

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083019\
 Data File : VU034068.D
 Acq On : 29 Aug 2019 17:36
 Operator : JC/SP
 Sample : K4620-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-06-082919

Quant Time: Aug 30 04:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

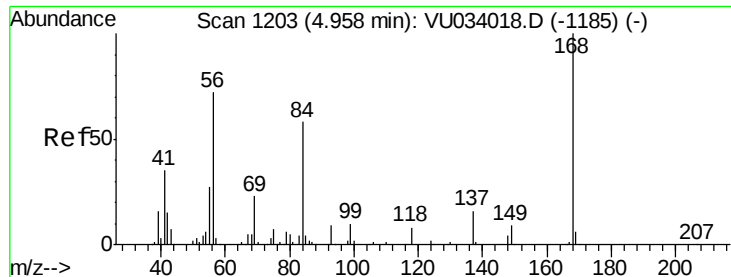
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	466068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	733105	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	703156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	349806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	294047	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	4.86	113	243009	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	7.55	98	929017	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	10.29	95	325766	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	985	Below Cal	#	80
5) Bromomethane	1.59	94	69	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	279	0.203	ug/l #	73
16) Acetone	2.31	43	6631	2.176	ug/l	98
20) Methylene Chloride	2.69	84	1817	0.315	ug/l #	94
31) Cyclohexane	4.96	56	8452	0.948	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33306	4.803	ug/l #	49
38) Carbon Tetrachloride	4.96	117	41869	6.255	ug/l #	15
76) 1,2,3-Trichloropropane	10.29	75	156961	19.909	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	156961	67.038	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.58	180	323	1.155	ug/l #	32
95) Naphthalene	13.78	128	471	1.811	ug/l #	70

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

```
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Acq On    : 29 Aug 2019   17:36
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Sample    : K4620-20
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 18   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

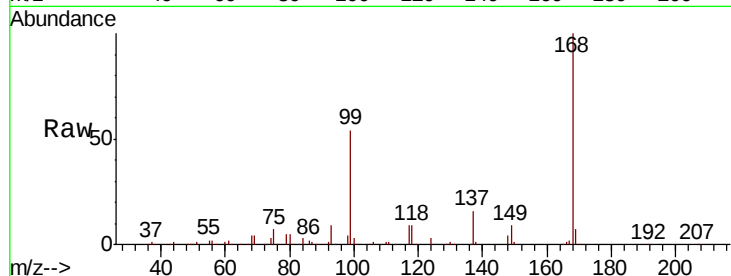
TB-06-082919

Tgt Ion:168 Resp: 466068

Ion Ratio Lower Upper

168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034068.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034068.D (-1185) (-)

4.96

200000

150000

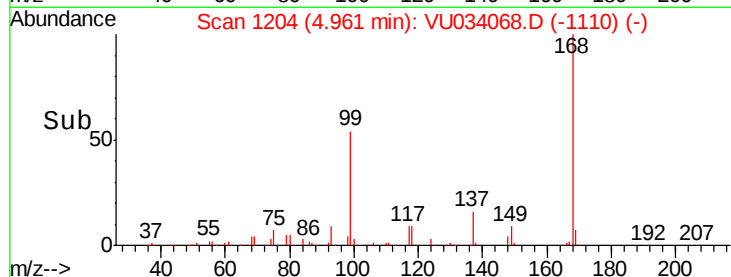
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034068.D

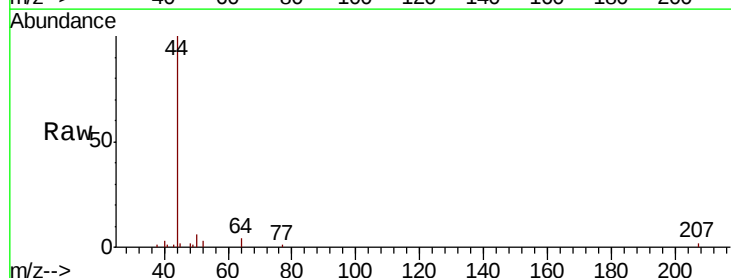
Acq: 29 Aug 2019 17:36

Tgt Ion: 50 Resp: 985

Ion Ratio Lower Upper

50 100

52 44.3 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034068.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034068.D (-1) (-)

1.33

600

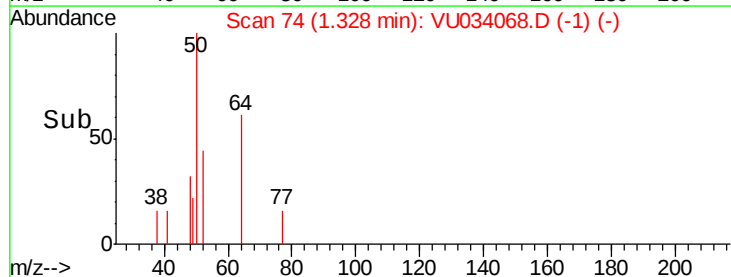
400

200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

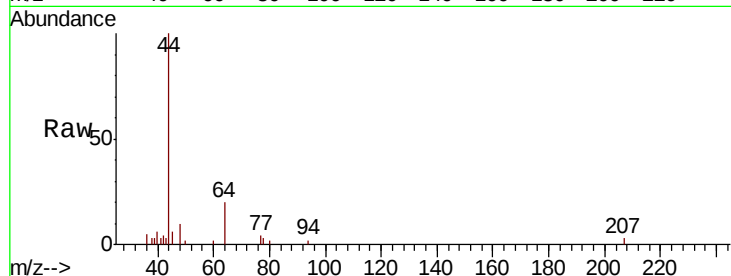
TB-06-082919

Tgt Ion: 94 Resp: 69

Ion Ratio Lower Upper

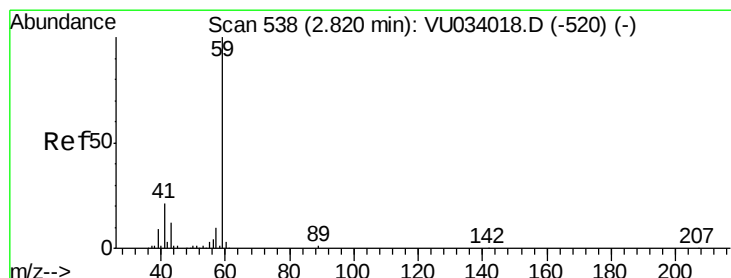
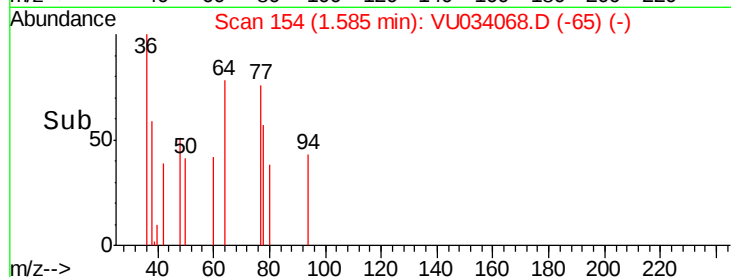
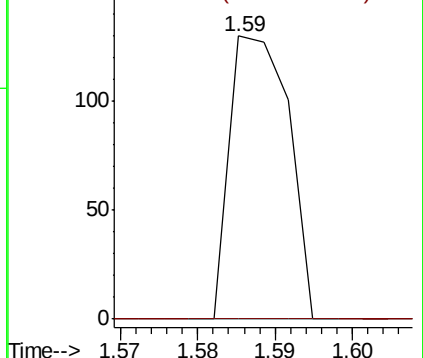
94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034068.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034068.D (-143) (-)



#11

Tert butyl alcohol

Concen: 0.203 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034068.D

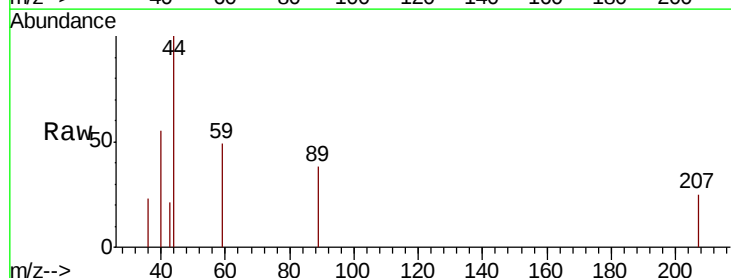
Acq: 29 Aug 2019 17:36

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

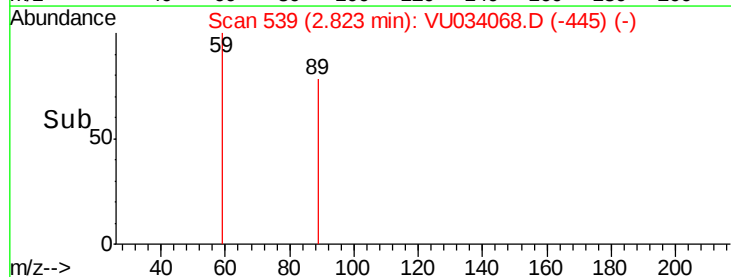
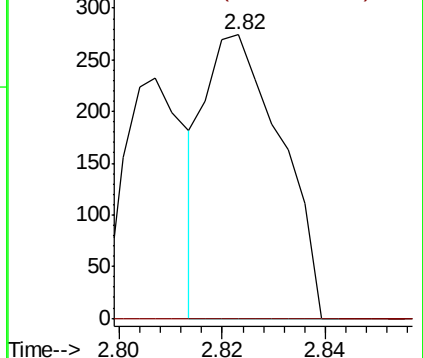
59 100

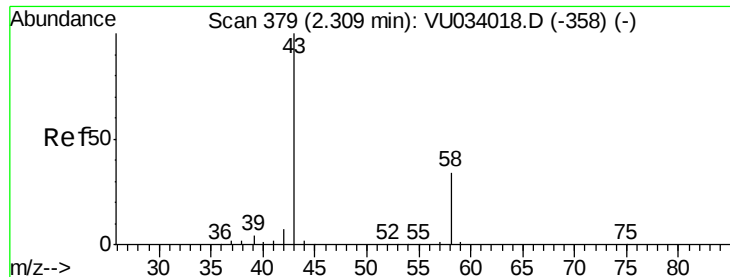
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034068.D (-520) (-)

Ion 57.00 (56.70 to 57.70): VU034068.D (-520) (-)





#16

Acetone

Concen: 2.176 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

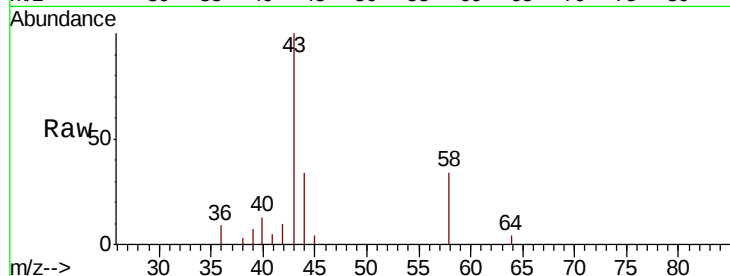
TB-06-082919

Tgt Ion: 43 Resp: 6631

Ion Ratio Lower Upper

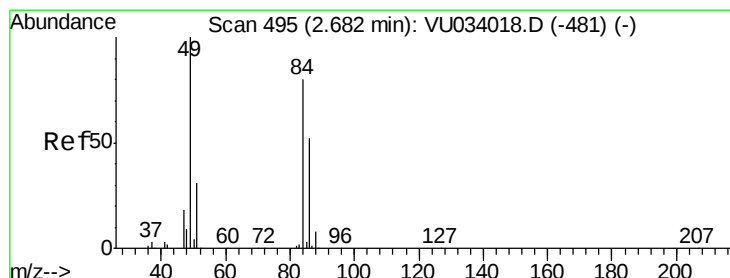
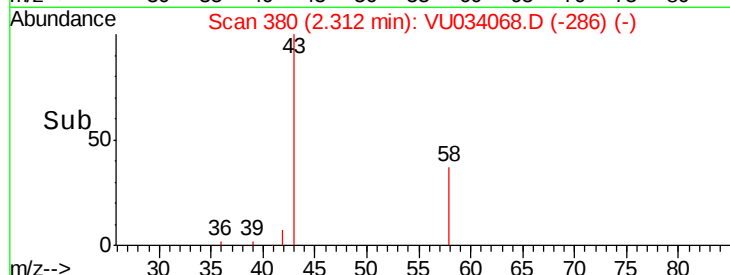
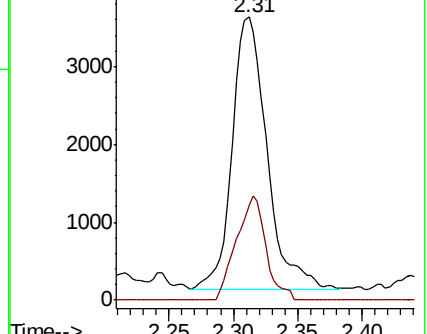
43 100

58 34.9 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034068.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034068.D (-358) (-)



#20

Methylene Chloride

Concen: 0.315 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.01 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Tgt Ion: 84 Resp: 1817

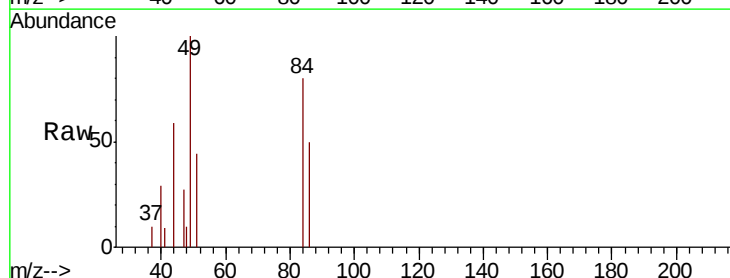
Ion Ratio Lower Upper

84 100

49 125.4 100.2 150.4

51 55.2 30.8 46.2#

86 62.6 52.5 78.7

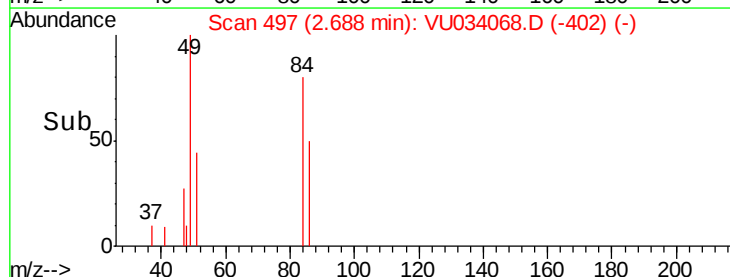
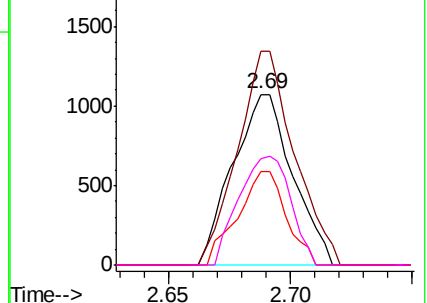


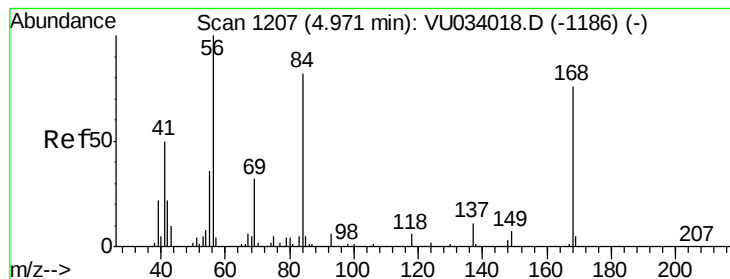
Abundance Ion 83.90 (83.60 to 84.60): VU034068.D (-402) (-)

Ion 48.90 (48.60 to 49.60): VU034068.D (-402) (-)

Ion 50.90 (50.60 to 51.60): VU034068.D (-402) (-)

Ion 85.90 (85.60 to 86.60): VU034068.D (-402) (-)





#31

Cyclohexane

Concen: 0.948 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

TB-06-082919

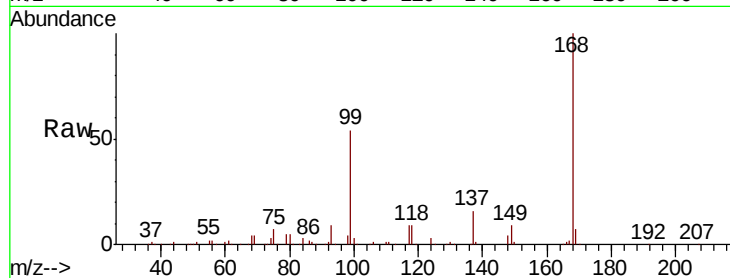
Tgt Ion: 56 Resp: 8452

Ion Ratio Lower Upper

56 100

69 193.9 25.4 38.0#

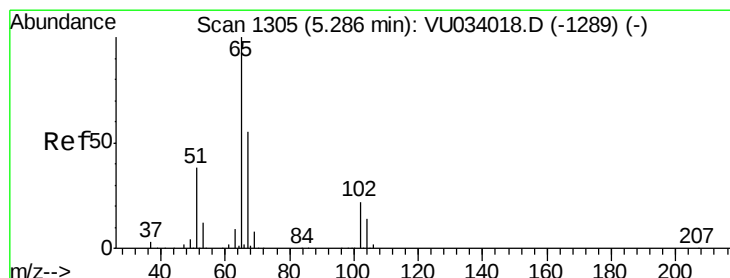
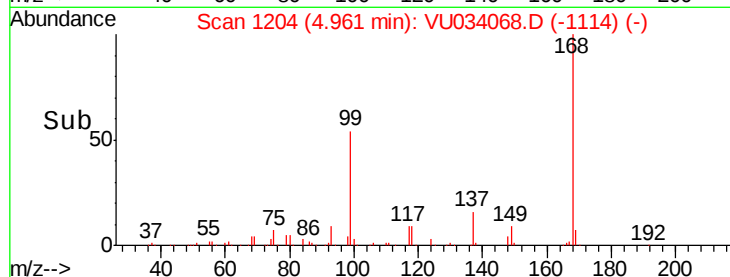
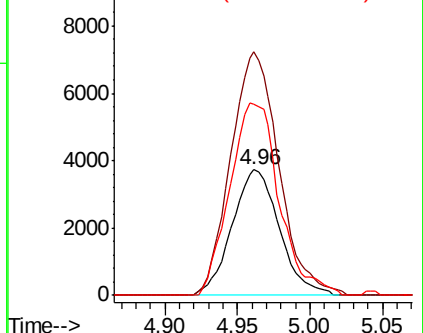
84 152.5 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU034068.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU034068.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU034068.D (-1186) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.238 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034068.D

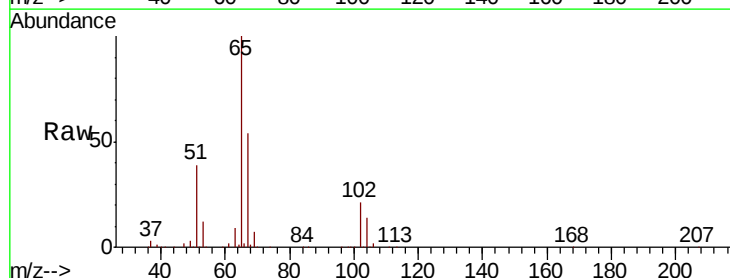
Acq: 29 Aug 2019 17:36

Tgt Ion: 65 Resp: 294047

Ion Ratio Lower Upper

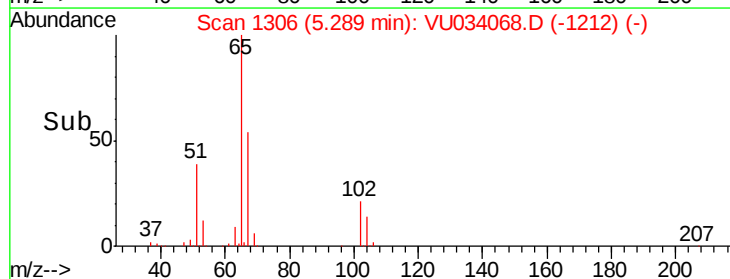
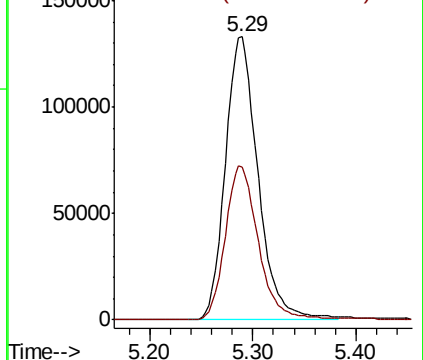
65 100

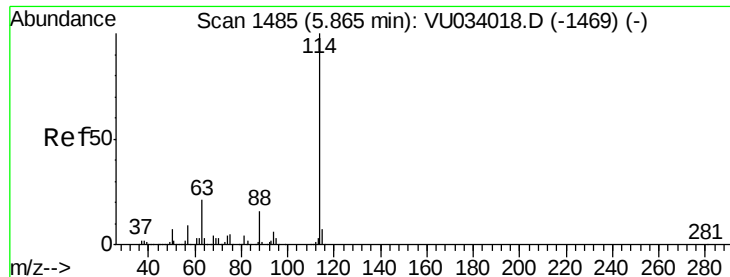
67 54.6 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034068.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034068.D (-1212) (-)

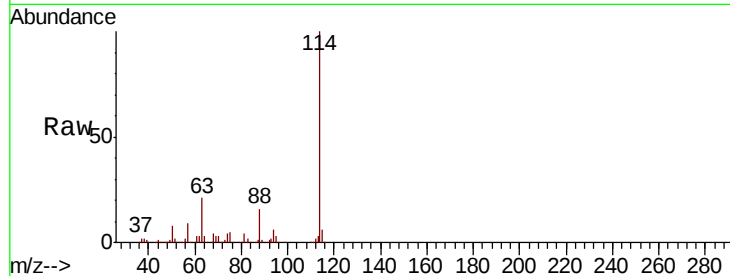




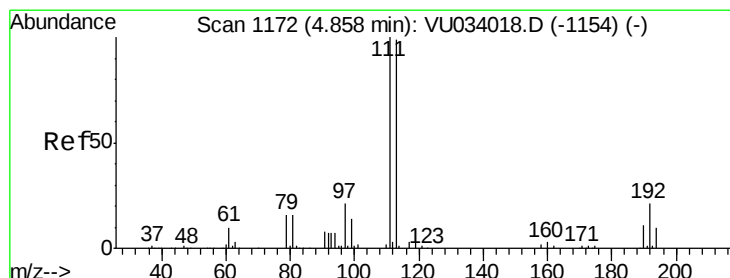
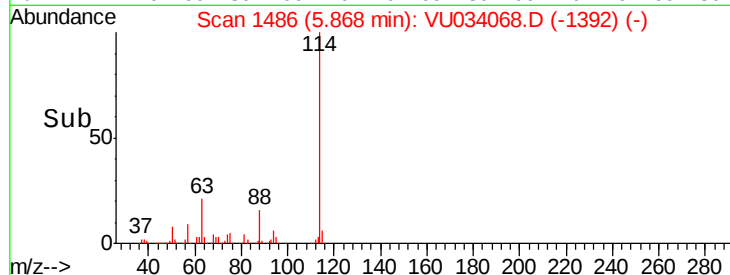
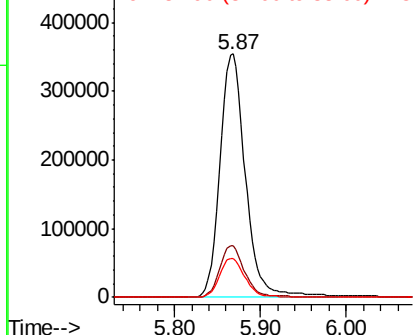
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034068.D
 Acq: 29 Aug 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-06-082919

Tgt Ion:	114	Resp:	733105
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.0
88	16.1	0.0	32.0

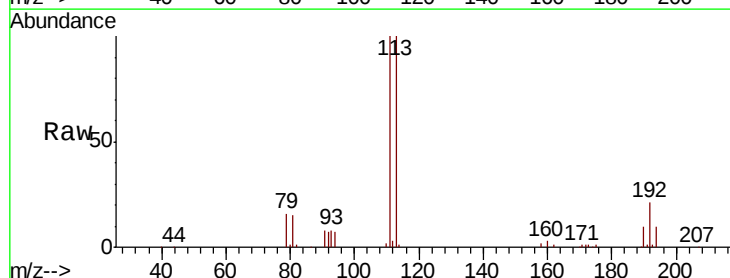


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

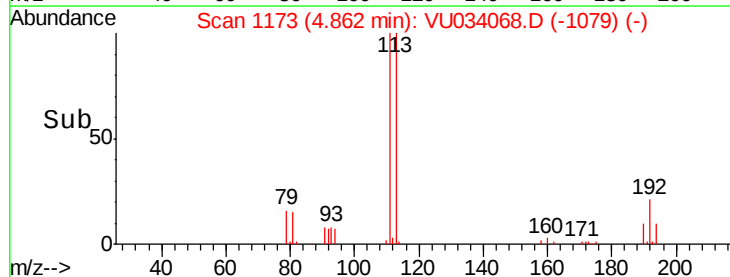
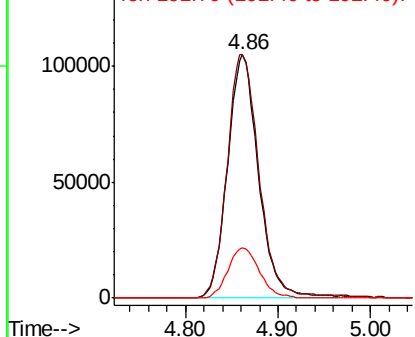


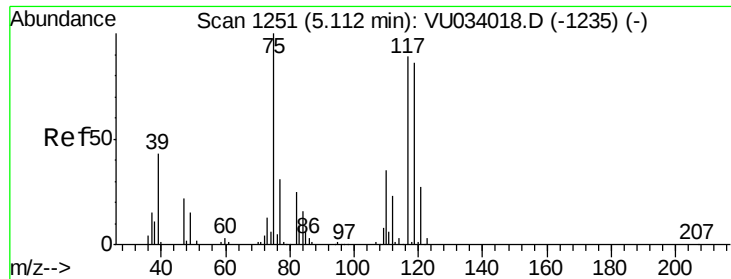
#35
 Dibromofluoromethane
 Concen: 47.792 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034068.D
 Acq: 29 Aug 2019 17:36

Tgt Ion:	113	Resp:	243009
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.7	122.5
192	21.1	17.1	25.7



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

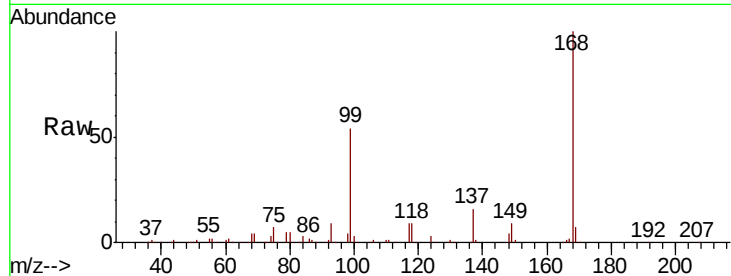




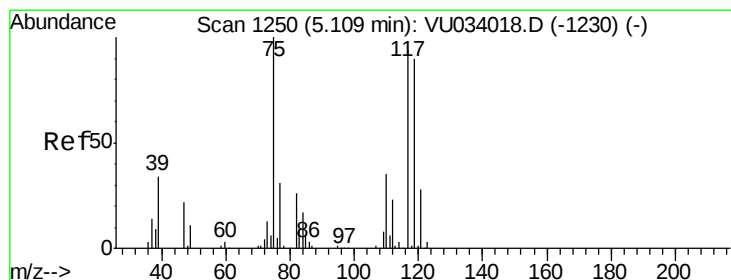
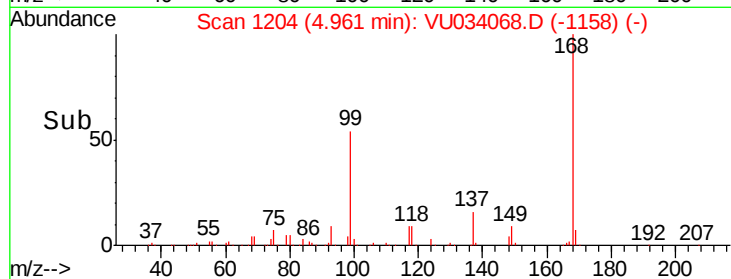
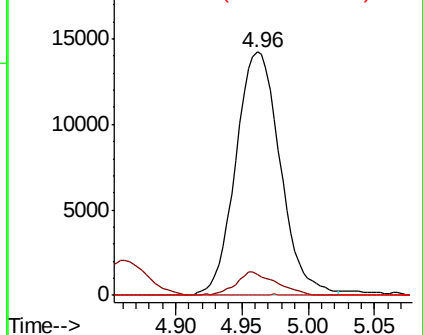
#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034068.D
 Acq: 29 Aug 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-06-082919

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.1	25.0	37.4#

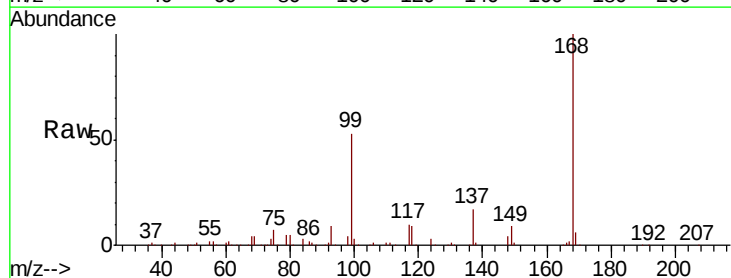


Abundance Ion 74.90 (74.60 to 75.60): VU034068.D (-1158) (-)

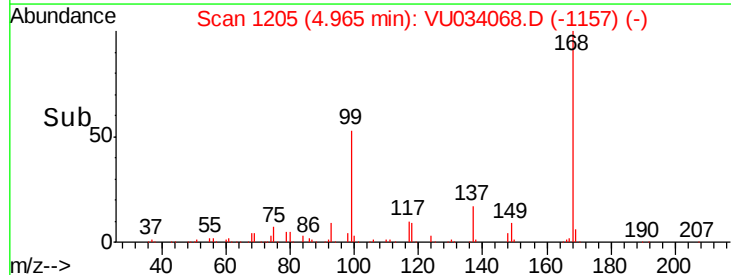
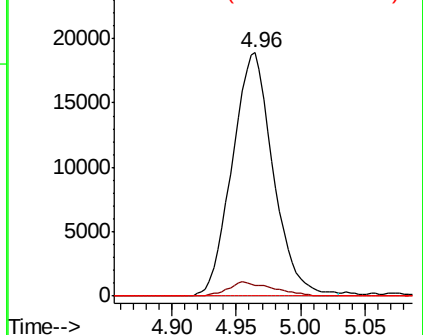


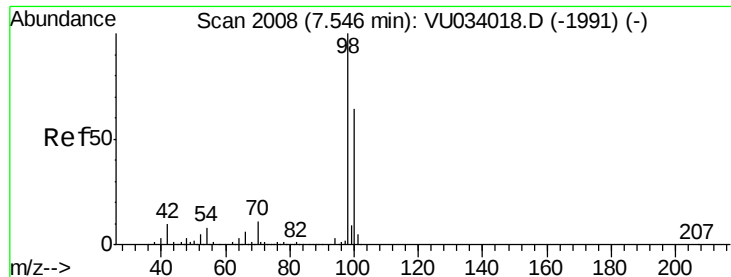
#38
 Carbon Tetrachloride
 Concen: 6.255 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.14 min
 Lab File: VU034068.D
 Acq: 29 Aug 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.0	115.4#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VU034068.D (-1157) (-)





#50

Toluene-d8

Concen: 48.795 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

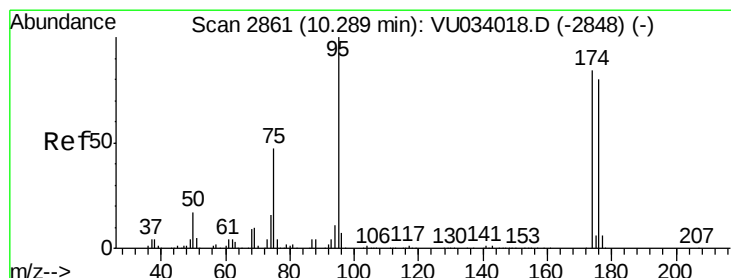
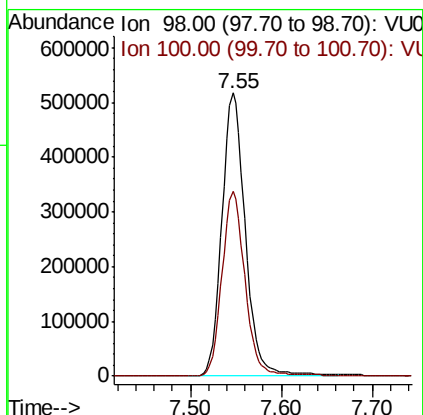
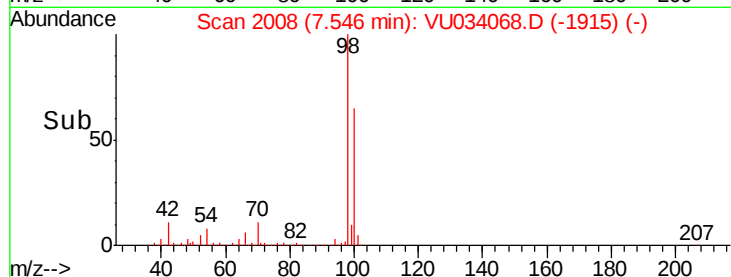
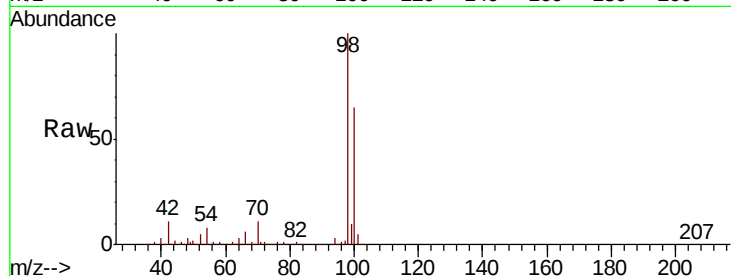
TB-06-082919

Tgt Ion: 98 Resp: 929017

Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 43.986 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

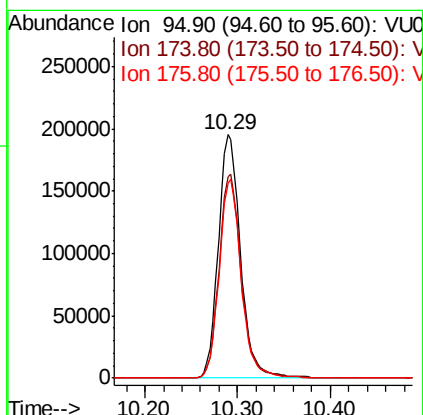
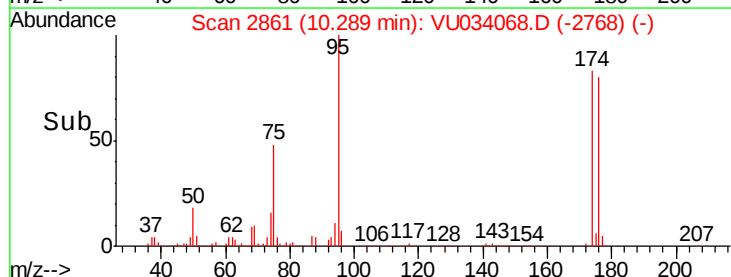
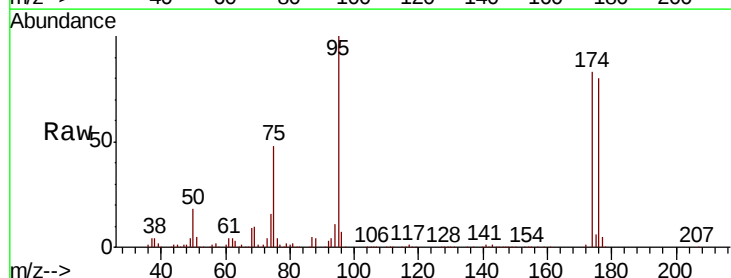
Tgt Ion: 95 Resp: 325766

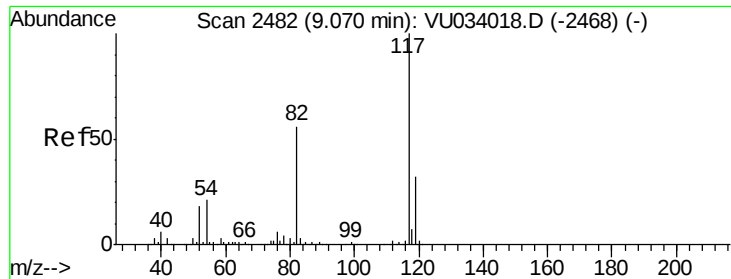
Ion Ratio Lower Upper

95 100

174 83.8 0.0 168.8

176 80.5 0.0 161.8

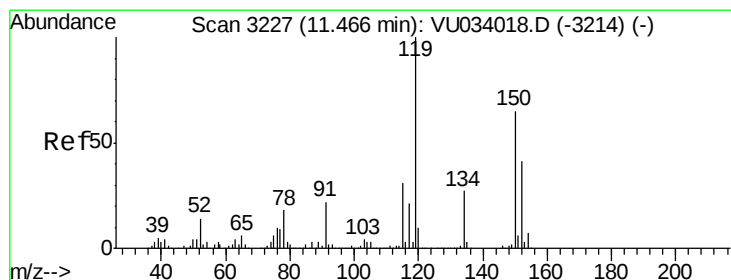
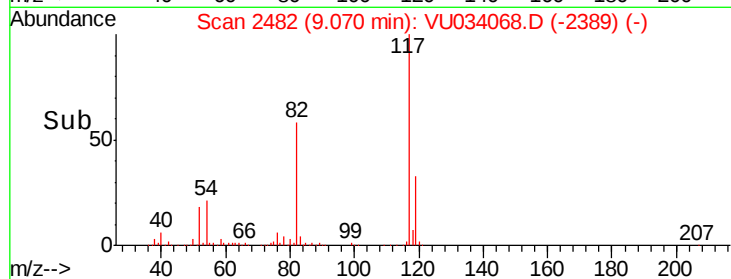
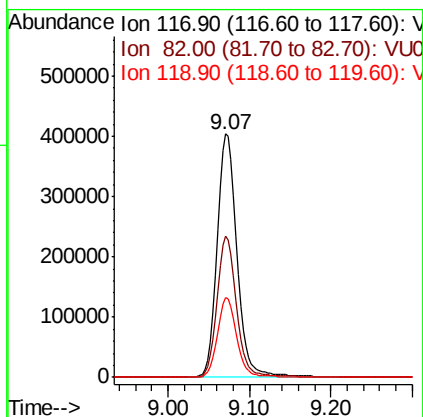
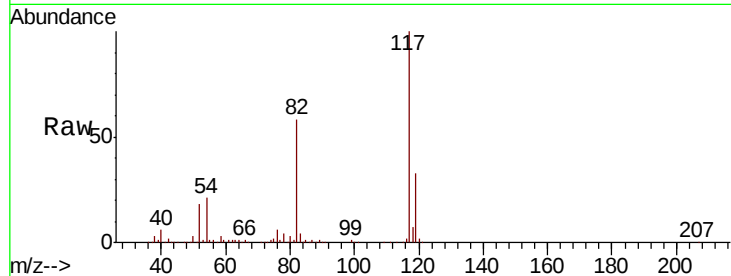




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034068.D
Acq: 29 Aug 2019 17:36

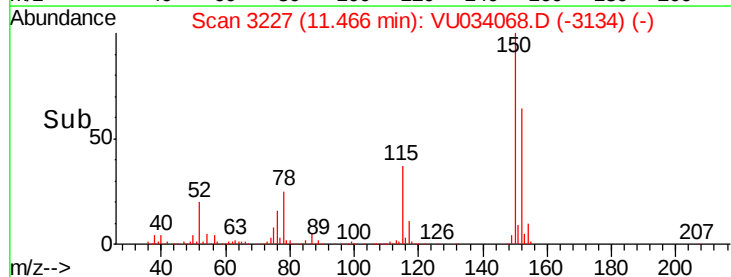
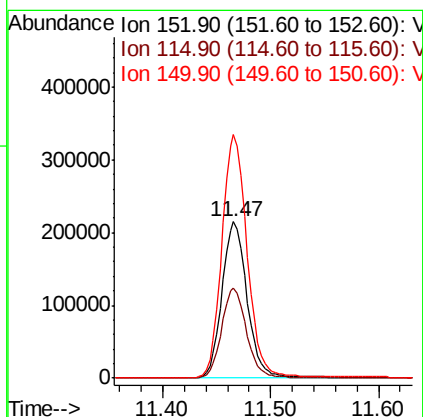
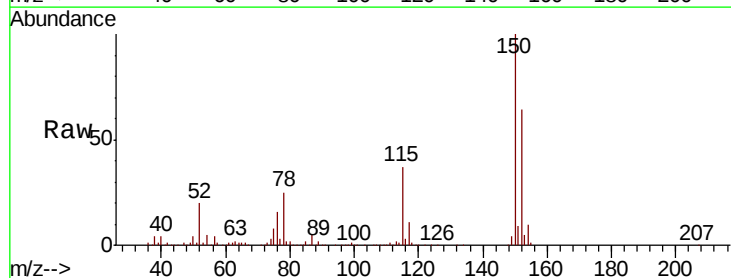
Instrument :
MSVOA_U
ClientSampleId :
TB-06-082919

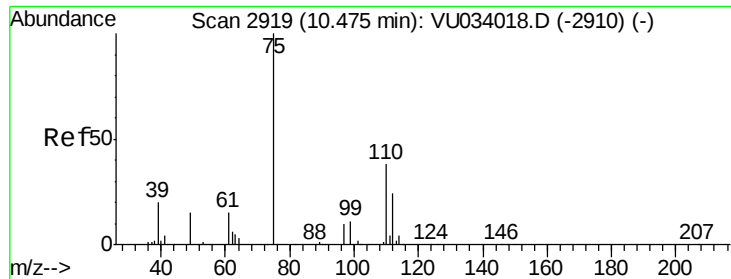
Tgt Ion:117 Resp: 703156
Ion Ratio Lower Upper
117 100
82 58.0 45.1 67.7
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034068.D
Acq: 29 Aug 2019 17:36

Tgt Ion:152 Resp: 349806
Ion Ratio Lower Upper
152 100
115 56.9 41.1 123.3
150 157.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 19.909 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

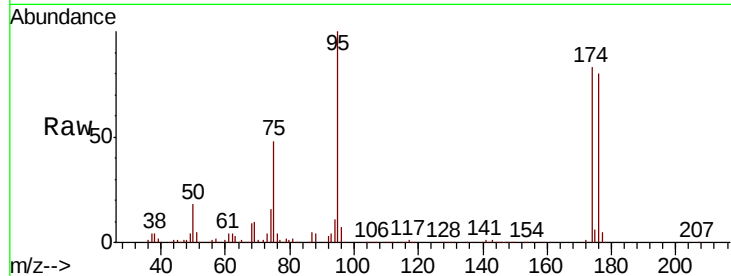
TB-06-082919

Tgt Ion: 75 Resp: 156961

Ion Ratio Lower Upper

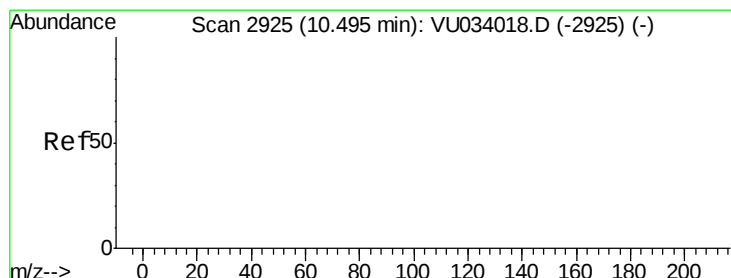
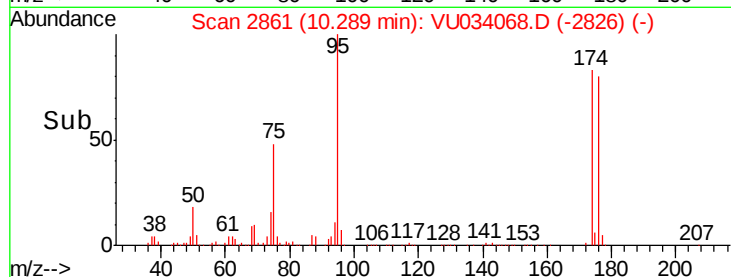
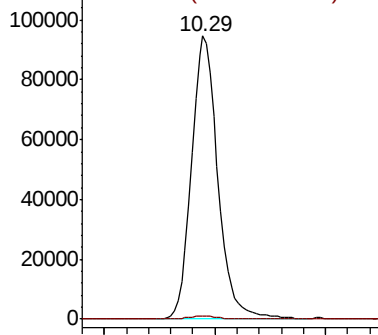
75 100

77 1.3 20.1 60.2#



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: 67.038 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

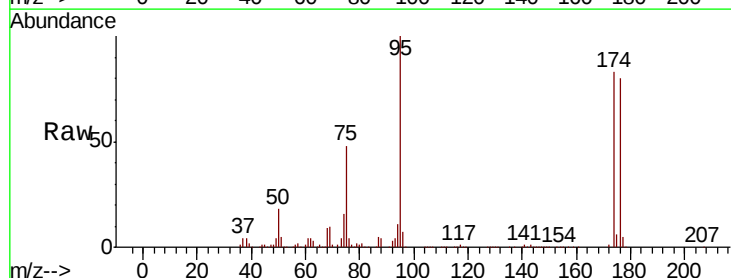
Tgt Ion: 75 Resp: 156961

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

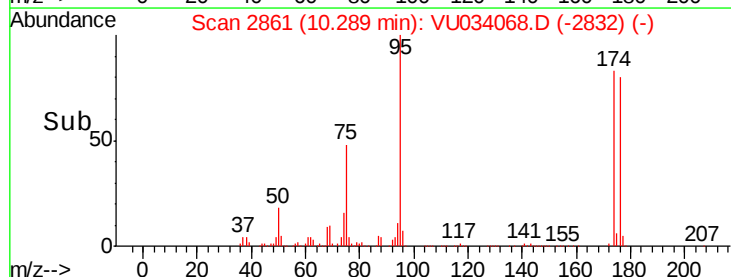
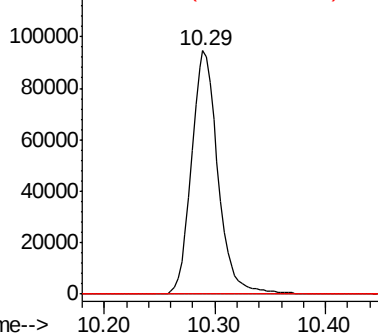
89 0.0 0.0 0.0#

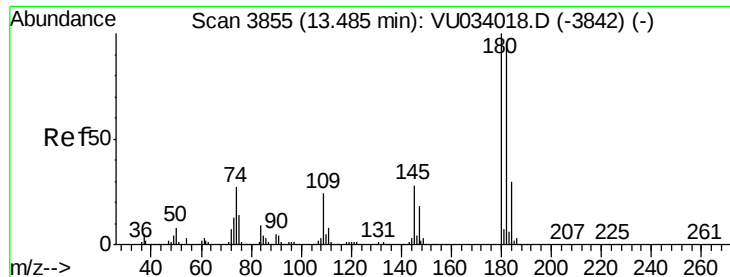


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#93

1,2,4-Trichlorobenzene

Concen: 1.155 ug/l

RT: 13.58 min Scan# 3883

Delta R.T. 0.09 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

TB-06-082919

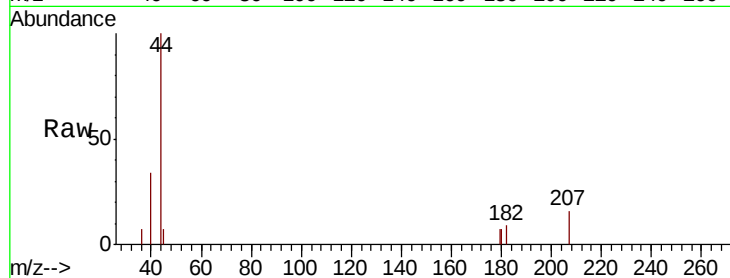
Tgt Ion:180 Resp: 323

Ion Ratio Lower Upper

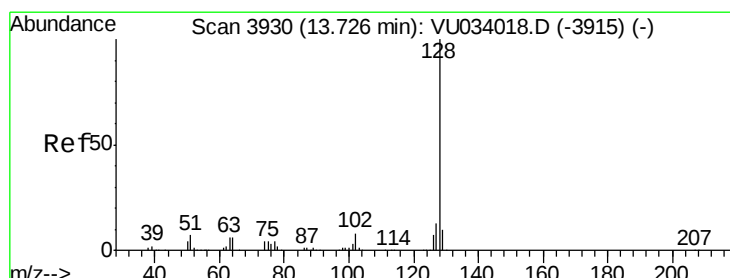
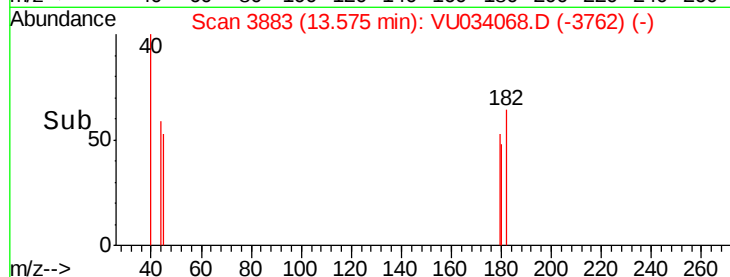
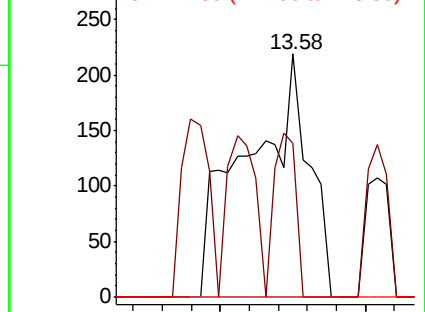
180 100

182 24.1 47.4 142.2#

145 0.0 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 1.811 ug/l

RT: 13.78 min Scan# 3948

Delta R.T. 0.06 min

Lab File: VU034068.D

Acq: 29 Aug 2019 17:36

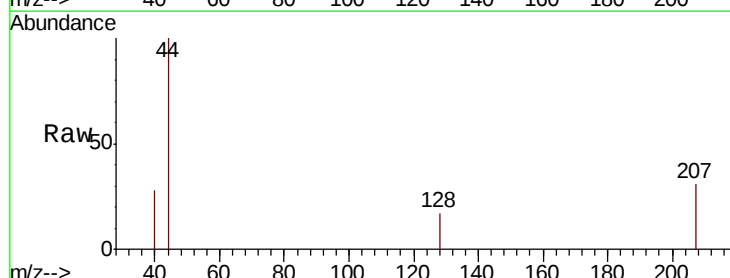
Tgt Ion:128 Resp: 471

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

