

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029259.D
 Acq On : 21 Jan 2019 19:20
 Operator : JC/SP
 Sample : K1009-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CL-01-011819-D

Quant Time: Jan 22 03:14:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	200017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	77666	55.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.00%	
35) Dibromofluoromethane	4.88	113	67255	51.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.74%	
50) Toluene-d8	7.56	98	261360	51.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	10.30	95	83909	45.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.22%	

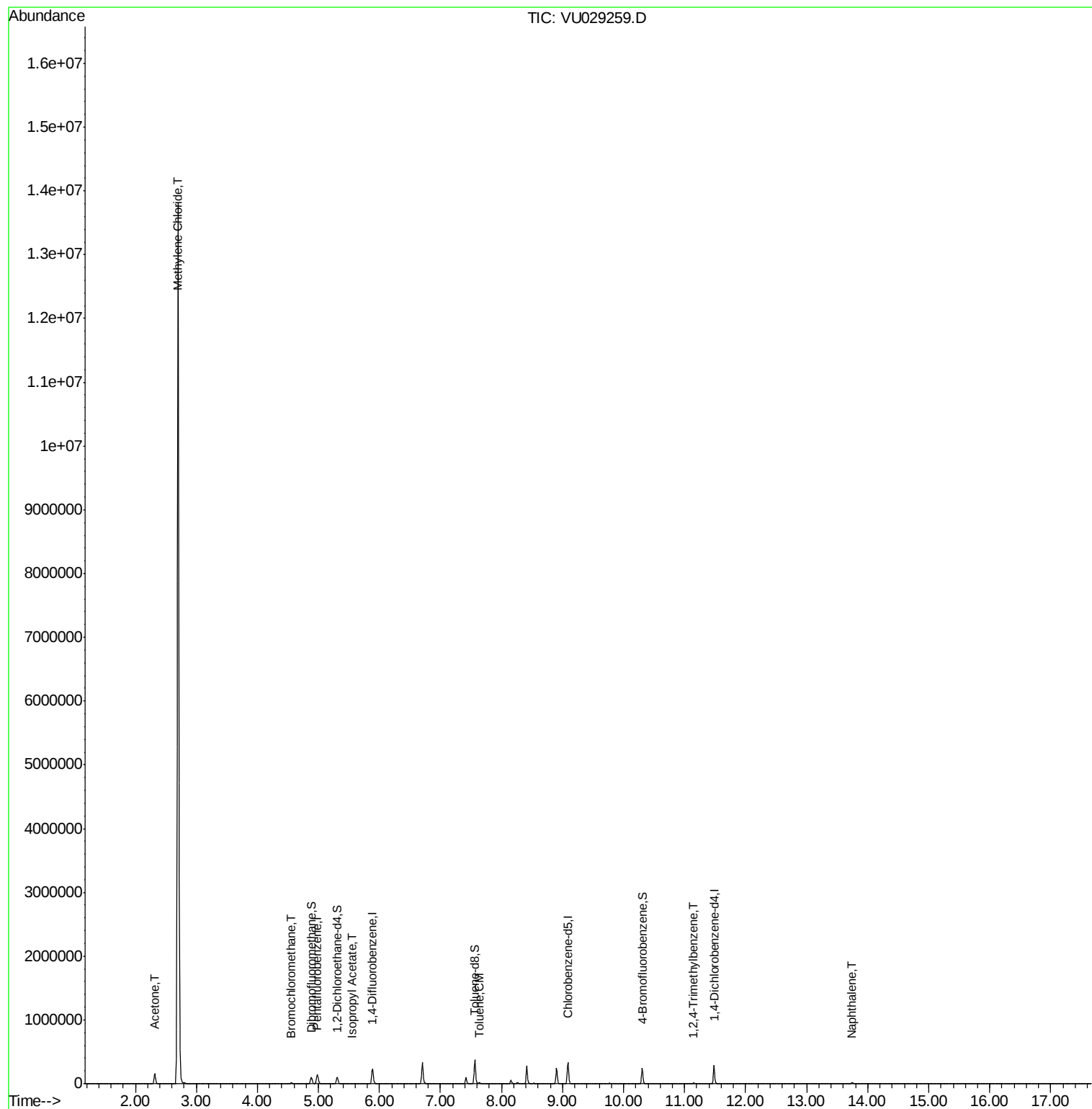
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	161427	181.460	ug/l	97
20) Methylene Chloride	2.70	84	5909538	3912.556	ug/l	97
28) Bromochloromethane	4.55	49	6885	6.483	ug/l #	95
43) Isopropyl Acetate	5.55	43	6457	1.918	ug/l #	84
52) Toluene	7.64	92	8381	2.208	ug/l	95
84) 1,2,4-Trimethylbenzene	11.15	105	6687	1.424	ug/l	95
95) Naphthalene	13.75	128	18096	3.073	ug/l	99

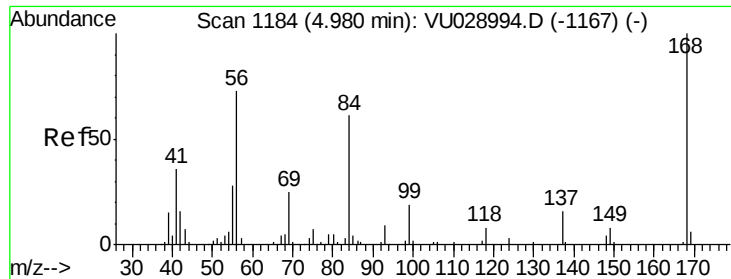
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

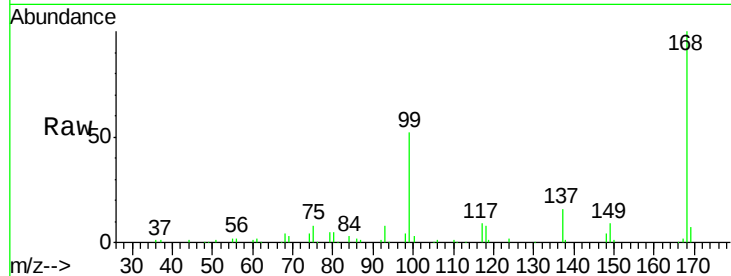
CL-01-011819-D

Tot Ion:168 Resp: 114234

Ion Ratio Lower Upper

168 100

99 51.8 42.0 63.0

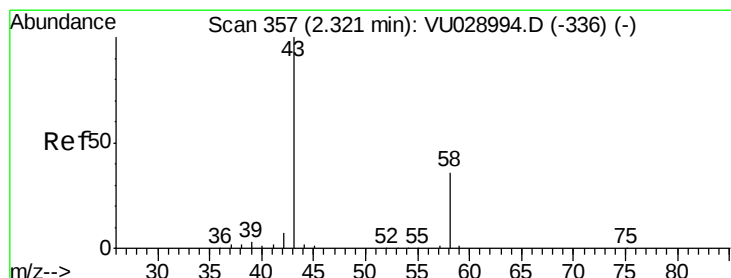
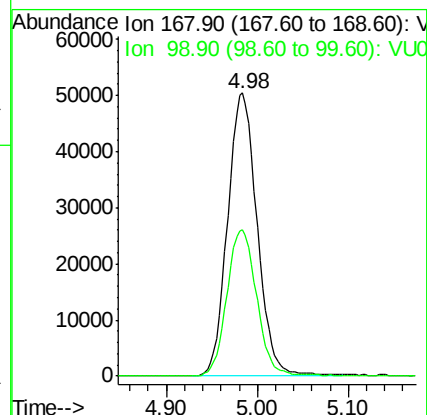
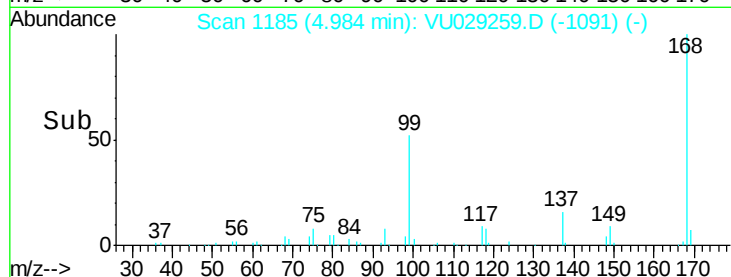


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

Time-->



#16

Acetone

Concen: 181.460 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029259.D

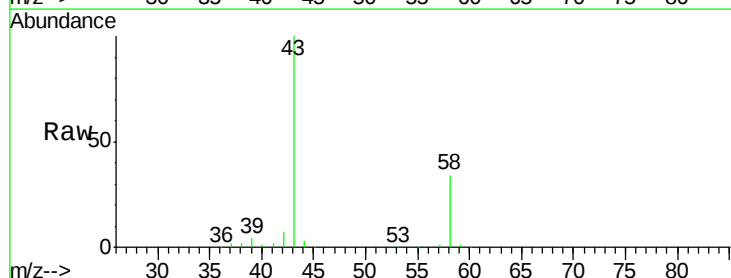
Acq: 21 Jan 2019 19:20

Tgt Ion: 43 Resp: 161427

Ion Ratio Lower Upper

43 100

58 33.8 28.6 42.8

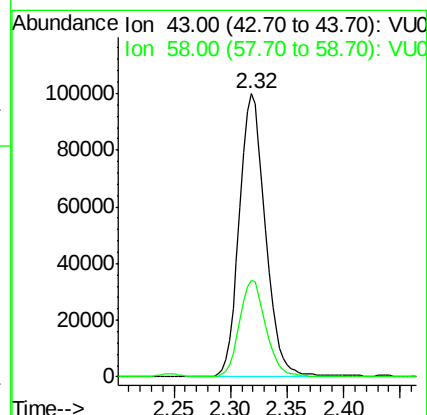
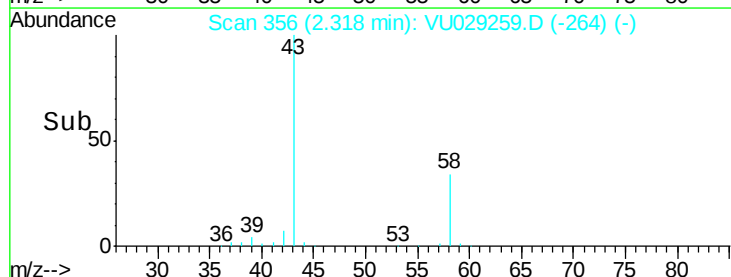


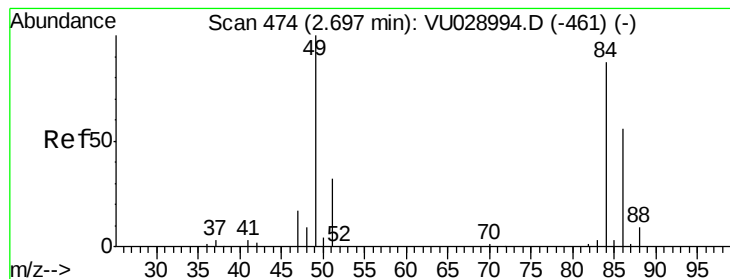
Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

Time-->





#20

Methylene Chloride

Concen: 3912.556 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

CL-01-011819-D

Tot Ion: 84 Resp: 5909538

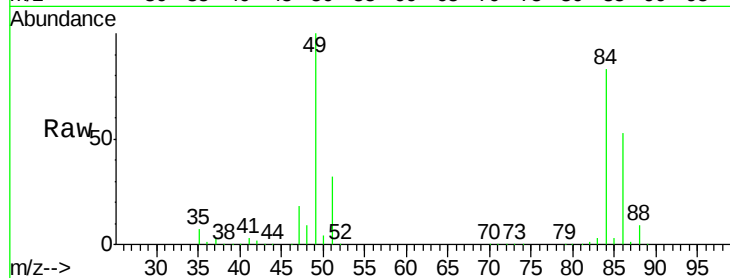
Ion Ratio Lower Upper

84 100

49 120.5 91.9 137.9

51 38.3 29.2 43.8

86 64.3 51.8 77.6

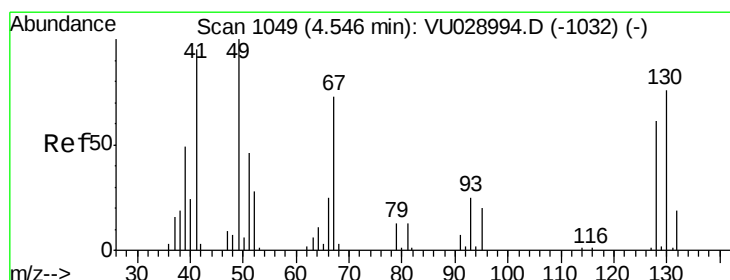
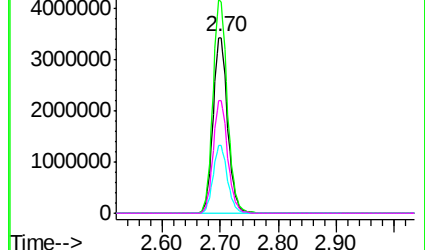
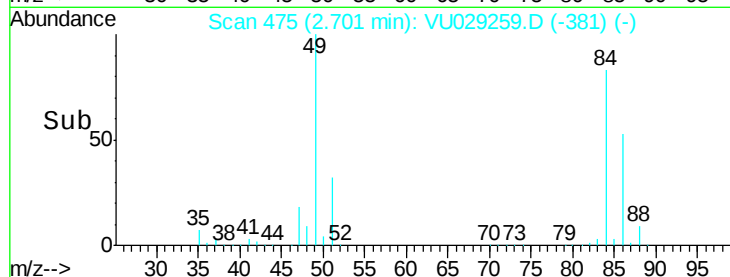


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#28

Bromochloromethane

Concen: 6.483 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

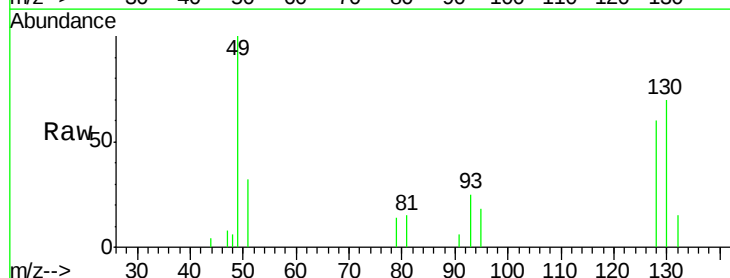
Tgt Ion: 49 Resp: 6885

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

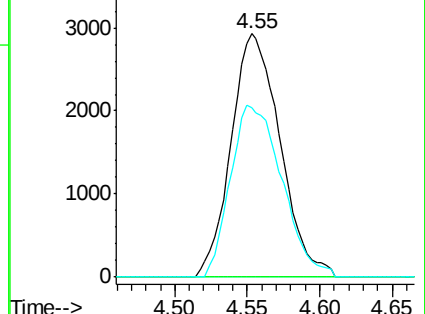
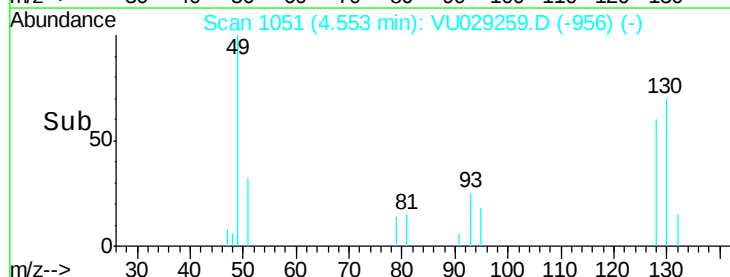
130 74.0 62.9 94.3

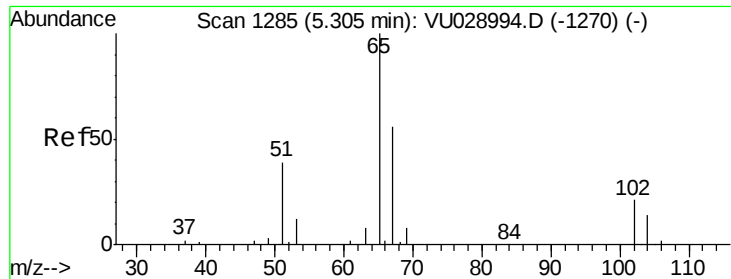


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

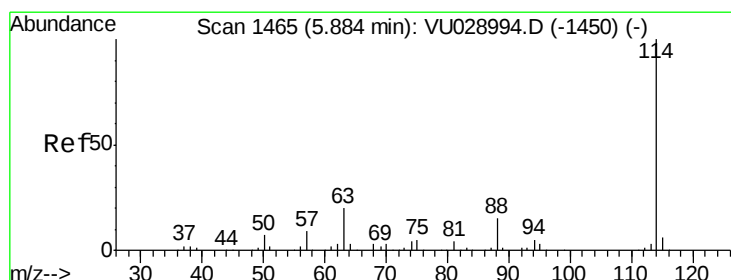
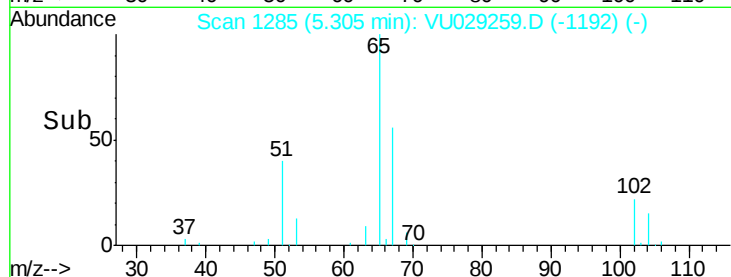
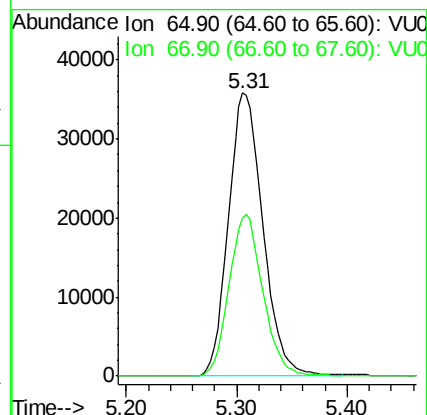
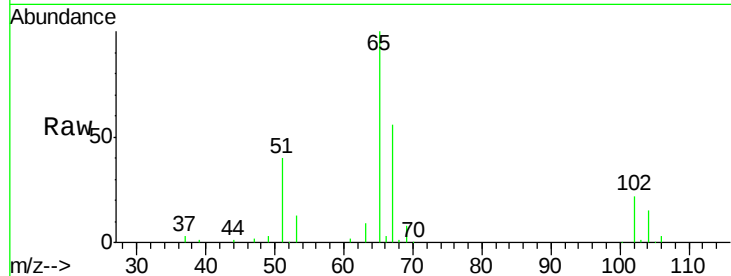




#33
 1,2-Dichloroethane-d4
 Concen: 54.998 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029259.D
 Acq: 21 Jan 2019 19:20

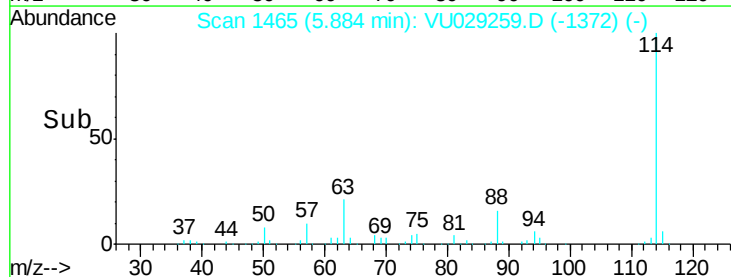
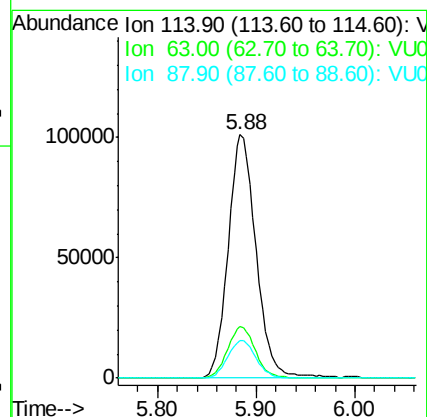
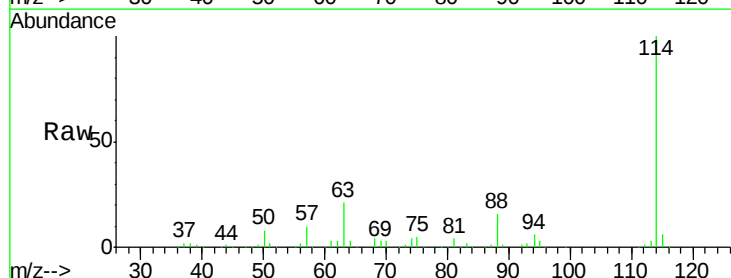
Instrument :
 MSVOA_U
 ClientSampleId :
 CL-01-011819-D

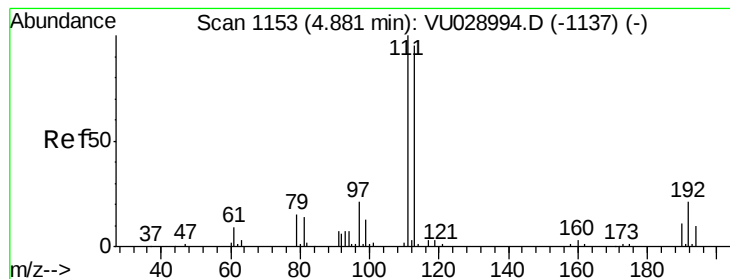
Tot Ion: 65 Resp: 77666
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029259.D
 Acq: 21 Jan 2019 19:20

Tgt Ion: 114 Resp: 200017
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.2
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.872 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

CL-01-011819-D

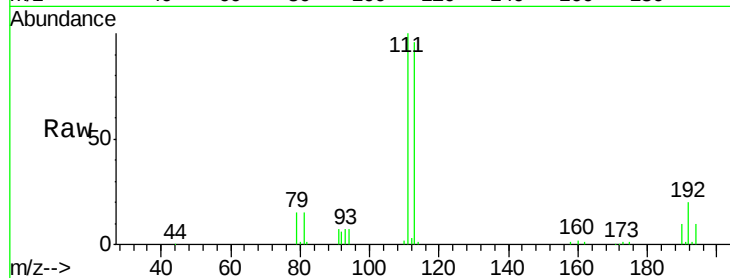
Tot Ion:113 Resp: 67255

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.2

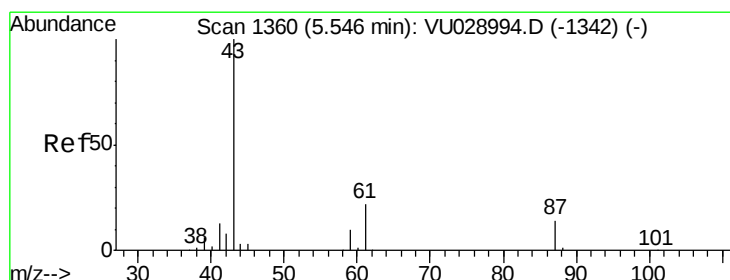
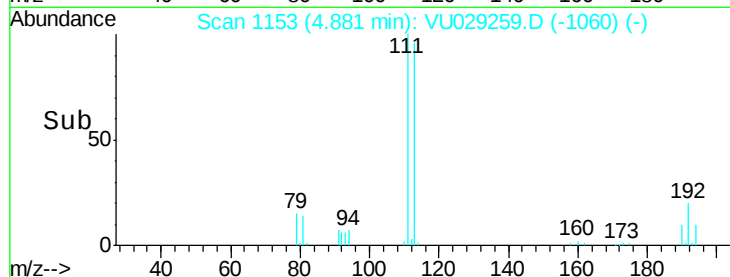
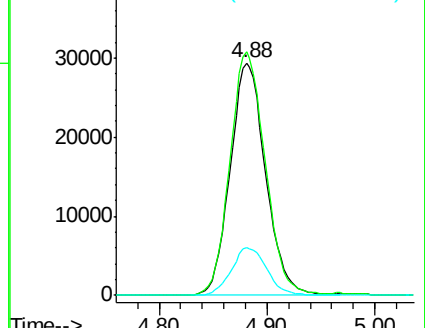
192 20.5 16.8 25.2



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



#43

Isopropyl Acetate

Concen: 1.918 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

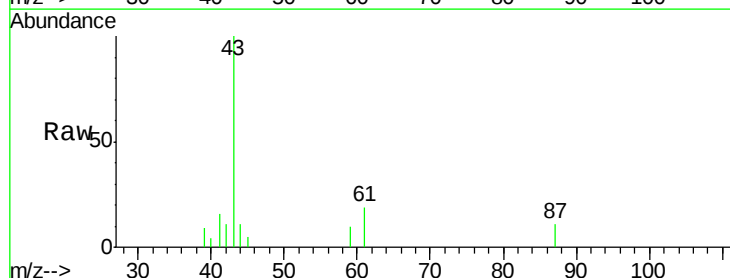
Tgt Ion: 43 Resp: 6457

Ion Ratio Lower Upper

43 100

61 16.7 17.8 26.6#

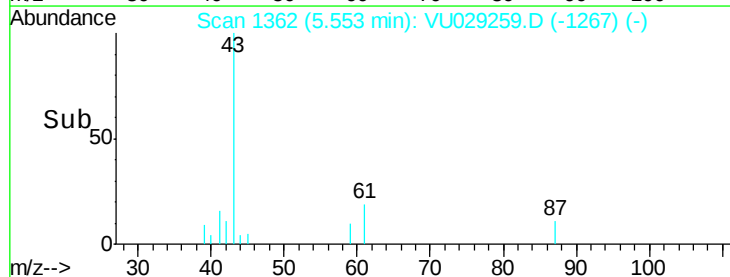
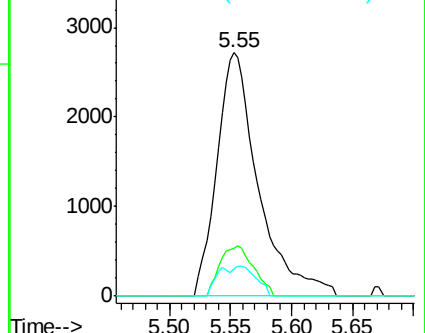
87 4.3 11.3 16.9#

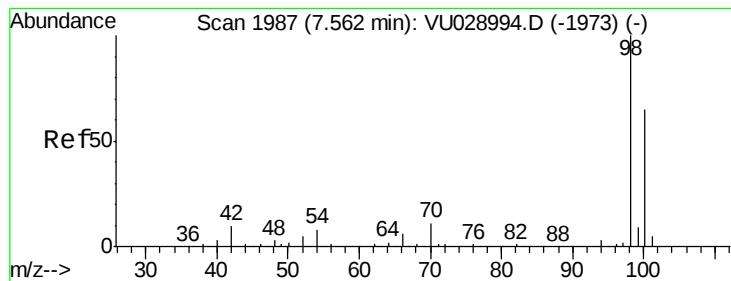


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#50

Toluene-d8

Concen: 51.060 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

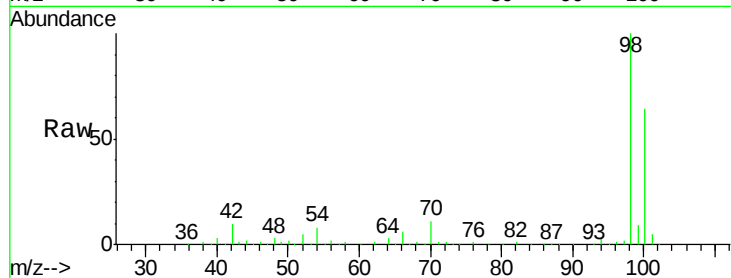
CL-01-011819-D

Tot Ion: 98 Resp: 261360

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

7.56

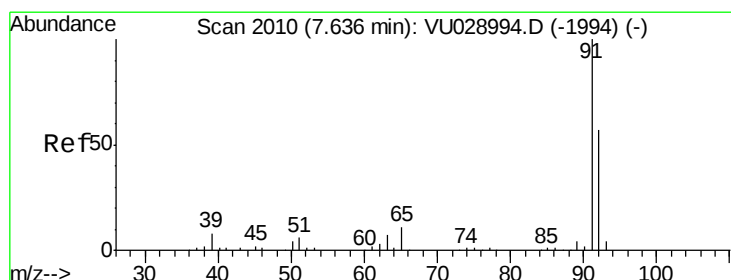
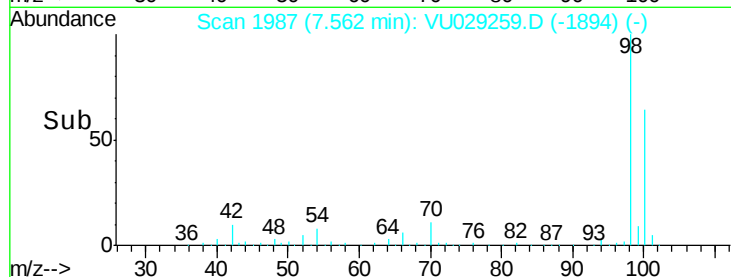
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 2.208 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029259.D

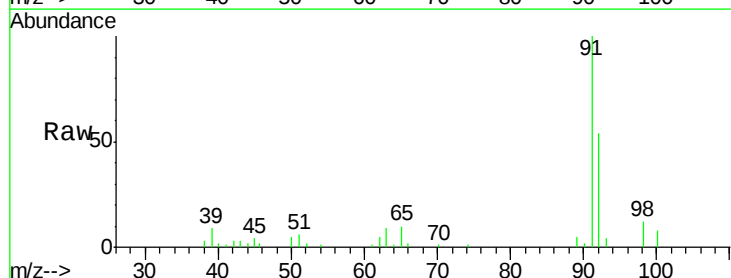
Acq: 21 Jan 2019 19:20

Tgt Ion: 92 Resp: 8381

Ion Ratio Lower Upper

92 100

91 181.9 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028994.D (-1994) (-)

Ion 91.00 (90.70 to 91.70): VU028994.D (-1994) (-)

10000

8000

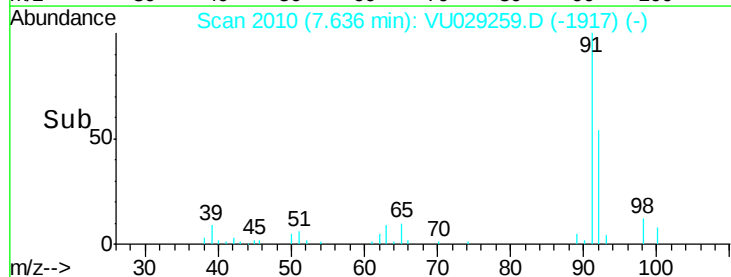
6000

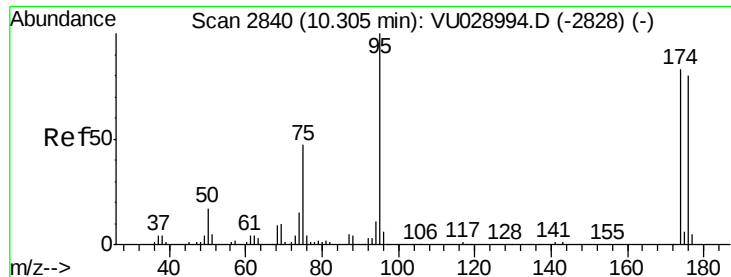
4000

2000

0

Time-->

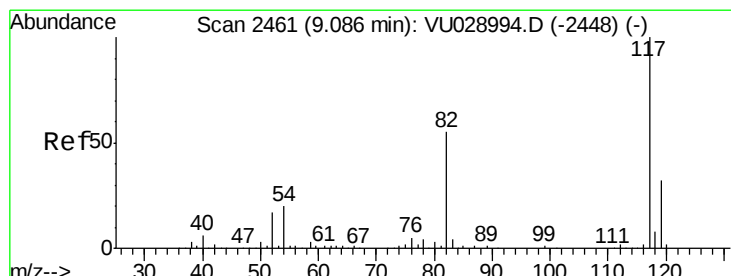
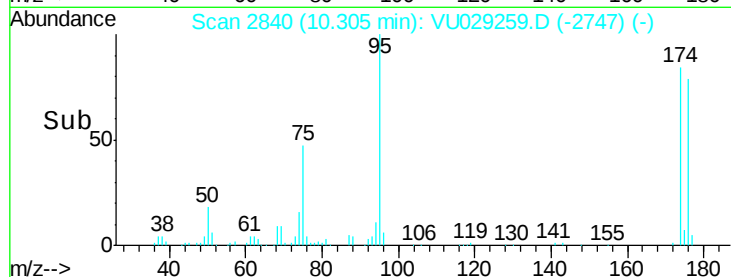
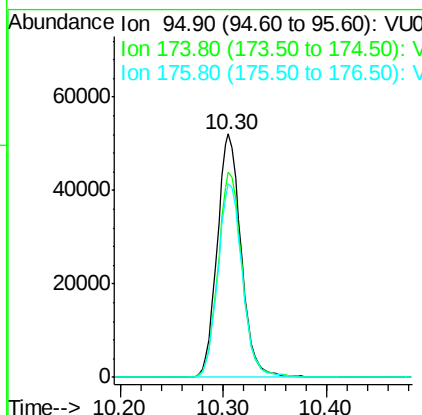
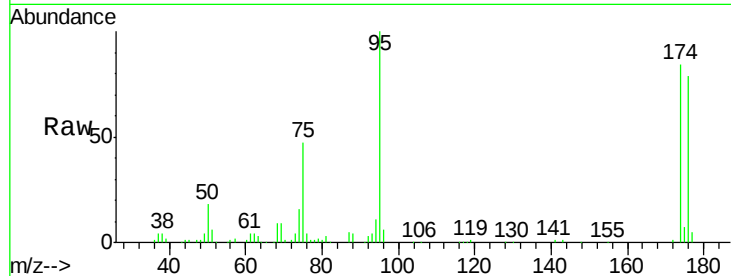




#62
4-Bromofluorobenzene
Concen: 45.614 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029259.D
Acq: 21 Jan 2019 19:20

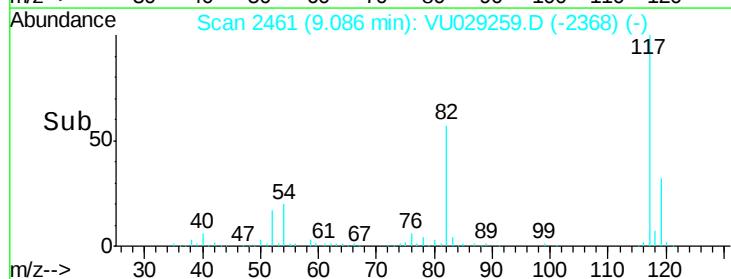
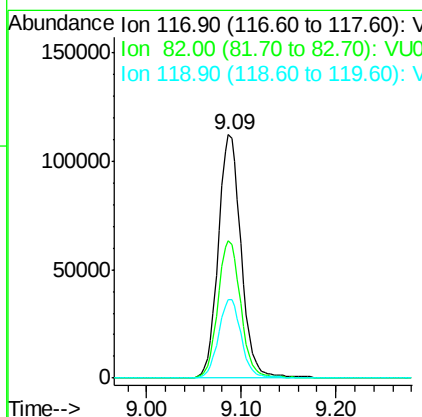
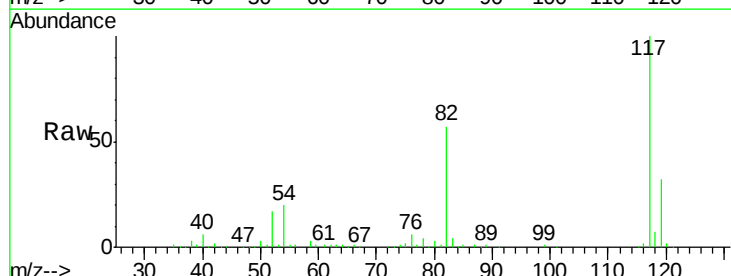
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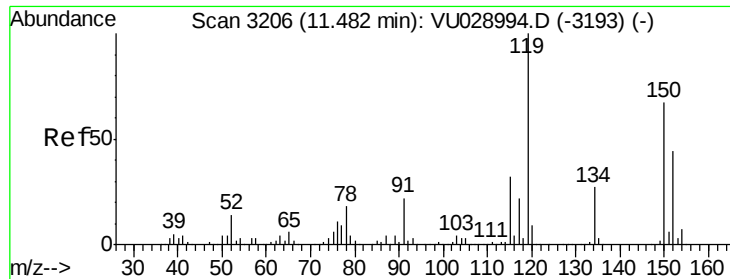
Tot Ion: 95 Resp: 83909
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.6
176 81.4 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029259.D
Acq: 21 Jan 2019 19:20

Tgt Ion: 117 Resp: 188913
Ion Ratio Lower Upper
117 100
82 56.7 43.9 65.9
119 32.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029259.D

Acq: 21 Jan 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

CL-01-011819-D

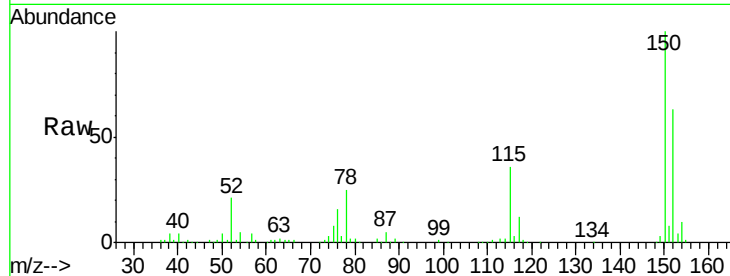
Tot Ion:152 Resp: 76098

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

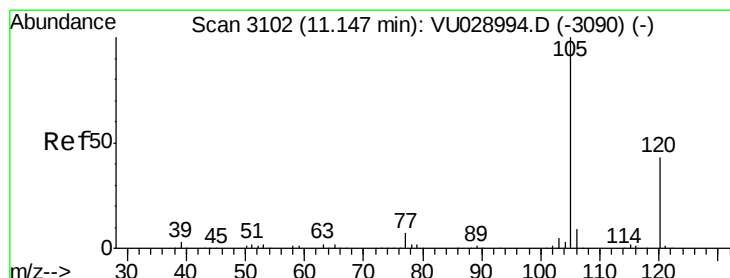
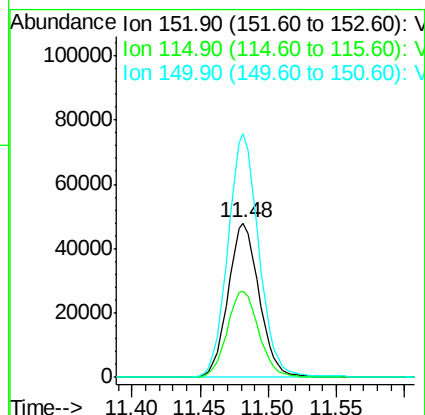
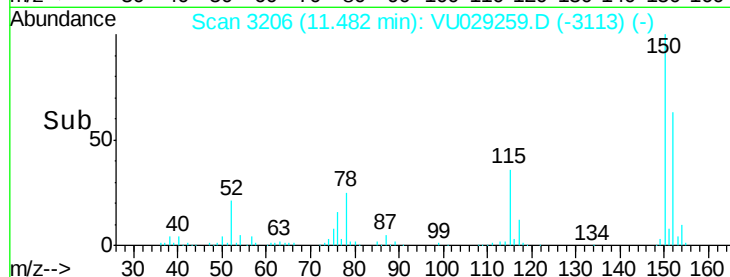
150 157.2 0.0 345.2



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



#84

1,2,4-Trimethylbenzene

Concen: 1.424 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU029259.D

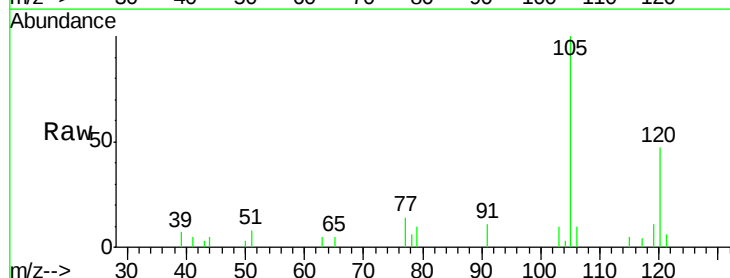
Acq: 21 Jan 2019 19:20

Tgt Ion:105 Resp: 6687

Ion Ratio Lower Upper

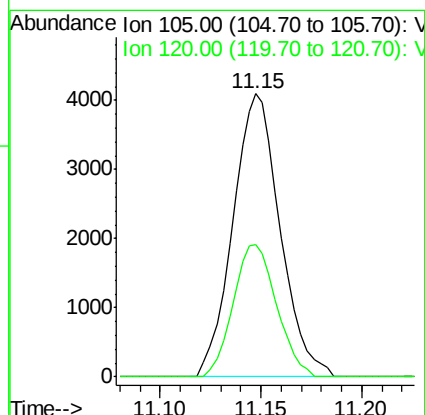
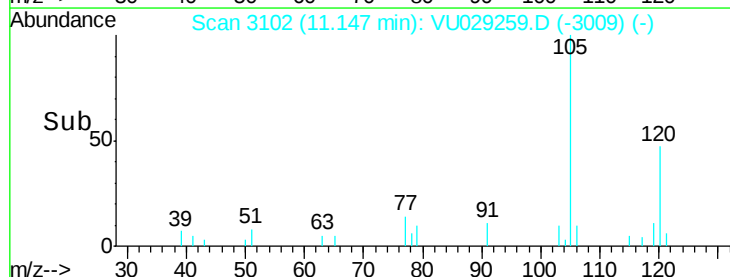
105 100

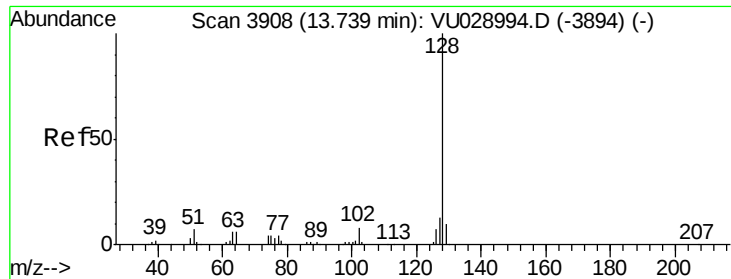
120 43.0 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 3.073 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.01 min
 Lab File: VU029259.D
 Acq: 21 Jan 2019 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 CL-01-011819-D

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	9.9	8.5	12.7

