

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034535.D
 Acq On : 12 Sep 2019 21:06
 Operator : JC/SP
 Sample : K4756-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-MW16-001-M27W1-090419

Quant Time: Sep 13 07:14:12 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	251699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	379496	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	387611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	218640	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	216834	56.94	ug/l	0.00
Spiked Amount			Recovery	=	113.88%	
35) Dibromofluoromethane	4.86	113	190459	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	7.55	98	691972	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	10.29	95	230282	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

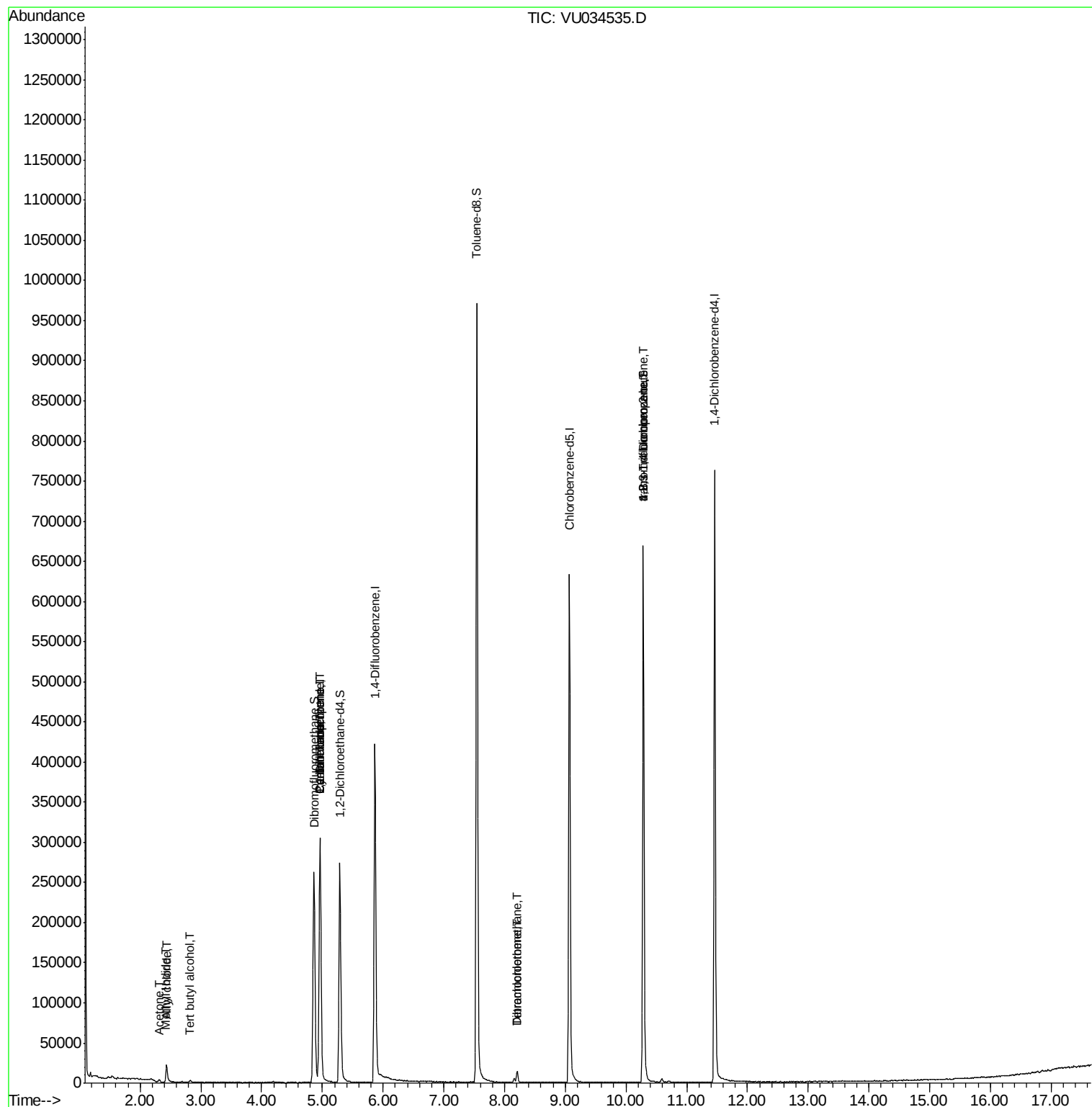
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.59	94	44	Below Cal	#	2
6) Chloroethane	1.69	64	89	Below Cal	#	43
10) Methyl Iodide	2.41	142	143	3.896	ug/l #	43
11) Tert butyl alcohol	2.83	59	2233	2.775	ug/l #	73
14) Allyl chloride	2.43	41	2510	0.479	ug/l #	62
16) Acetone	2.32	43	3812	1.934	ug/l	99
20) Methylene Chloride	2.69	84	331	Below Cal	#	76
31) Cyclohexane	4.96	56	4156	0.932	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16905	4.107	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22735	5.174	ug/l #	16
60) Dibromochloromethane	8.21	129	3324	0.819	ug/l #	12
64) Tetrachloroethene	8.21	164	3598	1.070	ug/l	94
76) 1,2,3-Trichloropropane	10.29	75	106422	22.299	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	106422	74.990	ug/l #	100

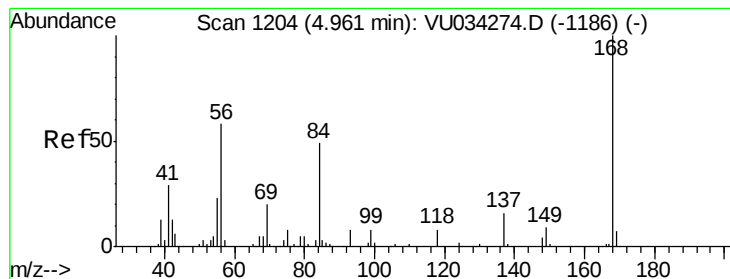
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

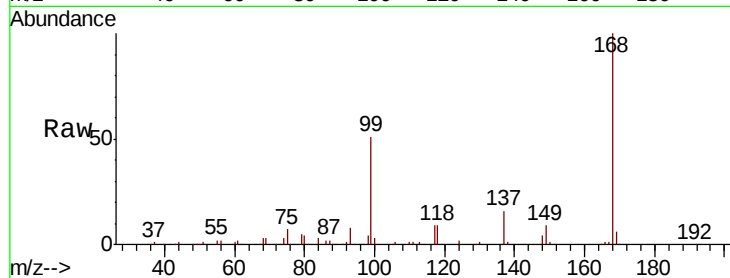
CPA-MW16-001-M27W1-090419

Tgt Ion:168 Resp: 251699

Ion Ratio Lower Upper

168 100

99 50.6 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

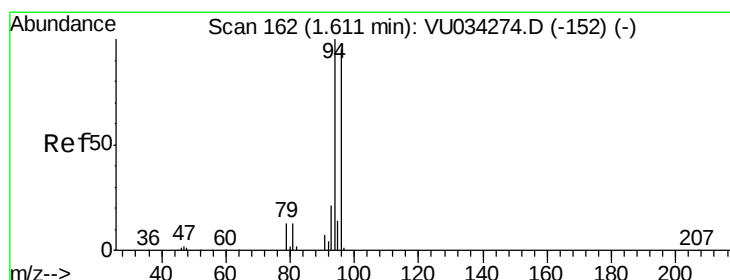
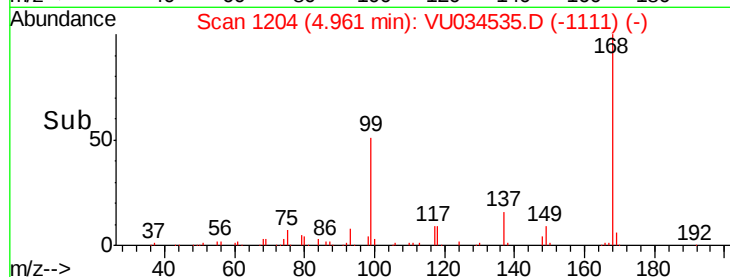
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU034535.D

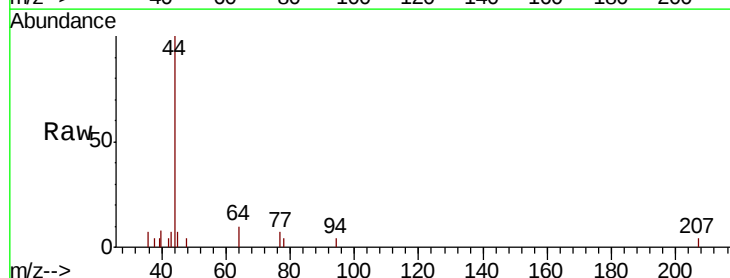
Acq: 12 Sep 2019 21:06

Tgt Ion: 94 Resp: 44

Ion Ratio Lower Upper

94 100

96 0.0 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) (-)

1.59

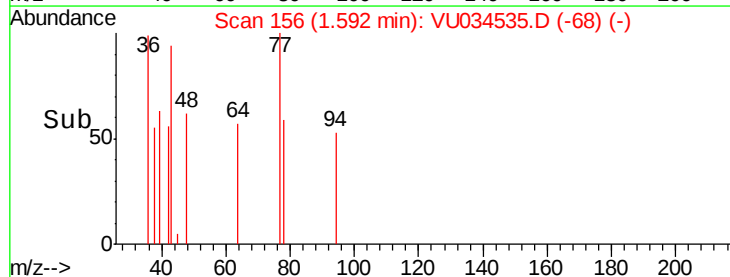
150

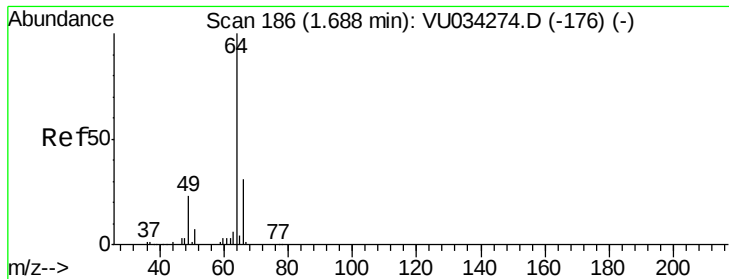
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

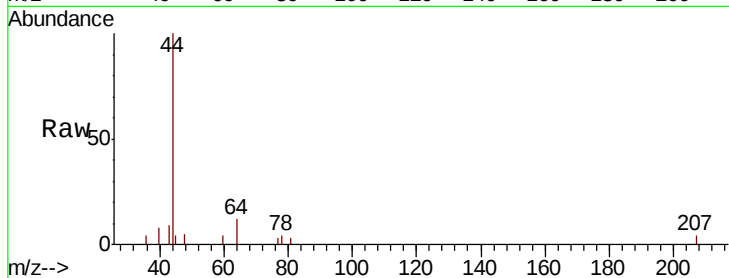
CPA-MW16-001-M27W1-090419

Tgt Ion: 64 Resp: 89

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.69

400

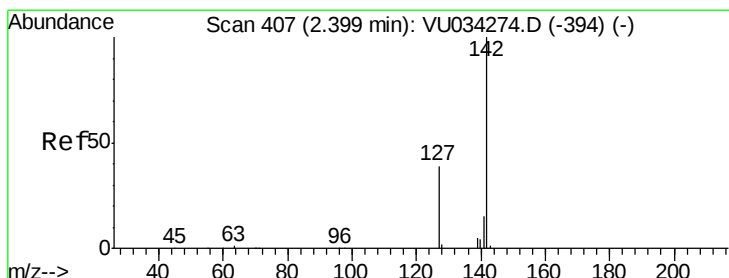
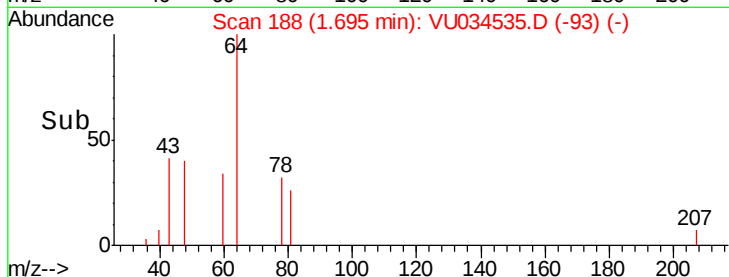
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 3.896 ug/l

RT: 2.41 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

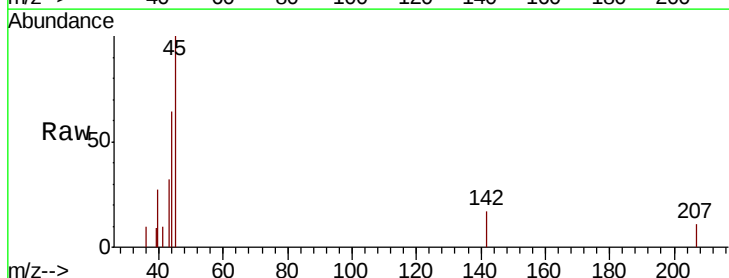
Tgt Ion: 142 Resp: 143

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): VU034274.D (-394) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-394) (-)

Ion 140.80 (140.50 to 141.50): VU034274.D (-394) (-)

2.41

200

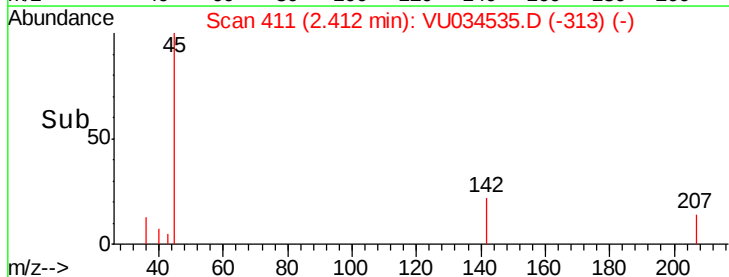
150

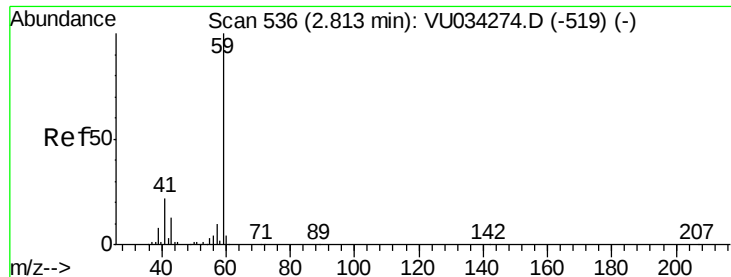
100

50

0

Time-->

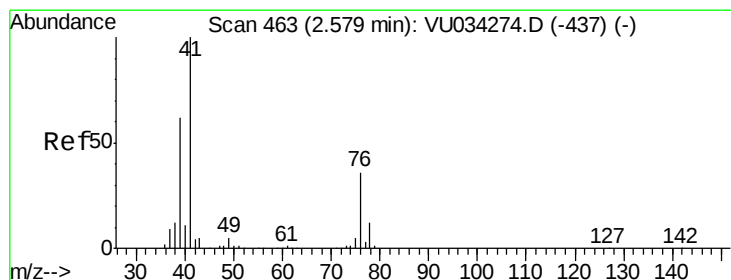
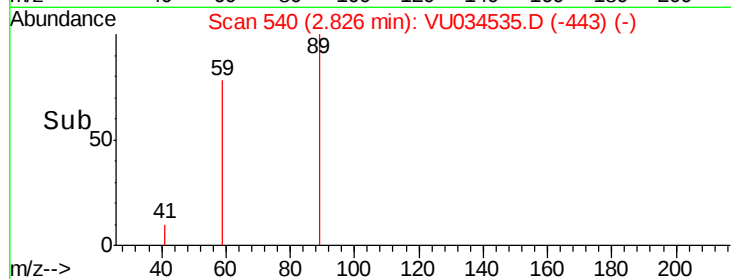
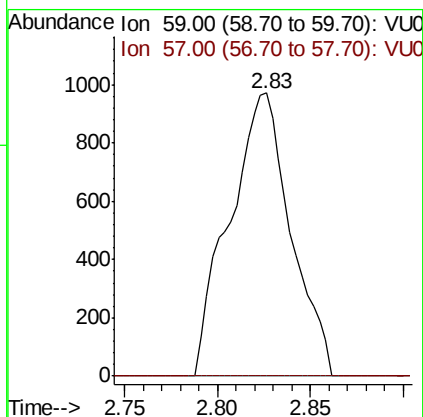
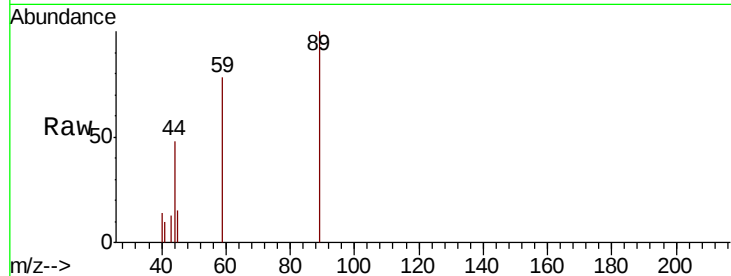




#11
Tert butyl alcohol
Concen: 2.775 ug/l
RT: 2.83 min Scan# 540
Delta R.T. 0.01 min
Lab File: VU034535.D
Acq: 12 Sep 2019 21:06

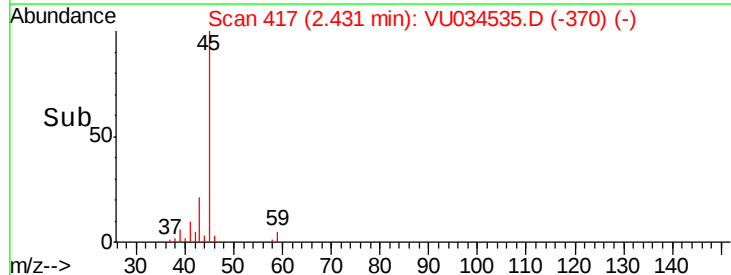
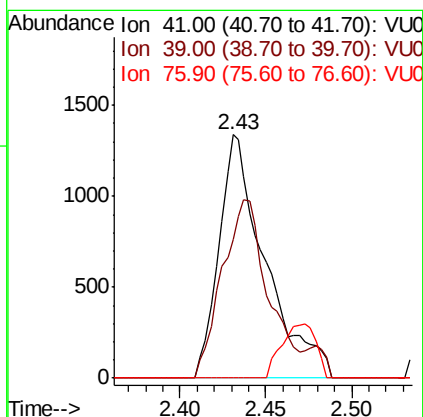
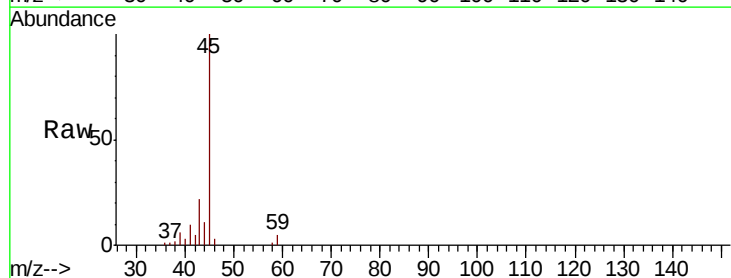
Instrument :
MSVOA_U
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CPA-MW16-001-M27W1-090419

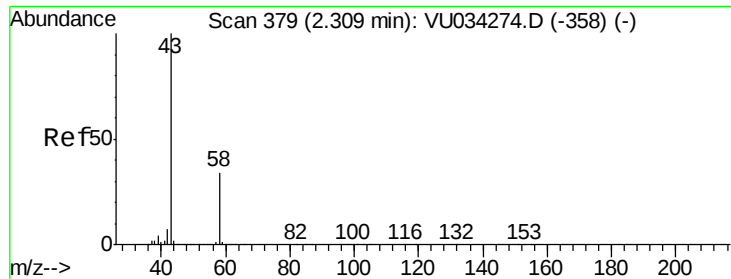
Tgt Ion: 59 Resp: 2233
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 0.479 ug/l
RT: 2.43 min Scan# 417
Delta R.T. -0.15 min
Lab File: VU034535.D
Acq: 12 Sep 2019 21:06

Tgt Ion: 41 Resp: 2510
Ion Ratio Lower Upper
41 100
39 72.6 43.5 65.3#
76 0.0 27.0 40.6#





#16

Acetone

Concen: 1.934 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

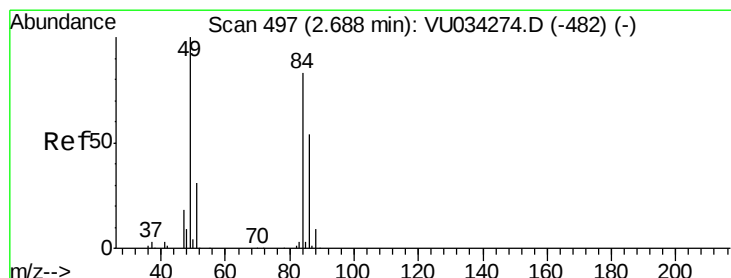
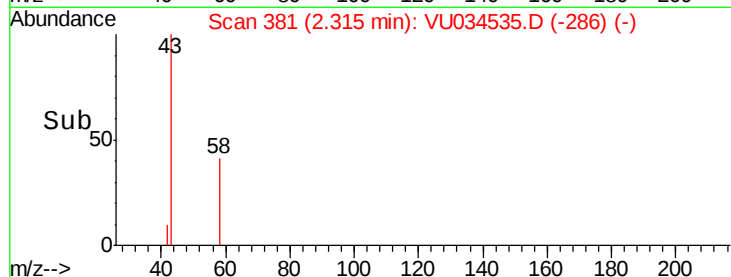
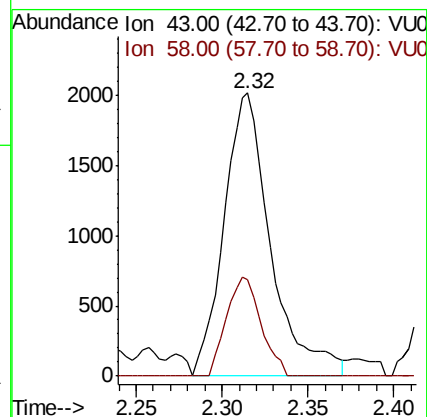
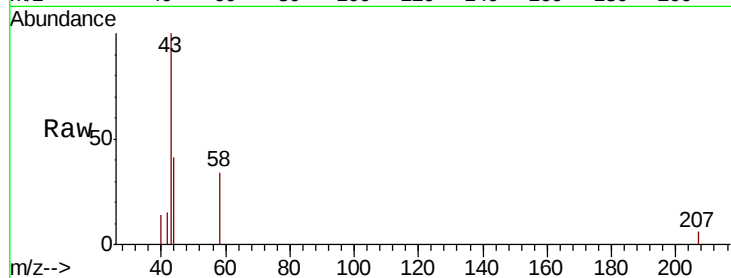
CPA-MW16-001-M27W1-090419

Tgt Ion: 43 Resp: 3812

Ion Ratio Lower Upper

43 100

58 34.0 27.6 41.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Tgt Ion: 84 Resp: 331

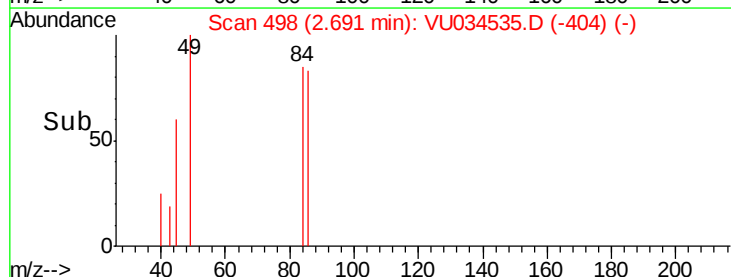
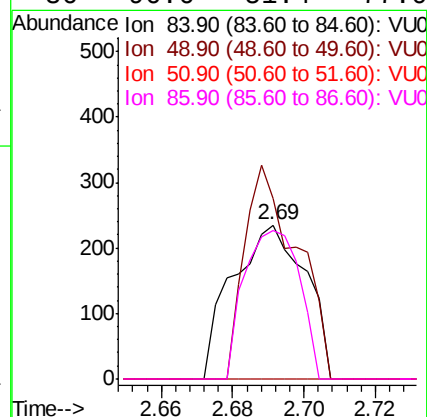
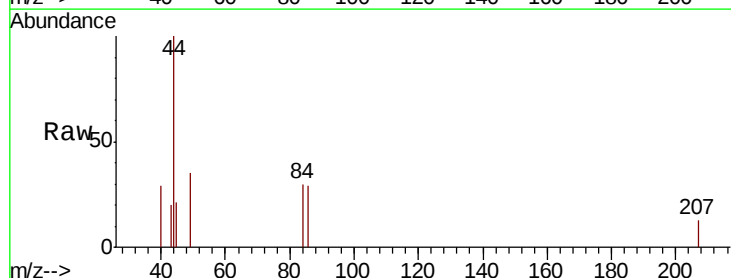
Ion Ratio Lower Upper

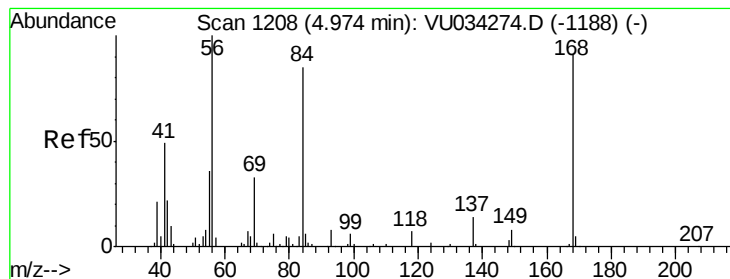
84 100

49 117.0 96.0 144.0

51 0.0 30.0 45.0#

86 96.6 51.4 77.0#





#31

Cyclohexane

Concen: 0.932 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

CPA-MW16-001-M27W1-090419

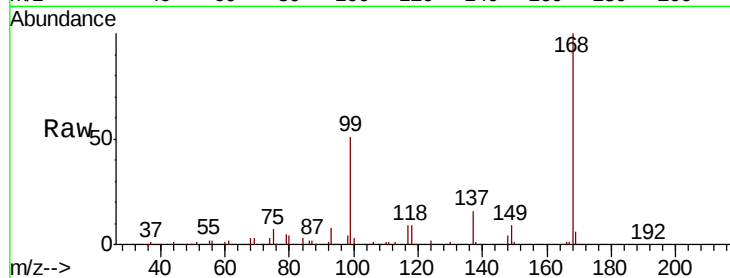
Tgt Ion: 56 Resp: 4156

Ion Ratio Lower Upper

56 100

69 195.6 26.7 40.1#

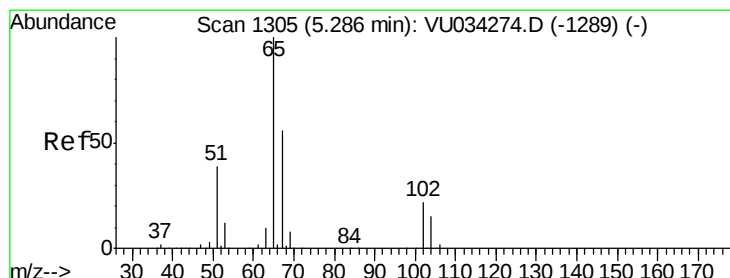
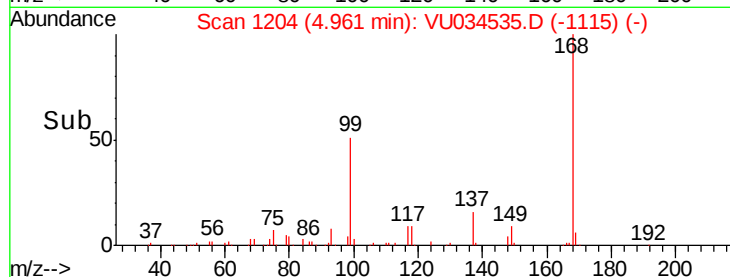
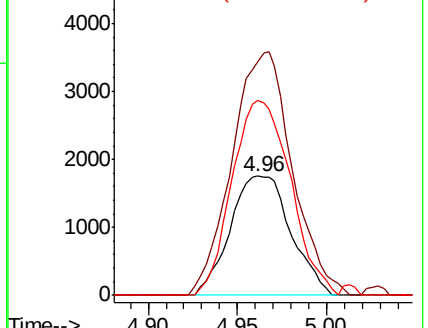
84 163.9 68.2 102.4#



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: 56.937 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034535.D

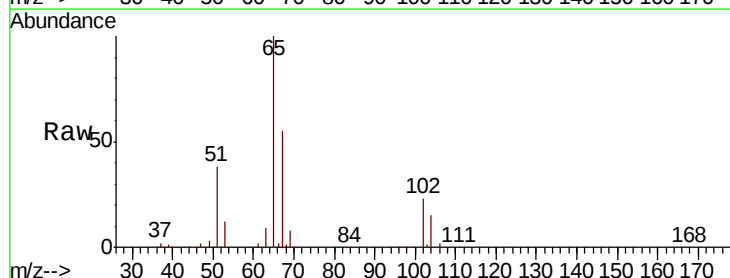
Acq: 12 Sep 2019 21:06

Tgt Ion: 65 Resp: 216834

Ion Ratio Lower Upper

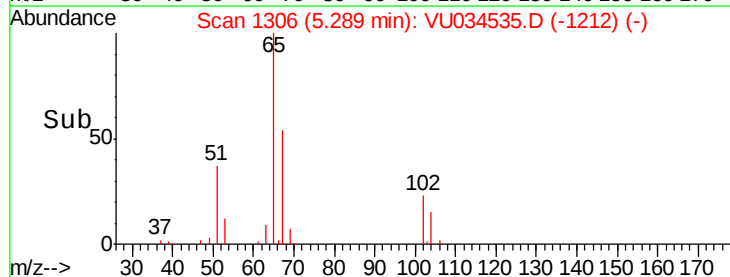
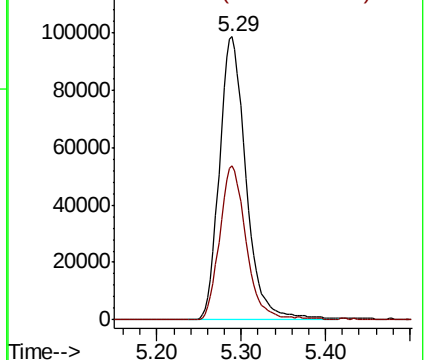
65 100

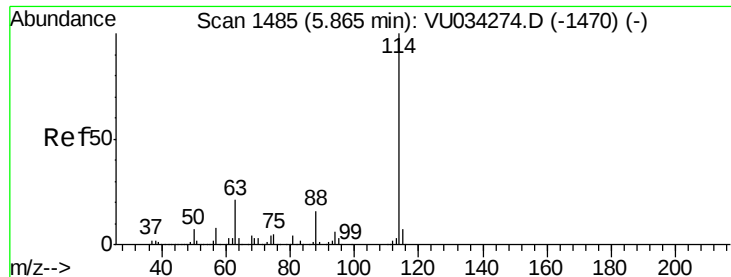
67 54.4 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

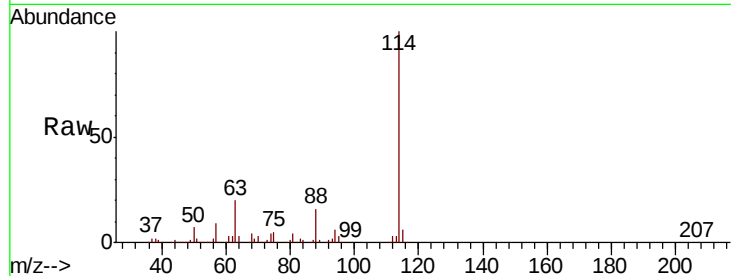




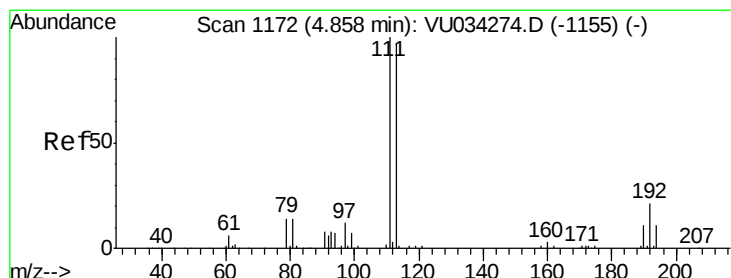
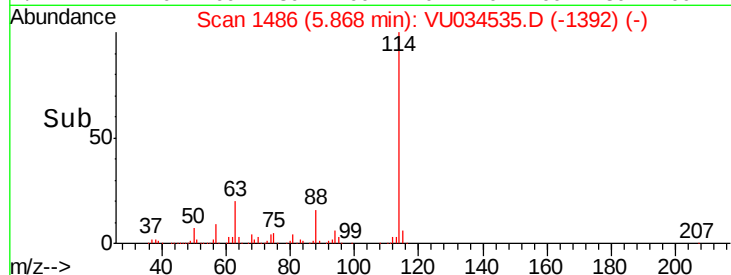
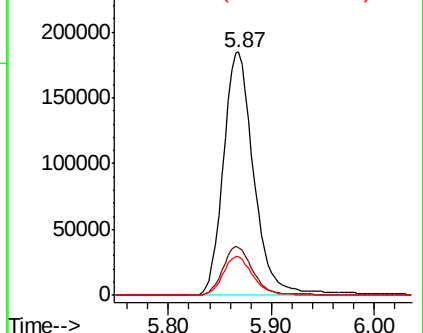
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034535.D
 Acq: 12 Sep 2019 21:06

Instrument :
 MSVOA_U
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 CPA-MW16-001-M27W1-090419

Tgt Ion:	114	Resp:	379496
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.4
88	16.1	0.0	32.4

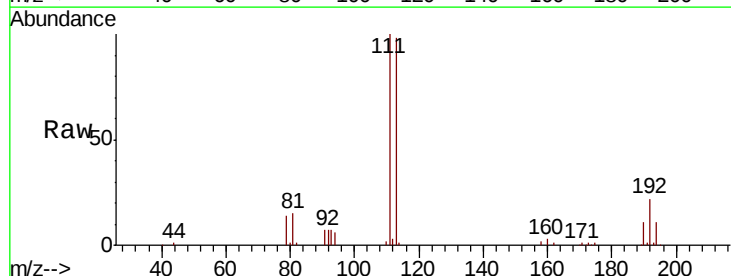


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

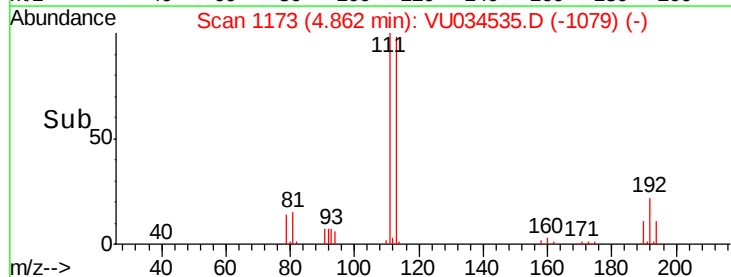
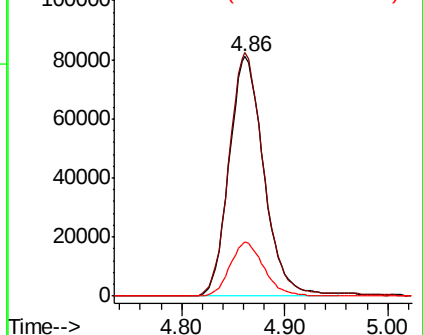


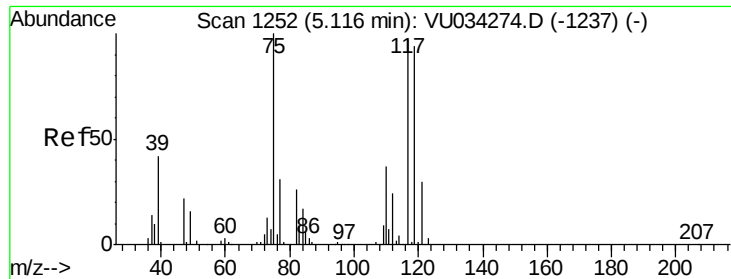
#35
 Dibromofluoromethane
 Concen: 53.936 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034535.D
 Acq: 12 Sep 2019 21:06

Tgt Ion:	113	Resp:	190459
Ion	Ratio	Lower	Upper
113	100		
111	101.1	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

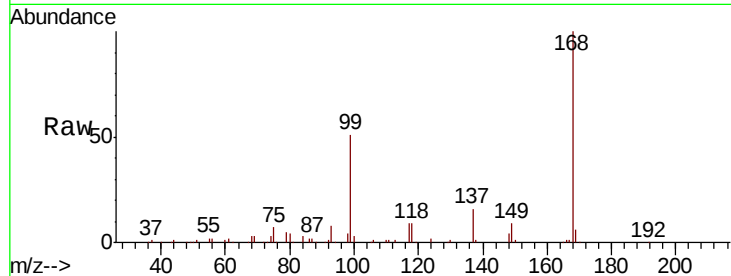




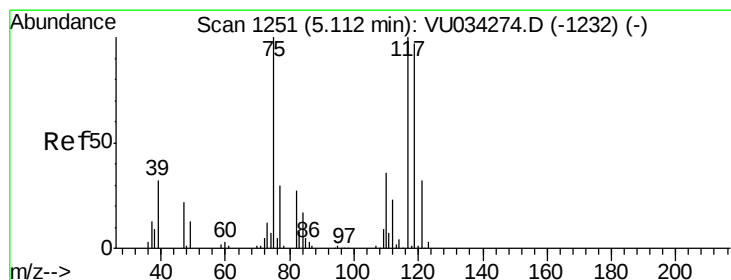
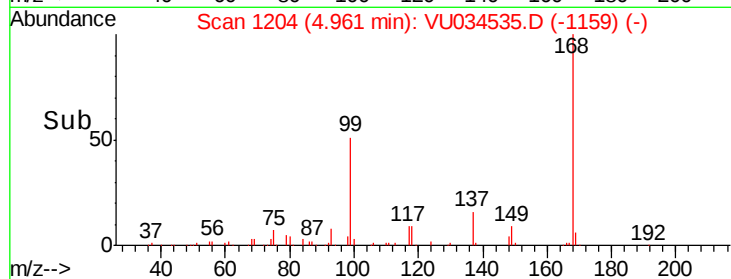
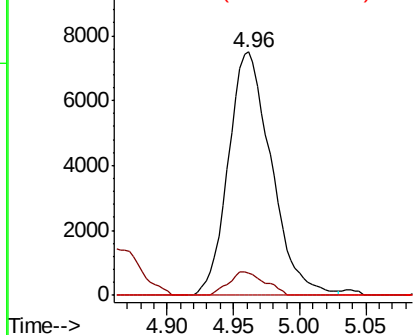
#36
 1,1-Dichloropropene
 Concen: 4.107 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034535.D
 Acq: 12 Sep 2019 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-MW16-001-M27W1-090419

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.9#
77	0.0	24.9	37.3#

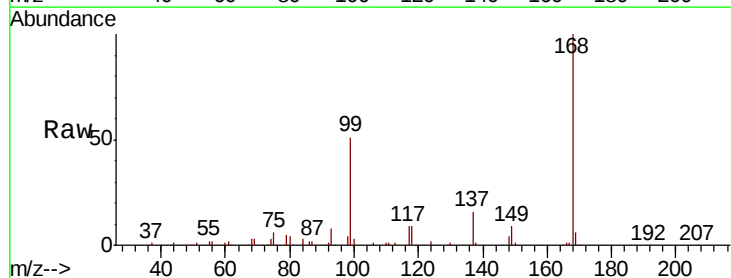


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

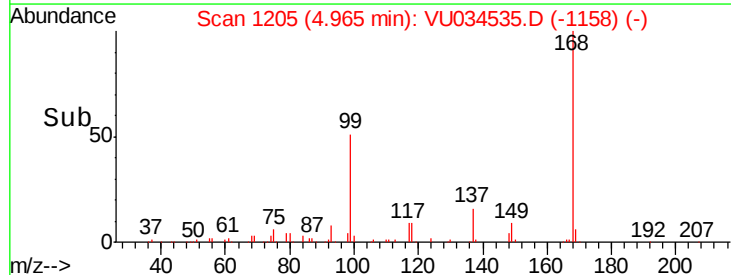
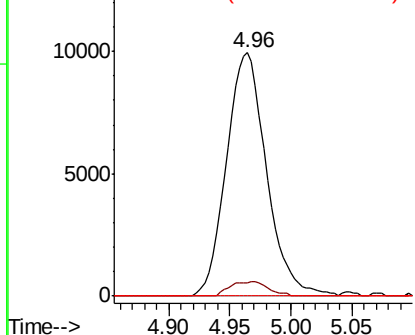


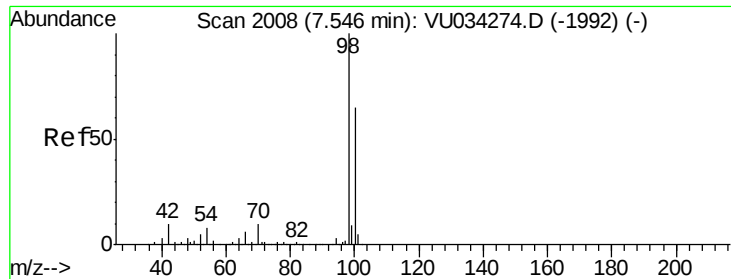
#38
 Carbon Tetrachloride
 Concen: 5.174 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034535.D
 Acq: 12 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.8	116.6#
121	0.0	25.2	37.8#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

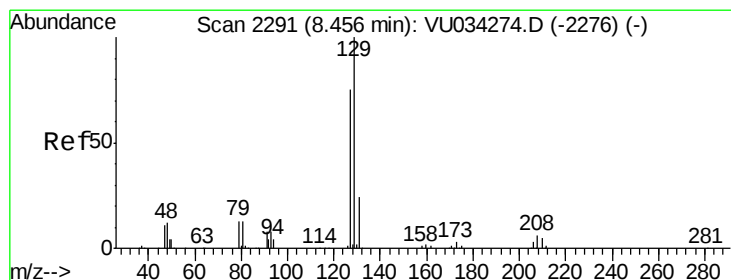
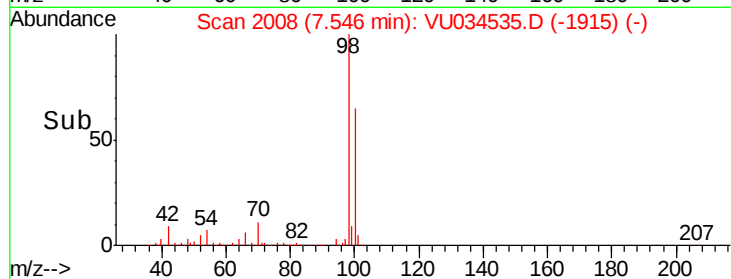
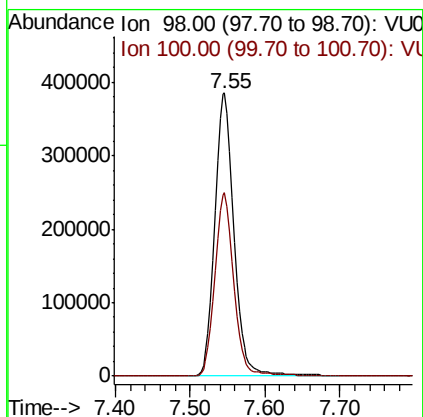
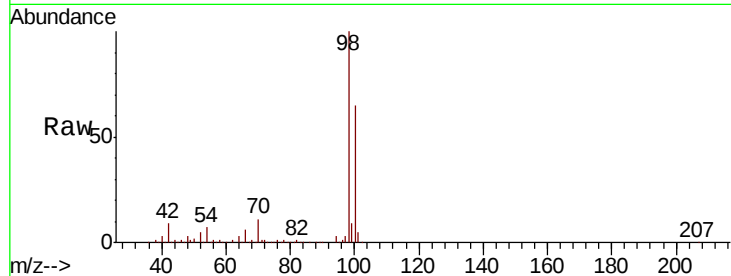




#50
Toluene-d8
Concen: 52.158 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034535.D
Acq: 12 Sep 2019 21:06

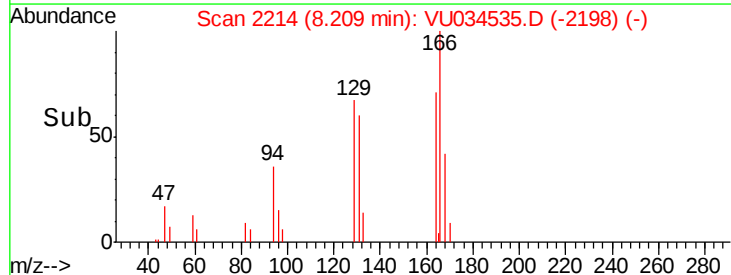
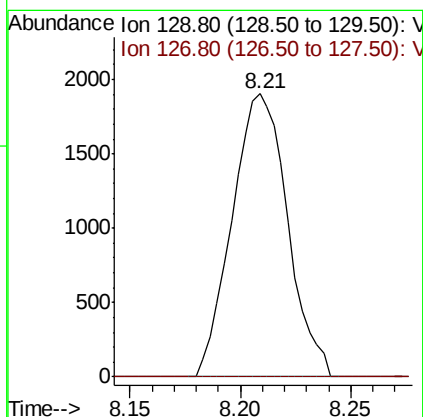
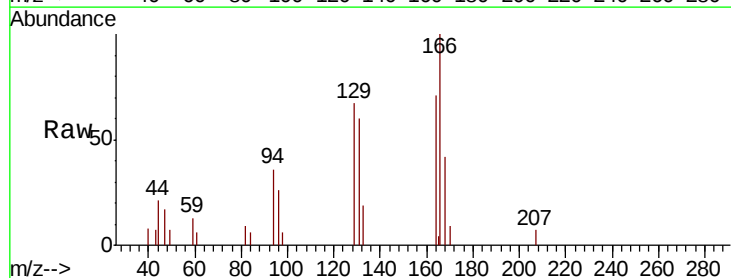
Instrument :
MSVOA_U
ClientSampleId :
CPA-MW16-001-M27W1-090419

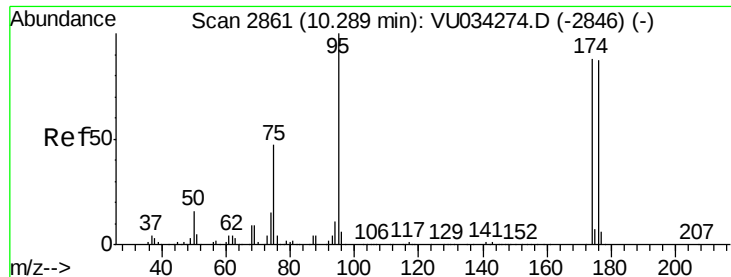
Tgt Ion: 98 Resp: 691972
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#60
Dibromochloromethane
Concen: 0.819 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU034535.D
Acq: 12 Sep 2019 21:06

Tgt Ion: 129 Resp: 3324
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.7#





#62

4-Bromofluorobenzene

Concen: 44.957 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

CPA-MW16-001-M27W1-090419

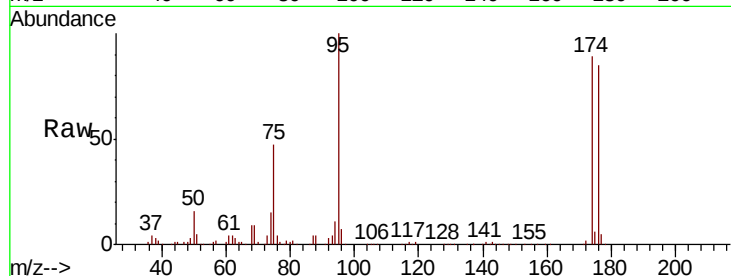
Tgt Ion: 95 Resp: 230282

Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.2

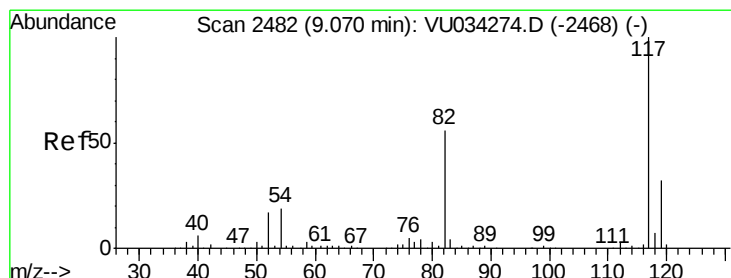
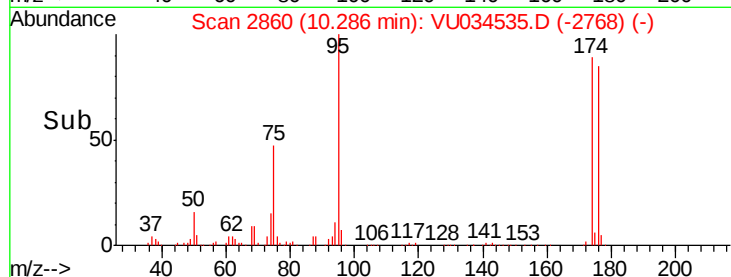
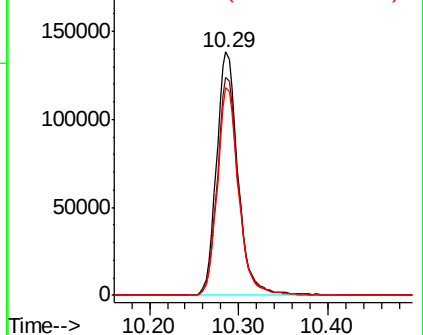
176 84.4 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2481

Delta R.T. -0.00 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

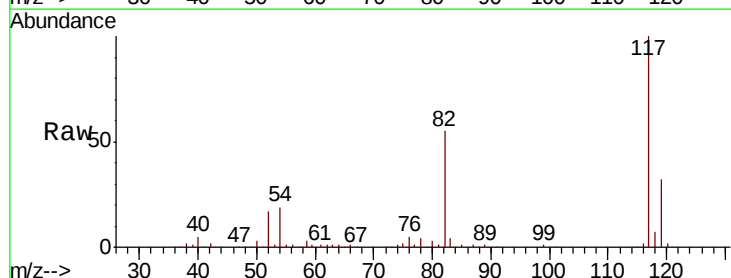
Tgt Ion: 117 Resp: 387611

Ion Ratio Lower Upper

117 100

82 54.7 44.6 67.0

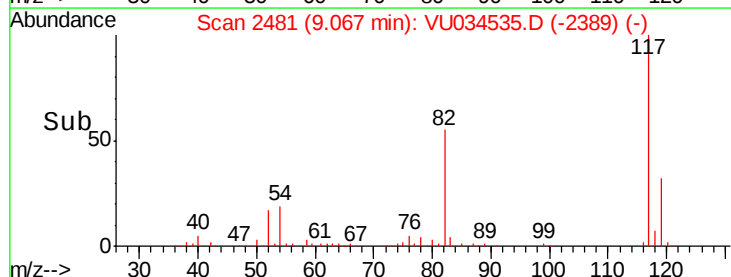
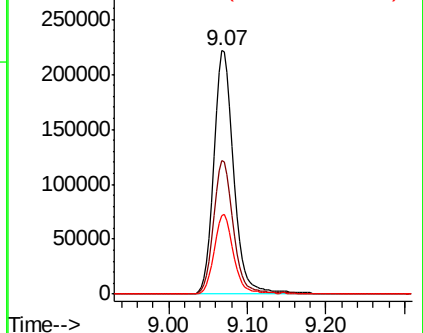
119 32.3 25.9 38.9

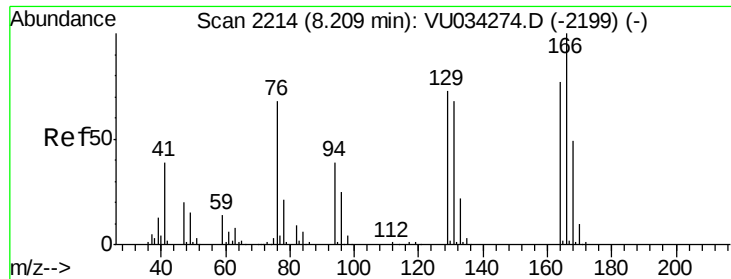


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.070 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

CPA-MW16-001-M27W1-090419

Tgt Ion:164 Resp: 3598

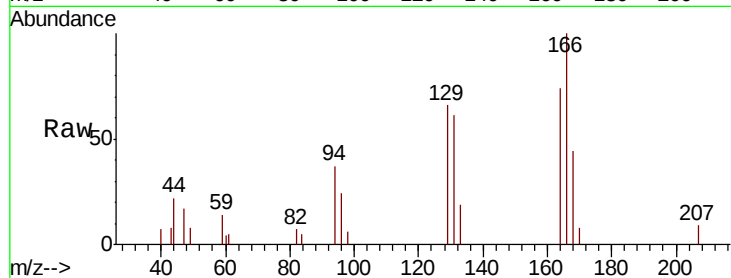
Ion Ratio Lower Upper

164 100

166 135.1 103.7 155.5

129 88.9 75.8 113.8

131 82.4 70.7 106.1

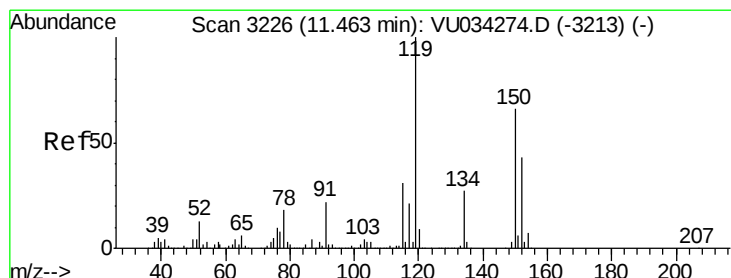
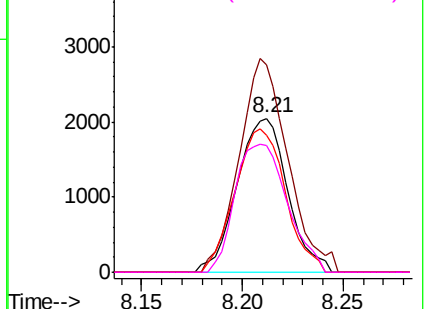
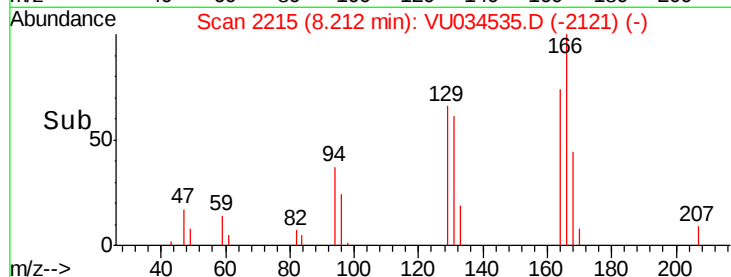


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

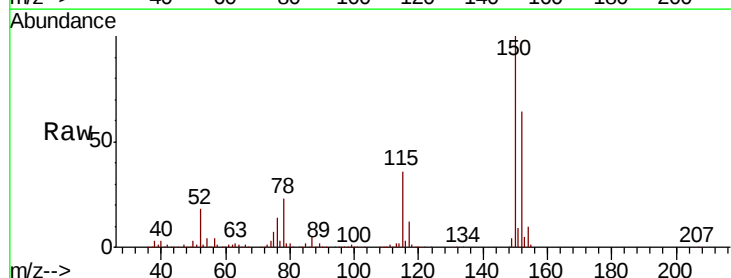
Tgt Ion:152 Resp: 218640

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.3

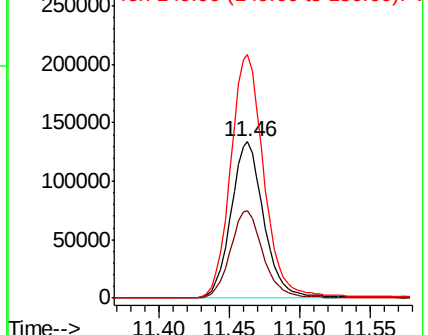
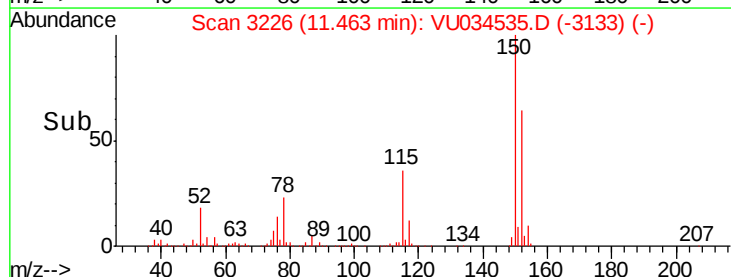
150 158.2 0.0 345.4

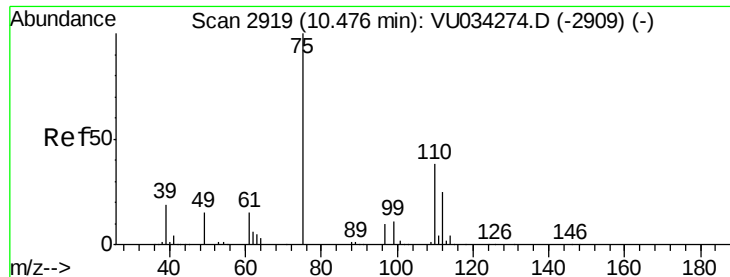


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.299 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

Instrument :

MSVOA_U

ClientSampleId :

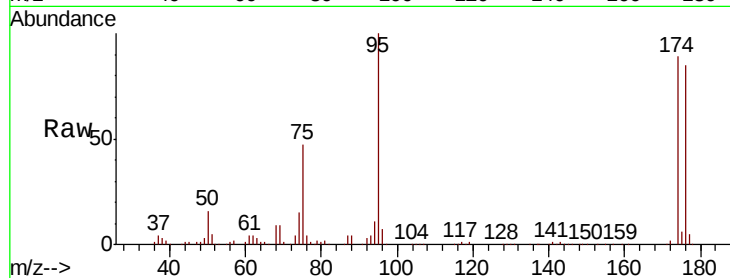
CPA-MW16-001-M27W1-090419

Tgt Ion: 75 Resp: 106422

Ion Ratio Lower Upper

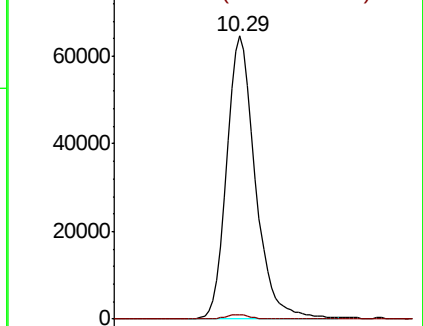
75 100

77 1.3 20.8 62.2#

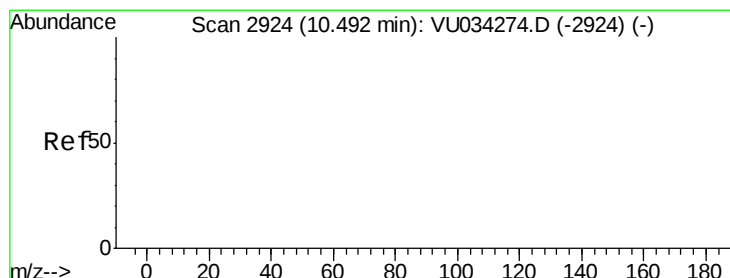
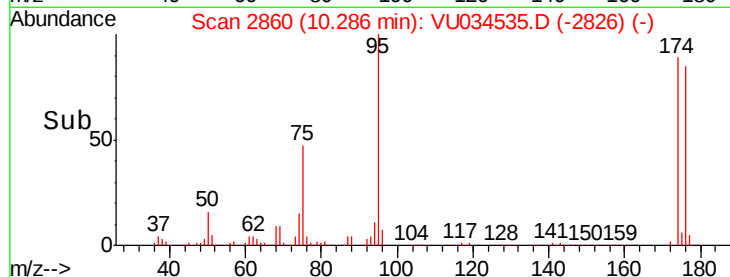


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 74.990 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034535.D

Acq: 12 Sep 2019 21:06

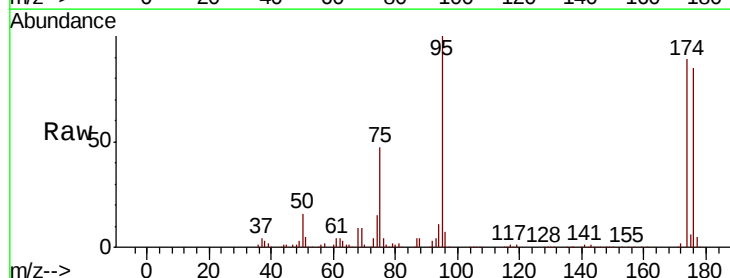
Tgt Ion: 75 Resp: 106422

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

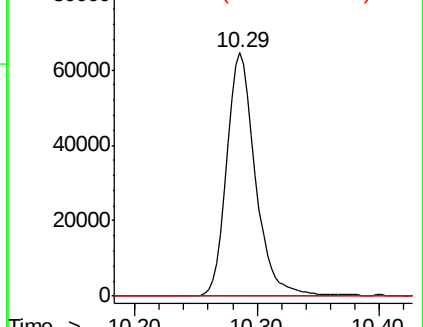
89 0.0 0.0 0.0



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



Time-->

