

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029125.D
 Acq On : 10 Jan 2019 18:18
 Operator : MD/SY
 Sample : K1123-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPGP-01

Quant Time: Jan 11 02:48:44 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	128516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	226018	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	206121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86712	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	85761	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	4.88	113	73701	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	7.56	98	282775	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	10.30	95	91950	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

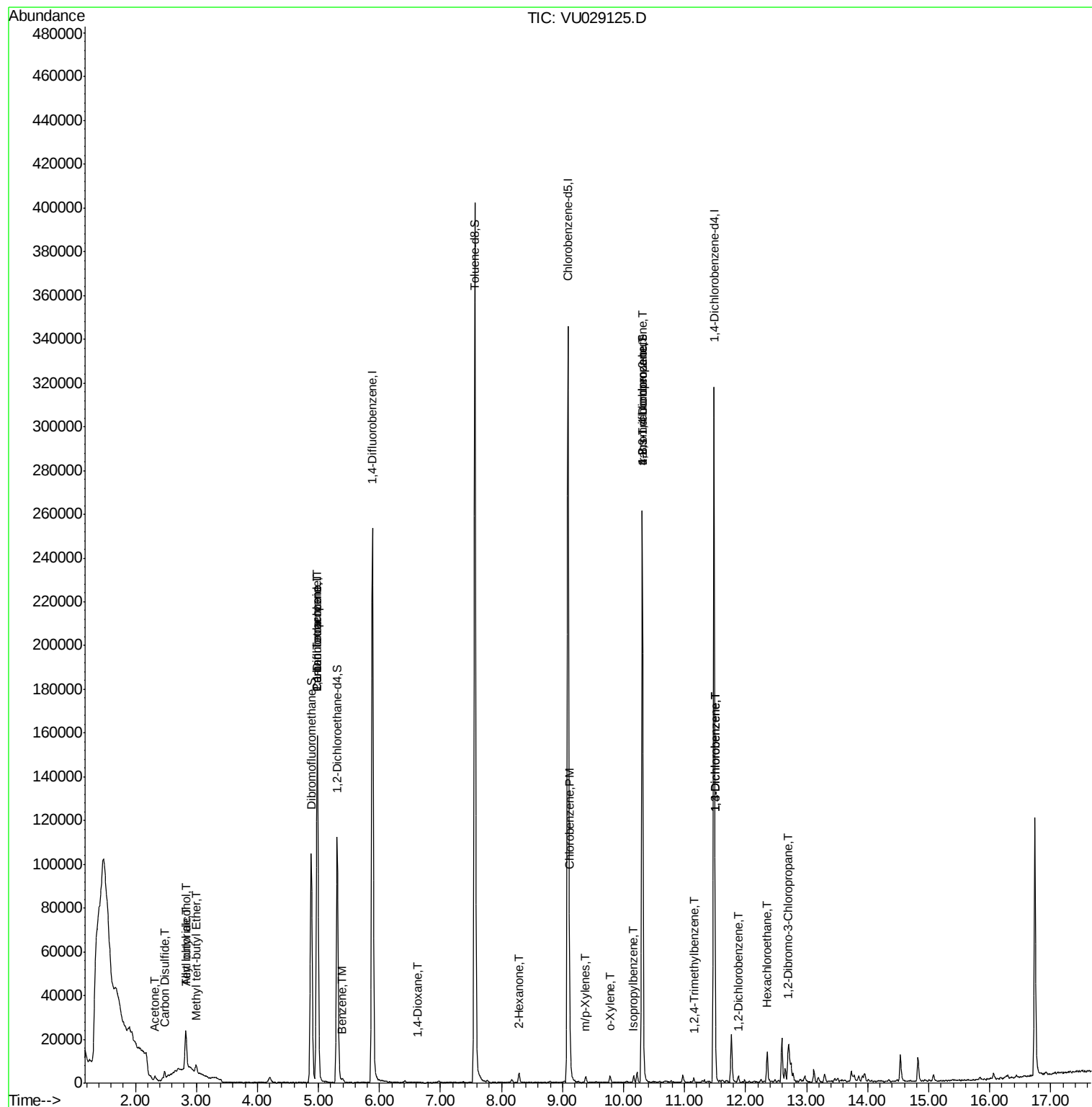
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1211	Below Cal	#	79
11) Tert butyl alcohol	2.83	59	20380	50.467	ug/l	98
14) Allyl chloride	2.83	41	4017	1.643	ug/l #	60
16) Acetone	2.32	43	2148	2.146	ug/l	95
17) Carbon Disulfide	2.48	76	6425	0.908	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	3809	0.813	ug/l	97
31) Cyclohexane	4.98	56	2679	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9654	4.273	ug/l #	44
38) Carbon Tetrachloride	4.98	117	11355	6.026	ug/l #	17
40) Benzene	5.39	78	1838	0.261	ug/l	99
49) 1,4-Dioxane	6.63	88	127	2.893	ug/l #	50
59) 2-Hexanone	8.28	43	863	0.425	ug/l #	21
65) Chlorobenzene	9.12	112	12559	2.718	ug/l	98
68) m/p-Xylenes	9.38	106	1066	0.356	ug/l	85
69) o-Xylene	9.78	106	960	0.332	ug/l	70
73) Isopropylbenzene	10.17	105	2445	0.381	ug/l	100
76) 1,2,3-Trichloropropane	10.30	75	43283	20.372	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	43283	52.542	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1164	0.218	ug/l	90
87) 1,3-Dichlorobenzene	11.51	146	785	0.256	ug/l #	64
88) 1,4-Dichlorobenzene	11.51	146	785	0.248	ug/l #	65
90) Hexachloroethane	12.35	117	7923	8.651	ug/l #	7
91) 1,2-Dichlorobenzene	11.88	146	758	0.245	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.71	75	381	0.770	ug/l #	1

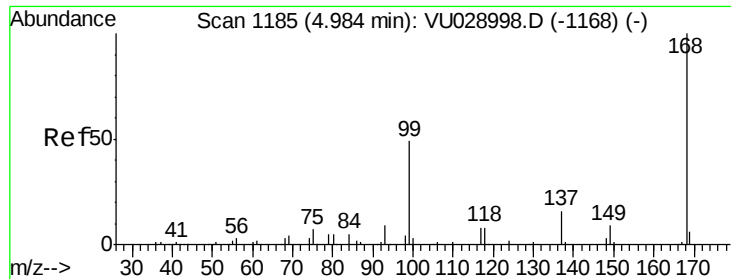
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

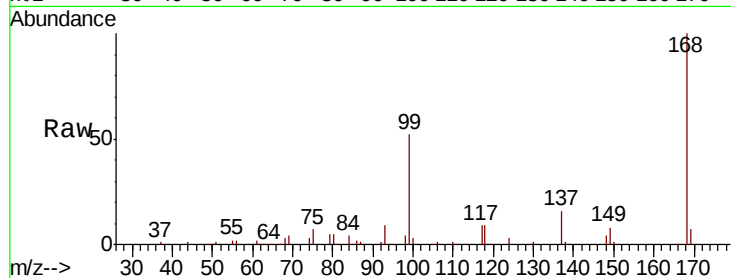
CPGP-01

Tgt Ion: 168 Resp: 128516

Ion Ratio Lower Upper

168 100

99 52.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

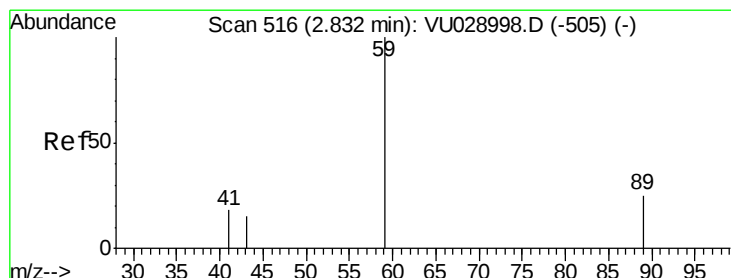
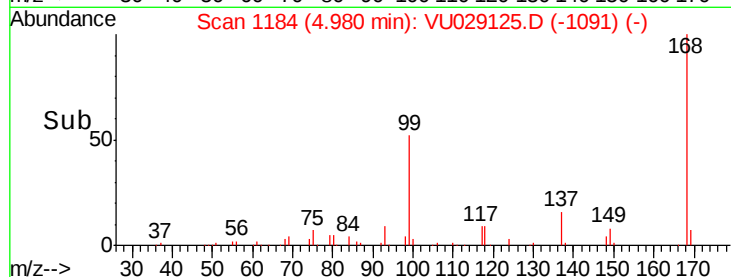
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 50.467 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU029125.D

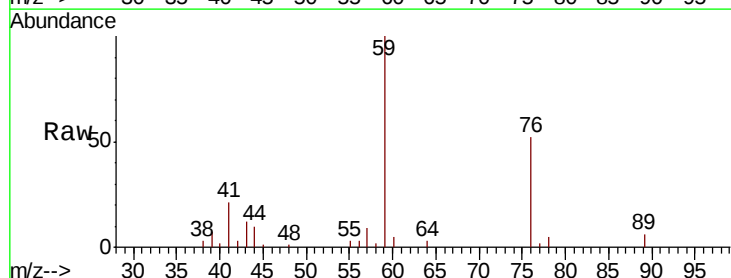
Acq: 10 Jan 2019 18:18

Tgt Ion: 59 Resp: 20380

Ion Ratio Lower Upper

59 100

57 9.0 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU028998.D (-505) (-)

Ion 57.00 (56.70 to 57.70): VU028998.D (-505) (-)

2.83

10000

8000

6000

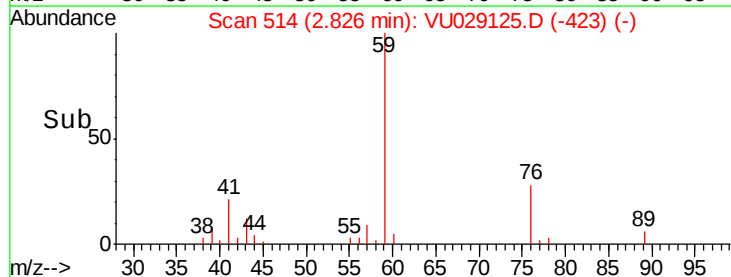
4000

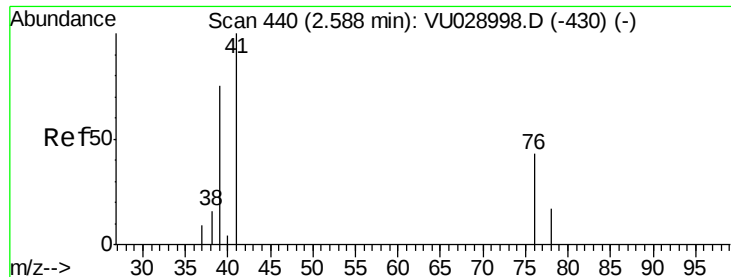
2000

0

2.75 2.80 2.85 2.90

Time-->





#14

Allyl chloride

Concen: 1.643 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.24 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

Instrument :

MSVOA_U

ClientSampled :

CPGP-01

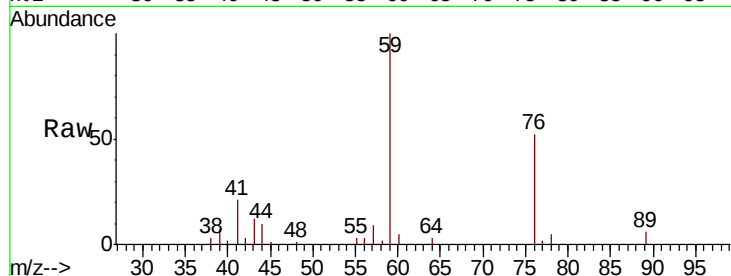
Tgt Ion: 41 Resp: 4017

Ion Ratio Lower Upper

41 100

39 36.6 45.0 67.6#

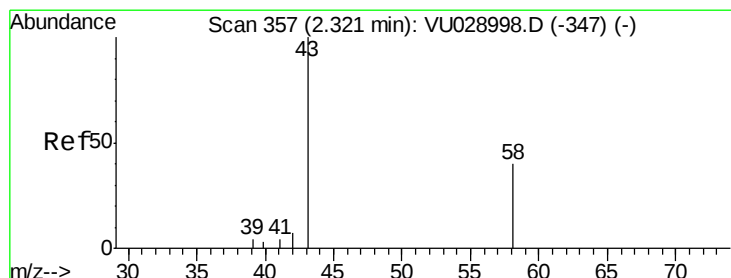
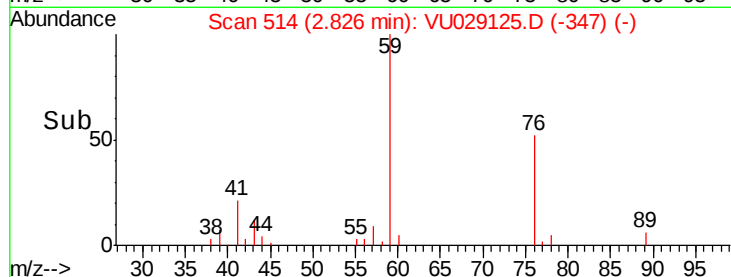
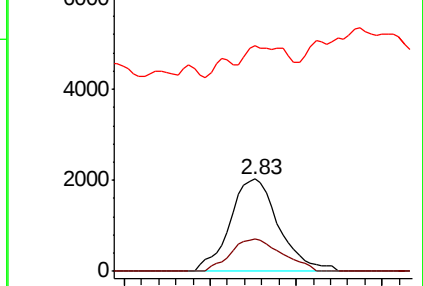
76 0.0 28.1 42.1#



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



#16

Acetone

Concen: 2.146 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029125.D

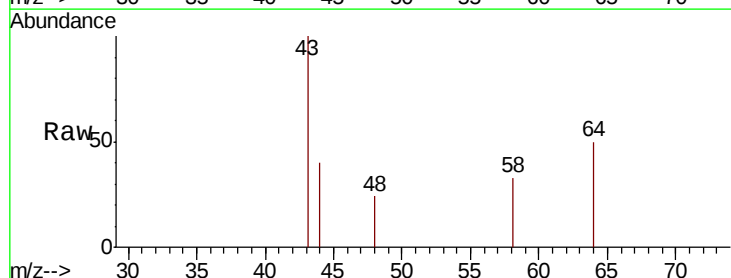
Acq: 10 Jan 2019 18:18

Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

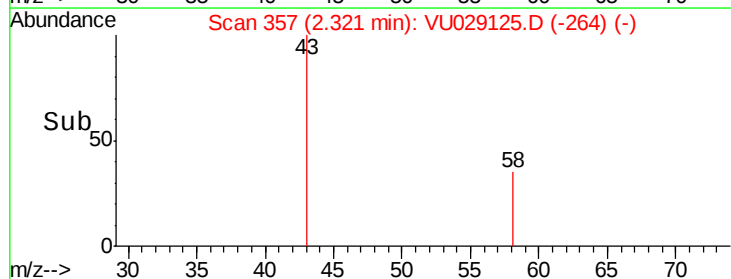
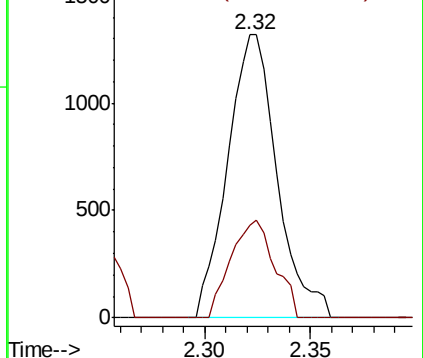
43 100

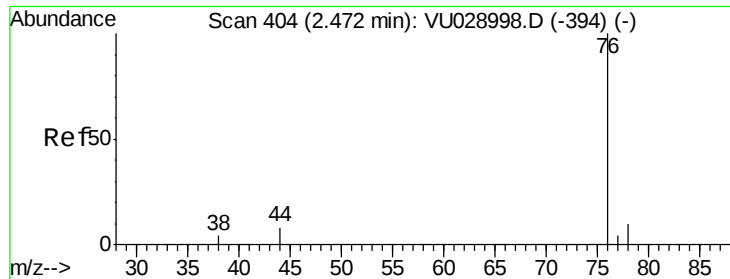
58 32.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

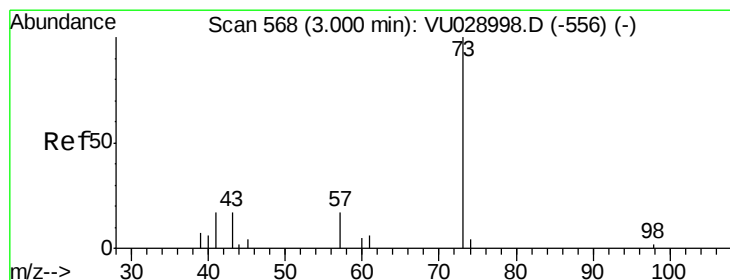
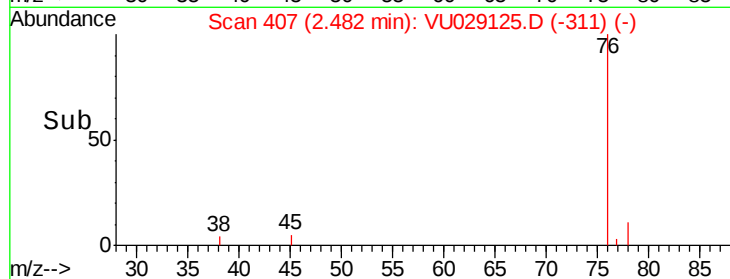
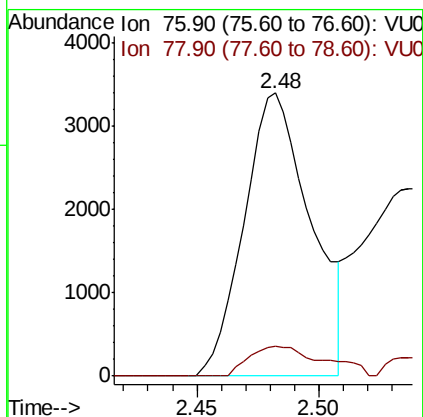
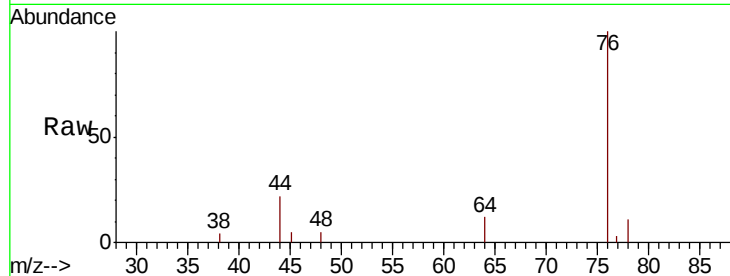




#17
Carbon Disulfide
Concen: 0.908 ug/l
RT: 2.48 min Scan# 407
Delta R.T. 0.01 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

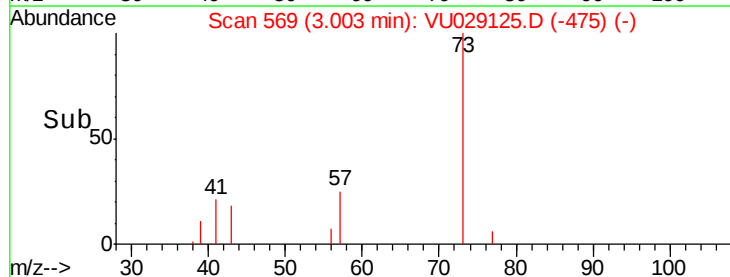
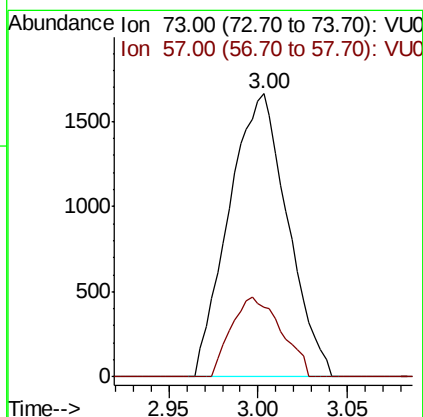
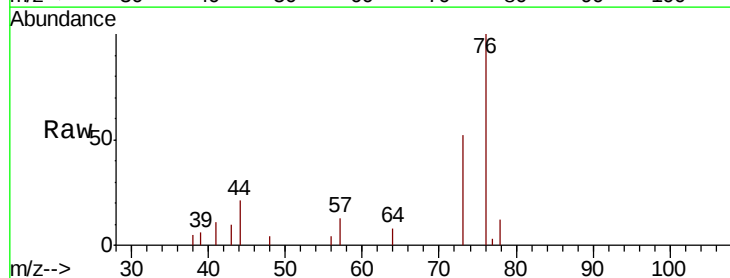
Instrument :
MSVOA_U
ClientSampleId :
CPGP-01

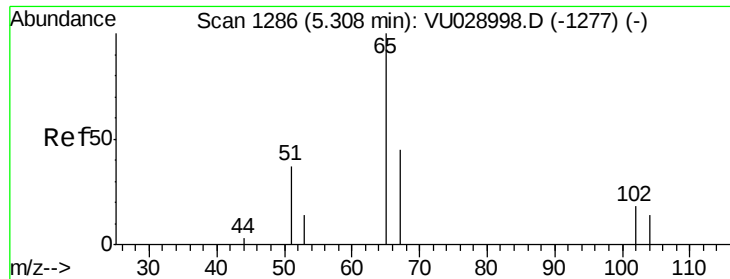
Tgt Ion: 76 Resp: 6425
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8



#19
Methyl tert-butyl Ether
Concen: 0.813 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Tgt Ion: 73 Resp: 3809
Ion Ratio Lower Upper
73 100
57 24.8 18.6 28.0

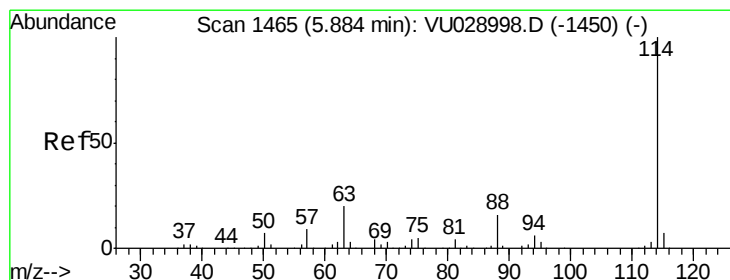
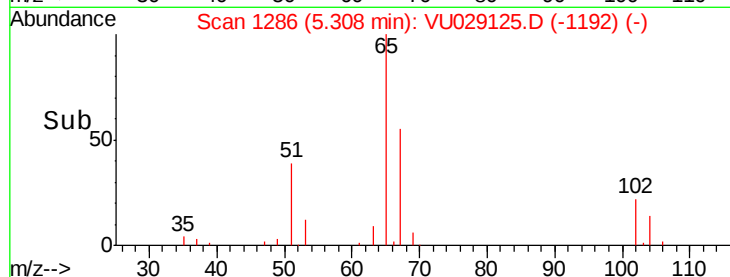
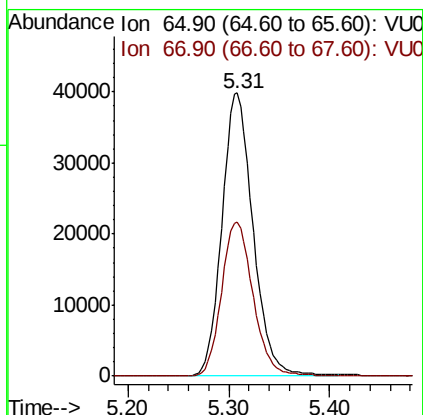
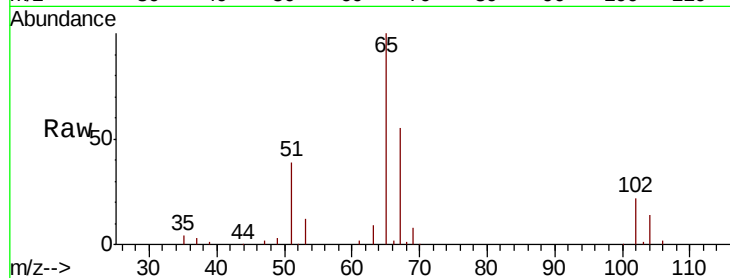




#33
 1,2-Dichloroethane-d4
 Concen: 53.982 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029125.D
 Acq: 10 Jan 2019 18:18

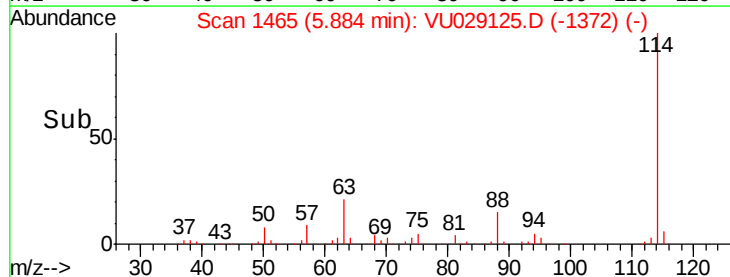
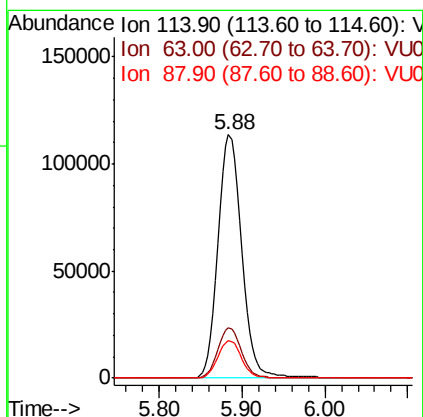
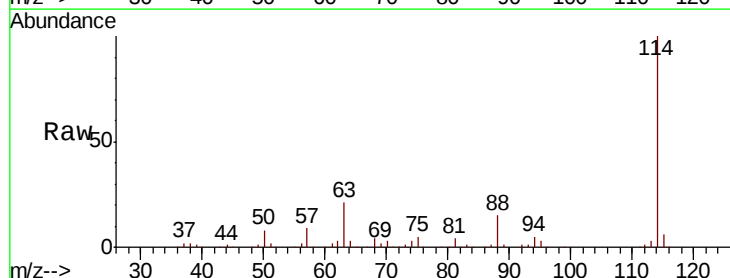
Instrument :
 MSVOA_U
 ClientSampleId :
 CPGP-01

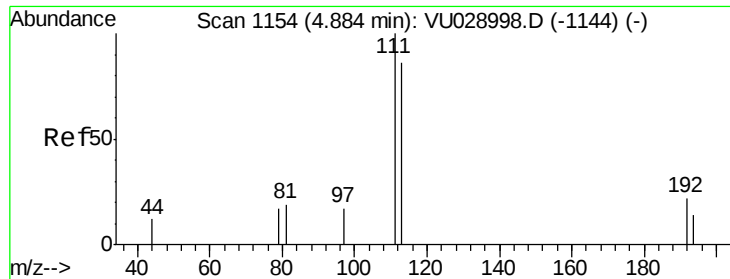
Tgt Ion: 65 Resp: 85761
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029125.D
 Acq: 10 Jan 2019 18:18

Tgt Ion: 114 Resp: 226018
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.2
 88 15.2 0.0 30.4

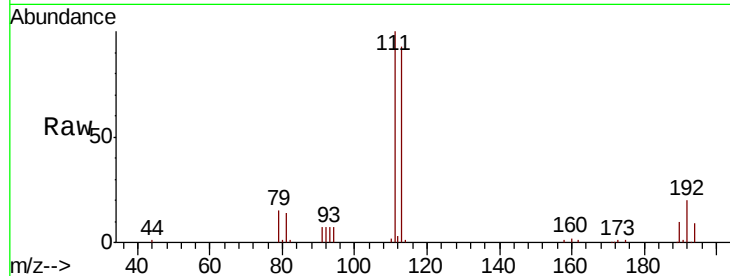




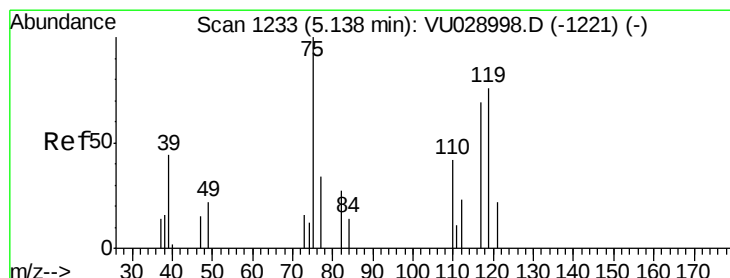
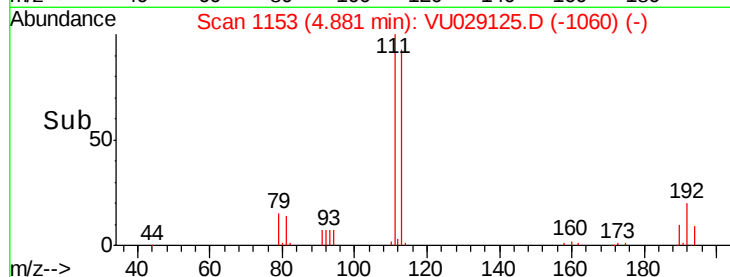
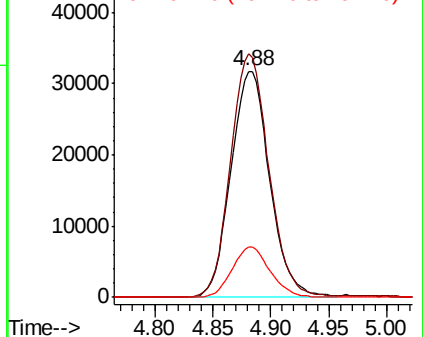
#35
 Dibromofluoromethane
 Concen: 50.304 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029125.D
 Acq: 10 Jan 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 CPGP-01

Tgt Ion: 113 Resp: 73701
 Ion Ratio Lower Upper
 113 100
 111 105.8 81.4 122.2
 192 21.6 16.8 25.2

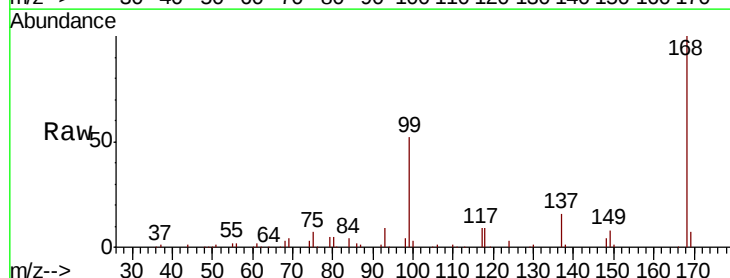


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

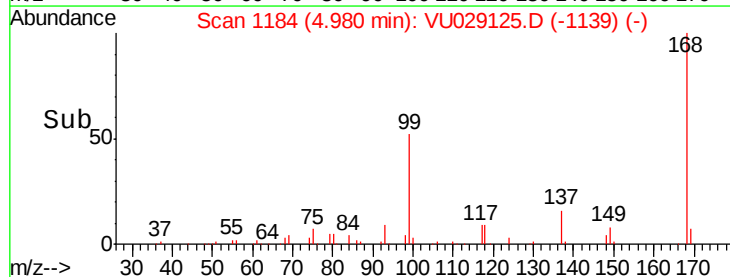
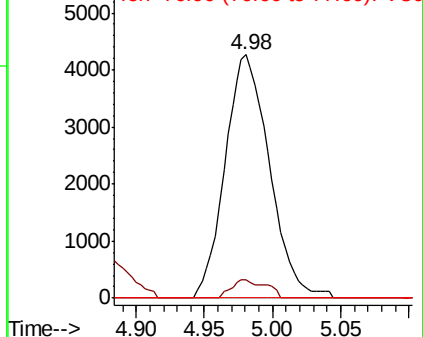


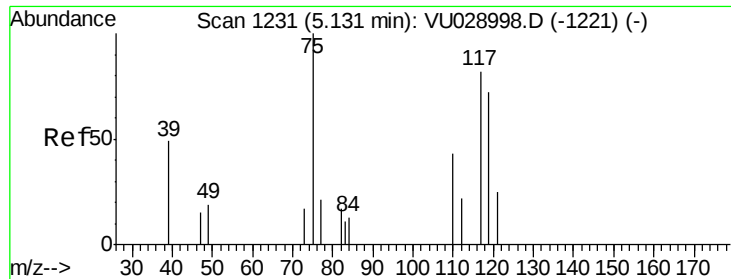
#36
 1,1-Dichloropropene
 Concen: 4.273 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029125.D
 Acq: 10 Jan 2019 18:18

Tgt Ion: 75 Resp: 9654
 Ion Ratio Lower Upper
 75 100
 110 4.2 18.4 55.4#
 77 0.0 25.1 37.7#



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

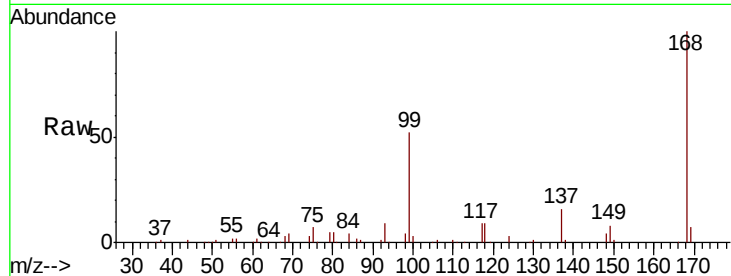




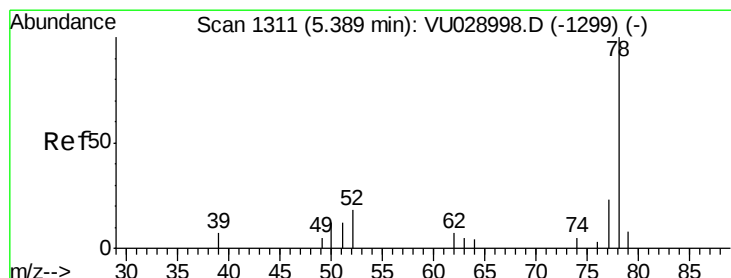
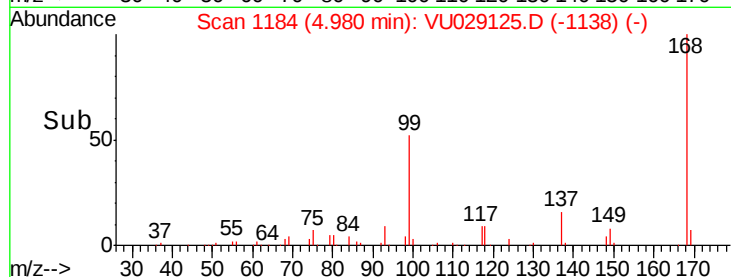
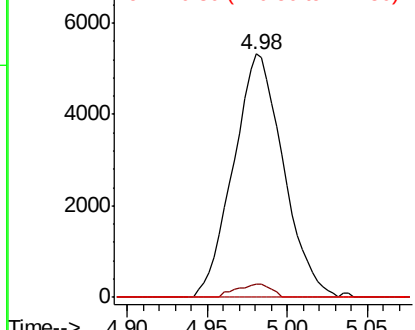
#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Instrument :
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ClientSampleId :
CPGP-01

Tgt Ion:117 Resp: 11355
Ion Ratio Lower Upper
117 100
119 5.4 74.6 111.8#
121 0.0 25.0 37.6#

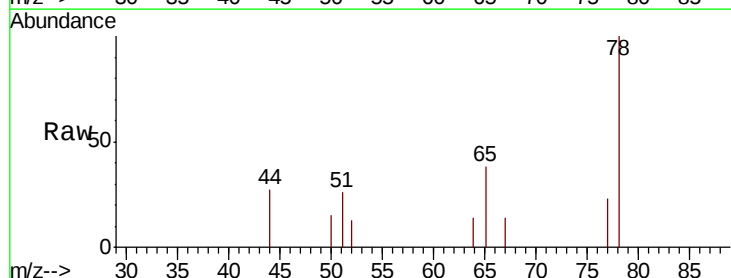


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

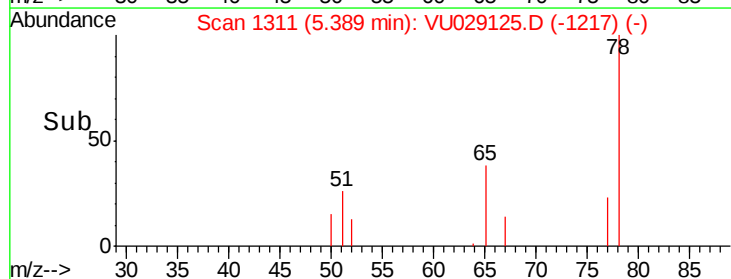
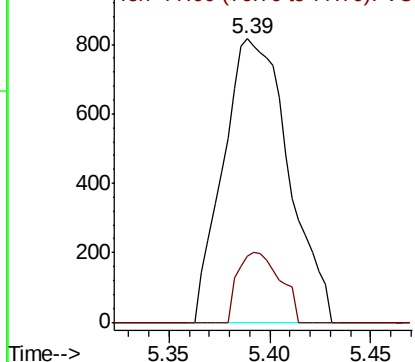


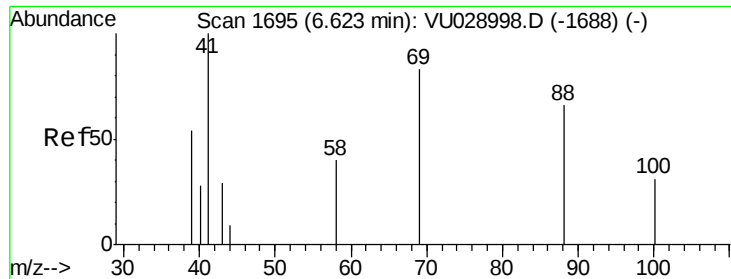
#40
Benzene
Concen: 0.261 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Tgt Ion: 78 Resp: 1838
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

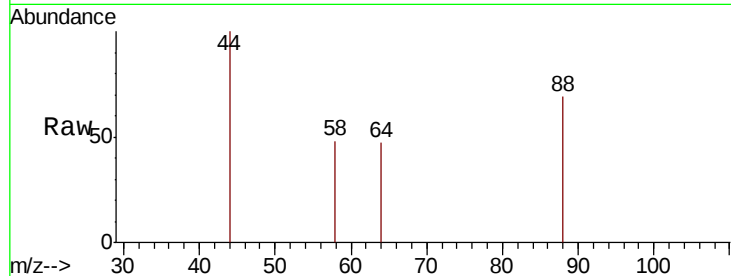




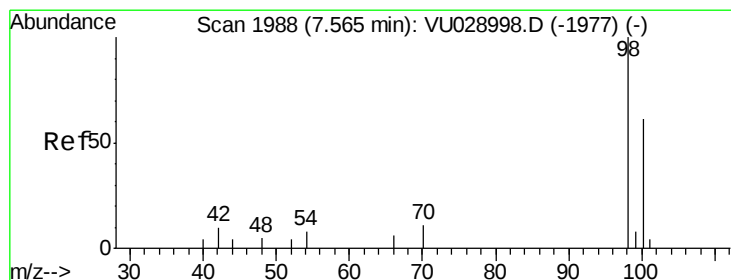
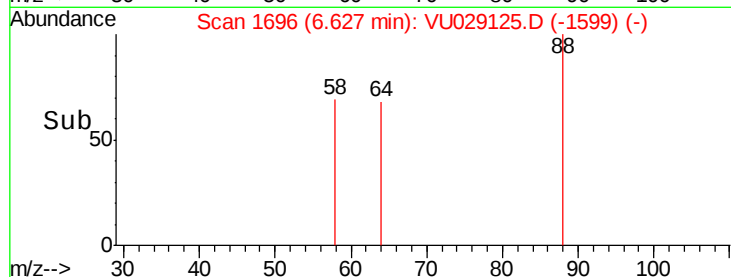
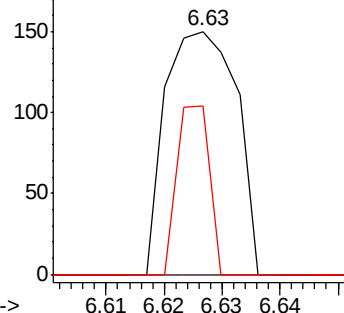
#49
1,4-Dioxane
Concen: 2.893 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VU029125.D
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ClientSampleId :
CPGP-01

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 0.0 23.0 34.4#
58 31.5 57.9 86.9#

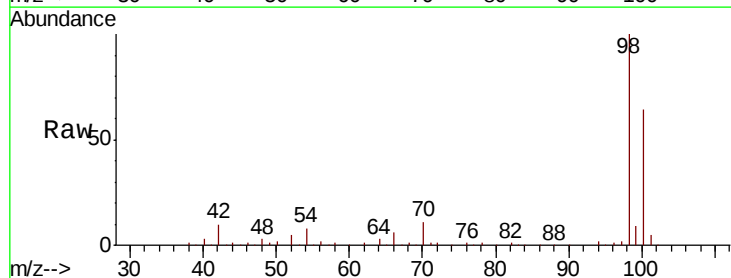


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

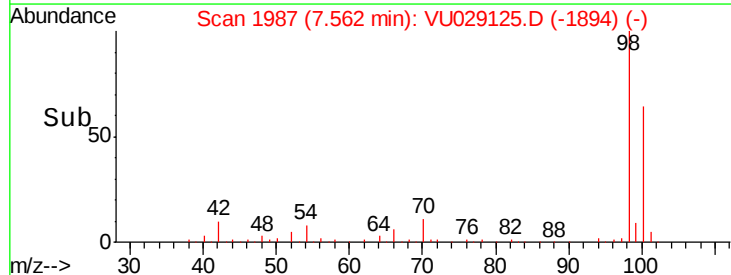
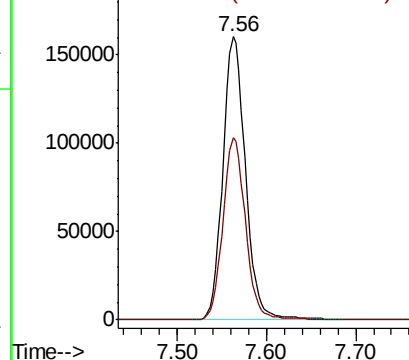


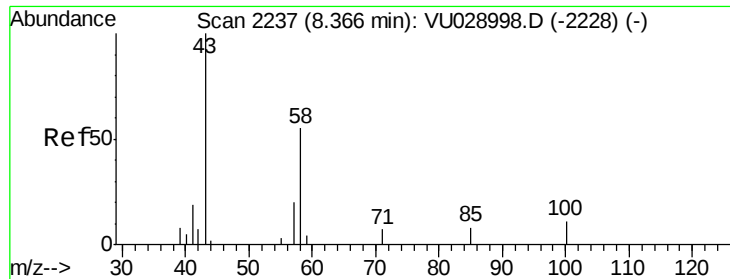
#50
Toluene-d8
Concen: 48.888 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Tgt Ion: 98 Resp: 282775
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

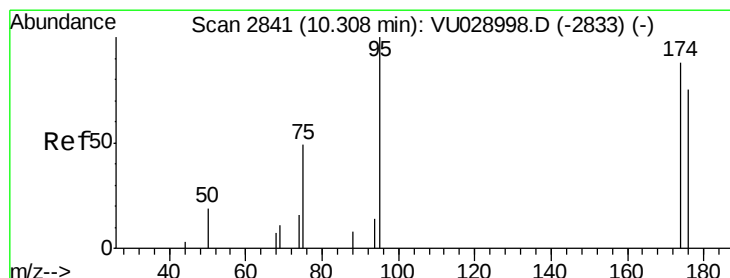
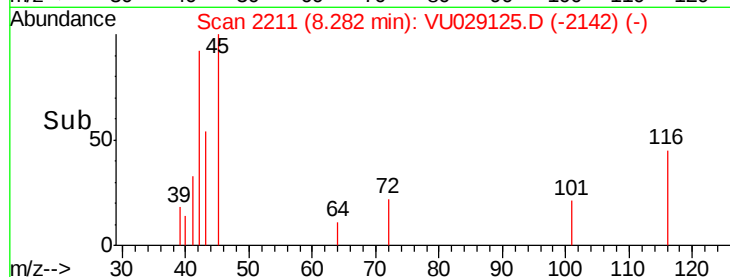
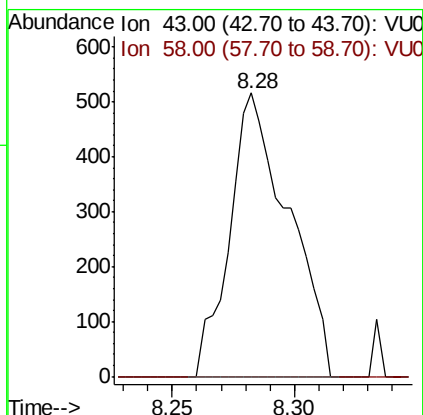
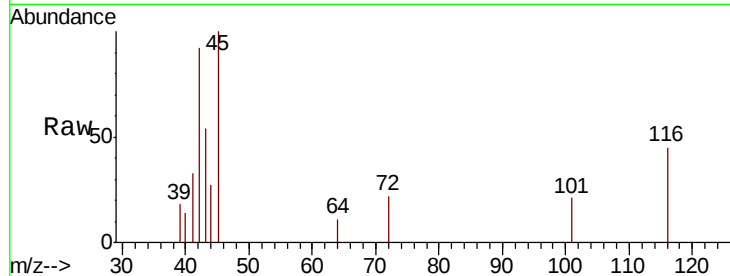




#59
2-Hexanone
Concen: 0.425 ug/l
RT: 8.28 min Scan# 2211
Delta R.T. -0.08 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

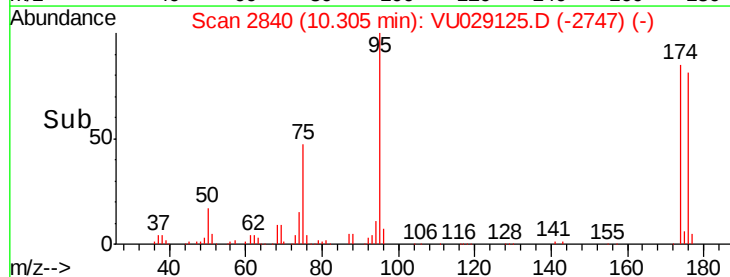
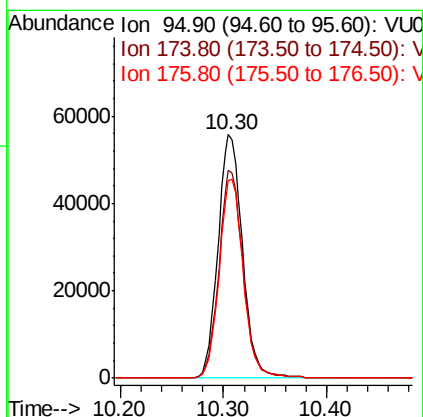
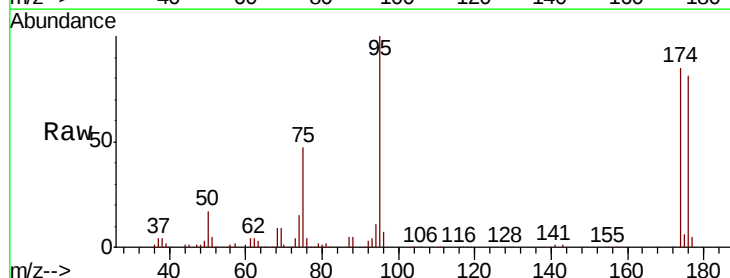
Instrument :
MSVOA_U
ClientSampleId :
CPGP-01

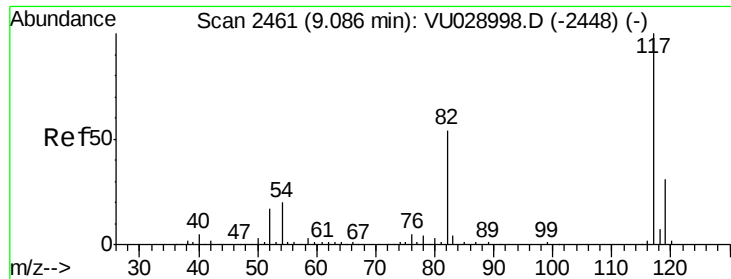
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 44.234 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Tgt Ion: 95 Resp: 91950
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.6
176 80.4 0.0 165.0

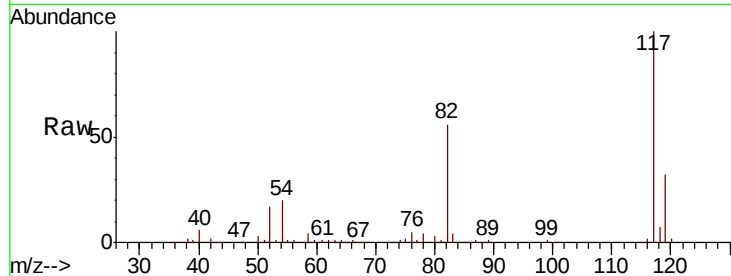




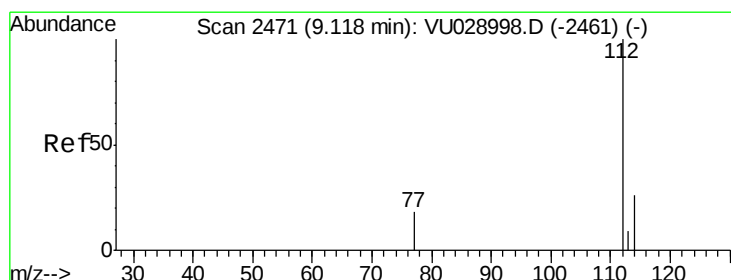
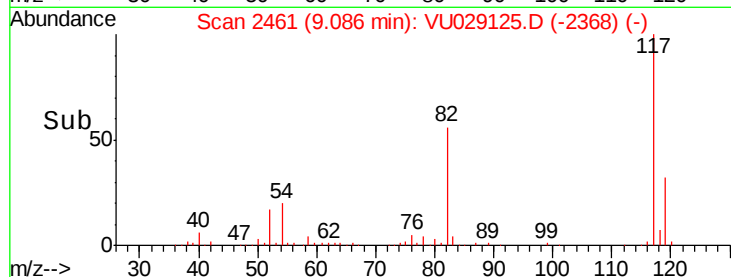
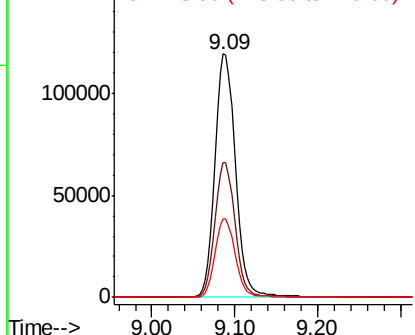
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Instrument :
MSVOA_U
ClientSampleId :
CPGP-01

Tgt Ion:117 Resp: 206121
Ion Ratio Lower Upper
117 100
82 55.6 43.9 65.9
119 32.3 26.0 39.0

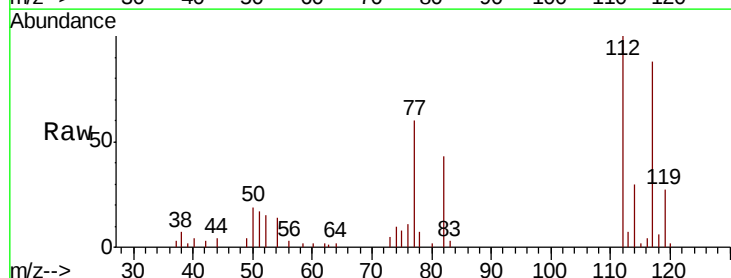


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU029125.D (-2368) (-)
Ion 118.90 (118.60 to 119.60): V

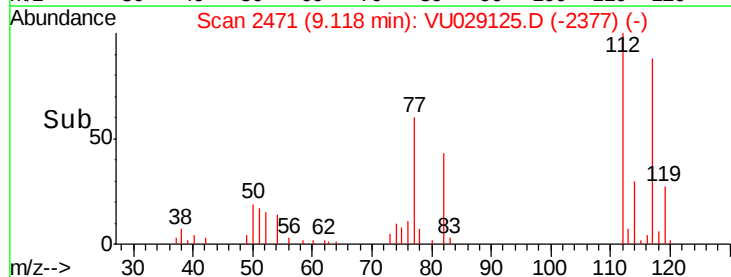
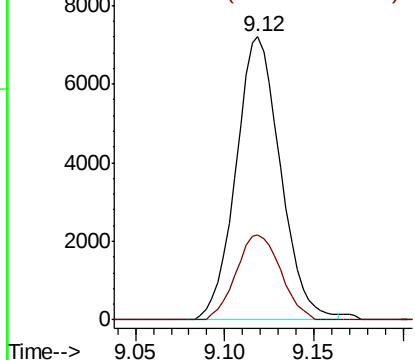


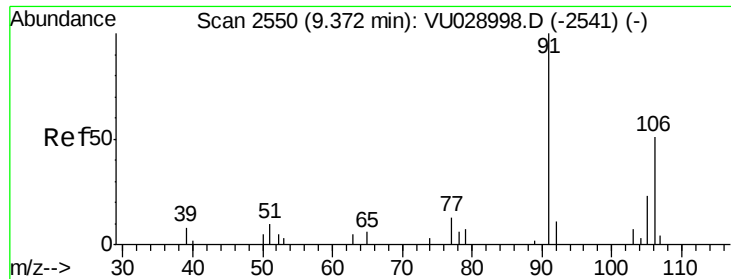
#65
Chlorobenzene
Concen: 2.718 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Tgt Ion:112 Resp: 12559
Ion Ratio Lower Upper
112 100
114 30.3 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

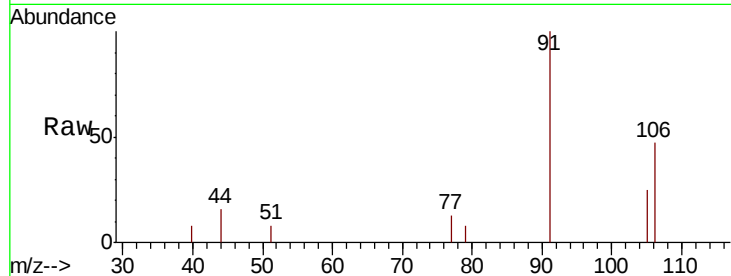




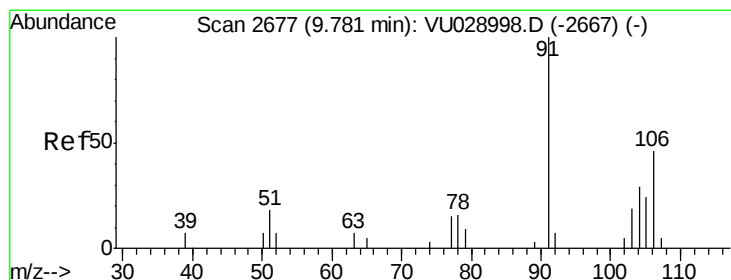
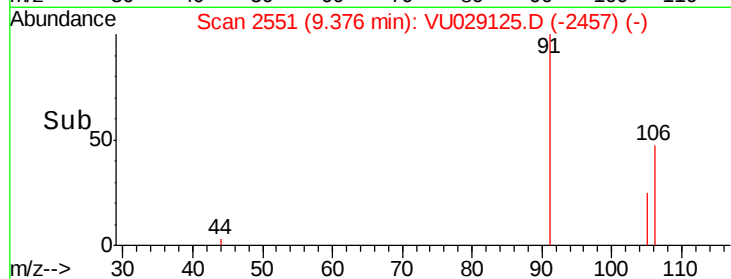
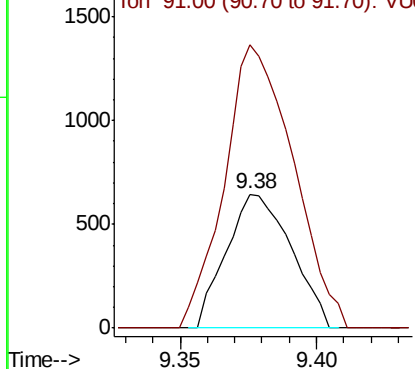
#68
m/p-Xylenes
Concen: 0.356 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Instrument :
MSVOA_U
ClientSampleId :
CPGP-01

Tgt Ion:106 Resp: 1066
Ion Ratio Lower Upper
106 100
91 224.5 161.7 242.5

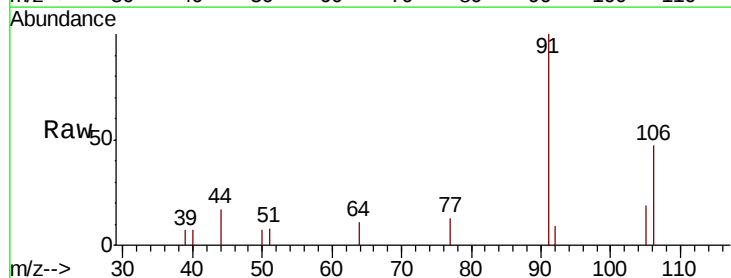


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

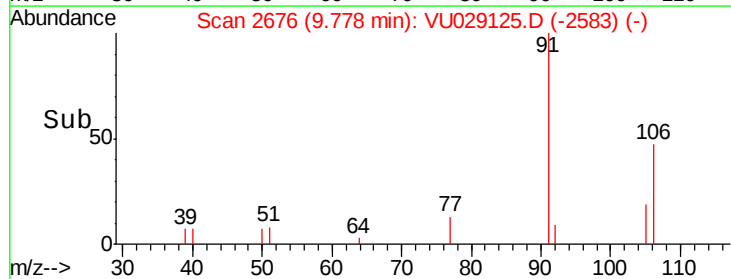
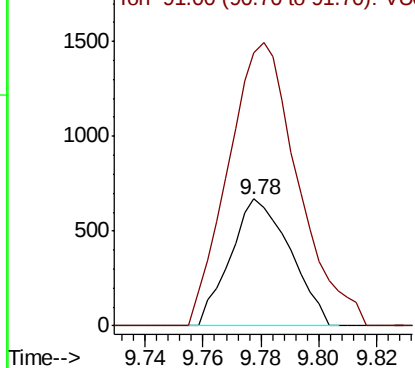


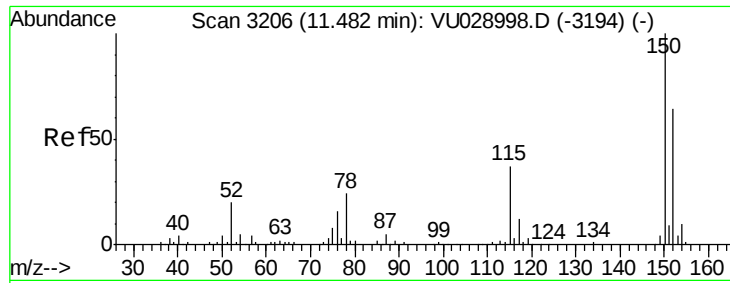
#69
o-Xylene
Concen: 0.332 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029125.D
Acq: 10 Jan 2019 18:18

Tgt Ion:106 Resp: 960
Ion Ratio Lower Upper
106 100
91 259.3 106.1 318.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

CPGP-01

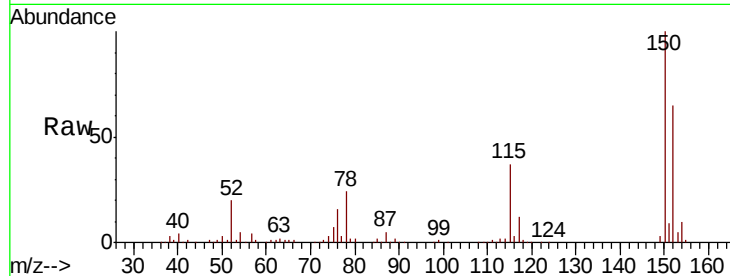
Tgt Ion:152 Resp: 86712

Ion Ratio Lower Upper

152 100

115 56.0 40.1 120.3

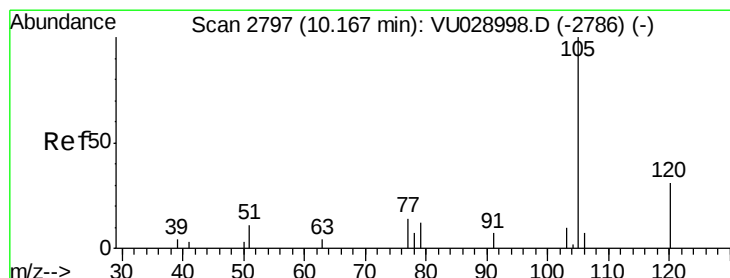
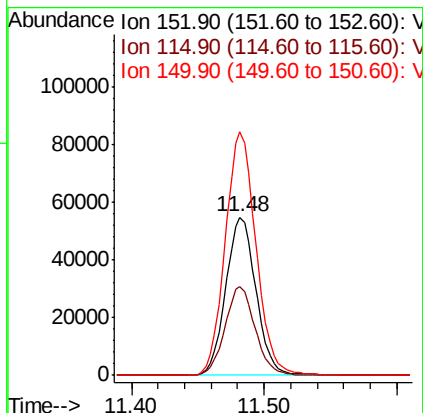
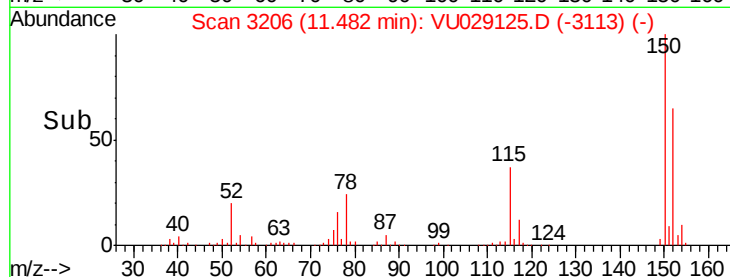
150 156.4 0.0 345.2



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



#73

Isopropylbenzene

Concen: 0.381 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029125.D

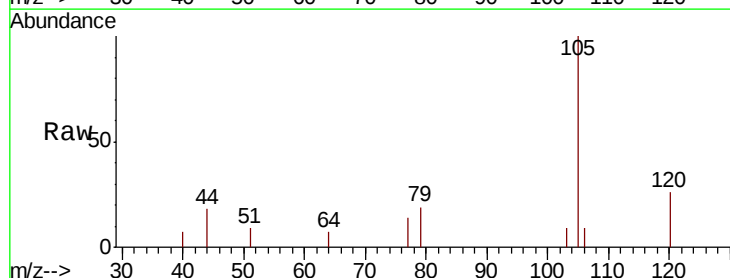
Acq: 10 Jan 2019 18:18

Tgt Ion:105 Resp: 2445

Ion Ratio Lower Upper

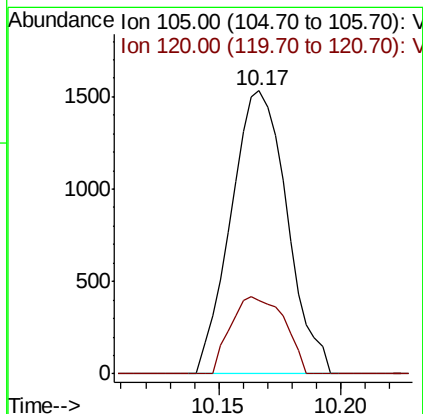
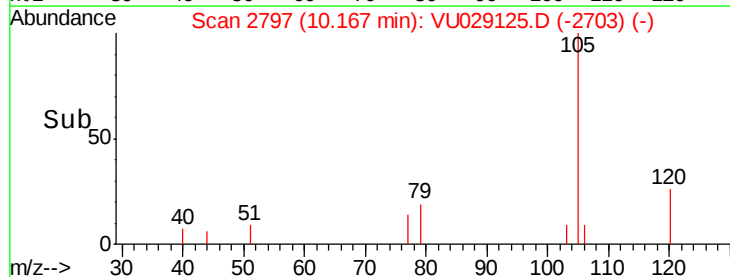
105 100

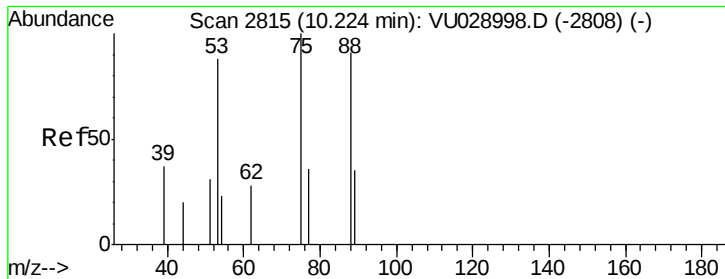
120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 20.372 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

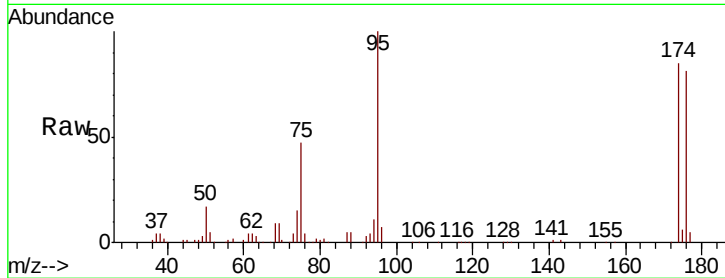
CPGP-01

Tgt Ion: 75 Resp: 43283

Ion Ratio Lower Upper

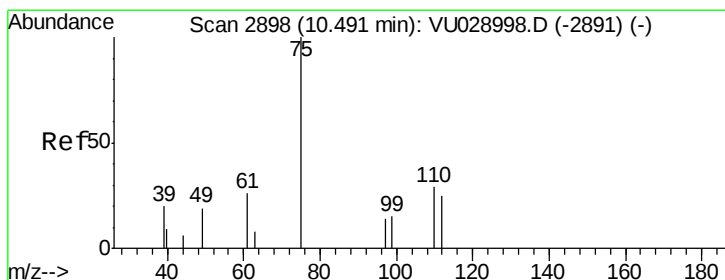
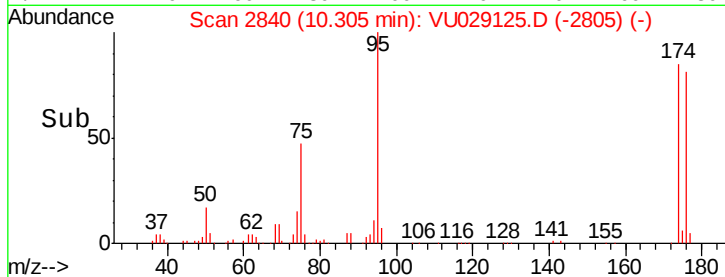
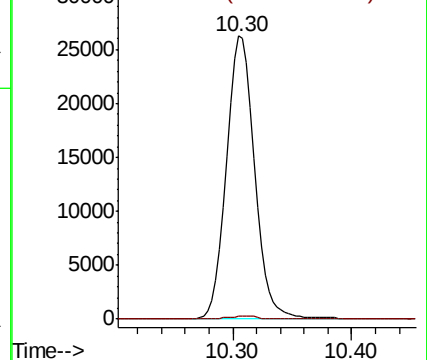
75 100

77 1.0 20.9 62.8#



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: 52.542 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

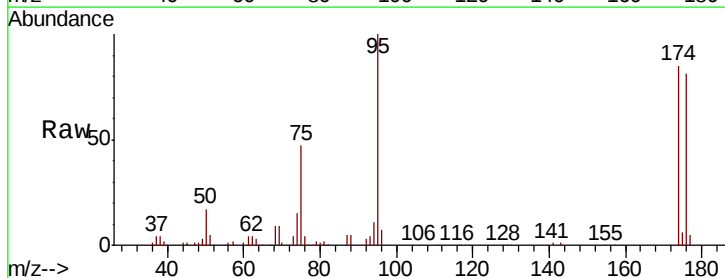
Tgt Ion: 75 Resp: 43283

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

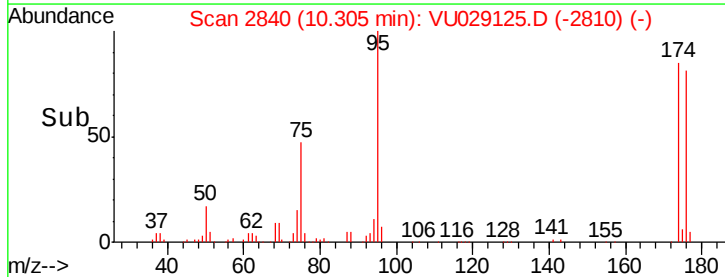
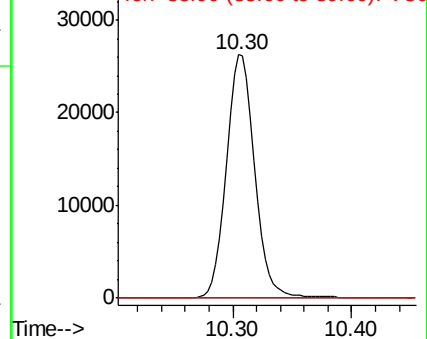
89 0.0 0.0 0.0

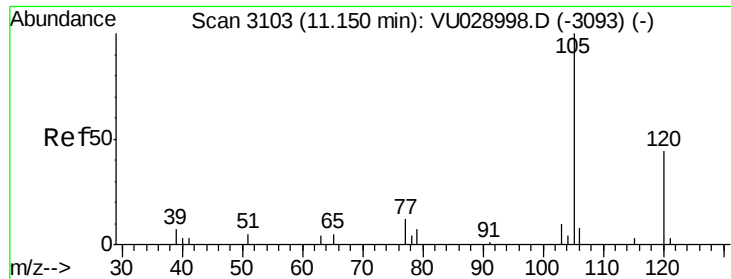


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#84

1,2,4-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

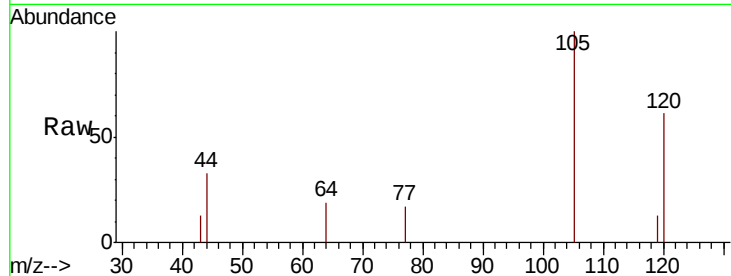
CPGP-01

Tgt Ion:105 Resp: 1164

Ion Ratio Lower Upper

105 100

120 52.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

800

600

400

200

0

Time--> 11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

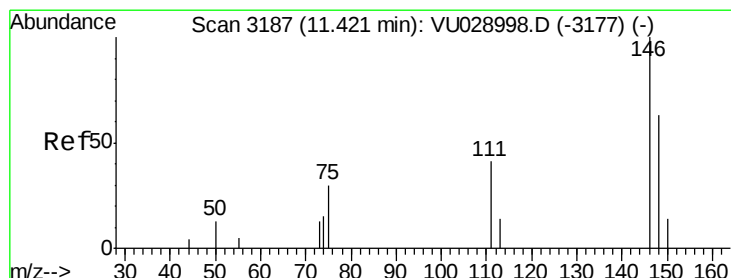
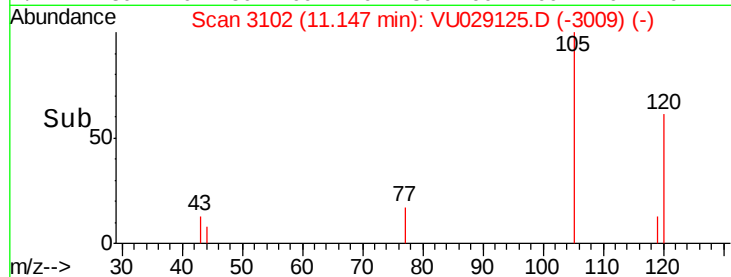
13.30

13.35

13.40

13.45

13.50



#87

1,3-Dichlorobenzene

Concen: 0.256 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.09 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

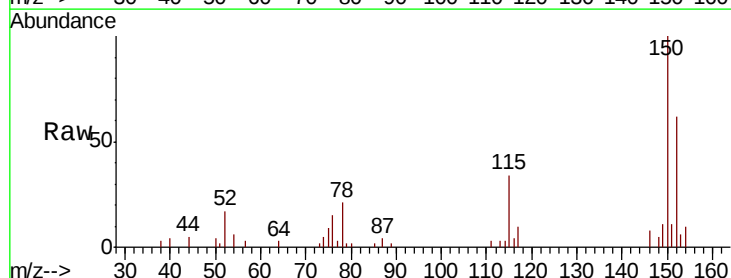
Tgt Ion:146 Resp: 785

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.8#

148 80.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.51

1000

800

600

400

200

0

Time--> 11.50

11.51

11.52

11.53

11.54

11.55

11.56

11.57

11.58

11.59

11.60

11.61

11.62

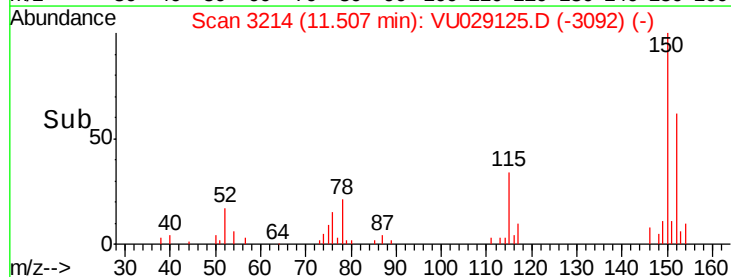
11.63

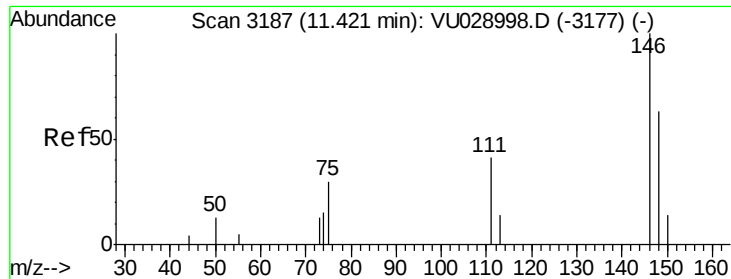
11.64

11.65

11.66

11.67

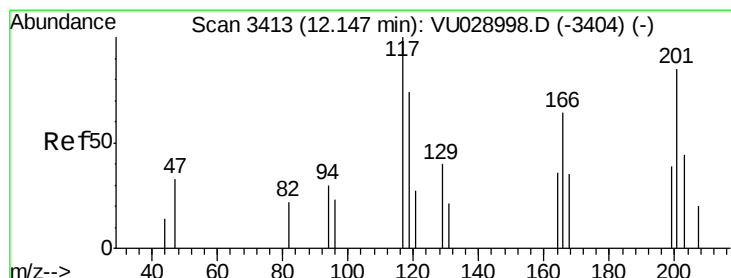
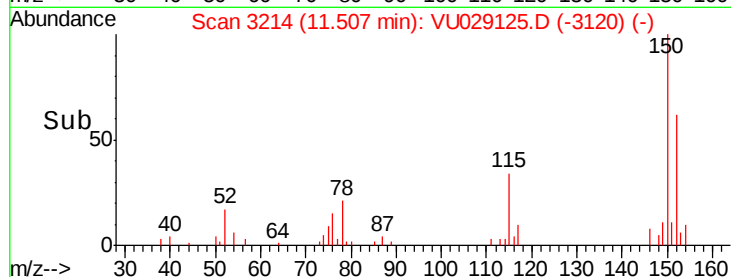
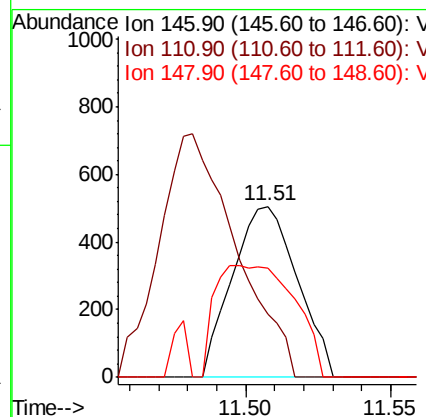
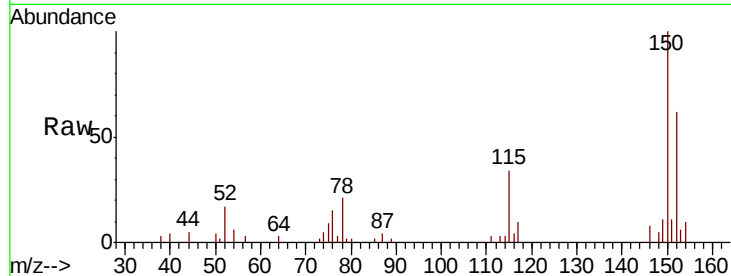




#88
 1,4-Dichlorobenzene
 Concen: 0.248 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029125.D
 Acq: 10 Jan 2019 18:18

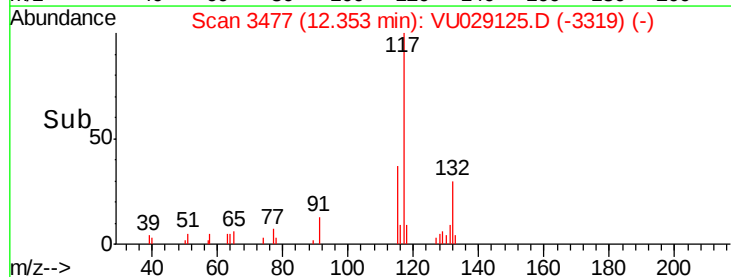
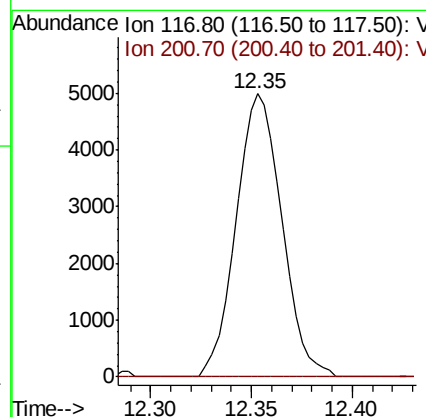
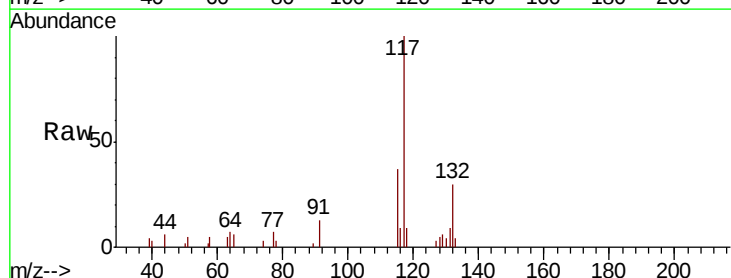
Instrument :
 MSVOA_U
 ClientSampleId :
 CPGP-01

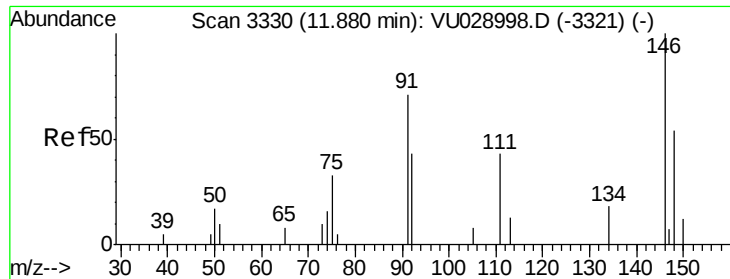
Tgt Ion:146 Resp: 785
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.3#
 148 80.3 32.6 98.0



#90
 Hexachloroethane
 Concen: 8.651 ug/l
 RT: 12.35 min Scan# 3477
 Delta R.T. 0.21 min
 Lab File: VU029125.D
 Acq: 10 Jan 2019 18:18

Tgt Ion:117 Resp: 7923
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.4 127.3#





#91

1,2-Dichlorobenzene

Concen: 0.245 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. 0.01 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

CPGP-01

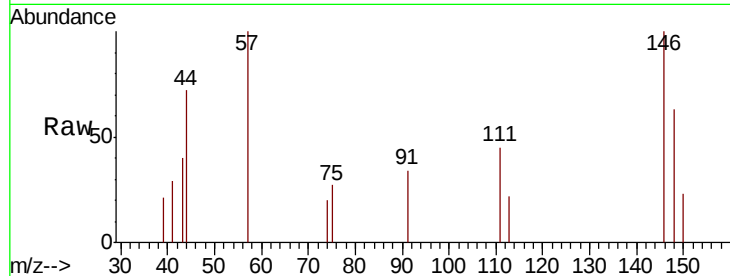
Tgt Ion:146 Resp: 758

Ion Ratio Lower Upper

146 100

111 37.7 20.0 59.9

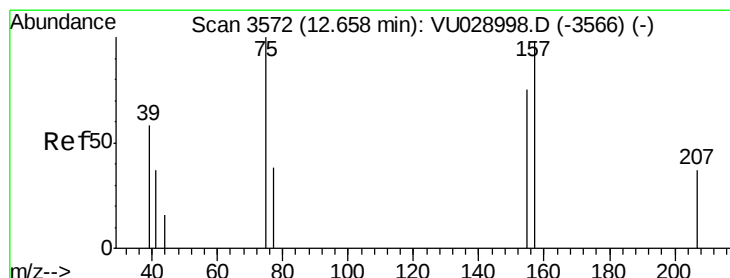
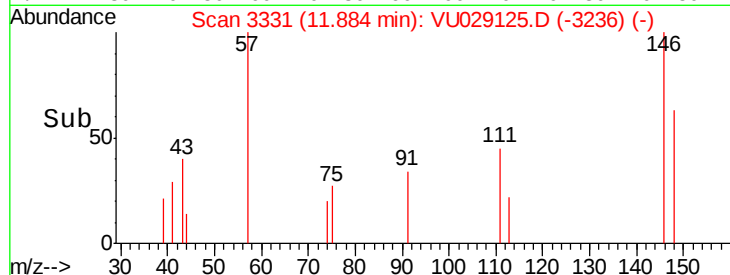
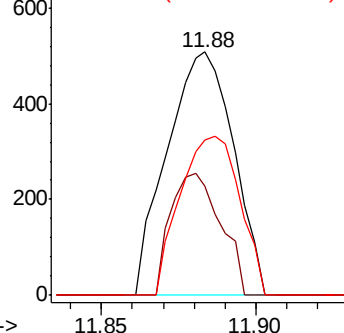
148 58.8 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.770 ug/l

RT: 12.71 min Scan# 3587

Delta R.T. 0.05 min

Lab File: VU029125.D

Acq: 10 Jan 2019 18:18

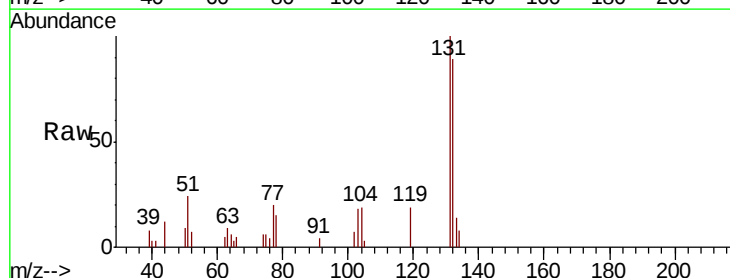
Tgt Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.8#

157 0.0 57.4 172.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

