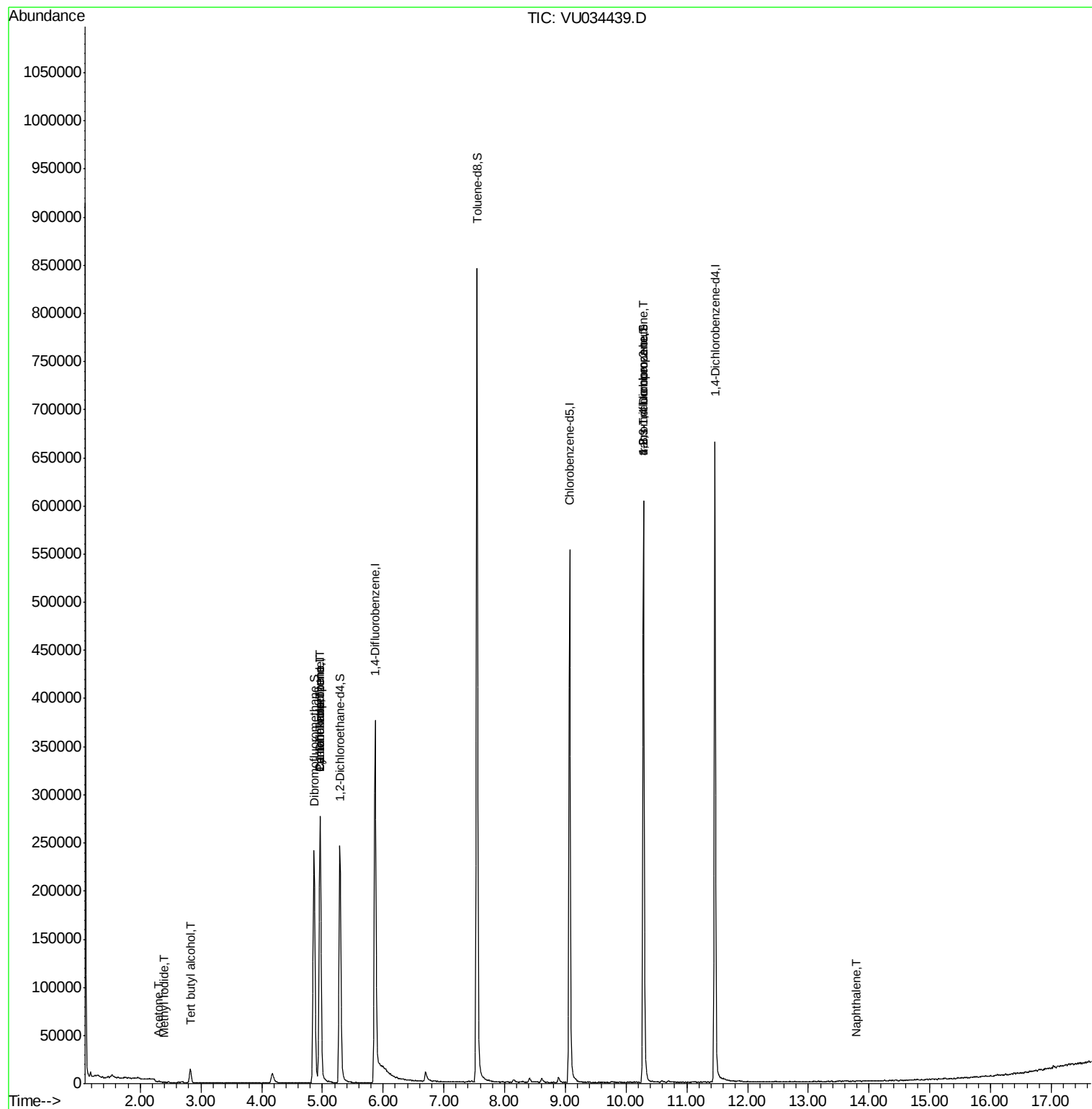
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	593	Below Cal		92
6) Chloroethane	1.68	64	127	Below Cal	#	43
10) Methyl Iodide	2.40	142	274	3.952	ug/l #	43
11) Tert butyl alcohol	2.83	59	8089	11.218	ug/l #	74
16) Acetone	2.32	43	926	0.524	ug/l #	73
20) Methylene Chloride	2.69	84	586	Below Cal	#	78
31) Cyclohexane	4.96	56	3958	0.990	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	15381	4.353	ug/l #	48
38) Carbon Tetrachloride	4.96	117	20312	5.384	ug/l #	17
76) 1,2,3-Trichloropropane	10.29	75	95265	22.717	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	95265	76.397	ug/l #	100
95) Naphthalene	13.79	128	81	3.972	ug/l #	69

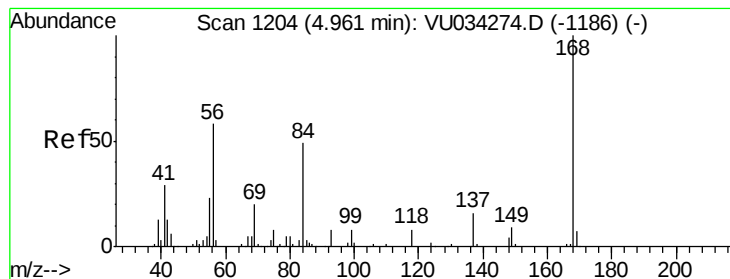
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

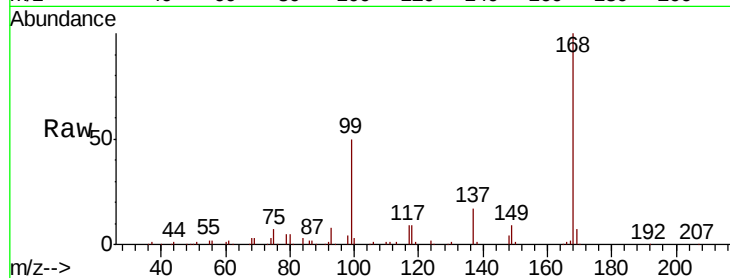
CPA-TB1-M27W1-082819

Tgt Ion:168 Resp: 225577

Ion Ratio Lower Upper

168 100

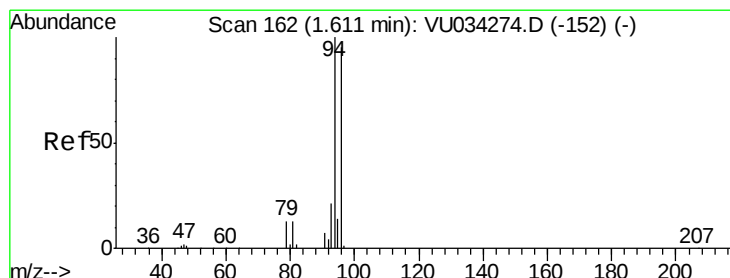
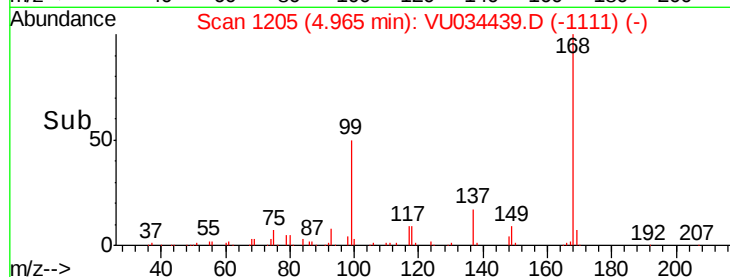
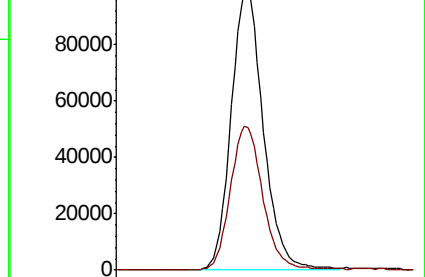
99 50.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034439.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034439.D (-1186) (-)

4.96



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034439.D

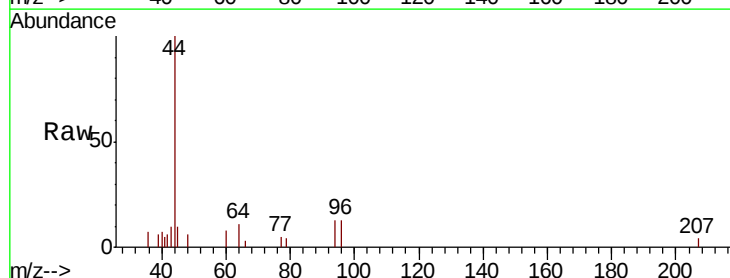
Acq: 10 Sep 2019 10:33

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

94 100

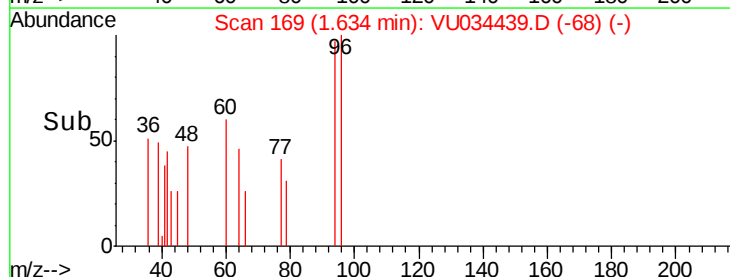
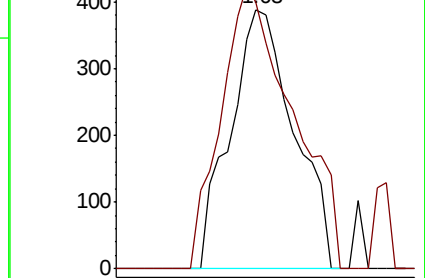
96 102.8 75.7 113.5

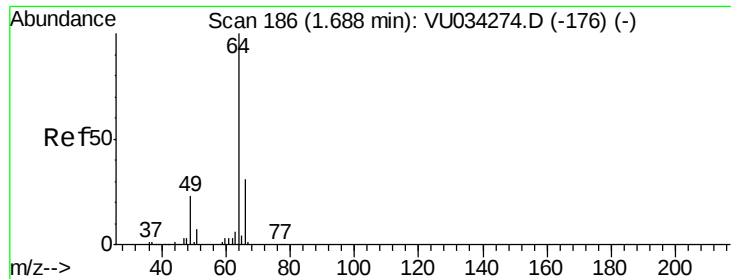


Abundance Ion 93.90 (93.60 to 94.60): VU034439.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034439.D (-68) (-)

1.63





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

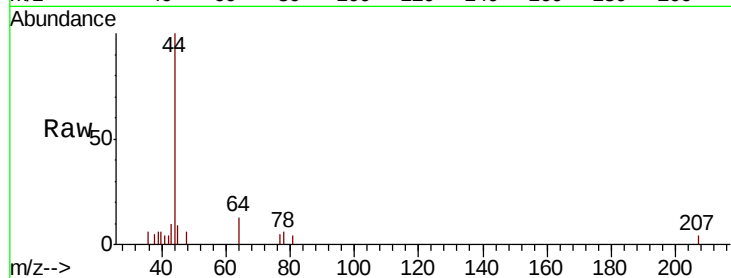
CPA-TB1-M27W1-082819

Tgt Ion: 64 Resp: 127

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034439.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034439.D (-93) (-)

1.68

400

300

200

100

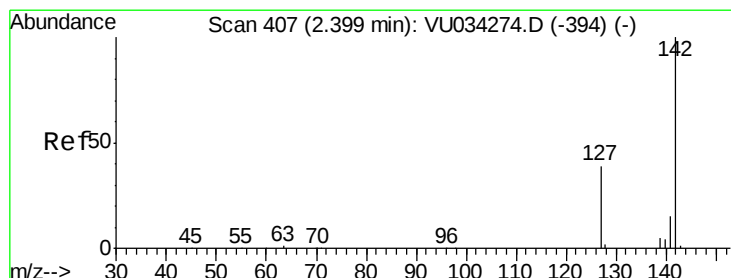
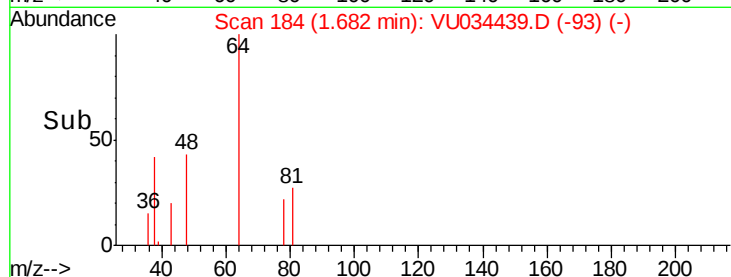
0

1.67

1.68

1.69

Time-->



#10

Methyl Iodide

Concen: 3.952 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

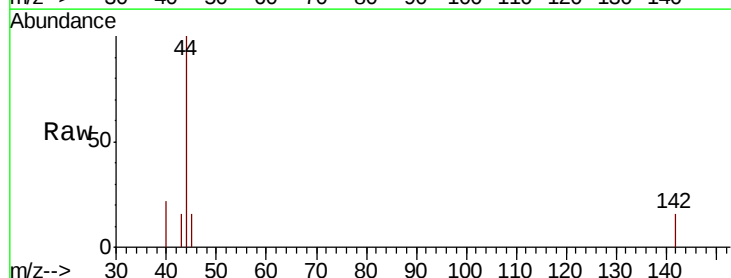
Tgt Ion: 142 Resp: 274

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): VU034439.D (-313) (-)

Ion 126.80 (126.50 to 127.50): VU034439.D (-313) (-)

Ion 140.80 (140.50 to 141.50): VU034439.D (-313) (-)

2.40

200

150

100

50

0

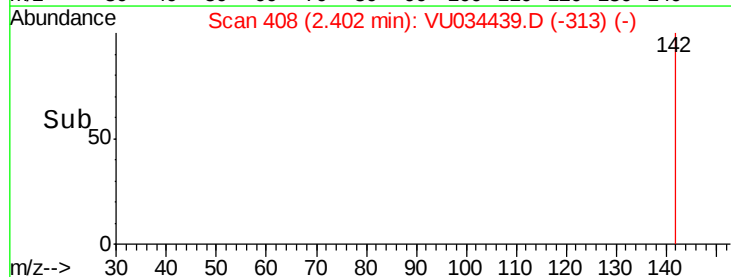
2.38

2.40

2.42

2.44

Time-->





#11

Tert butyl alcohol

Concen: 11.218 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

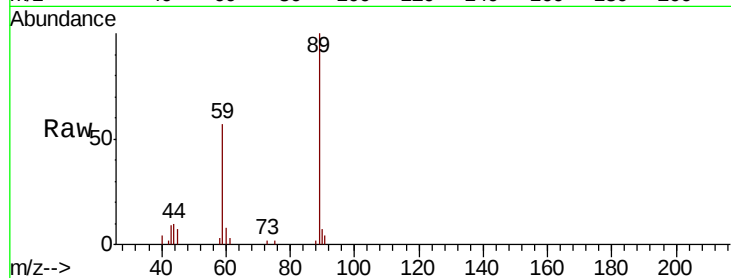
CPA-TB1-M27W1-082819

Tgt Ion: 59 Resp: 8089

Ion Ratio Lower Upper

59 100

57 0.3 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034439.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VU034439.D (-443) (-)

2.83

4000

3000

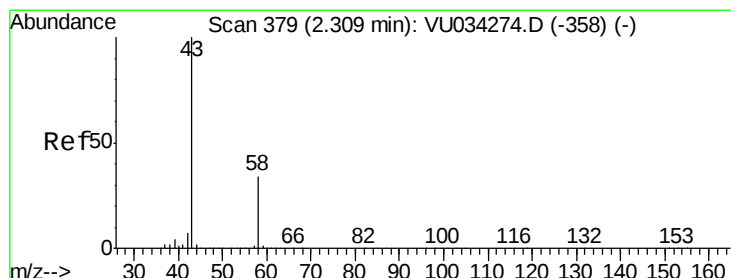
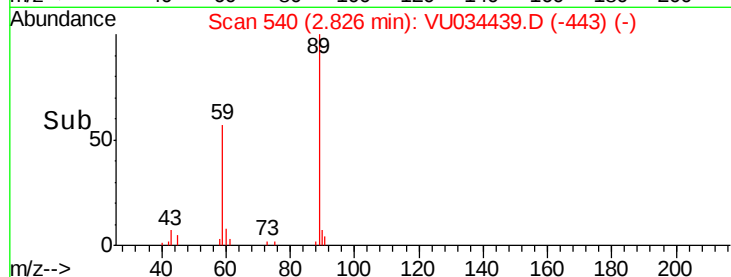
2000

1000

0

Time-->

2.75 2.80 2.85 2.90



#16

Acetone

Concen: 0.524 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034439.D

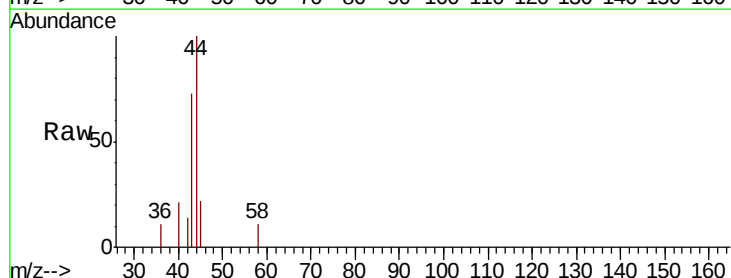
Acq: 10 Sep 2019 10:33

Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

58 19.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034439.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034439.D (-286) (-)

2.32

800

600

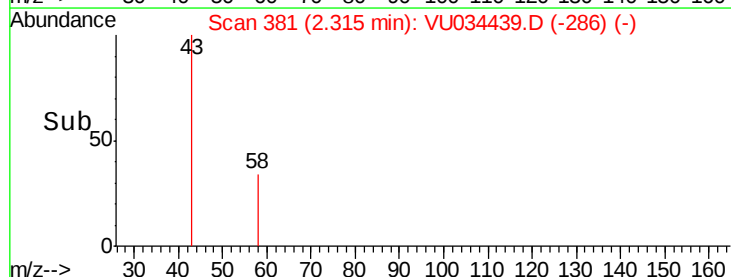
400

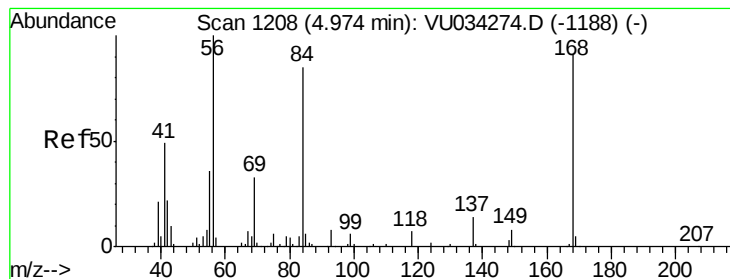
200

0

Time-->

2.30 2.35





#31

Cyclohexane

Concen: 0.990 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

CPA-TB1-M27W1-082819

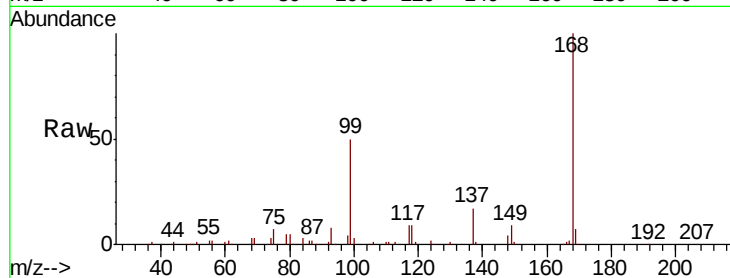
Tgt Ion: 56 Resp: 3958

Ion Ratio Lower Upper

56 100

69 192.7 26.7 40.1#

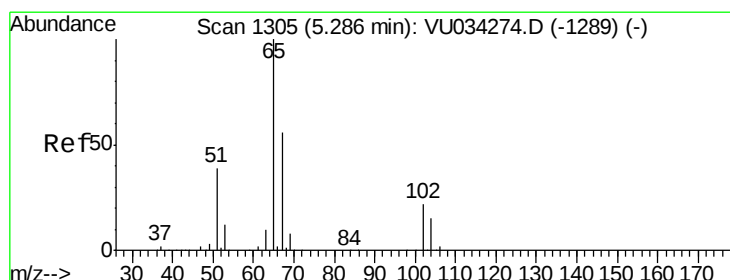
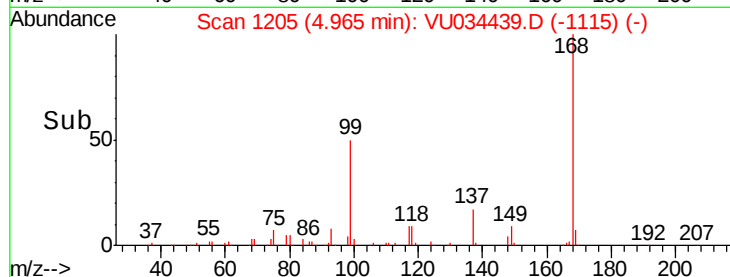
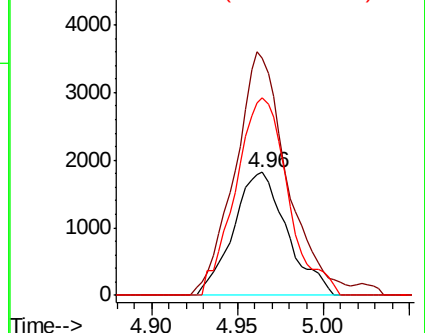
84 161.0 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034439.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034439.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034439.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.280 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034439.D

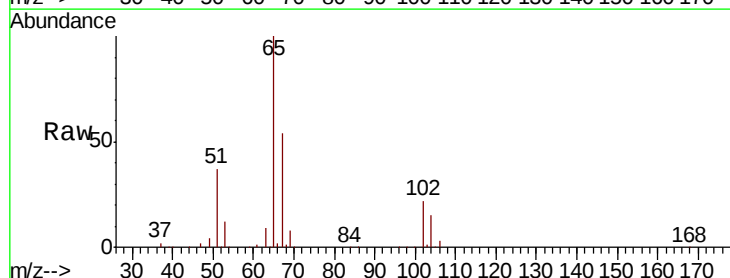
Acq: 10 Sep 2019 10:33

Tgt Ion: 65 Resp: 195500

Ion Ratio Lower Upper

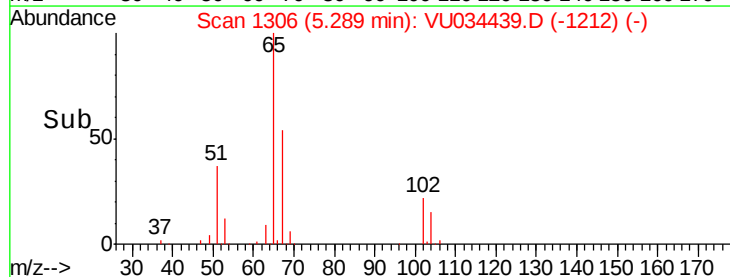
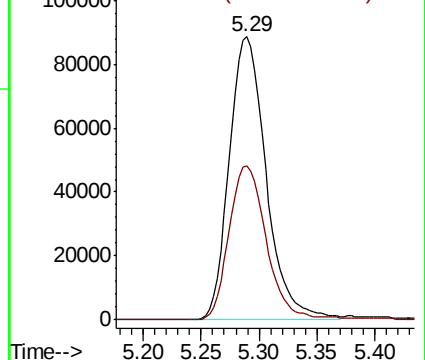
65 100

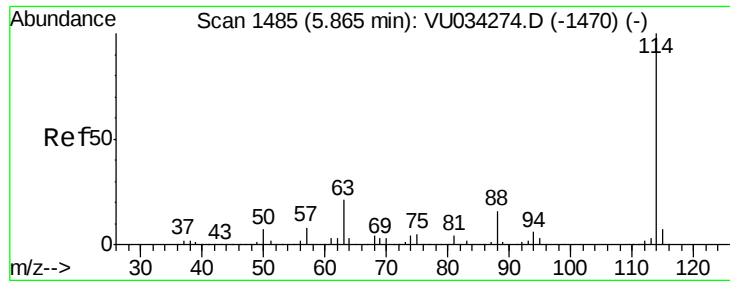
67 55.2 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034439.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034439.D (-1212) (-)

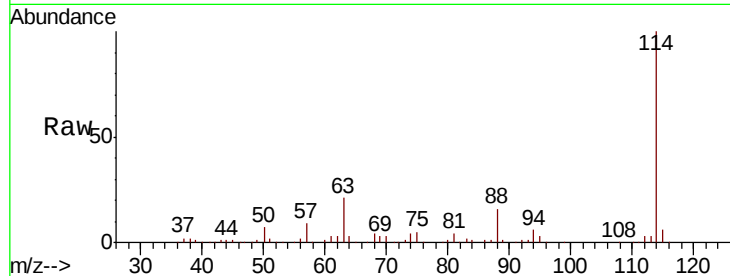




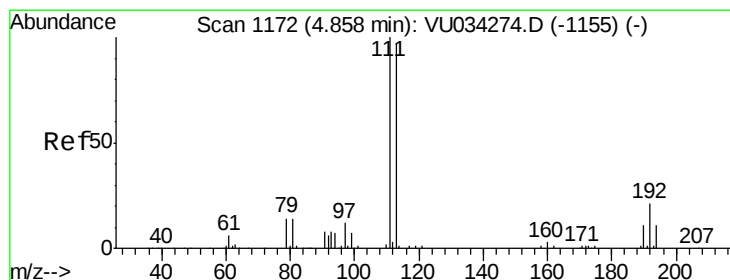
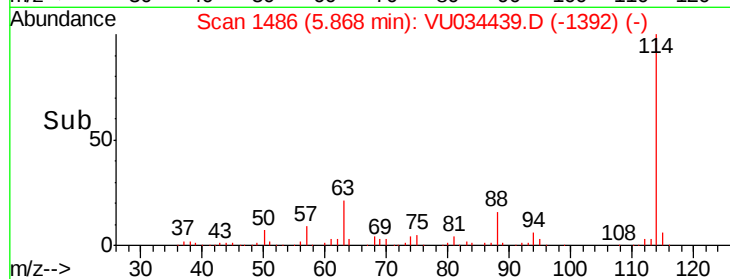
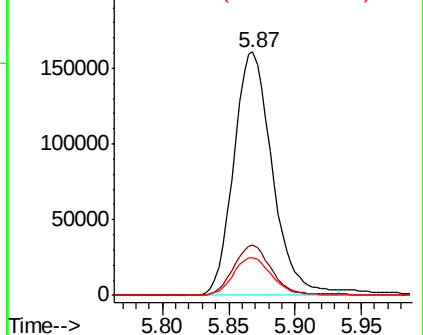
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034439.D
 Acq: 10 Sep 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-TB1-M27W1-082819

Tgt Ion:114 Resp: 325772
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.4
 88 15.6 0.0 32.4

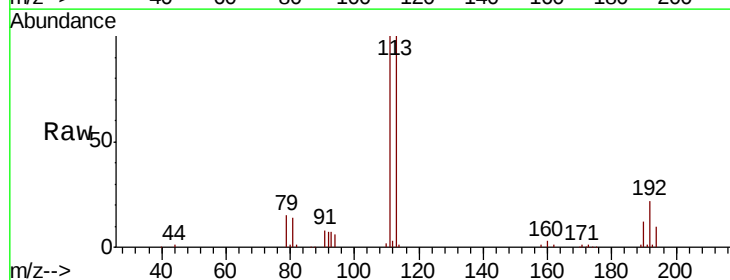


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

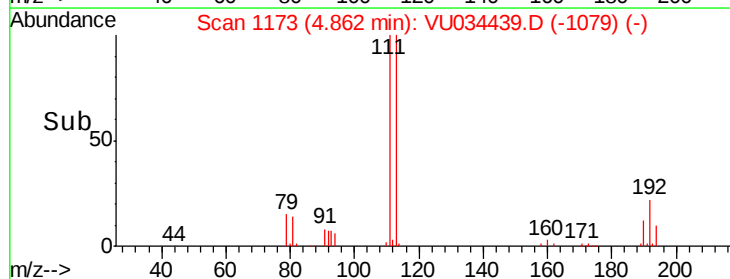
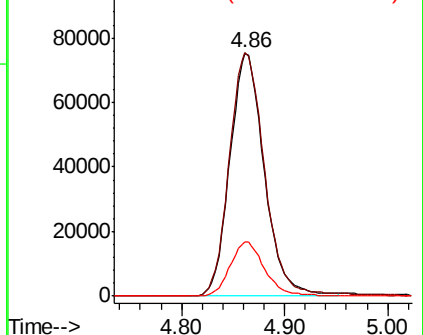


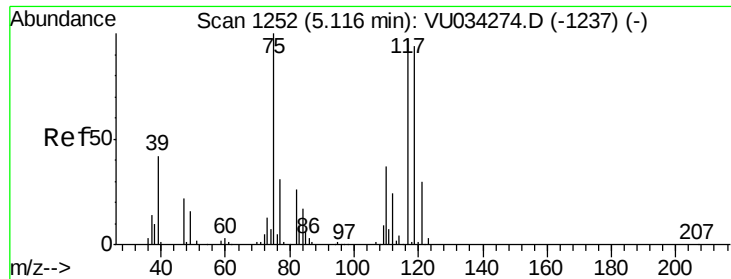
#35
 Dibromofluoromethane
 Concen: 57.654 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034439.D
 Acq: 10 Sep 2019 10:33

Tgt Ion:113 Resp: 174769
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.5 122.3
 192 22.4 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: 4.353 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

CPA-TB1-M27W1-082819

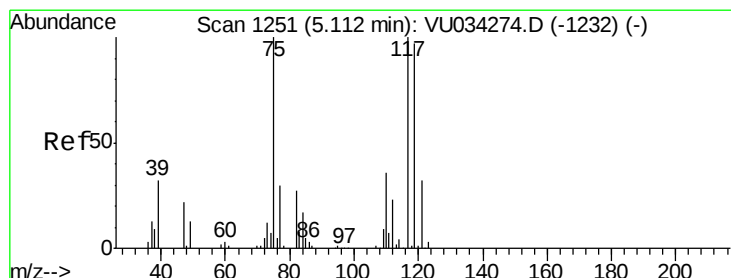
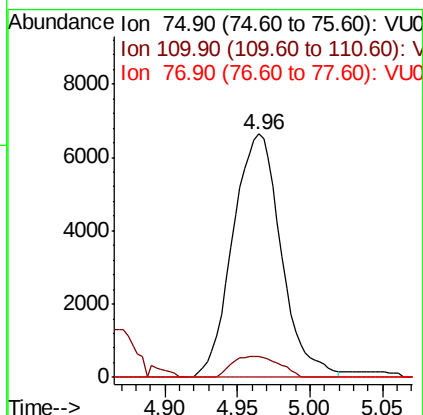
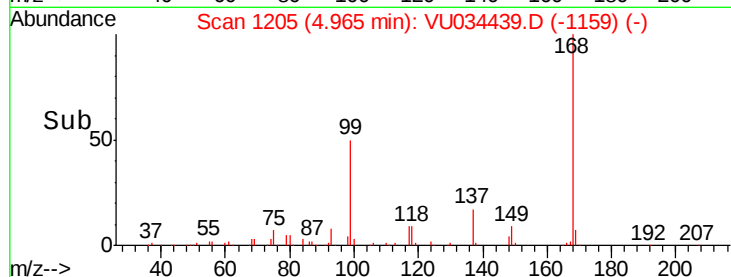
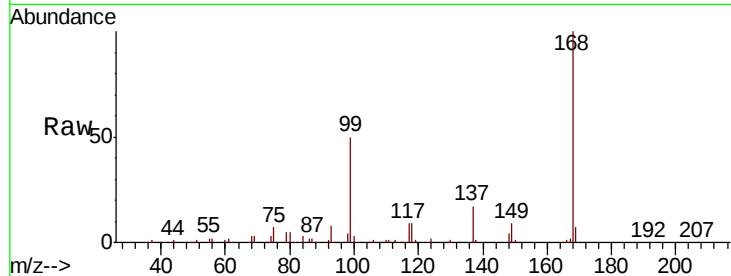
Tgt Ion: 75 Resp: 15381

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.384 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

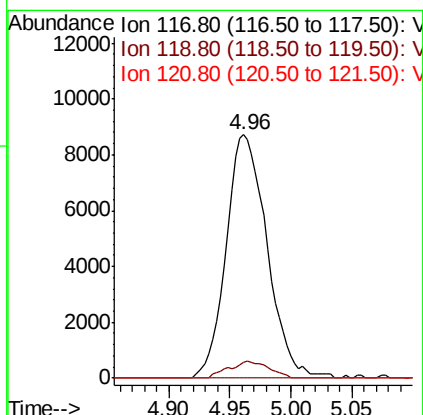
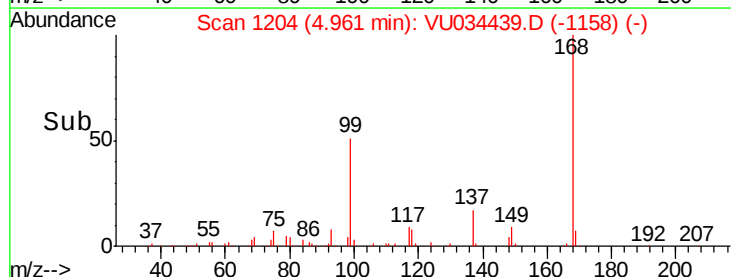
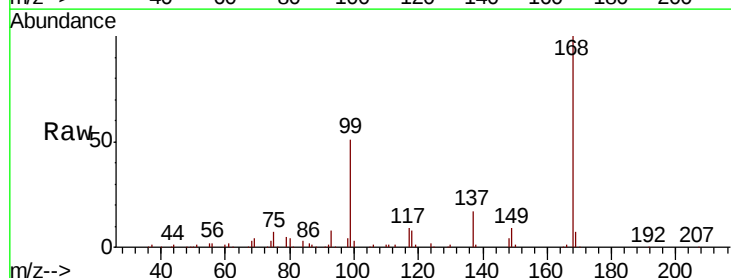
Tgt Ion: 117 Resp: 20312

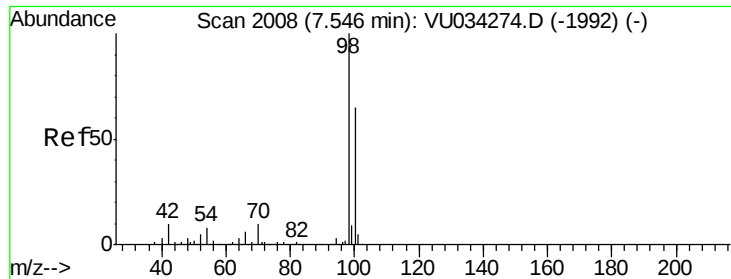
Ion Ratio Lower Upper

117 100

119 6.7 77.8 116.6#

121 0.0 25.2 37.8#

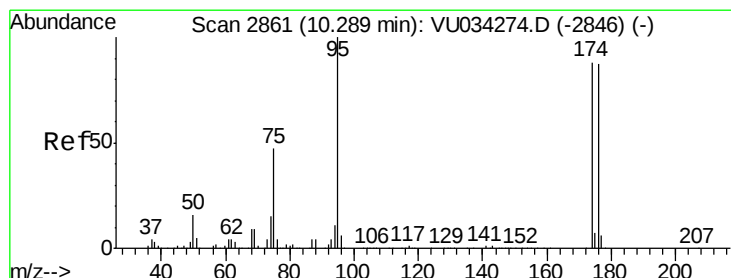
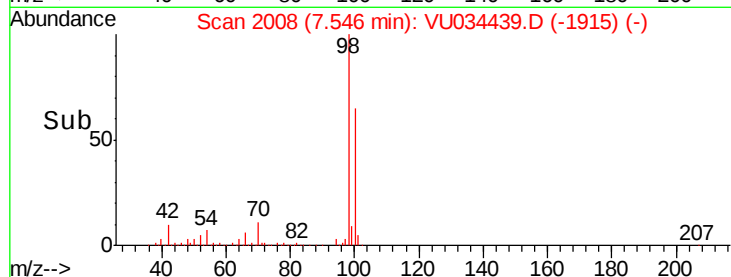
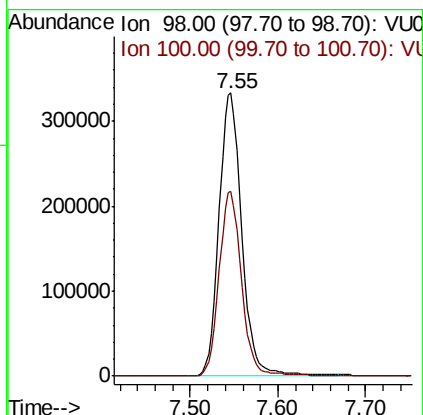
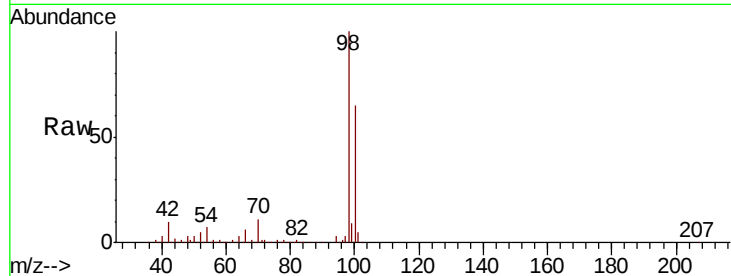




#50
Toluene-d8
Concen: 52.958 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034439.D
Acq: 10 Sep 2019 10:33

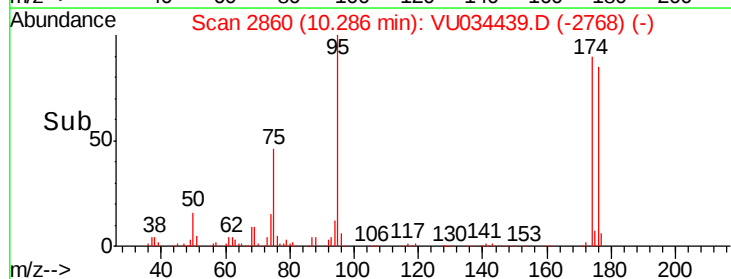
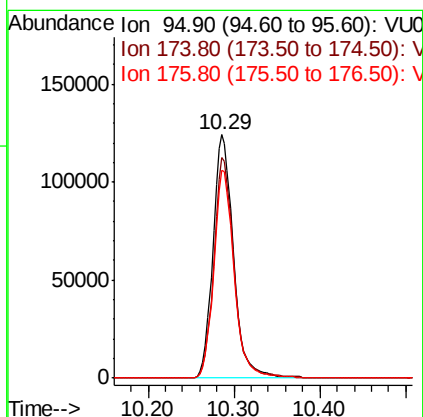
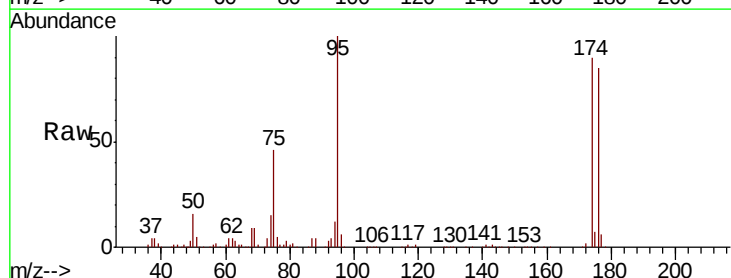
Instrument :
MSVOA_U
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CPA-TB1-M27W1-082819

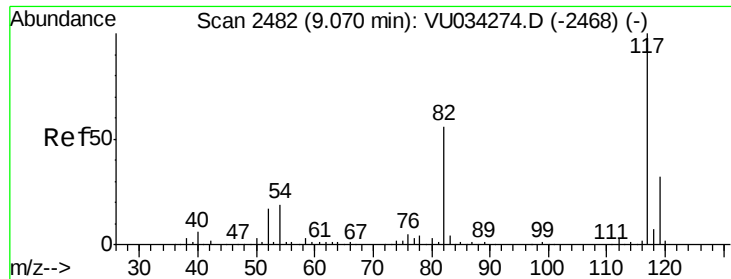
Tgt Ion: 98 Resp: 603123
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.986 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034439.D
Acq: 10 Sep 2019 10:33

Tgt Ion: 95 Resp: 206605
Ion Ratio Lower Upper
95 100
174 89.8 0.0 175.2
176 85.0 0.0 168.0

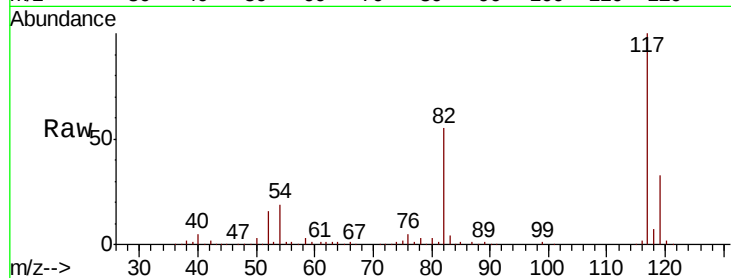




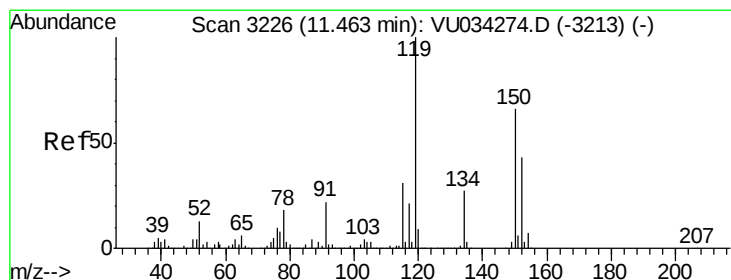
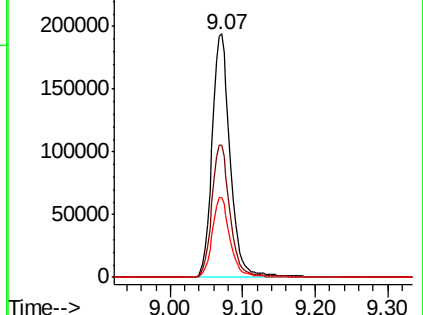
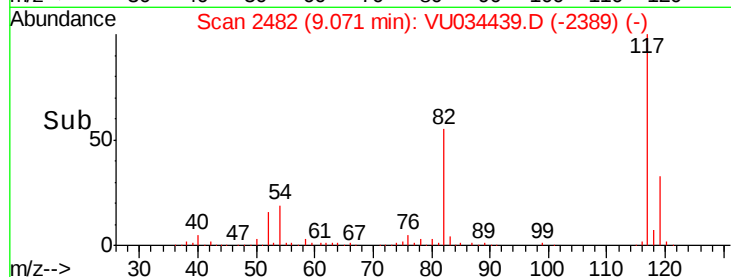
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034439.D
Acq: 10 Sep 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
CPA-TB1-M27W1-082819

Tgt Ion:117 Resp: 335592
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 32.6 25.9 38.9

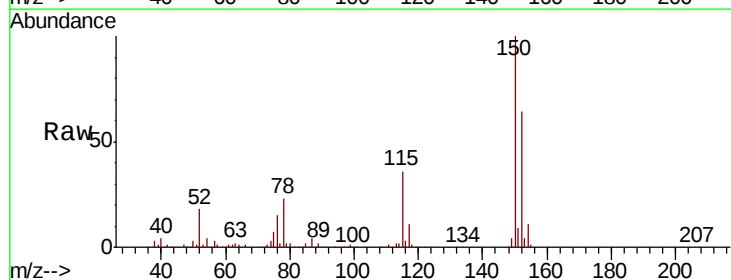


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034439.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

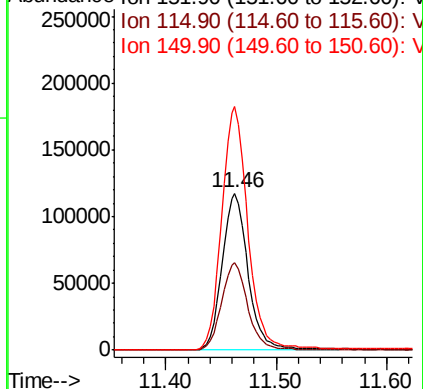
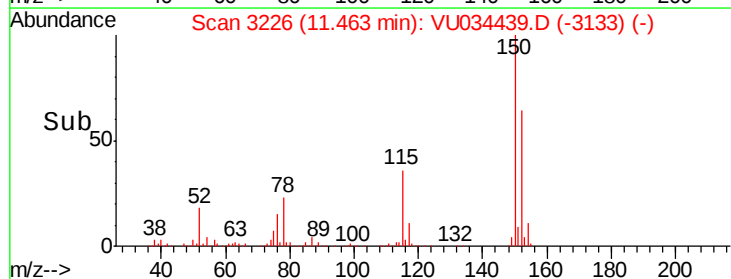


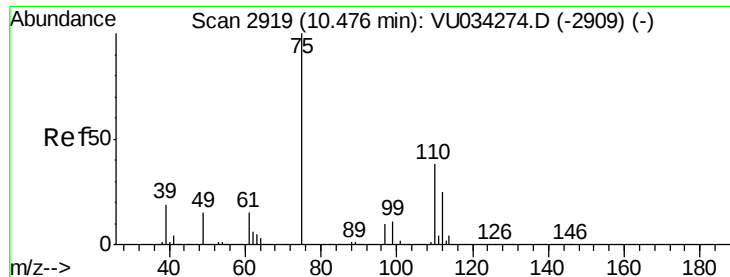
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034439.D
Acq: 10 Sep 2019 10:33

Tgt Ion:152 Resp: 192114
Ion Ratio Lower Upper
152 100
115 55.5 39.1 117.3
150 156.4 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU034439.D (-3133) (-)
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.717 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

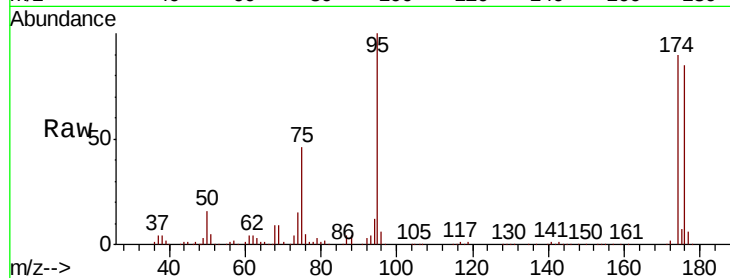
CPA-TB1-M27W1-082819

Tgt Ion: 75 Resp: 95265

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034439.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VU034439.D (-2860) (-)

10.29

60000

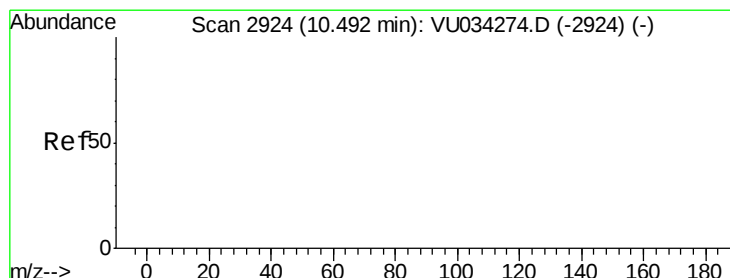
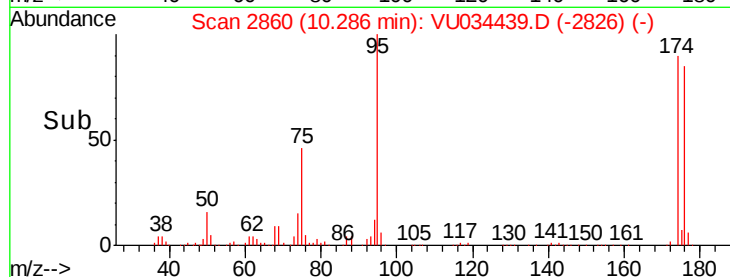
40000

20000

0

Time-->

10.20 10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 76.397 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034439.D

Acq: 10 Sep 2019 10:33

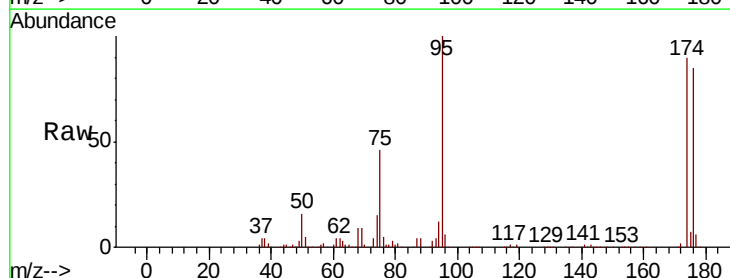
Tgt Ion: 75 Resp: 95265

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): VU034439.D (-2860) (-)

Ion 53.00 (52.70 to 53.70): VU034439.D (-2860) (-)

Ion 88.90 (88.60 to 89.60): VU034439.D (-2860) (-)

10.29

60000

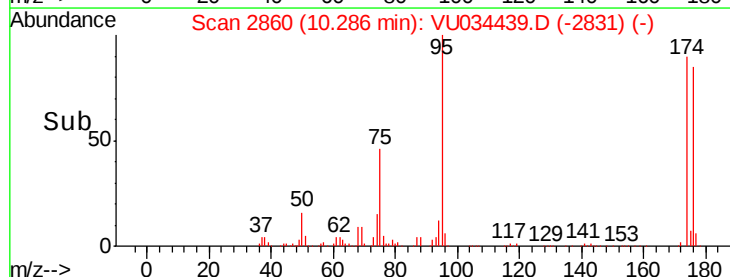
40000

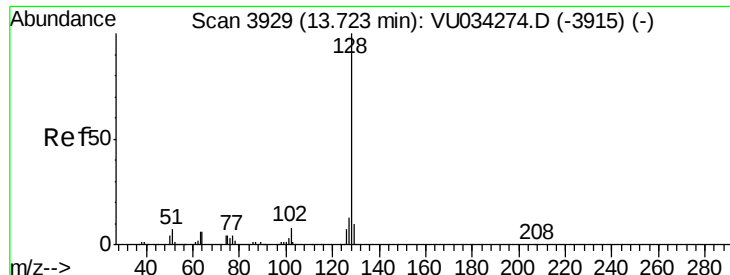
20000

0

Time-->

10.20 10.30 10.40





#95

Naphthalene

Concen: 3.972 ug/l

RT: 13.79 min Scan# 3950

Delta R.T. 0.07 min

Lab File: VU034439.D

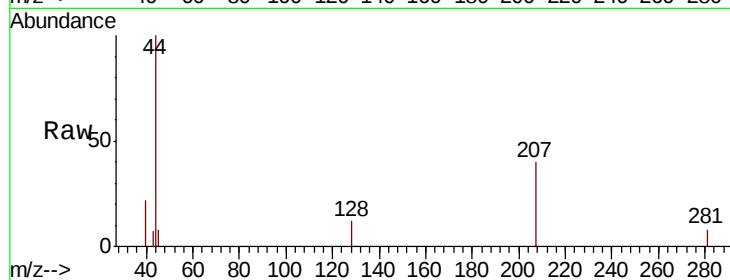
Acq: 10 Sep 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

CPA-TB1-M27W1-082819



Tgt Ion:128 Resp: 81

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.4 12.6#

