

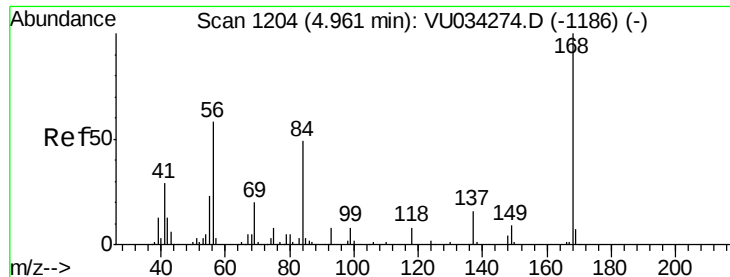
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034327.D
 Acq On : 06 Sep 2019 13:52
 Operator : JC/SP
 Sample : K4722-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-13.0-18.0-090519

Quant Time: Sep 06 14:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	336680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	502954	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	488667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307215	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	253252	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
35) Dibromofluoromethane	4.86	113	222626	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
50) Toluene-d8	7.55	98	862552	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	10.29	95	312547	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	2.28	101	8044	2.064	ug/l	99
16) Acetone	2.31	43	19343	7.338	ug/l	97
30) Chloroform	4.65	83	183600	22.147	ug/l	100
44) Trichloroethene	6.17	130	143201	29.402	ug/l	97
47) Bromodichloromethane	6.74	83	17811	2.679	ug/l	99
64) Tetrachloroethene	8.21	164	2119	0.500	ug/l	85
95) Naphthalene	13.73	128	120697	9.393	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

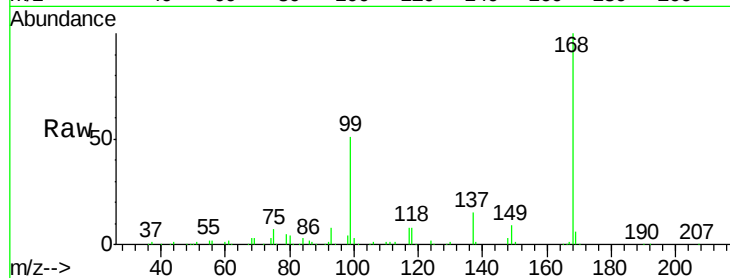
GW-200-B4-13.0-18.0-090519

Tot Ion:168 Resp: 336680

Ion Ratio Lower Upper

168 100

99 50.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.96

150000

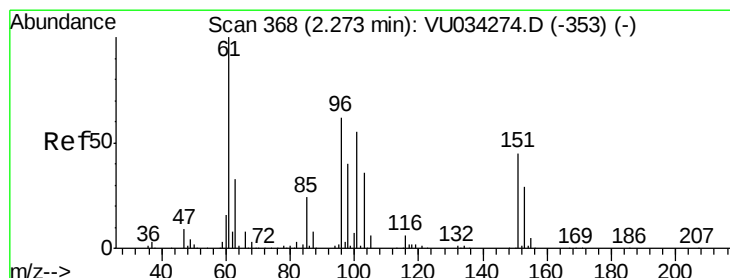
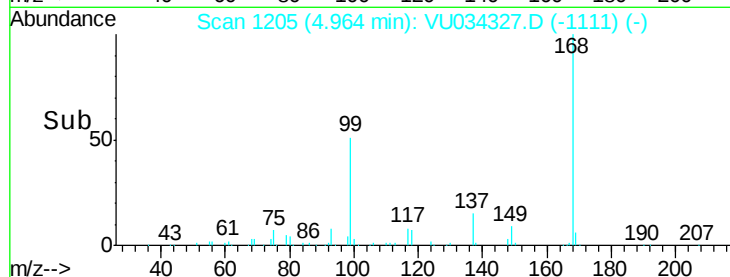
100000

50000

0

4.90 5.00 5.10

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.064 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

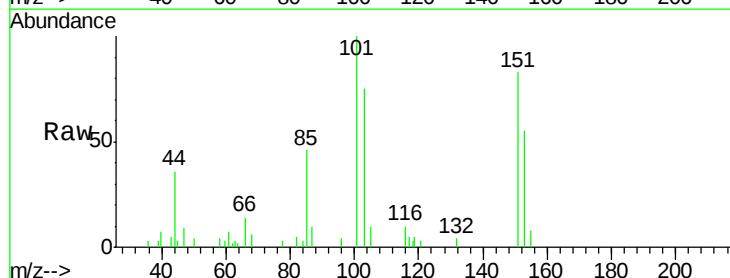
Tgt Ion:101 Resp: 8044

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

151 81.0 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V

2.28

6000

5000

4000

3000

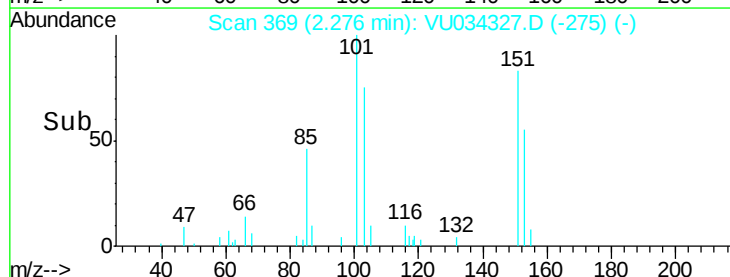
2000

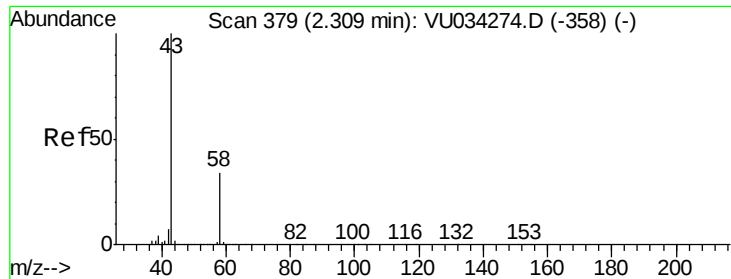
1000

0

2.25 2.30

Time-->





#16

Acetone

Concen: 7.338 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

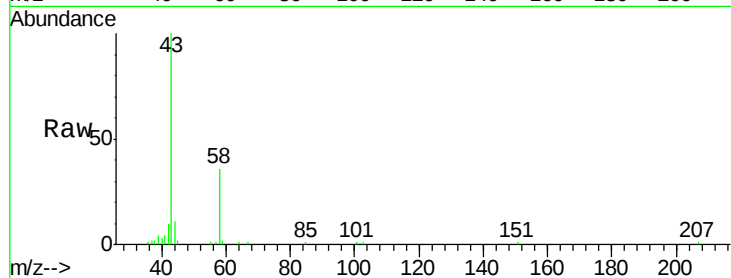
GW-200-B4-13.0-18.0-090519

Tot Ion: 43 Resp: 19343

Ion Ratio Lower Upper

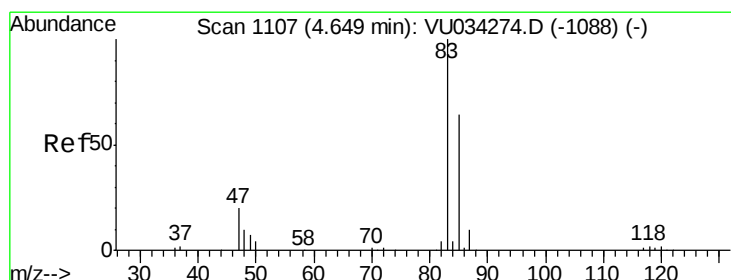
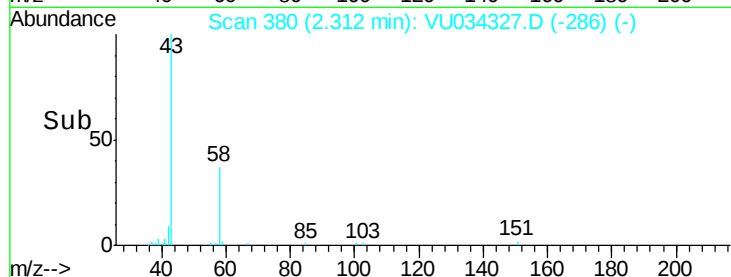
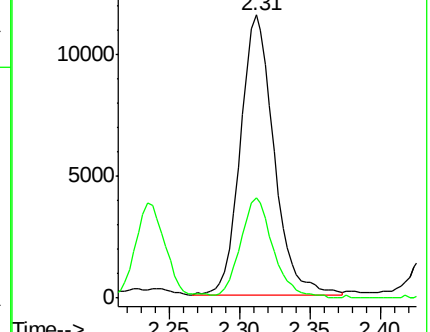
43 100

58 36.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034327.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034327.D (-380) (-)



#30

Chloroform

Concen: 22.147 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034327.D

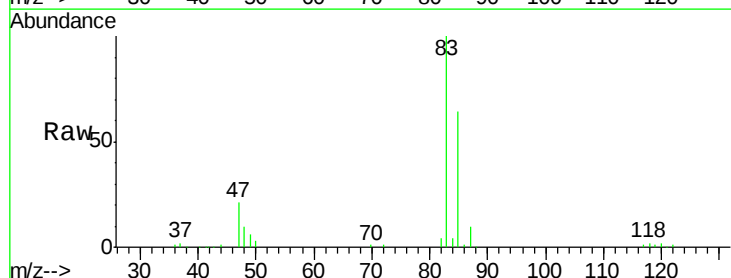
Acq: 06 Sep 2019 13:52

Tgt Ion: 83 Resp: 183600

Ion Ratio Lower Upper

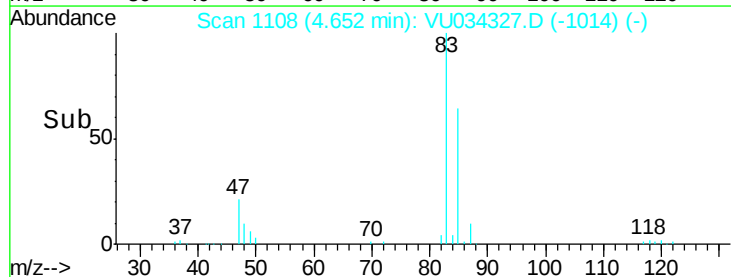
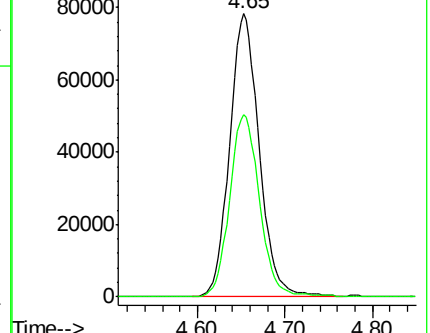
83 100

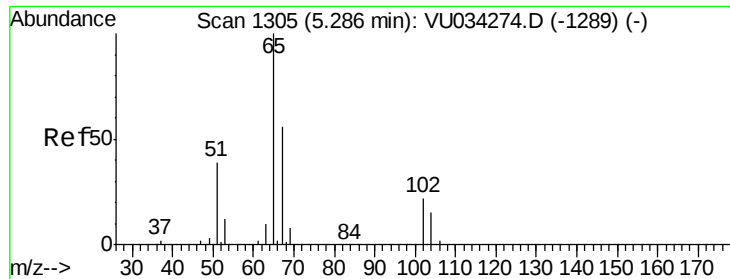
85 64.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU034327.D (-1108) (-)

Ion 84.90 (84.60 to 85.60): VU034327.D (-1108) (-)

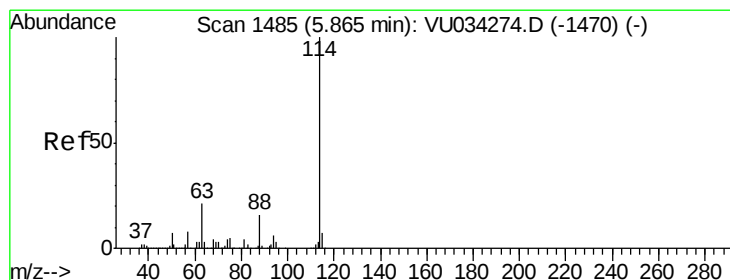
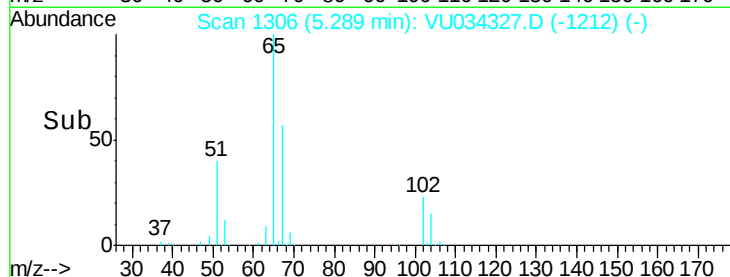
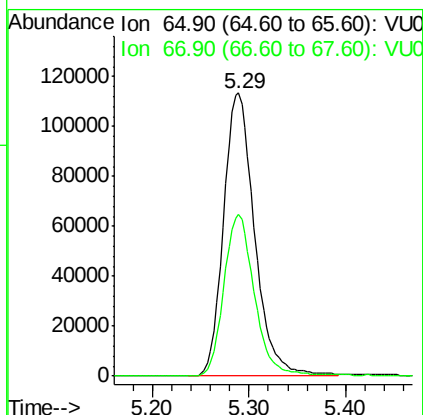
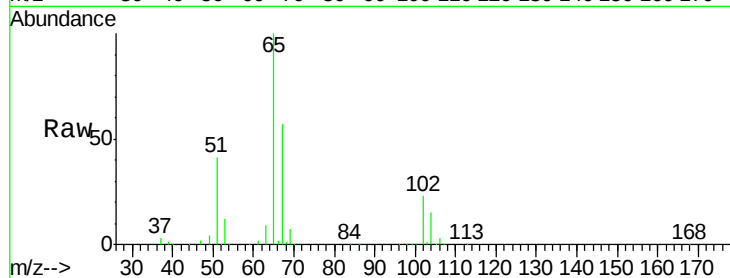




#33
 1,2-Dichloroethane-d4
 Concen: 49.715 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

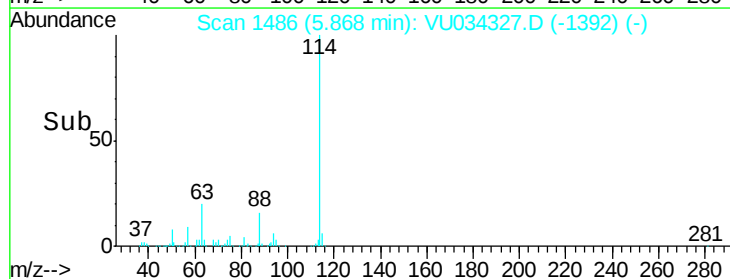
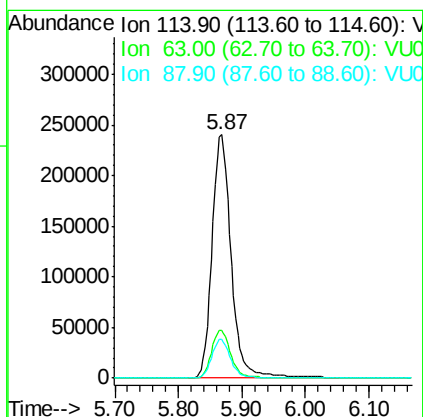
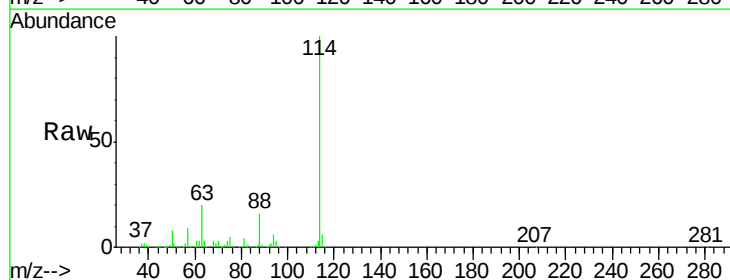
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-13.0-18.0-090519

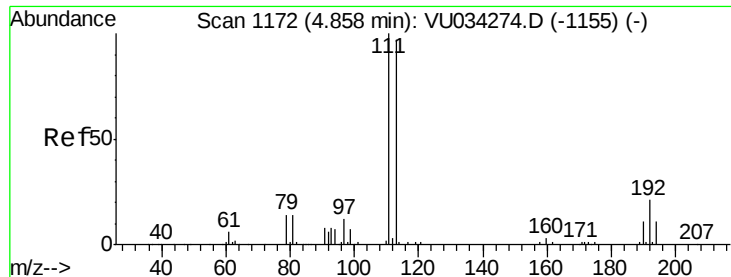
Tot Ion: 65 Resp: 253252
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

Tgt Ion: 114 Resp: 502954
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.4
 88 16.0 0.0 32.4

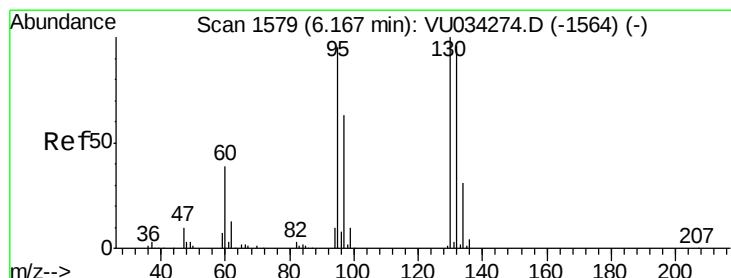
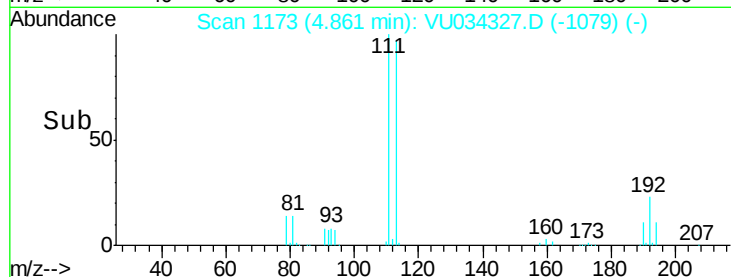
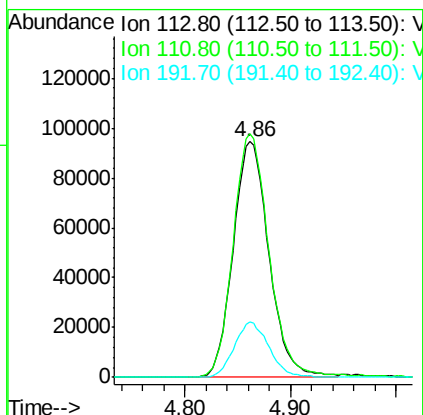
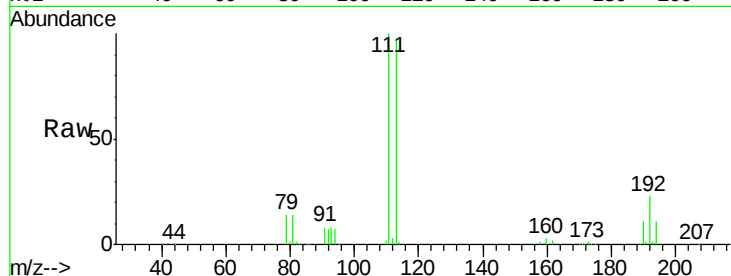




#35
 Dibromofluoromethane
 Concen: 47.570 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

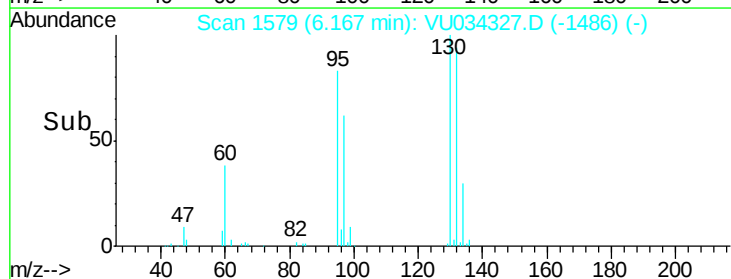
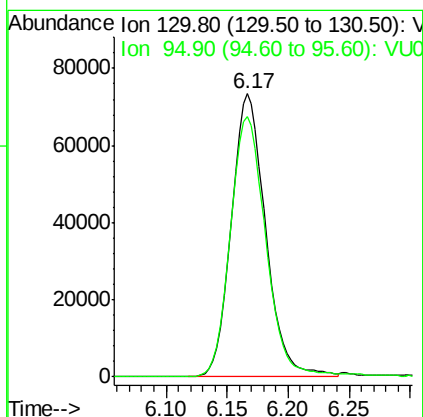
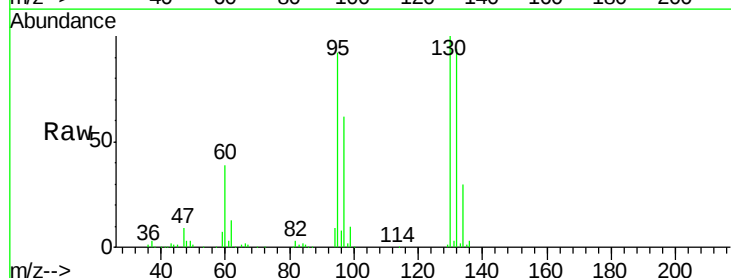
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-13.0-18.0-090519

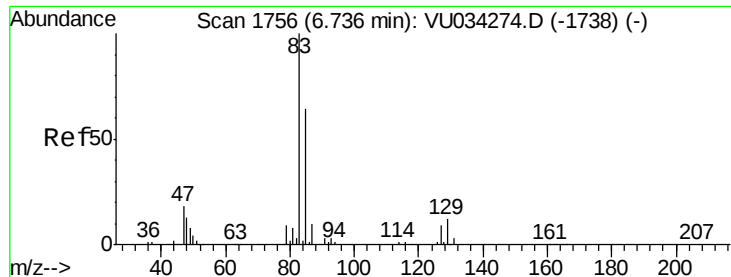
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.5	122.3
192	23.0	17.8	26.8



#44
 Trichloroethene
 Concen: 29.402 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	189.2





#47

Bromodichloromethane

Concen: 2.679 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-13.0-18.0-090519

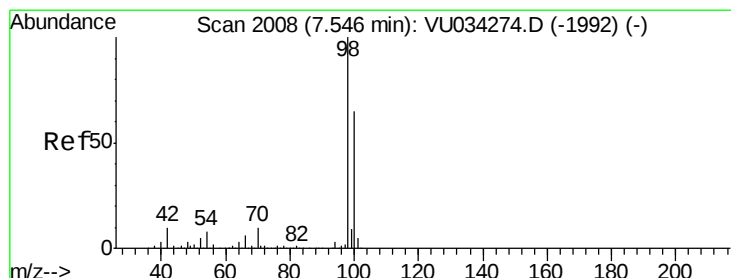
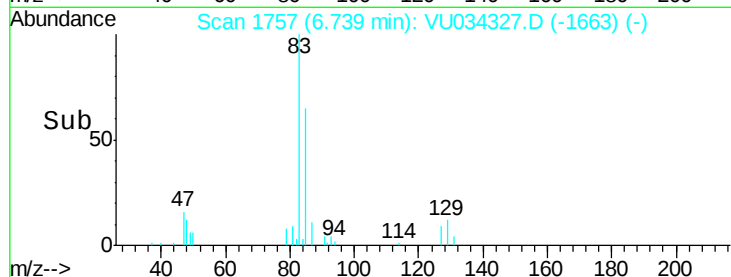
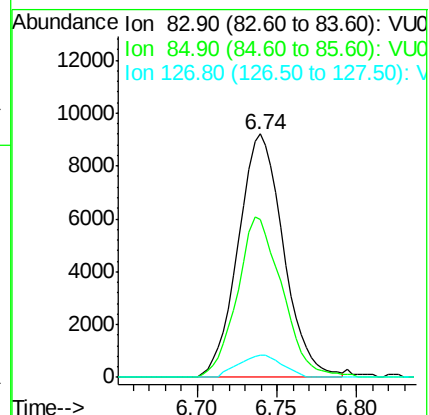
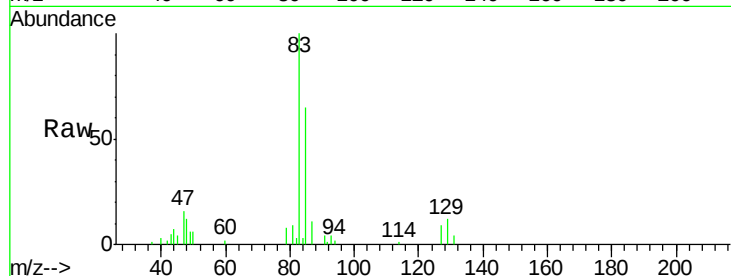
Tot Ion: 83 Resp: 17811

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

127 9.2 7.2 10.8



#50

Toluene-d8

Concen: 49.056 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034327.D

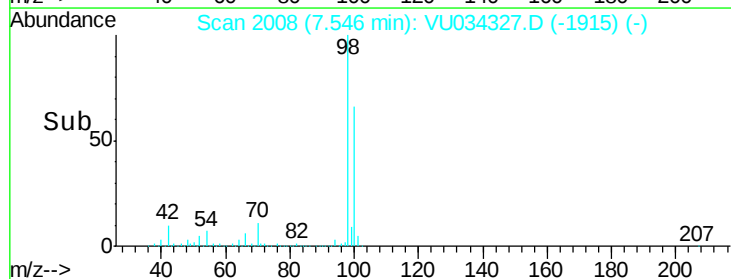
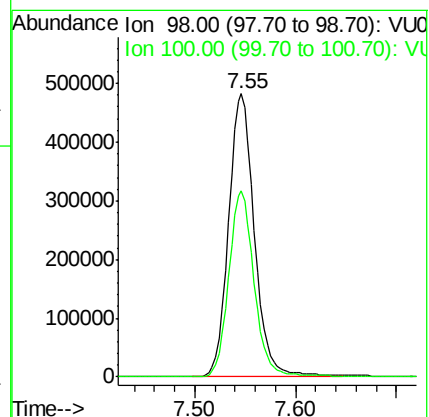
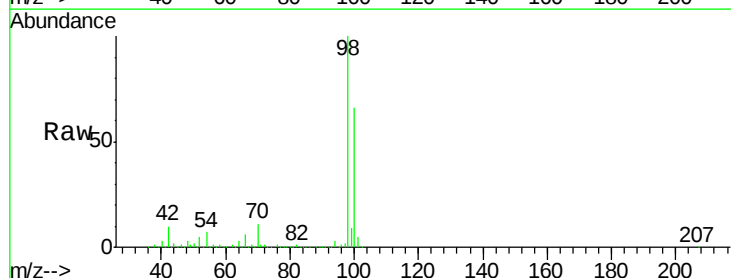
Acq: 06 Sep 2019 13:52

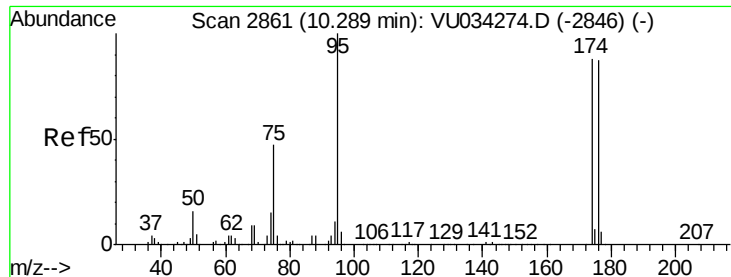
Tgt Ion: 98 Resp: 862552

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 46.040 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-13.0-18.0-090519

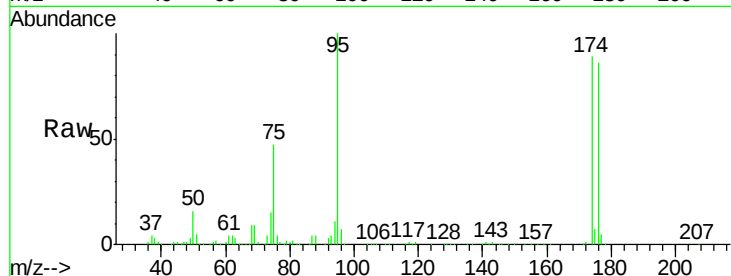
Tot Ion: 95 Resp: 312547

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

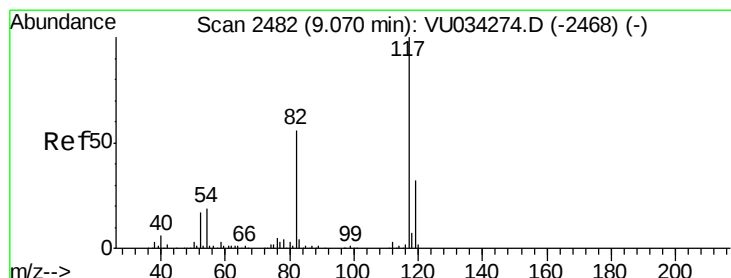
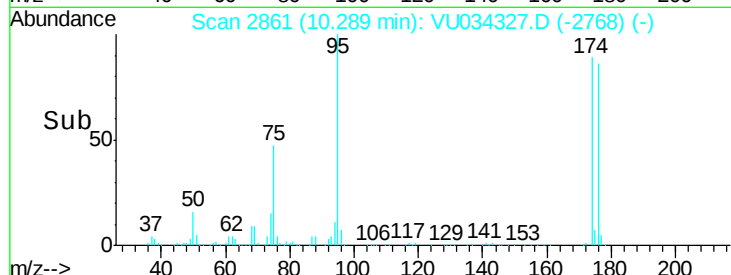
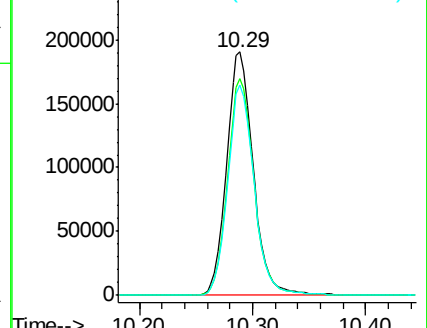
176 85.6 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034327.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034327.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034327.D (-2846) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

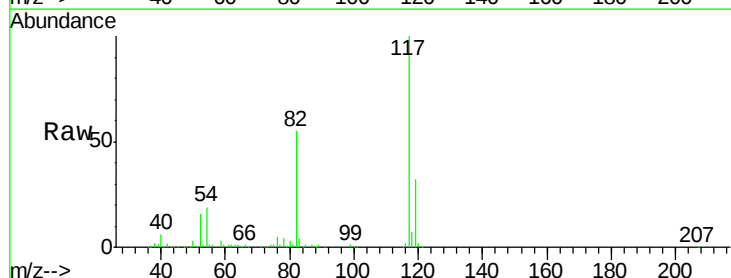
Tgt Ion: 117 Resp: 488667

Ion Ratio Lower Upper

117 100

82 54.8 44.6 67.0

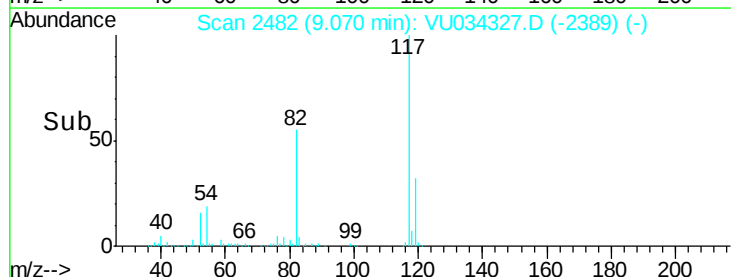
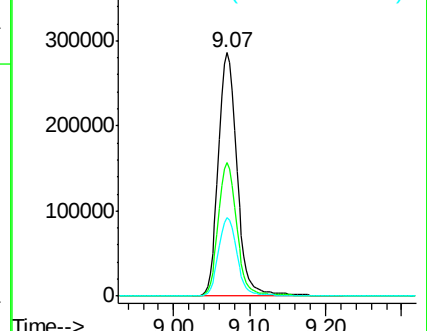
119 32.1 25.9 38.9

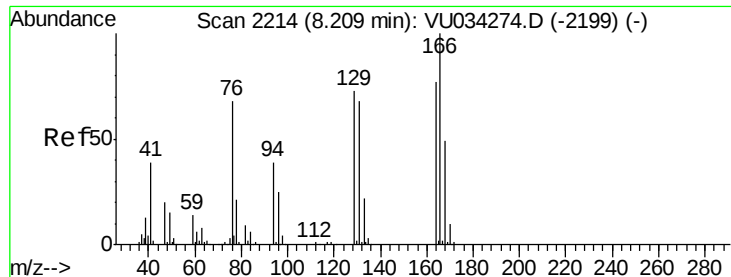


Abundance Ion 116.90 (116.60 to 117.60): VU034327.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034327.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034327.D (-2468) (-)





#64

Tetrachloroethene

Concen: 0.500 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-13.0-18.0-090519

Tot Ion:164 Resp: 2119

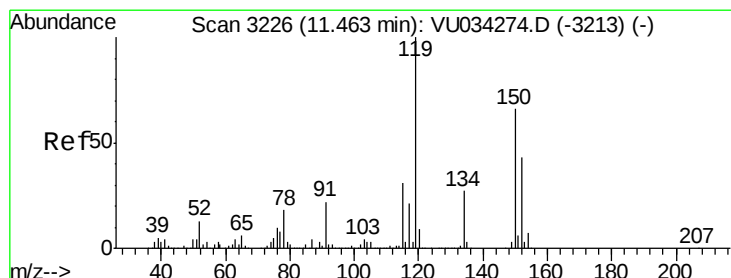
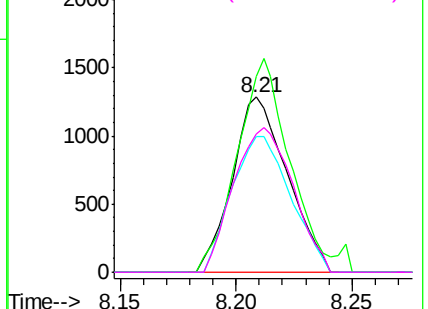
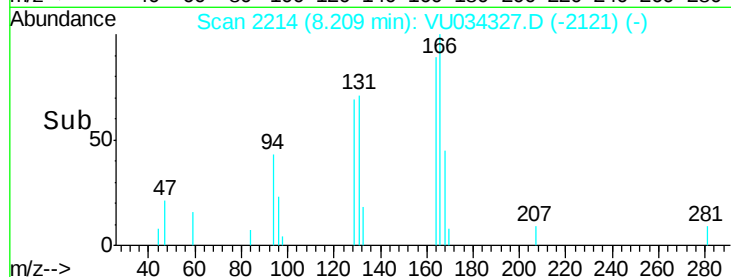
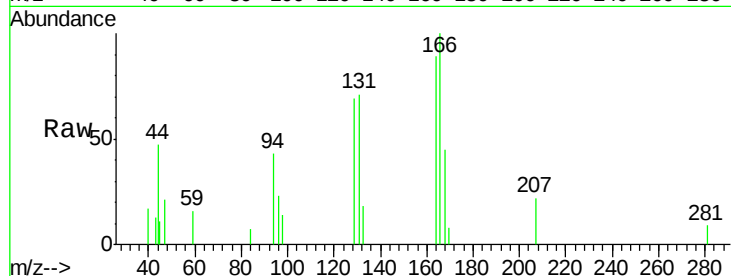
Ion Ratio Lower Upper

164 100

166 111.8 103.7 155.5

129 77.7 75.8 113.8

131 79.0 70.7 106.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

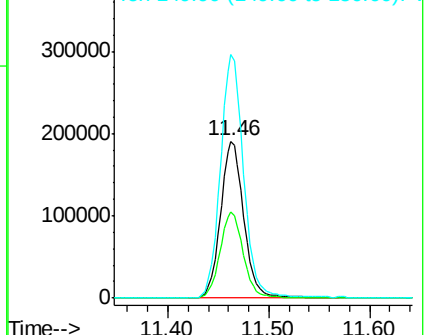
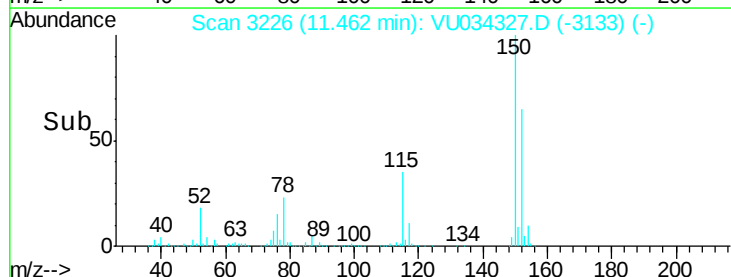
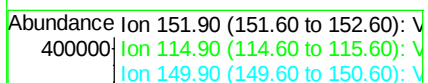
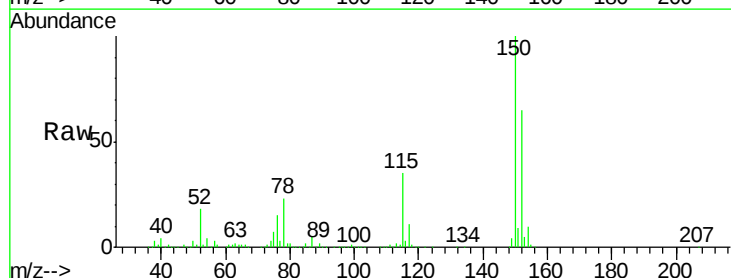
Tgt Ion:152 Resp: 307215

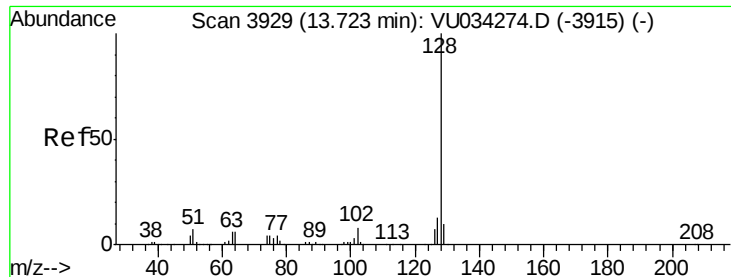
Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.3

150 155.0 0.0 345.4

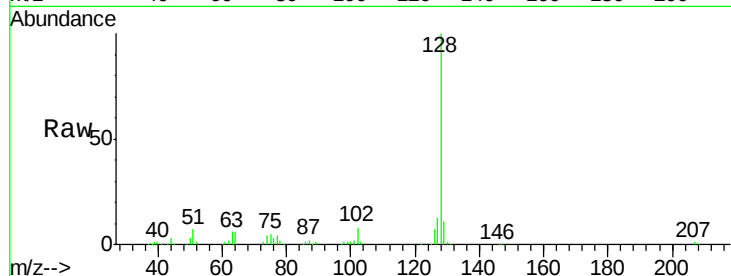




#95
Naphthalene
Concen: 9.393 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.01 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	15.8
129	10.8	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

