

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029127.D
 Acq On : 10 Jan 2019 19:06
 Operator : MD/SY
 Sample : K1123-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPGP-04

Quant Time: Jan 11 02:49:05 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	127121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	222891	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	201584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86825	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	83715	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	4.88	113	73691	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	7.56	98	276863	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	10.31	95	90355	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	

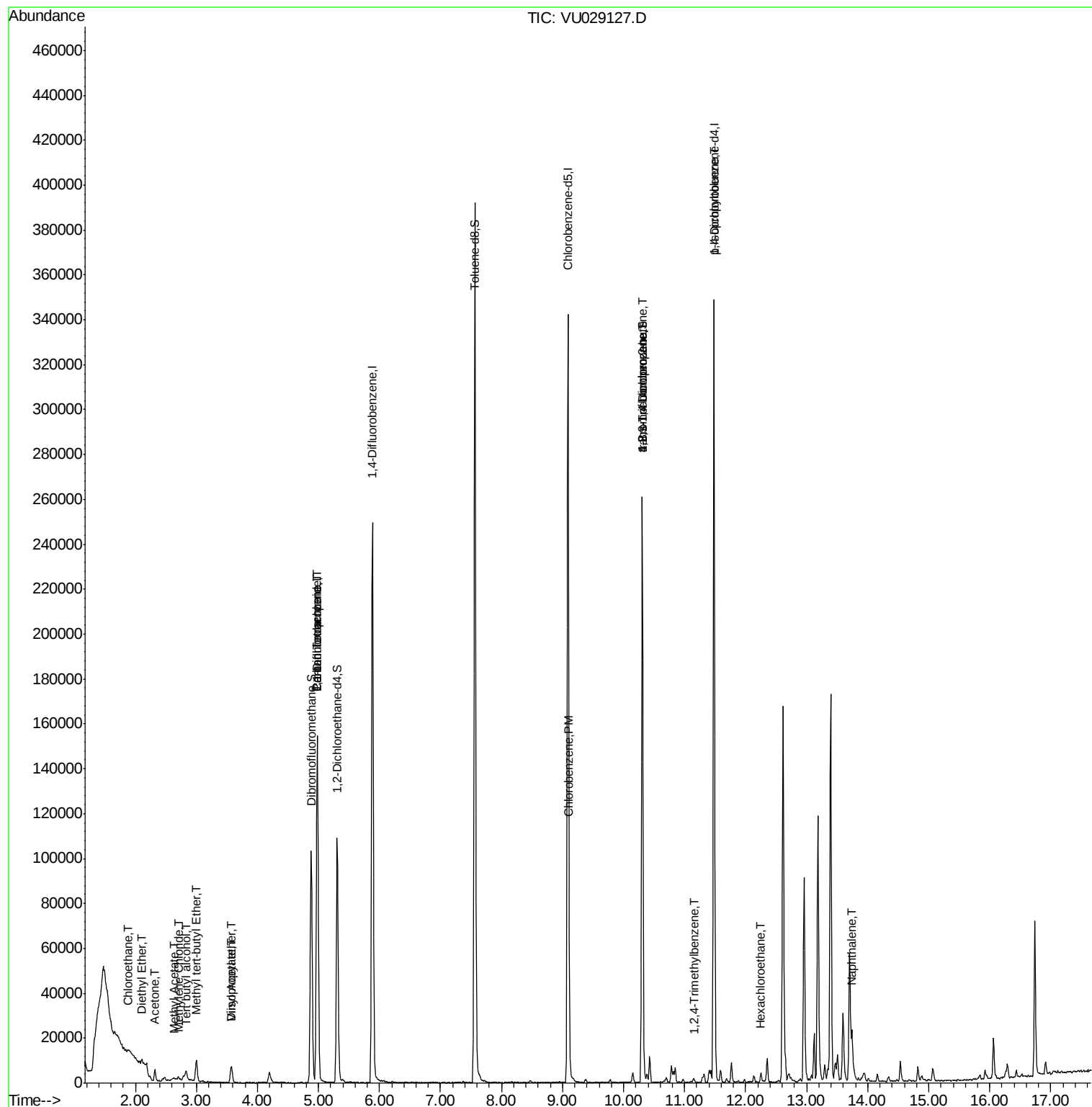
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.88	64	922	0.833	ug/l #	67
8) Diethyl Ether	2.11	74	463	0.476	ug/l	76
11) Tert butyl alcohol	2.83	59	4549	11.388	ug/l #	84
16) Acetone	2.32	43	5567	5.623	ug/l	99
18) Methyl Acetate	2.62	43	677	0.294	ug/l #	65
19) Methyl tert-butyl Ether	3.00	73	10092	2.177	ug/l	97
20) Methylene Chloride	2.70	84	374	0.223	ug/l #	72
22) Diisopropyl ether	3.57	45	7693	1.609	ug/l	94
23) Vinyl Acetate	3.57	43	3667	0.938	ug/l #	71
31) Cyclohexane	4.98	56	2924	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8732	3.919	ug/l #	47
38) Carbon Tetrachloride	4.98	117	11570	6.227	ug/l #	16
65) Chlorobenzene	9.12	112	1497	0.331	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	42529	19.992	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	42529	51.559	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1410	0.263	ug/l	94
86) p-Isopropyltoluene	11.47	119	20820	3.819	ug/l	97
90) Hexachloroethane	12.25	117	315	0.343	ug/l #	7
95) Naphthalene	13.74	128	15369	2.287	ug/l	99

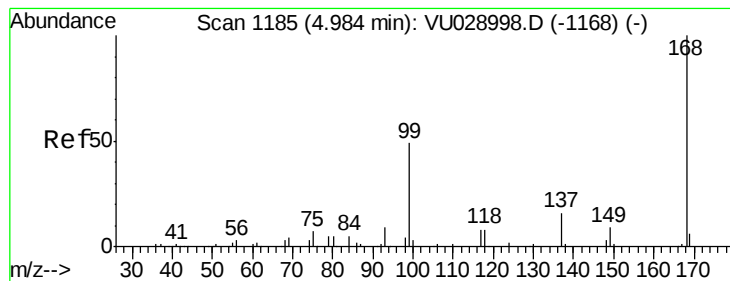
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

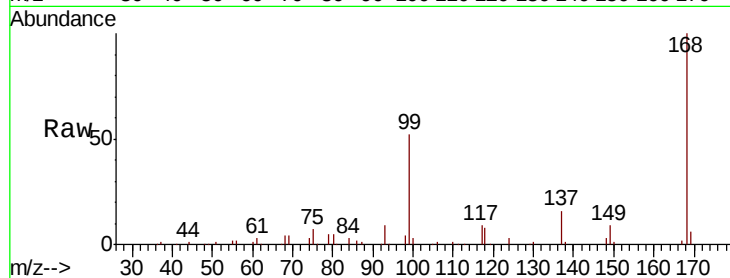
CPGP-04

Tgt Ion:168 Resp: 127121

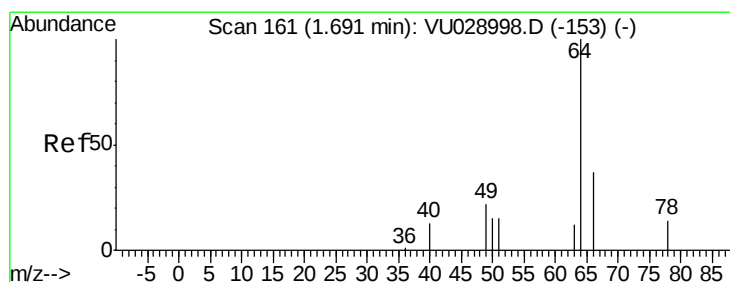
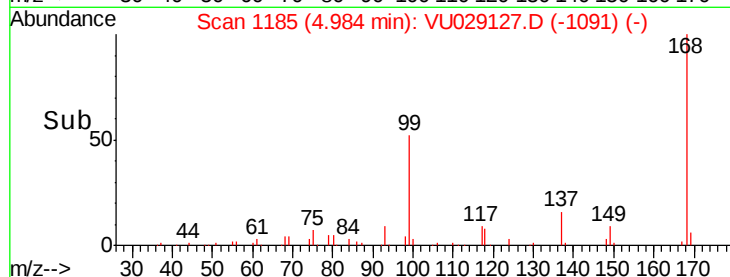
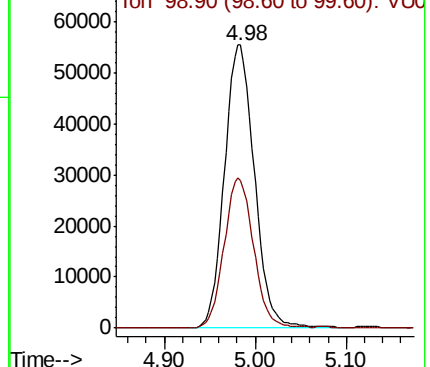
Ion Ratio Lower Upper

168 100

99 52.3 42.0 63.0



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



#6

Chloroethane

Concen: 0.833 ug/l

RT: 1.88 min Scan# 220

Delta R.T. 0.20 min

Lab File: VU029127.D

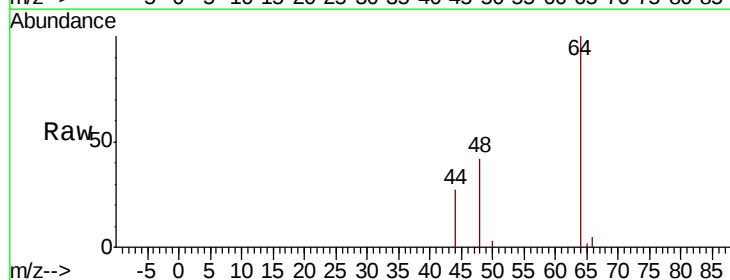
Acq: 10 Jan 2019 19:06

Tgt Ion: 64 Resp: 922

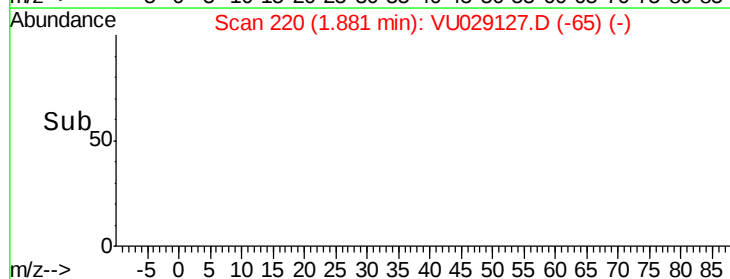
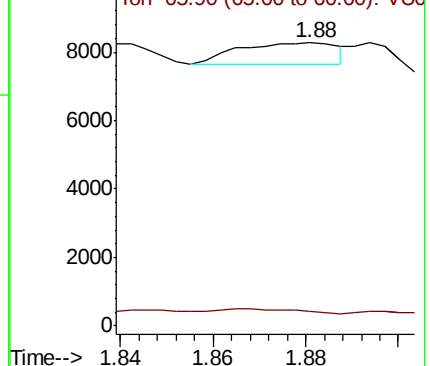
Ion Ratio Lower Upper

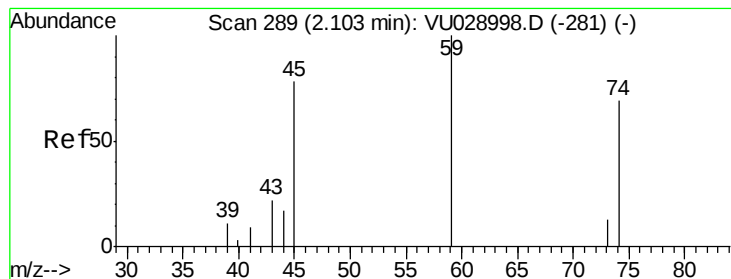
64 100

66 13.4 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VU028998.D (-153) (-)





#8

Diethyl Ether

Concen: 0.476 ug/l

RT: 2.11 min Scan# 290

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

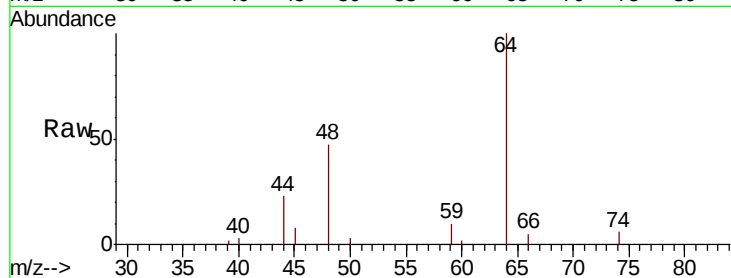
CPGP-04

Tgt Ion: 74 Resp: 463

Ion Ratio Lower Upper

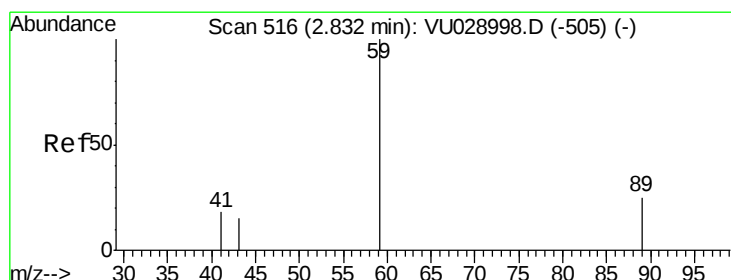
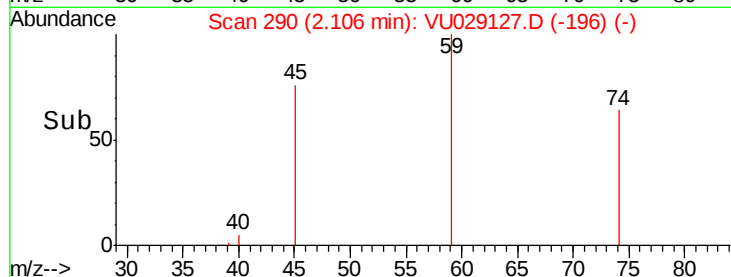
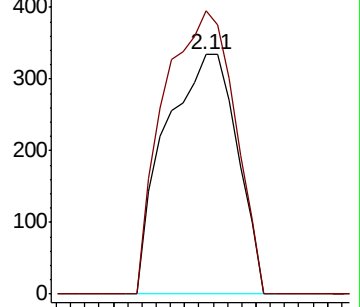
74 100

45 117.3 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#11

Tert butyl alcohol

Concen: 11.388 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029127.D

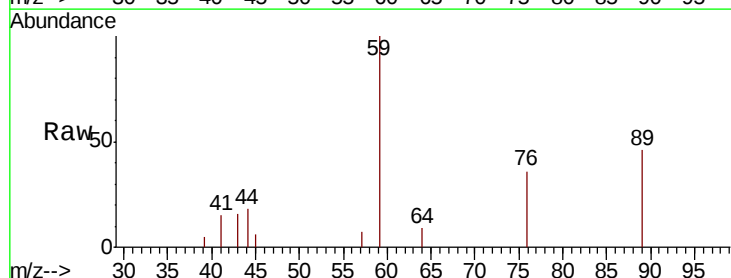
Acq: 10 Jan 2019 19:06

Tgt Ion: 59 Resp: 4549

Ion Ratio Lower Upper

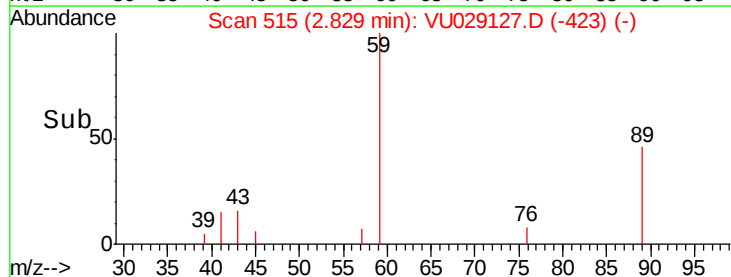
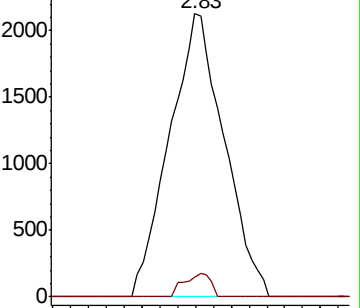
59 100

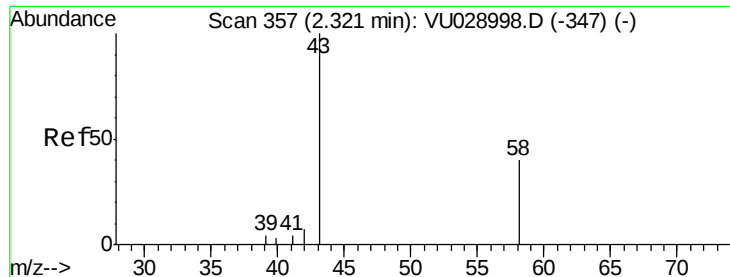
57 4.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 5.623 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

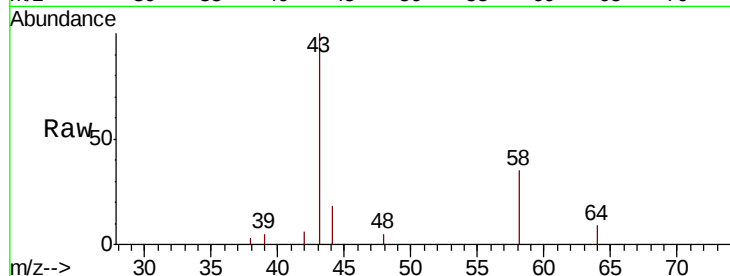
CPGP-04

Tgt Ion: 43 Resp: 5567

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

4000

3000

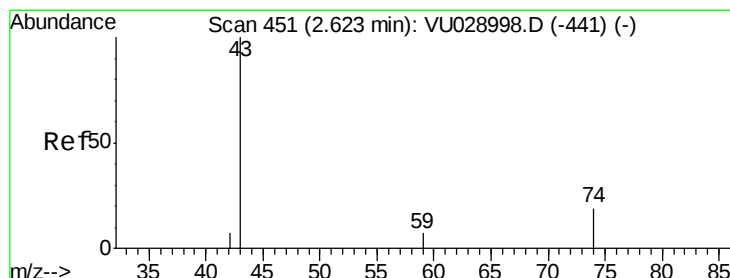
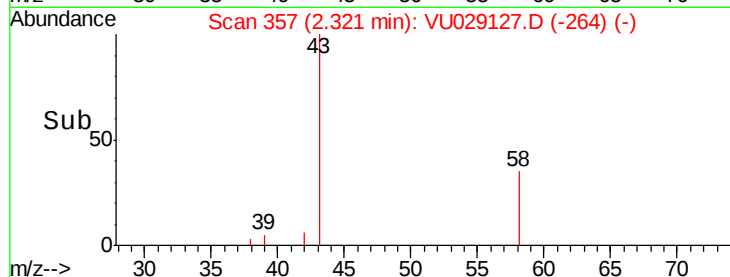
2000

1000

0

Time--> 2.25 2.30 2.35

2.32



#18

Methyl Acetate

Concen: 0.294 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029127.D

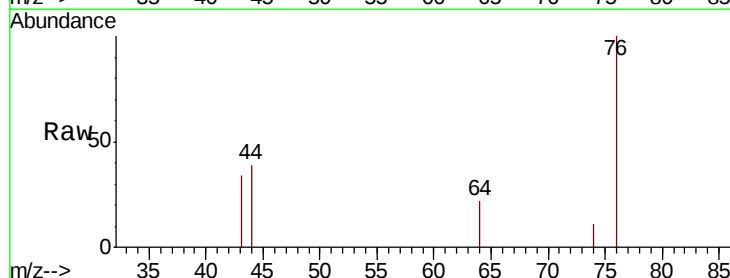
Acq: 10 Jan 2019 19:06

Tgt Ion: 43 Resp: 677

Ion Ratio Lower Upper

43 100

74 6.8 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

400

300

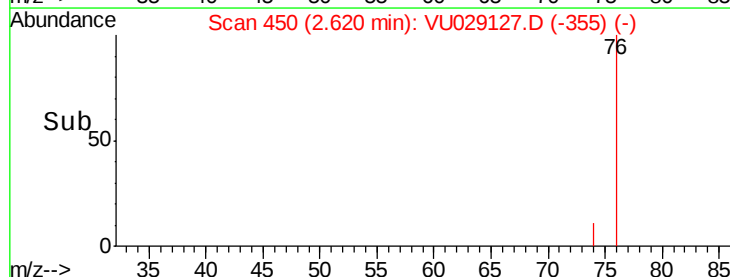
200

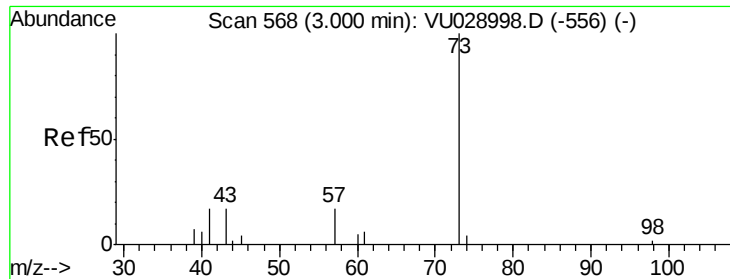
100

0

Time--> 2.60 2.65

2.62

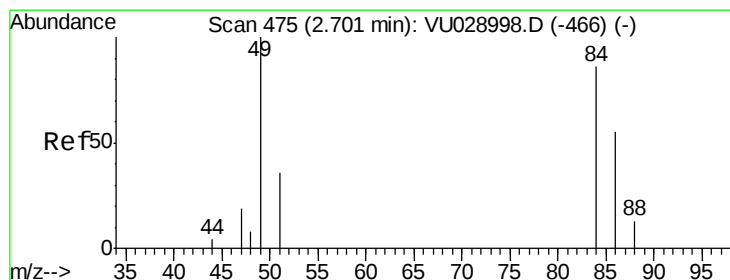
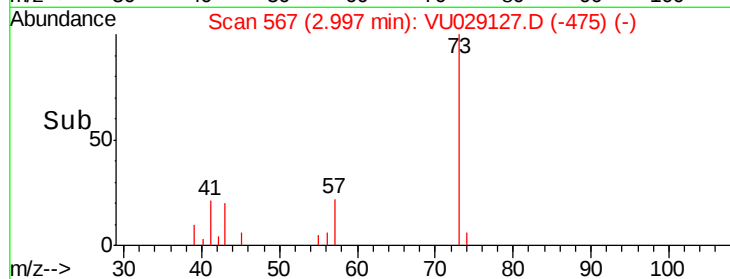
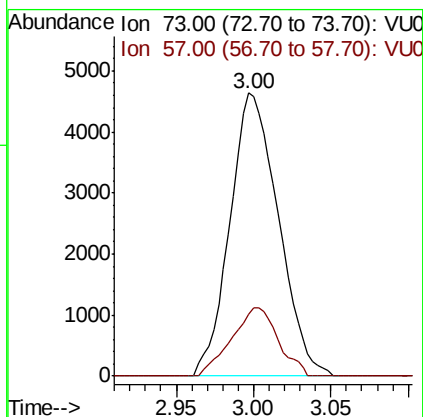
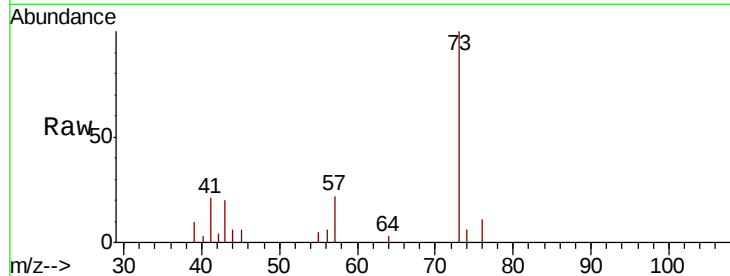




#19
Methyl tert-butyl Ether
Concen: 2.177 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

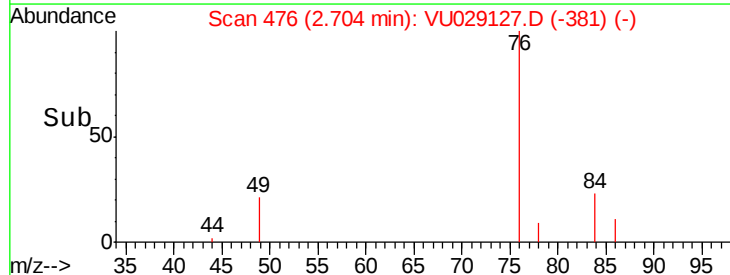
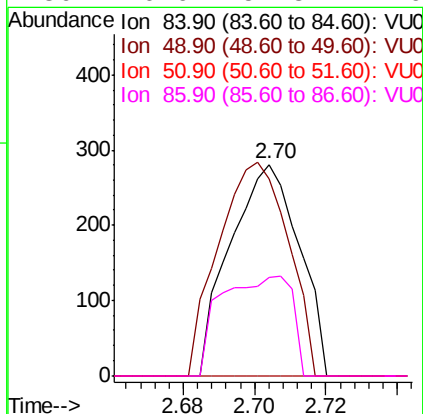
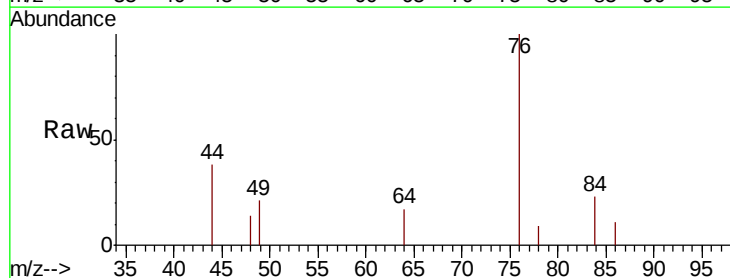
Instrument :
MSVOA_U
ClientSampleId :
CPGP-04

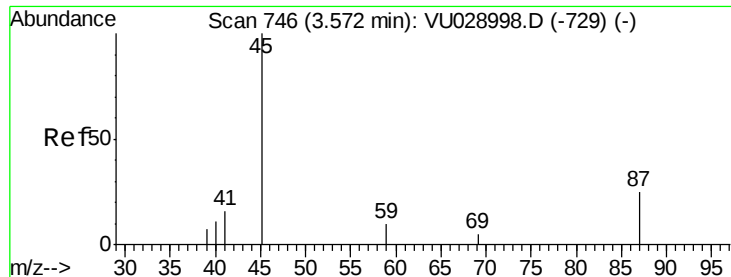
Tgt Ion: 73 Resp: 10092
Ion Ratio Lower Upper
73 100
57 22.0 18.6 28.0



#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

Tgt Ion: 84 Resp: 374
Ion Ratio Lower Upper
84 100
49 92.9 91.9 137.9
51 0.0 29.2 43.8#
86 46.6 51.8 77.6#





#22

Diisopropyl ether

Concen: 1.609 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

CPGP-04

Tgt Ion: 45 Resp: 7693

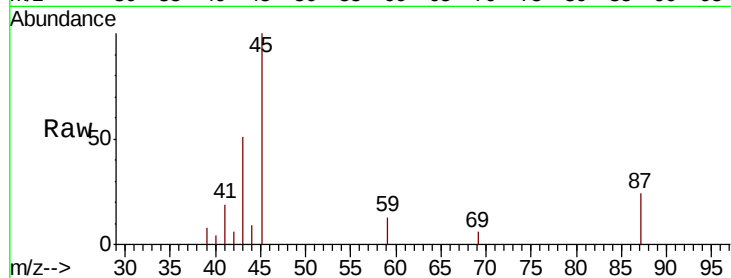
Ion Ratio Lower Upper

45 100

43 50.7 44.7 67.1

87 24.1 22.2 33.2

59 12.6 9.8 14.8

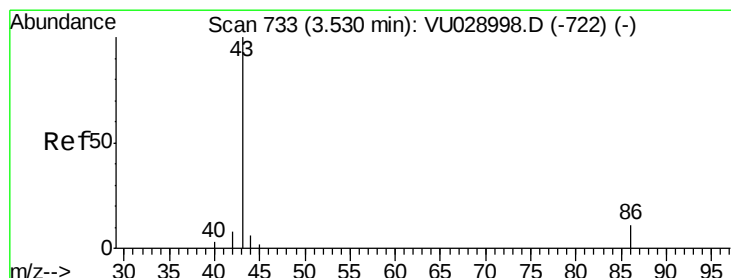
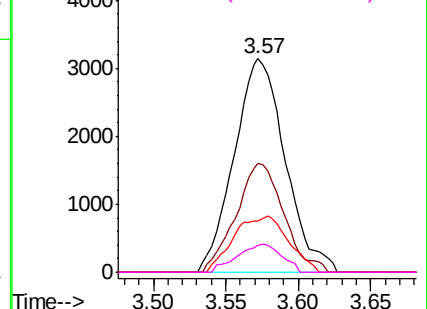
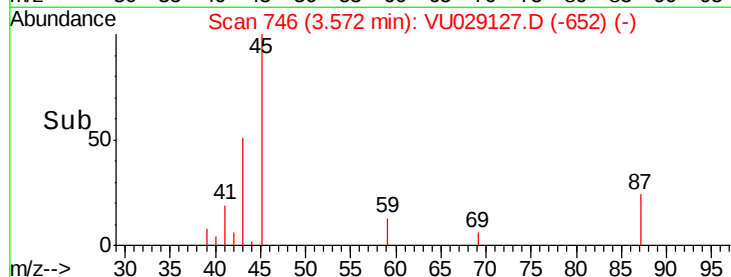


Abundance Ion 45.00 (44.70 to 45.70): VU029127.D (-652) (-)

Ion 43.00 (42.70 to 43.70): VU029127.D (-652) (-)

Ion 87.00 (86.70 to 87.70): VU029127.D (-652) (-)

Ion 59.00 (58.70 to 59.70): VU029127.D (-652) (-)



#23

Vinyl Acetate

Concen: 0.938 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.05 min

Lab File: VU029127.D

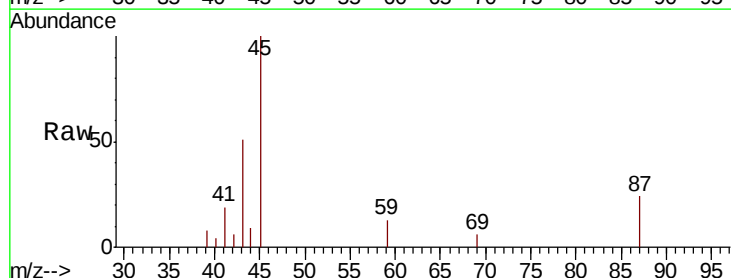
Acq: 10 Jan 2019 19:06

Tgt Ion: 43 Resp: 3667

Ion Ratio Lower Upper

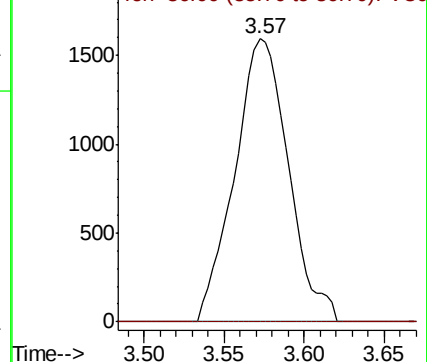
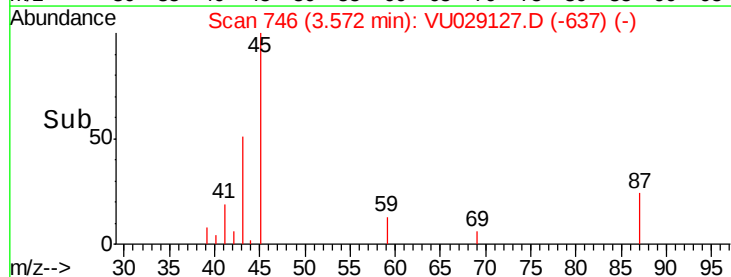
43 100

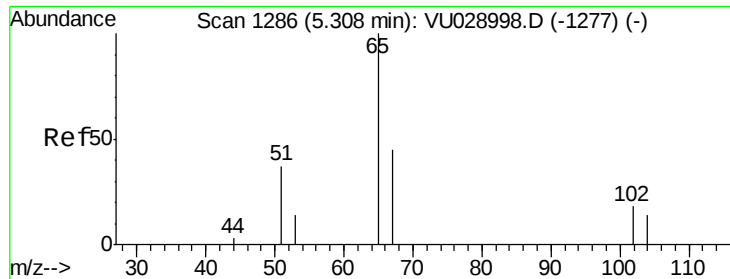
86 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VU029127.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029127.D (-637) (-)

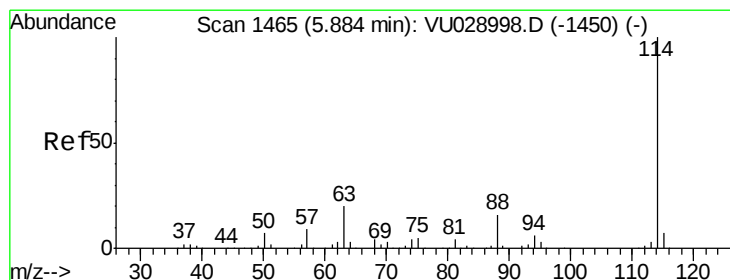
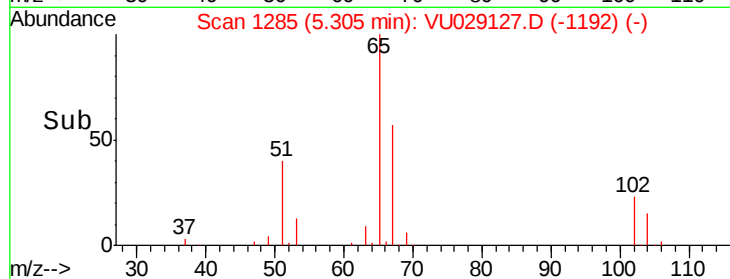
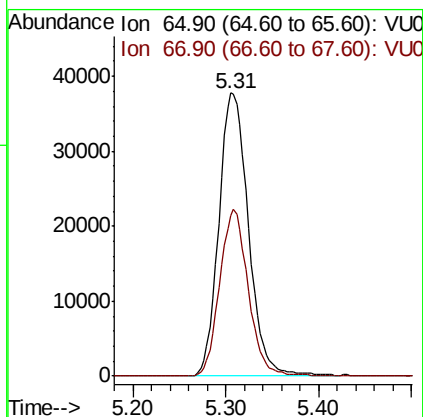
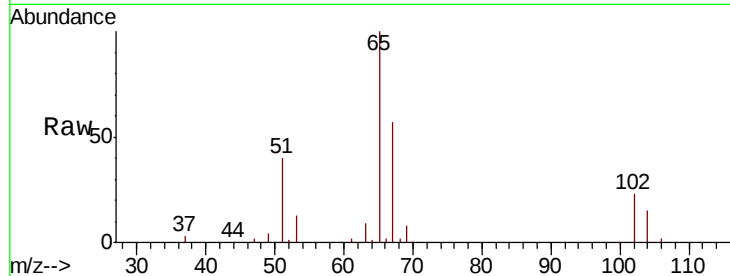




#33
 1,2-Dichloroethane-d4
 Concen: 53.272 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029127.D
 Acq: 10 Jan 2019 19:06

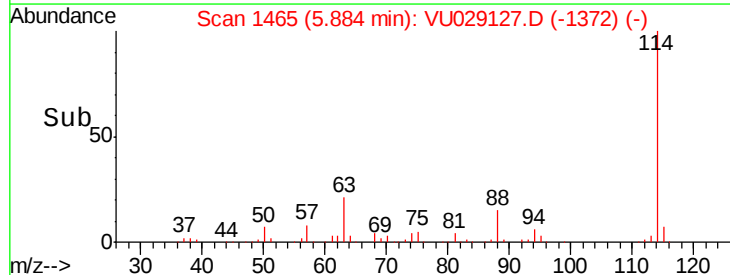
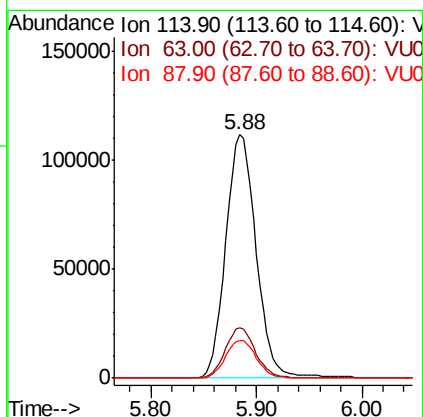
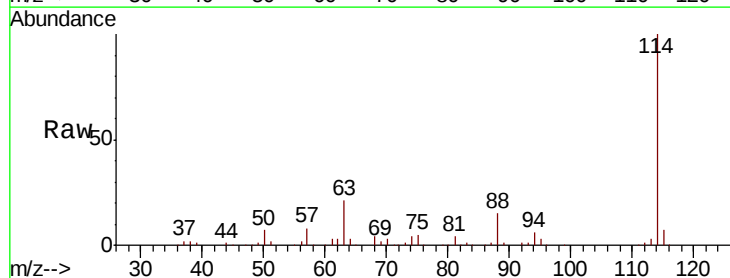
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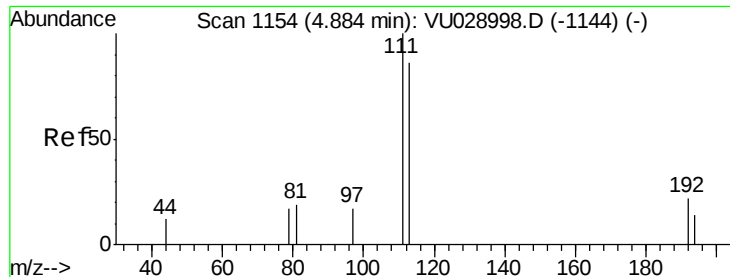
Tgt Ion: 65 Resp: 83715
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029127.D
 Acq: 10 Jan 2019 19:06

Tgt Ion: 114 Resp: 222891
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.4 0.0 30.4

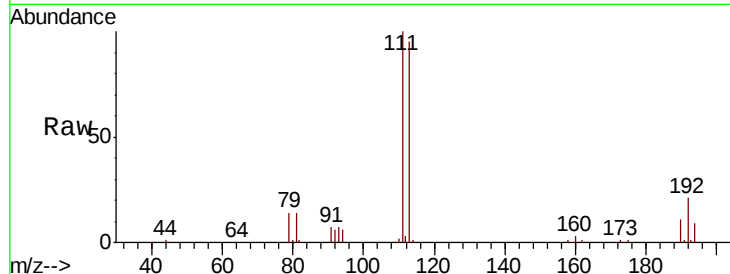




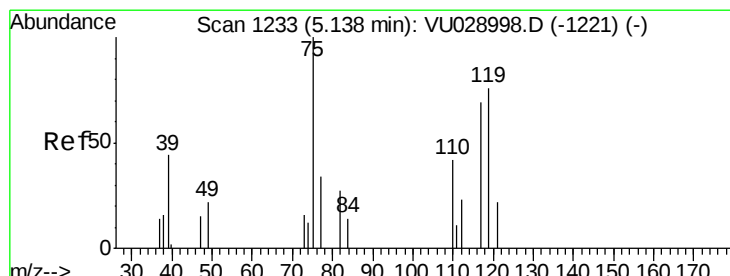
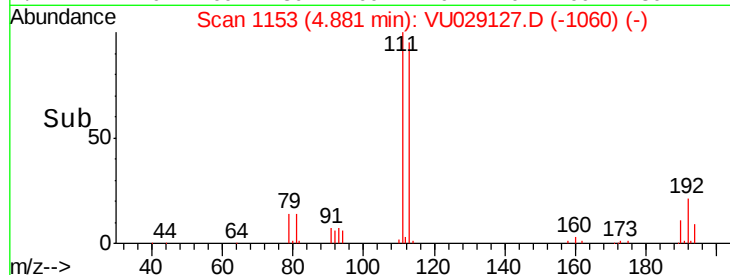
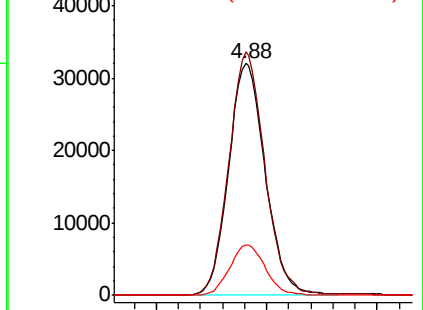
#35
 Dibromofluoromethane
 Concen: 51.003 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029127.D
 Acq: 10 Jan 2019 19:06

Instrument :
 MSVOA_U
 ClientSampleId :
 CPGP-04

Tgt Ion:113 Resp: 73691
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.2
 192 21.2 16.8 25.2

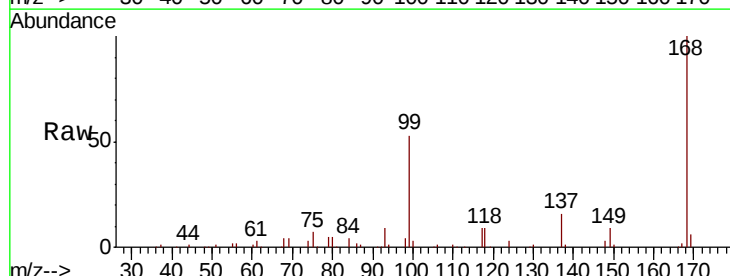


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

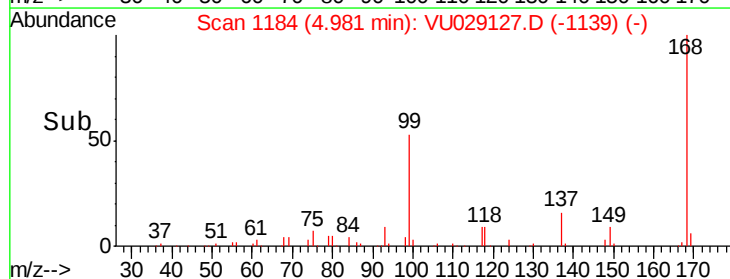
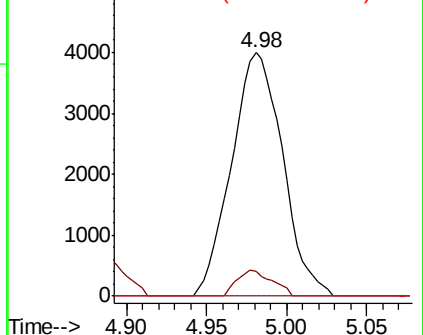


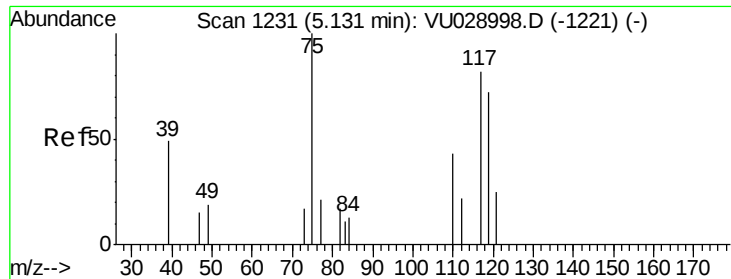
#36
 1,1-Dichloropropene
 Concen: 3.919 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029127.D
 Acq: 10 Jan 2019 19:06

Tgt Ion: 75 Resp: 8732
 Ion Ratio Lower Upper
 75 100
 110 7.3 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

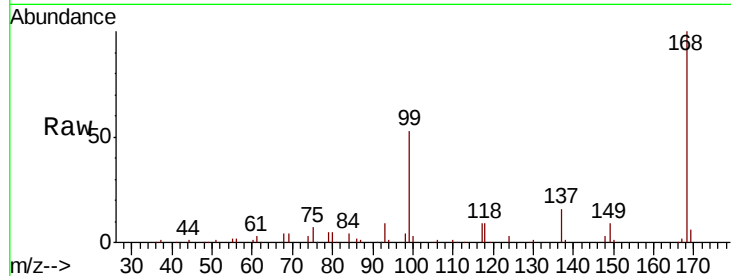




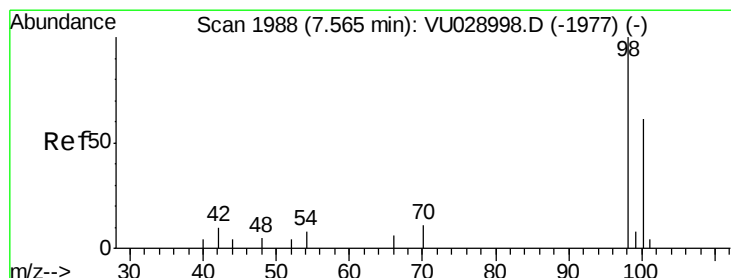
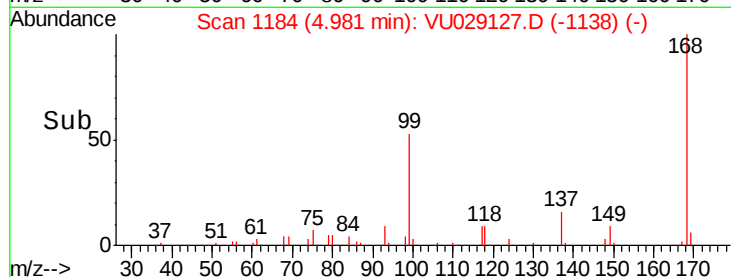
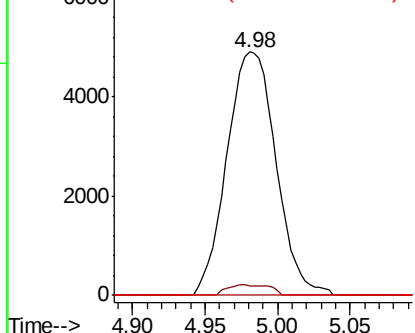
#38
Carbon Tetrachloride
Concen: 6.227 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

Instrument :
MSVOA_U
ClientSampled :
CPGP-04

Tgt Ion:117 Resp: 11570
Ion Ratio Lower Upper
117 100
119 3.8 74.6 111.8#
121 0.0 25.0 37.6#

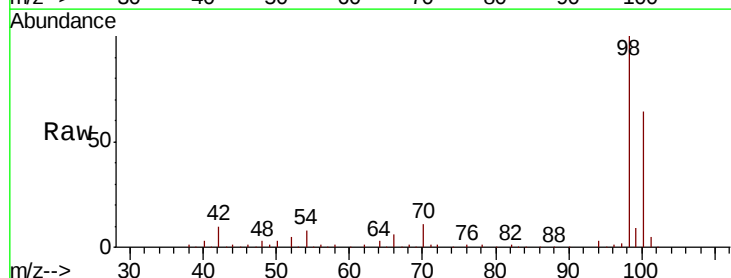


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

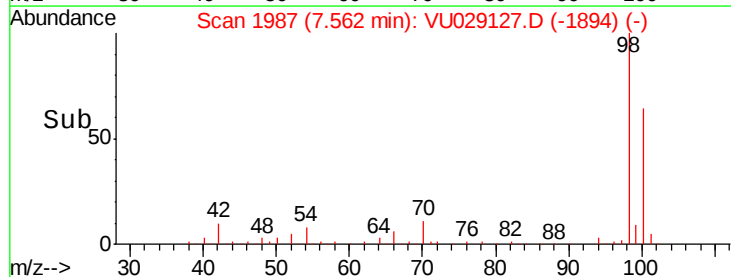
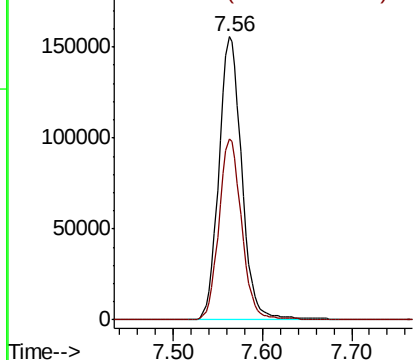


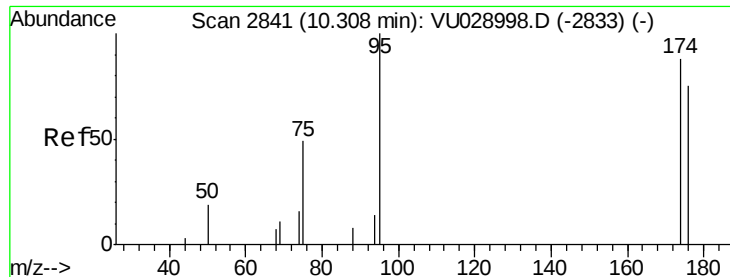
#50
Toluene-d8
Concen: 48.538 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

Tgt Ion: 98 Resp: 276863
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



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

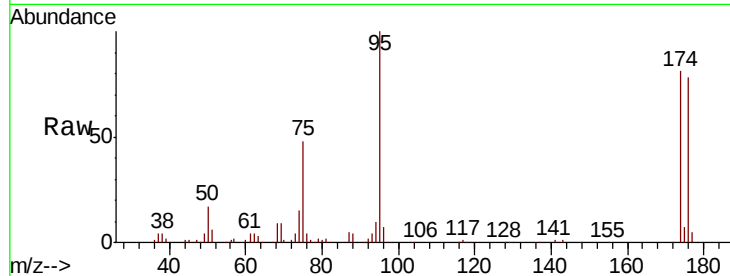




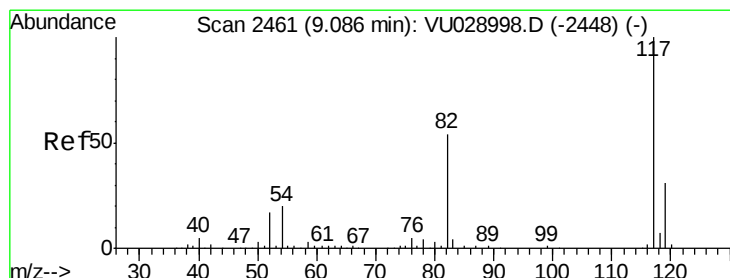
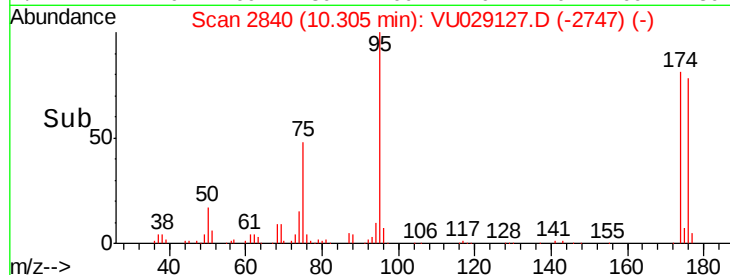
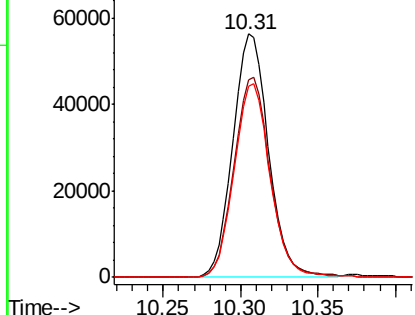
#62
4-Bromofluorobenzene
Concen: 44.077 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

Instrument :
MSVOA_U
ClientSampleId :
CPGP-04

Tgt Ion: 95 Resp: 90355
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.6
176 80.4 0.0 165.0

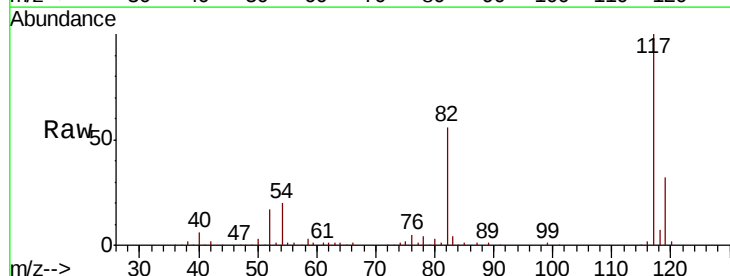


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

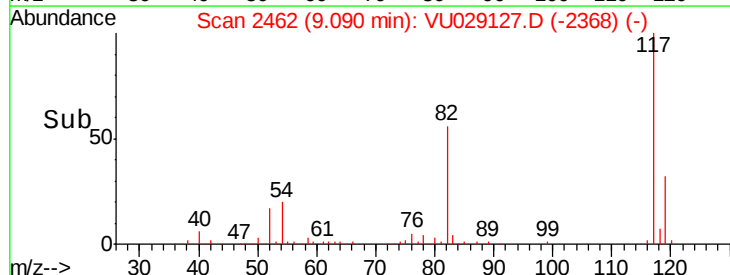
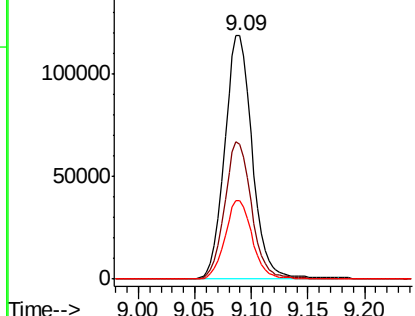


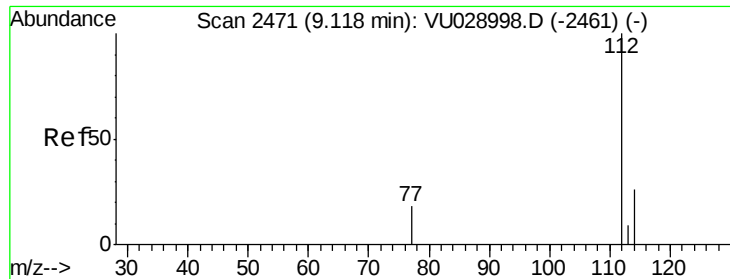
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

Tgt Ion: 117 Resp: 201584
Ion Ratio Lower Upper
117 100
82 55.5 43.9 65.9
119 32.0 26.0 39.0



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

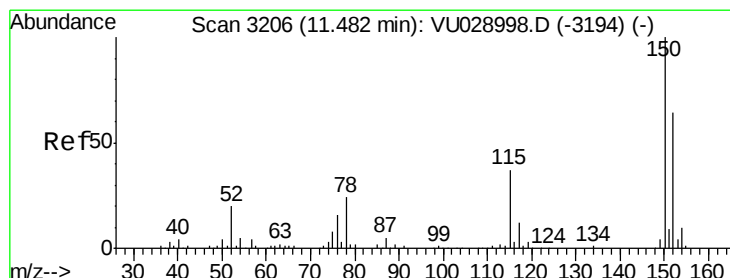
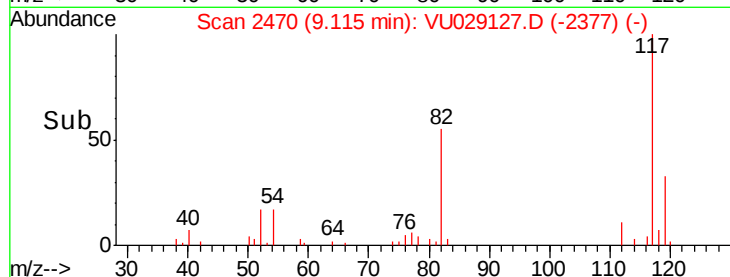
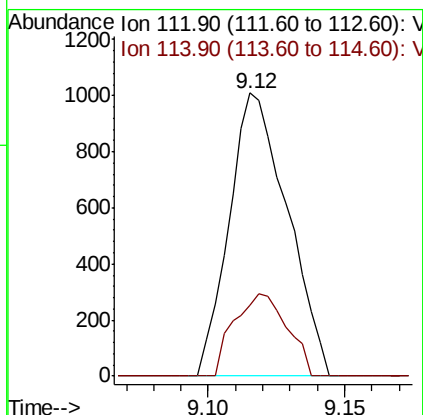
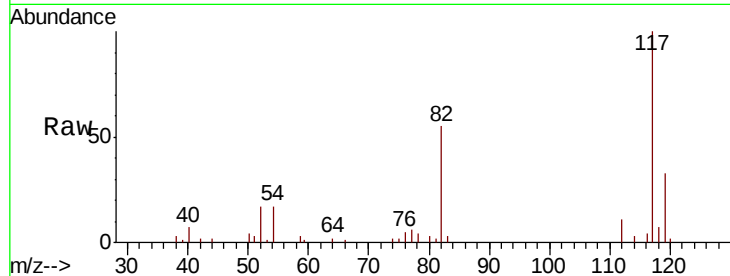




#65
Chlorobenzene
Concen: 0.331 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

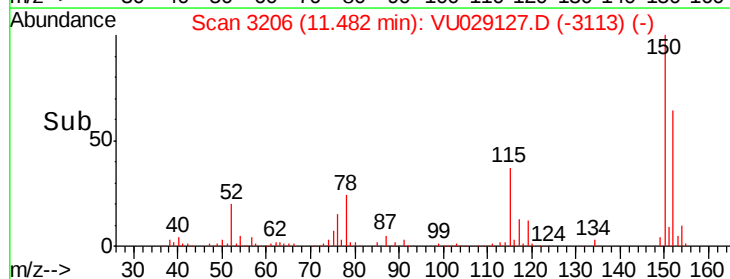
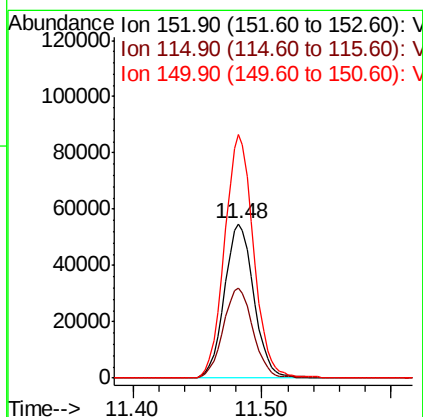
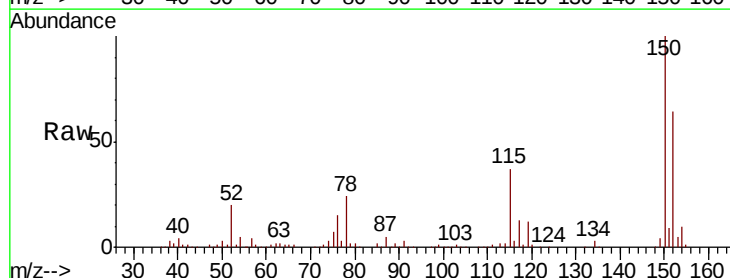
Instrument :
MSVOA_U
ClientSampleId :
CPGP-04

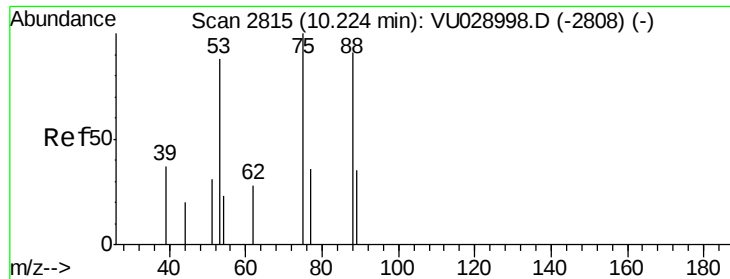
Tgt Ion:112 Resp: 1497
Ion Ratio Lower Upper
112 100
114 25.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029127.D
Acq: 10 Jan 2019 19:06

Tgt Ion:152 Resp: 86825
Ion Ratio Lower Upper
152 100
115 59.1 40.1 120.3
150 155.5 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 19.992 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

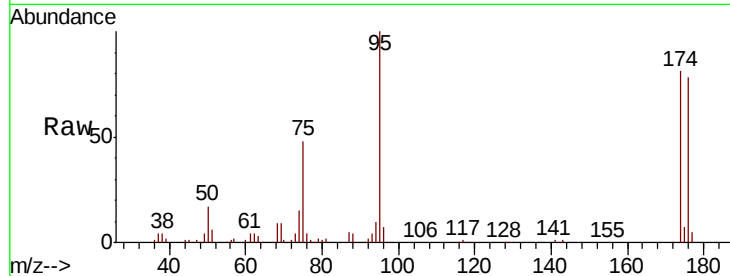
CPGP-04

Tgt Ion: 75 Resp: 42529

Ion Ratio Lower Upper

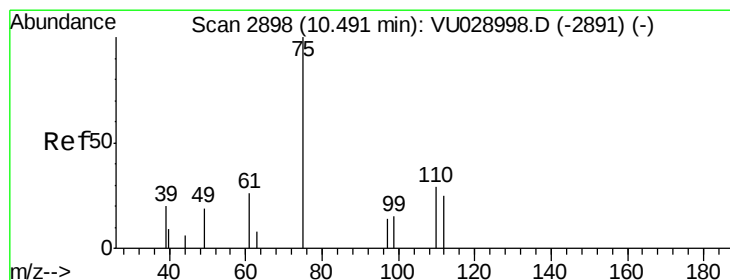
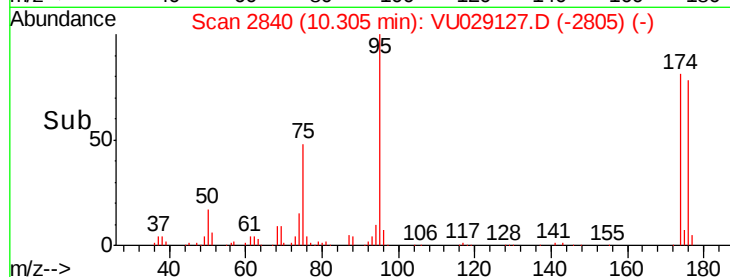
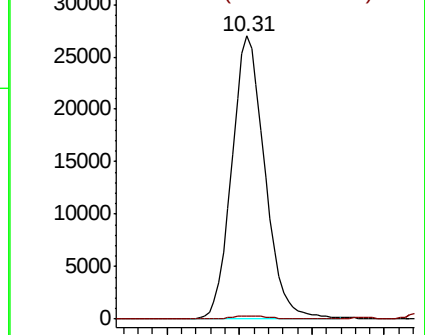
75 100

77 1.2 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: 51.559 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

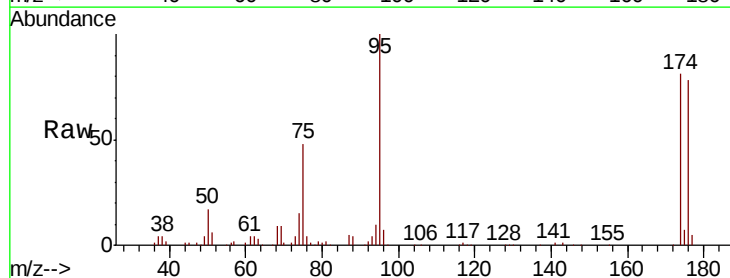
Tgt Ion: 75 Resp: 42529

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

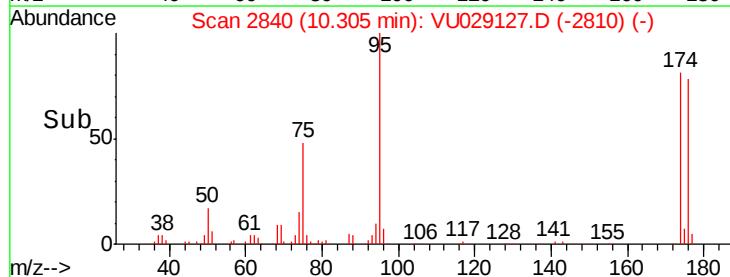
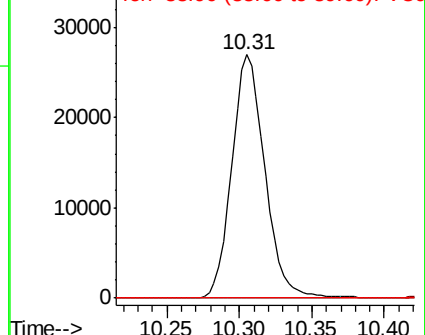
89 0.0 0.0 0.0

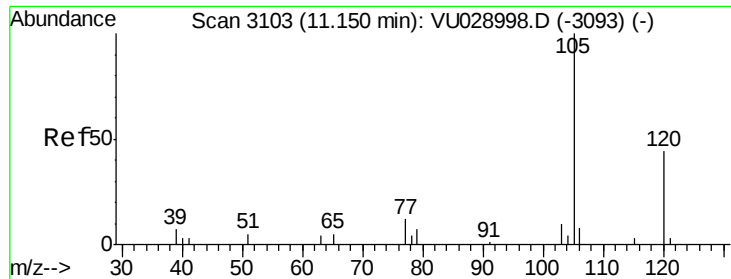


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

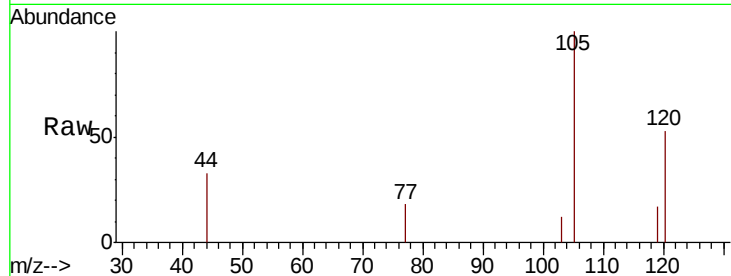




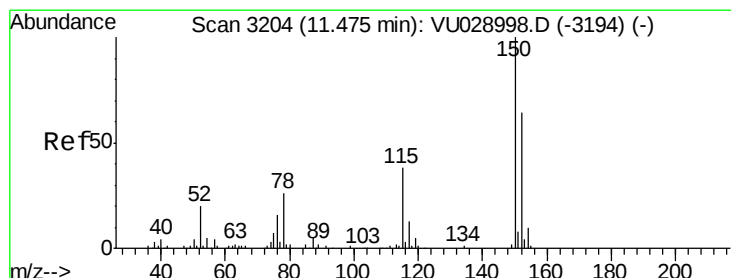
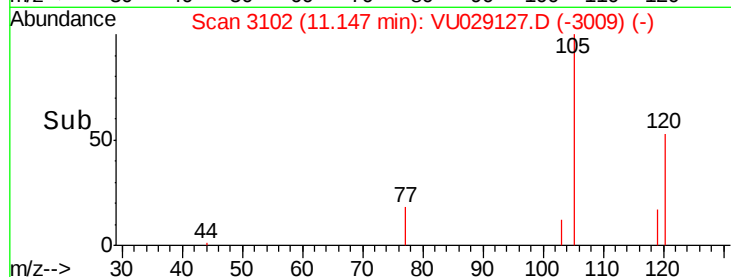
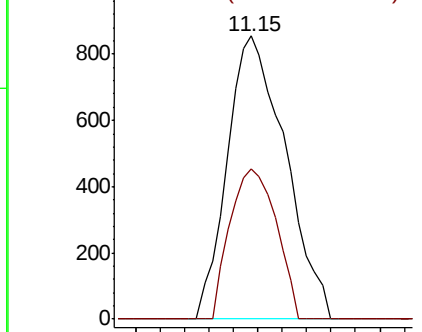
#84
 1,2,4-Trimethylbenzene
 Concen: 0.263 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029127.D
 Acq: 10 Jan 2019 19:06

Instrument :
 MSVOA_U
 ClientSampled :
 CPGP-04

Tgt Ion:105 Resp: 1410
 Ion Ratio Lower Upper
 105 100
 120 42.5 23.1 69.3

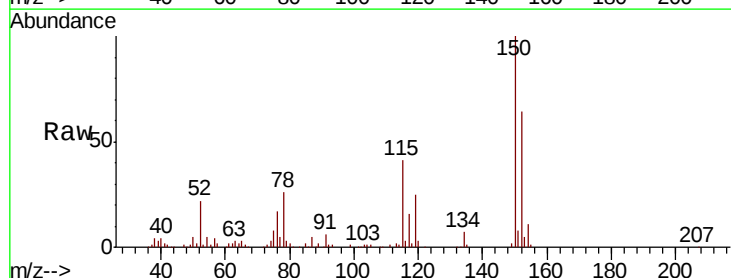


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

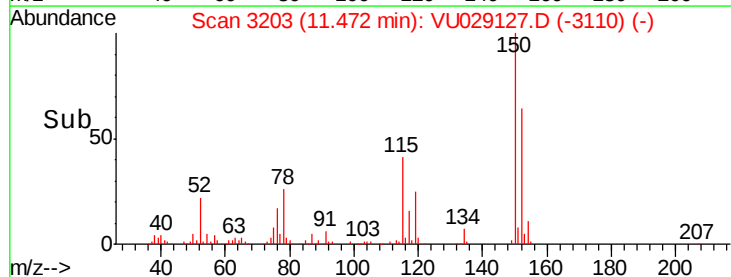
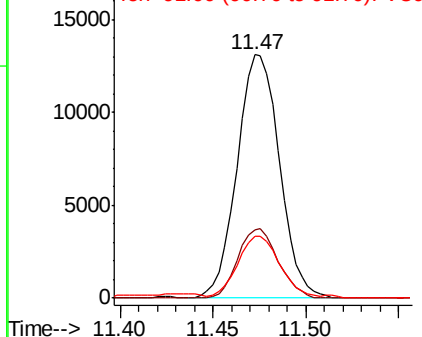


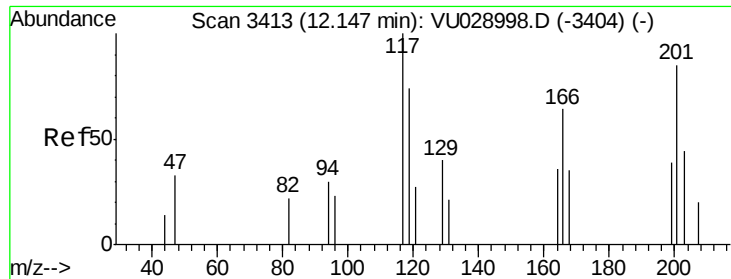
#86
 p-Isopropyltoluene
 Concen: 3.819 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029127.D
 Acq: 10 Jan 2019 19:06

Tgt Ion:119 Resp: 20820
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 25.7 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): VU0





#90

Hexachloroethane

Concen: 0.343 ug/l

RT: 12.25 min Scan# 3445

Delta R.T. 0.11 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

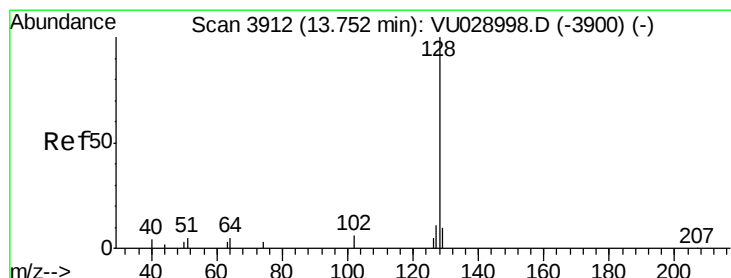
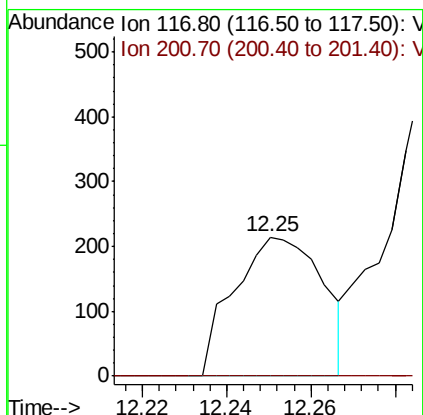
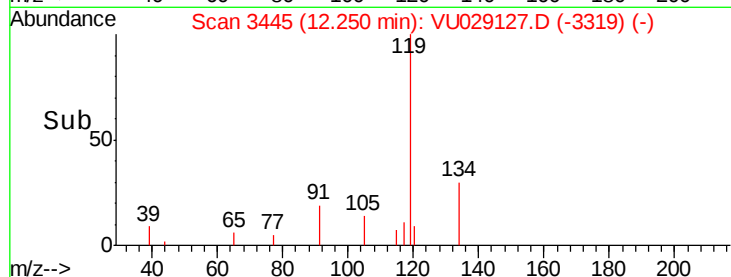
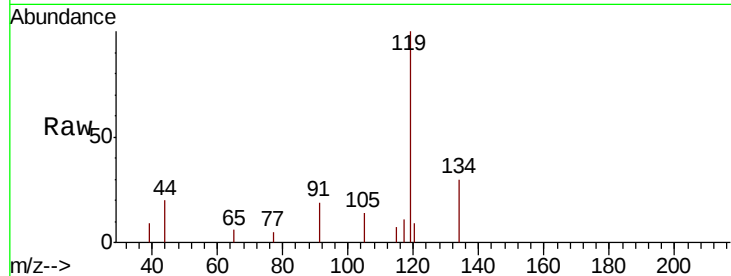
CPGP-04

Tgt Ion:117 Resp: 315

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.3#



#95

Naphthalene

Concen: 2.287 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Tgt Ion:128 Resp: 15369

Ion Ratio Lower Upper

128 100

127 11.7 10.1 15.1

129 10.7 8.5 12.7

