

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034305.D
 Acq On : 05 Sep 2019 23:41
 Operator : JC/SP
 Sample : K4579-22
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-12-A1-(3.5)

Quant Time: Sep 06 08:45:56 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

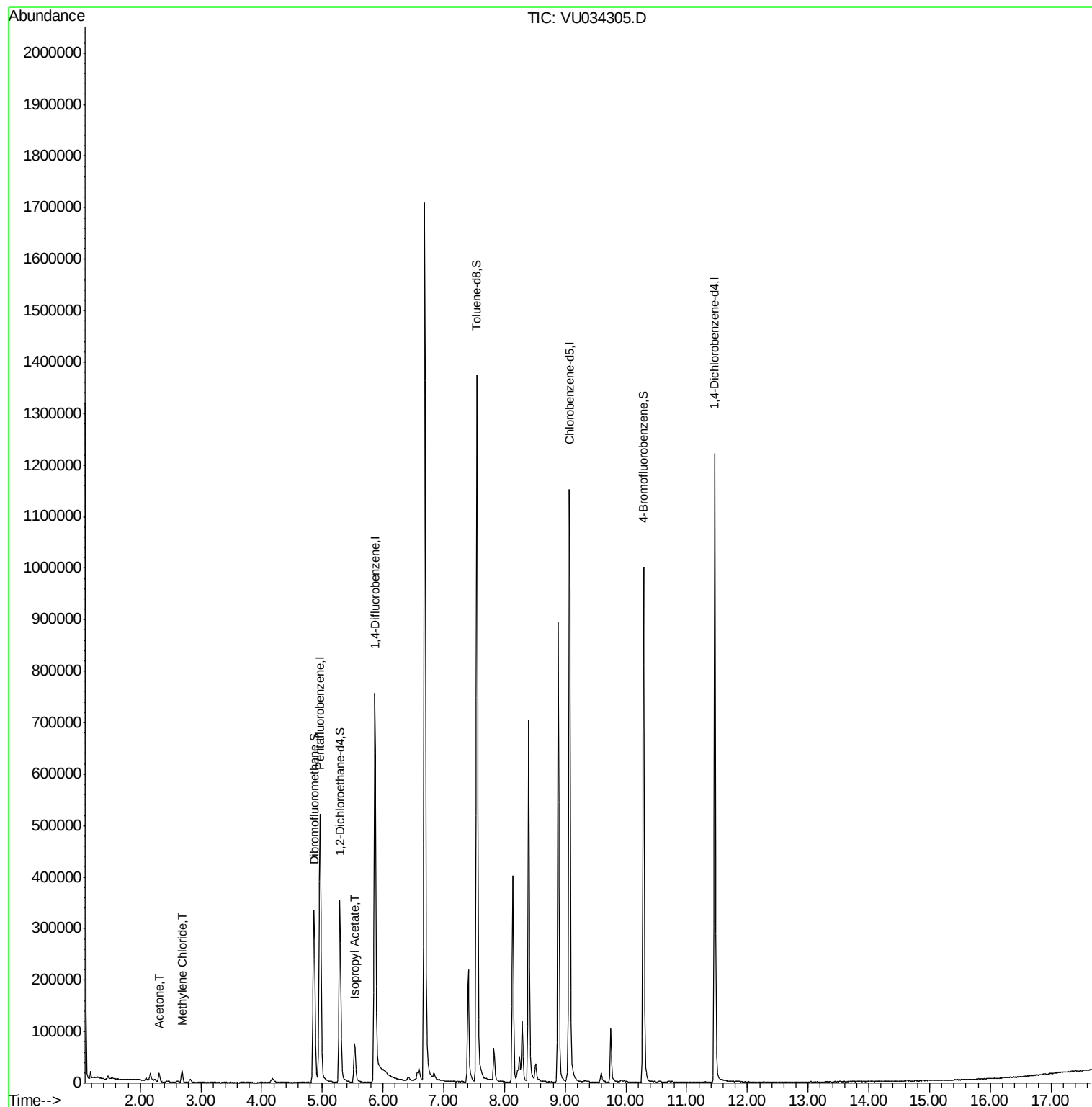
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	439542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	692066	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	681897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	343052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	279287	42.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.00%	
35) Dibromofluoromethane	4.86	113	240233	37.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.62%	
50) Toluene-d8	7.55	98	972029	40.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.36%	
62) 4-Bromofluorobenzene	10.29	95	347624	37.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.42%	
Target Compounds						
16) Acetone	2.31	43	18767	5.453	ug/l	97
20) Methylene Chloride	2.69	84	10752	1.520	ug/l	97
43) Isopropyl Acetate	5.53	43	92275	6.666	ug/l	98

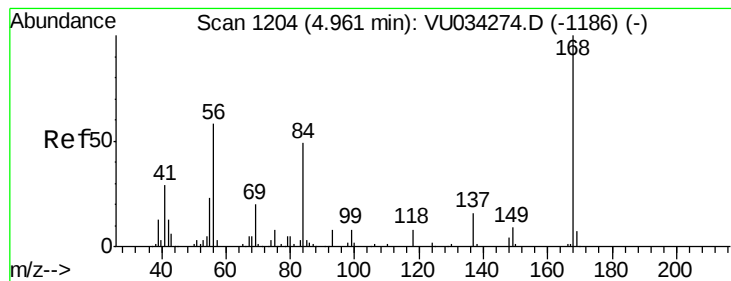
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034305.D

Acq: 05 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

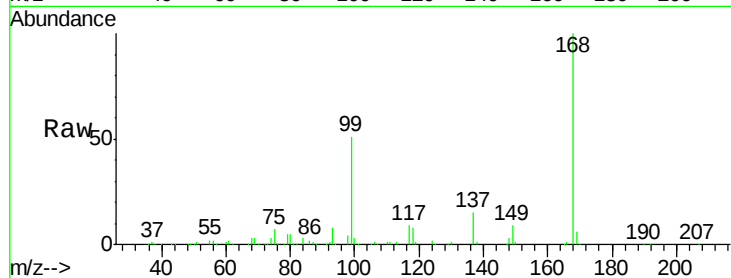
PAR-12-A1-(3.5)

Tot Ion:168 Resp: 439542

Ion Ratio Lower Upper

168 100

99 51.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034305.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034305.D (-1186) (-)

4.96

200000

150000

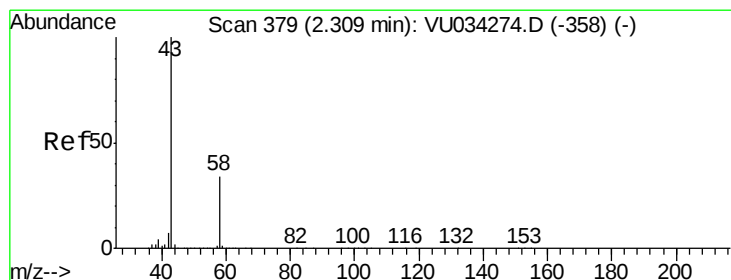
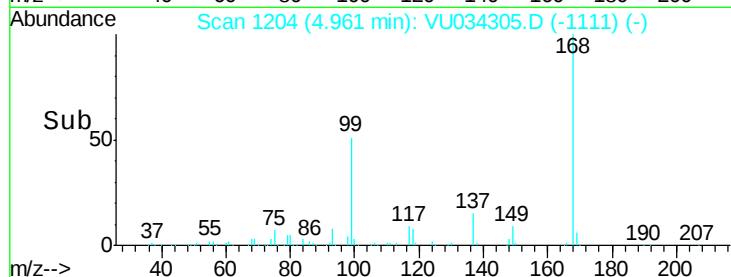
100000

50000

0

Time-->

4.90 5.00 5.10



#16

Acetone

Concen: 5.453 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034305.D

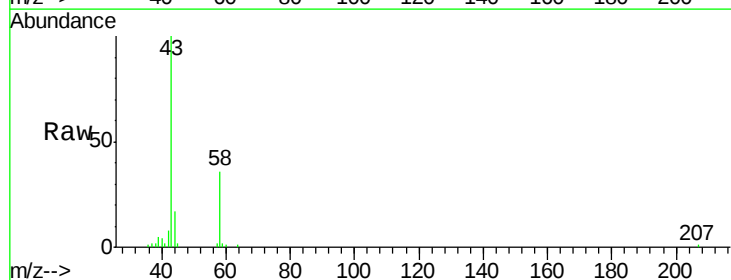
Acq: 05 Sep 2019 23:41

Tgt Ion: 43 Resp: 18767

Ion Ratio Lower Upper

43 100

58 36.2 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034305.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034305.D (-286) (-)

2.31

12000

10000

8000

6000

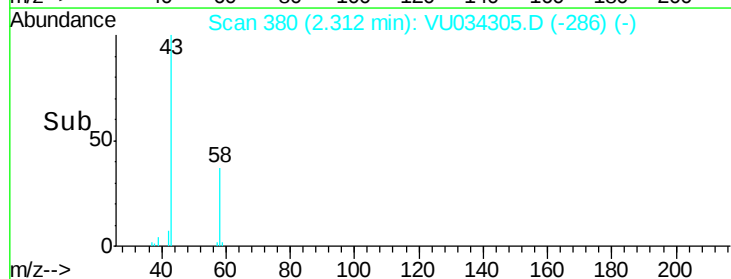
4000

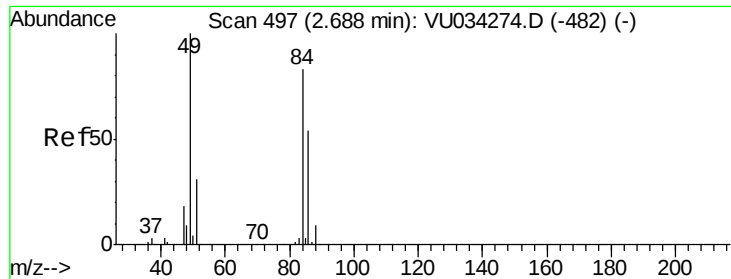
2000

0

Time-->

2.25 2.30 2.35 2.40

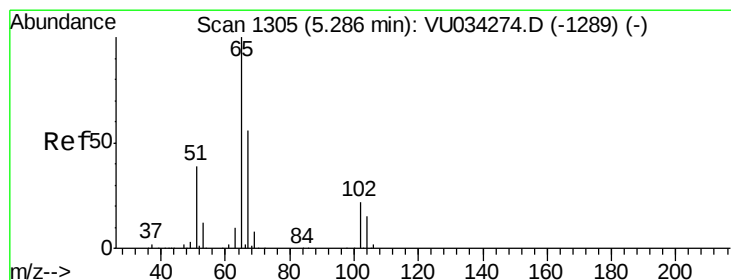
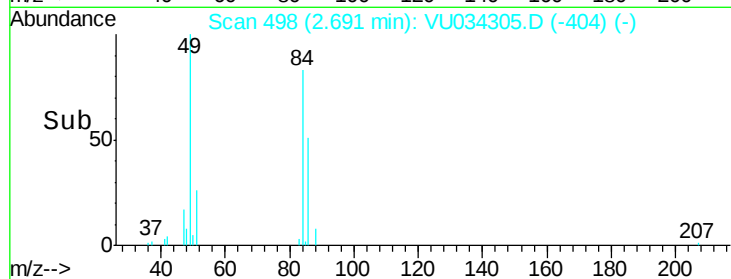
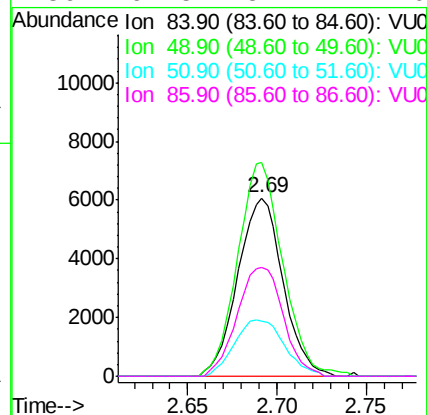
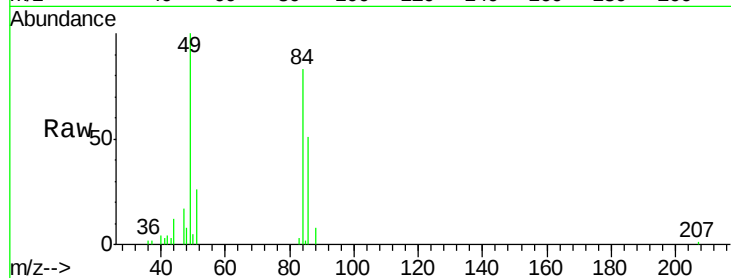




#20
Methvlene Chloride
Concen: 1.520 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034305.D
Acq: 05 Sep 2019 23:41

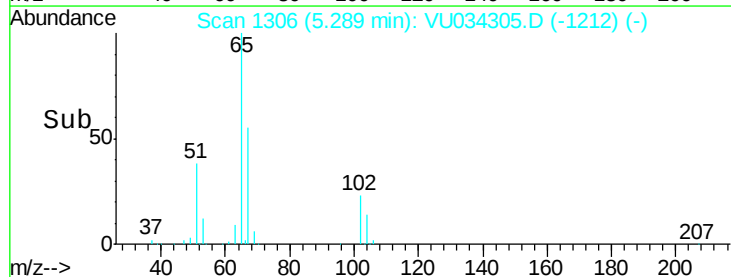
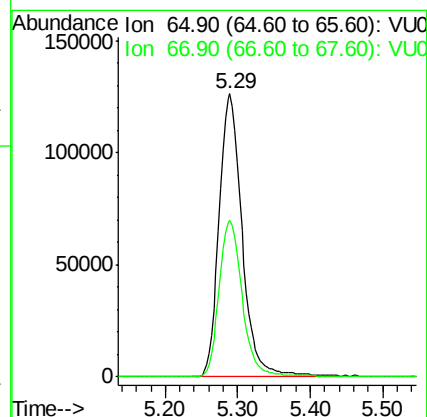
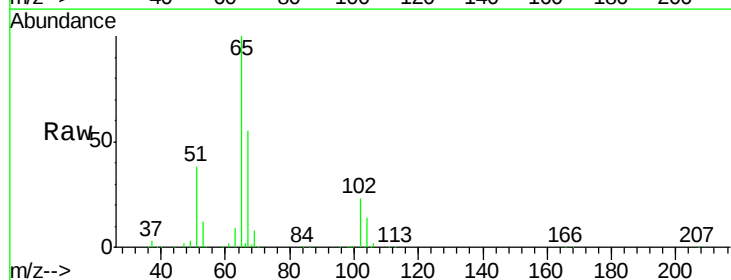
Instrument :
MSVOA_U
ClientSampleId :
PAR-12-A1-(3.5)

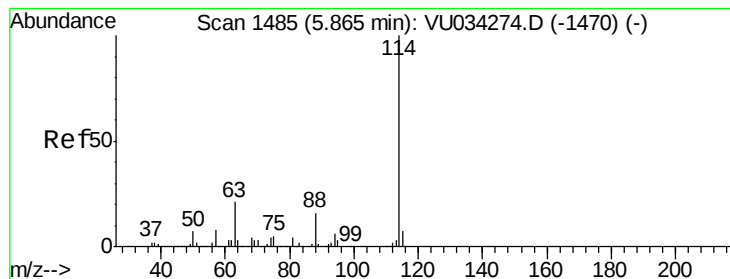
Tot Ion: 84 Resp: 10752
Ion Ratio Lower Upper
84 100
49 119.9 96.0 144.0
51 30.6 30.0 45.0
86 61.5 51.4 77.0



#33
1,2-Dichloroethane-d4
Concen: 41.995 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034305.D
Acq: 05 Sep 2019 23:41

Tgt Ion: 65 Resp: 279287
Ion Ratio Lower Upper
65 100
67 55.4 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: VU034305.D

Acq: 05 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A1-(3.5)

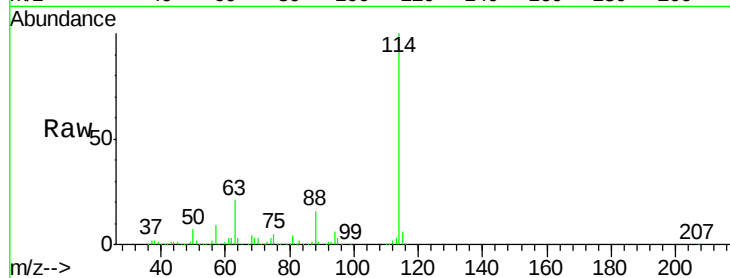
Tot Ion:114 Resp: 692066

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

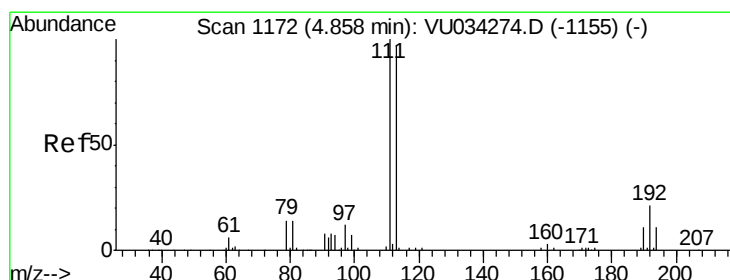
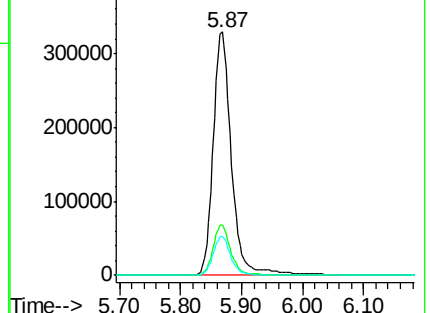
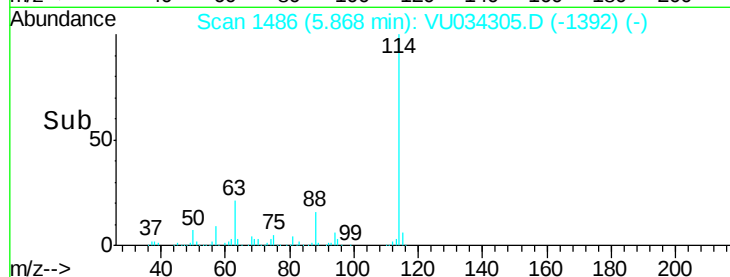
88 15.9 0.0 32.4



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: 37.305 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034305.D

Acq: 05 Sep 2019 23:41

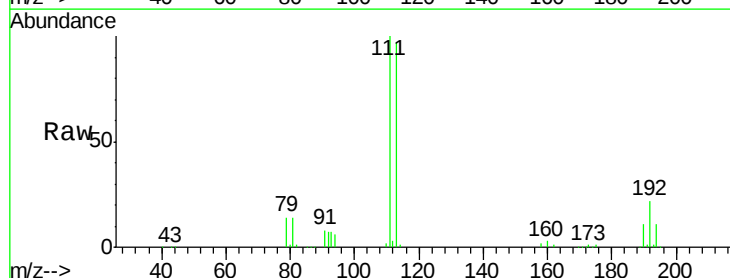
Tgt Ion:113 Resp: 240233

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

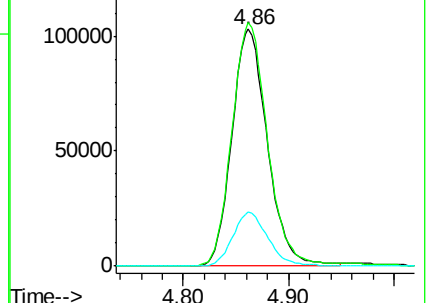
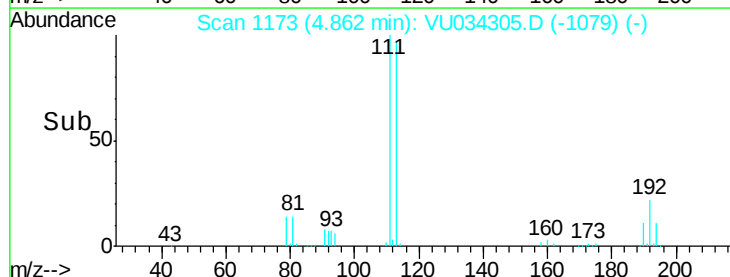
192 22.4 17.8 26.8

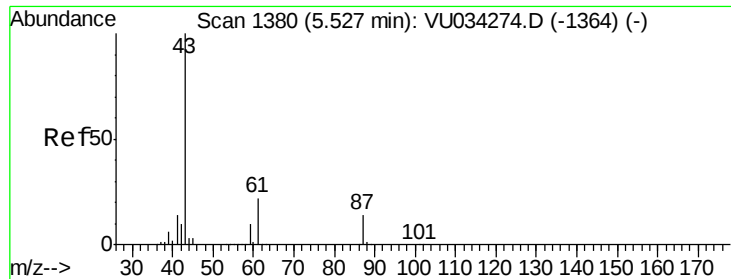


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 6.666 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034305.D

Acq: 05 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A1-(3.5)

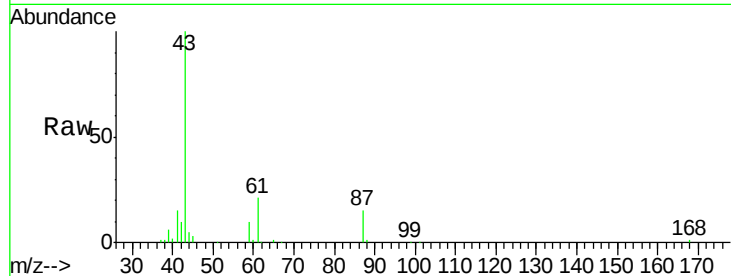
Tot Ion: 43 Resp: 92275

Ion Ratio Lower Upper

43 100

61 20.2 17.1 25.7

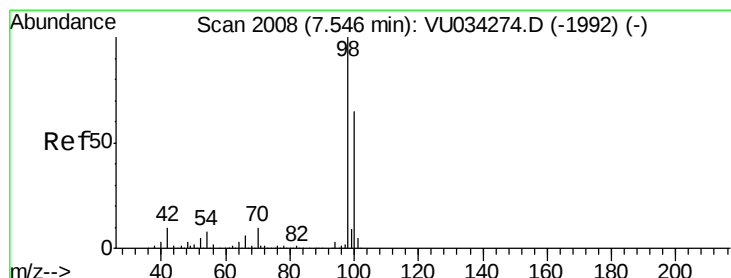
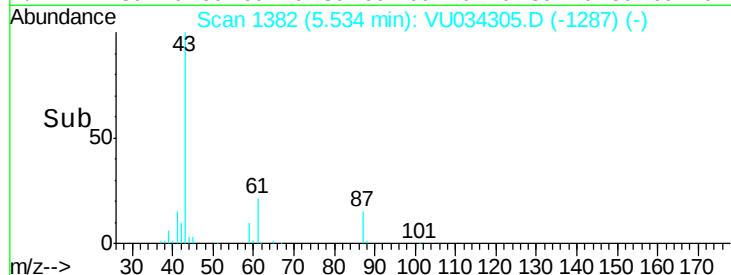
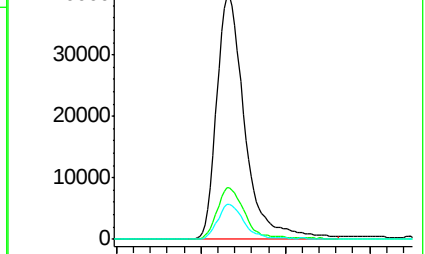
87 13.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034305.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034305.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034305.D (-1287) (-)



#50

Toluene-d8

Concen: 40.176 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034305.D

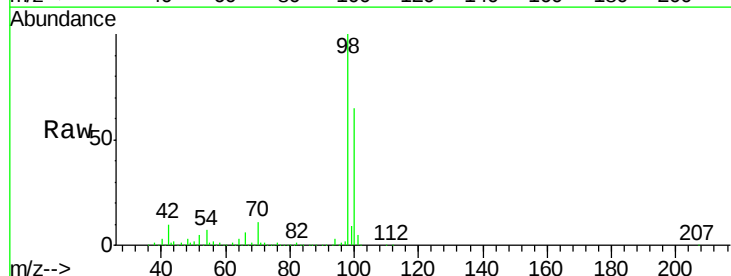
Acq: 05 Sep 2019 23:41

Tgt Ion: 98 Resp: 972029

Ion Ratio Lower Upper

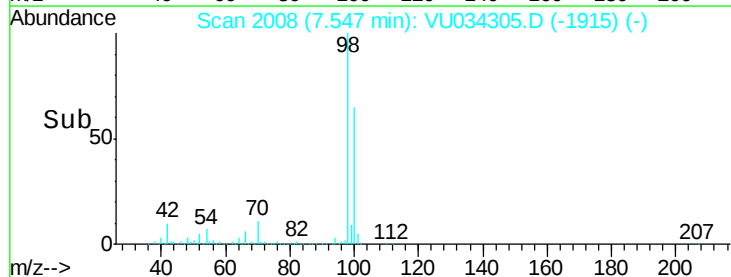
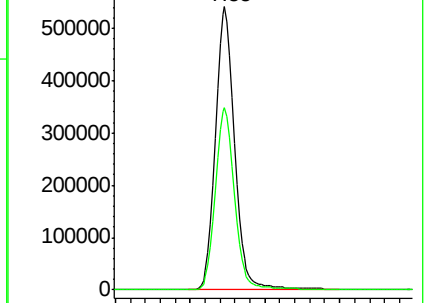
98 100

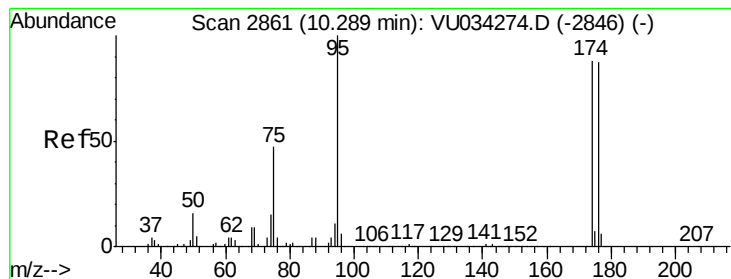
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034305.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034305.D (-1915) (-)





#62

4-Bromofluorobenzene

Concen: 37.214 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034305.D

Acq: 05 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A1-(3.5)

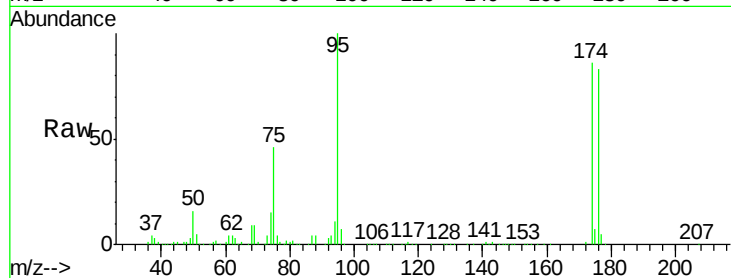
Tot Ion: 95 Resp: 347624

Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.2

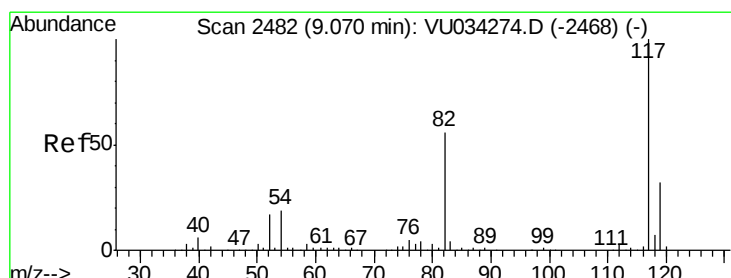
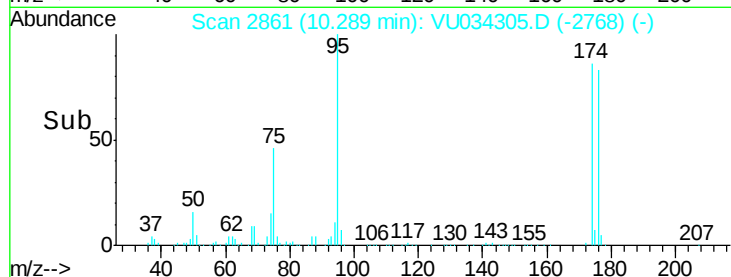
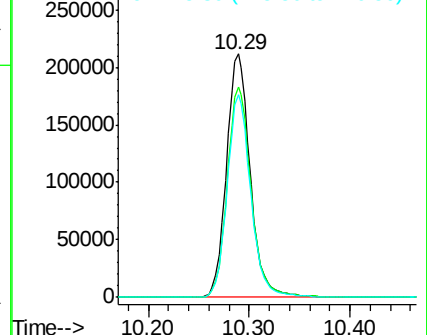
176 82.9 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034305.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU034305.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU034305.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034305.D

Acq: 05 Sep 2019 23:41

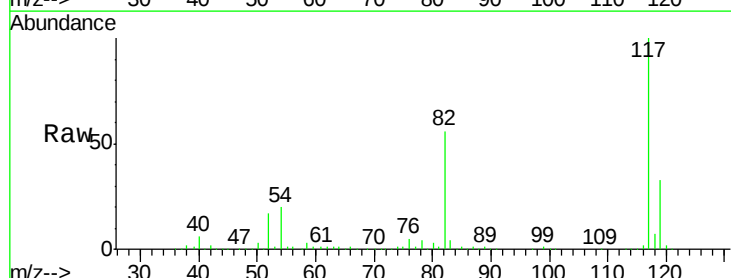
Tgt Ion: 117 Resp: 681897

Ion Ratio Lower Upper

117 100

82 55.5 44.6 67.0

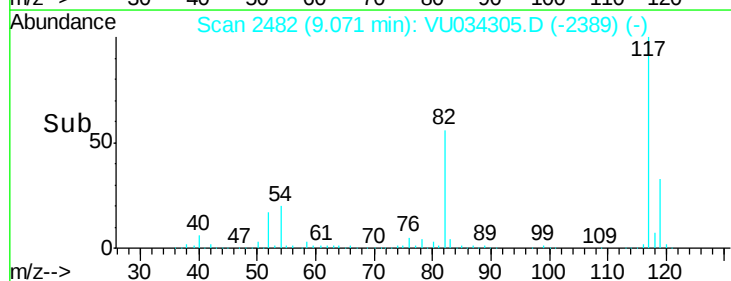
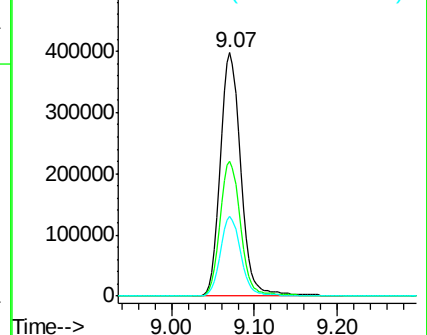
119 32.6 25.9 38.9

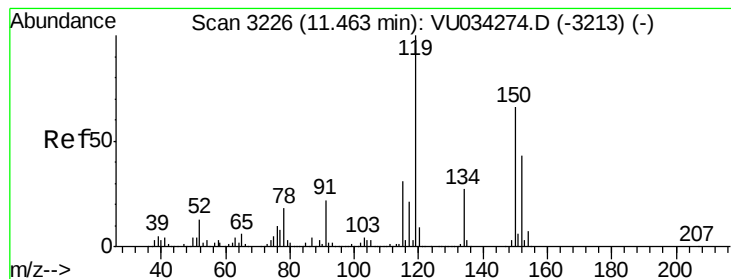


Abundance Ion 116.90 (116.60 to 117.60): VU034305.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034305.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034305.D (-2389) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034305.D

Acq: 05 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A1-(3.5)

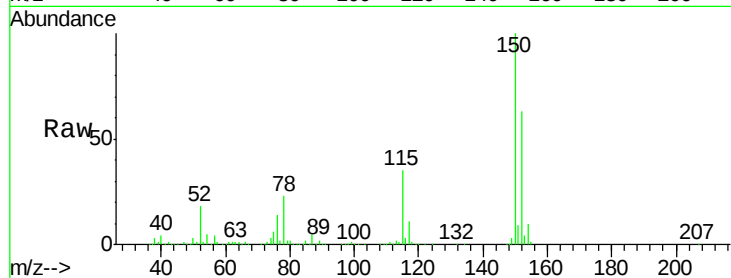
Tot Ion:152 Resp: 343052

Ion Ratio Lower Upper

152 100

115 55.8 39.1 117.3

150 157.4 0.0 345.4



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

