

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034307.D
 Acq On : 06 Sep 2019 00:27
 Operator : JC/SP
 Sample : K4579-24
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-12-A4-(3.5)

Quant Time: Sep 06 08:50:49 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

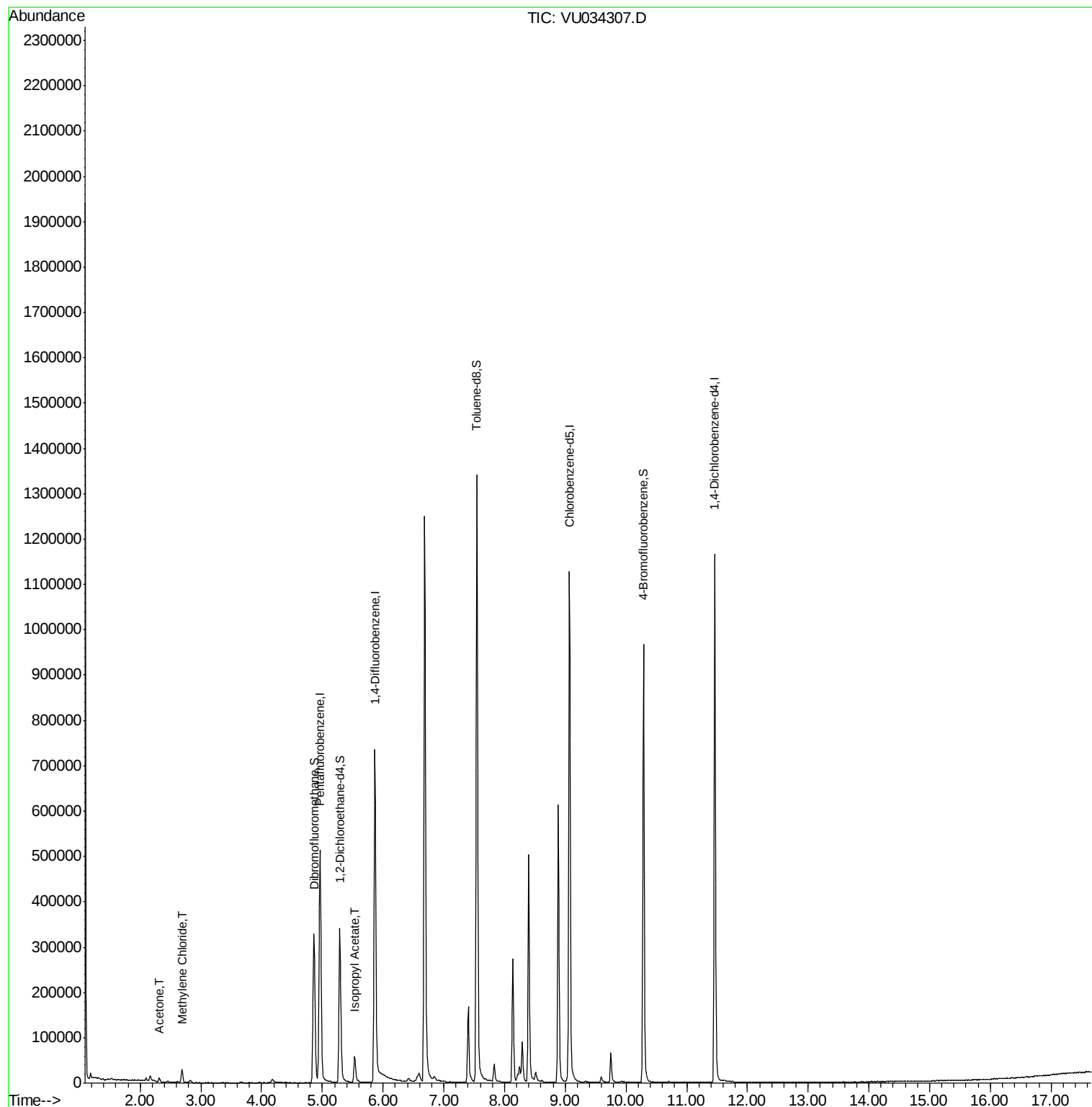
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	423218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	653542	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	672034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	334418	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	271220	42.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.72%	
35) Dibromofluoromethane	4.86	113	239488	39.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.76%	
50) Toluene-d8	7.55	98	945239	41.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.74%	
62) 4-Bromofluorobenzene	10.29	95	334036	37.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.74%	
Target Compounds						
16) Acetone	2.31	43	11353	3.426	ug/l	99
20) Methylene Chloride	2.69	84	13609	2.125	ug/l	96
43) Isopropyl Acetate	5.53	43	69030	5.280	ug/l	99

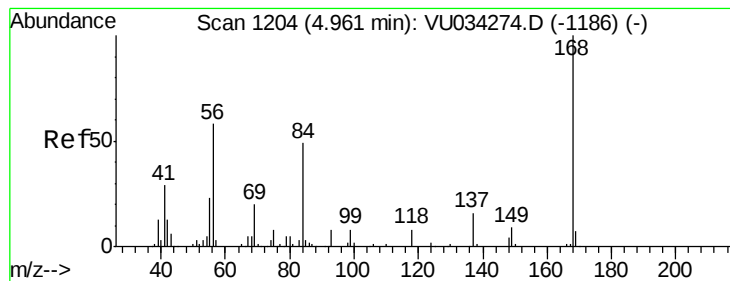
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampleId :

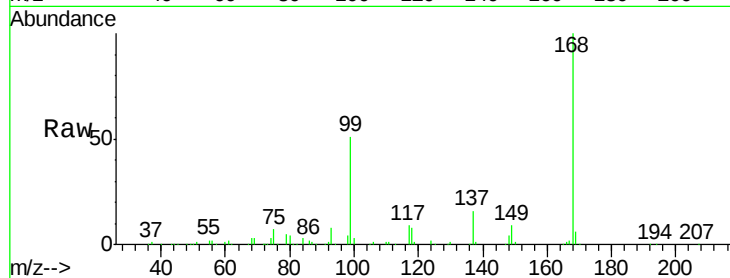
PAR-12-A4-(3.5)

Tot Ion:168 Resp: 423218

Ion Ratio Lower Upper

168 100

99 51.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

200000

150000

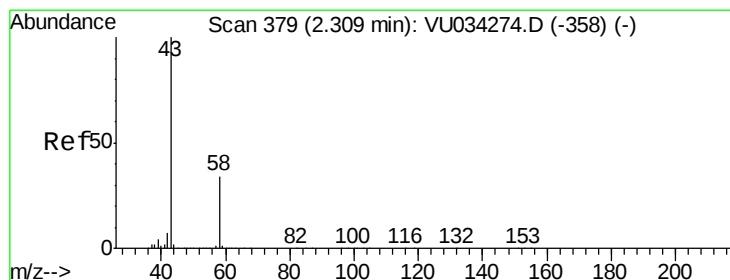
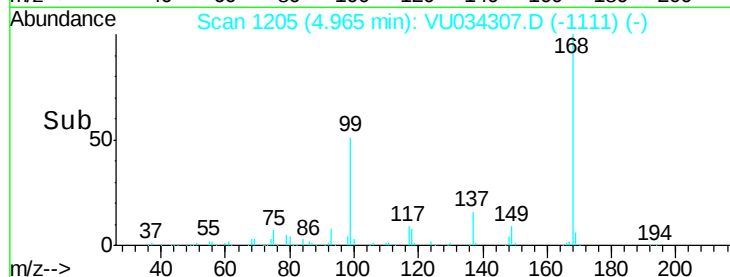
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#16

Acetone

Concen: 3.426 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034307.D

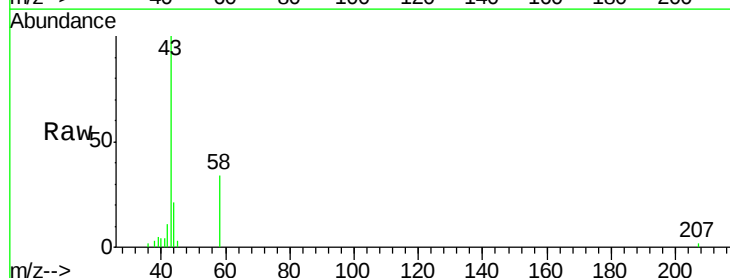
Acq: 06 Sep 2019 00:27

Tgt Ion: 43 Resp: 11353

Ion Ratio Lower Upper

43 100

58 35.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

2.31

6000

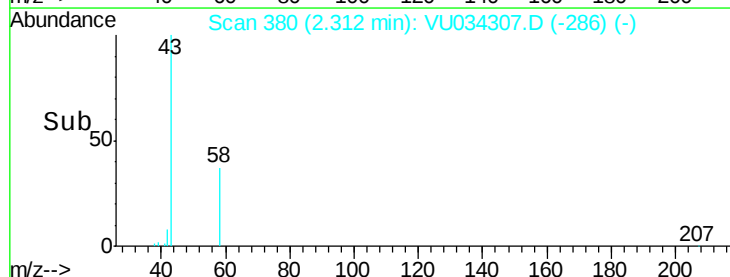
4000

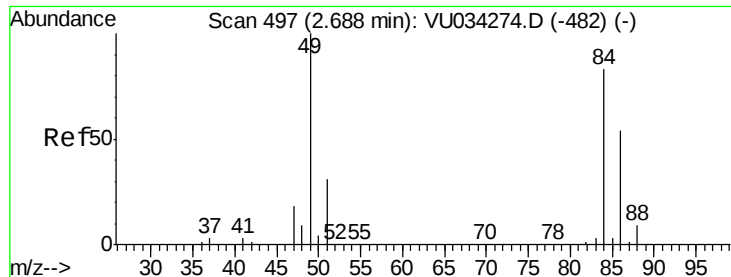
2000

0

2.25 2.30 2.35 2.40

Time-->

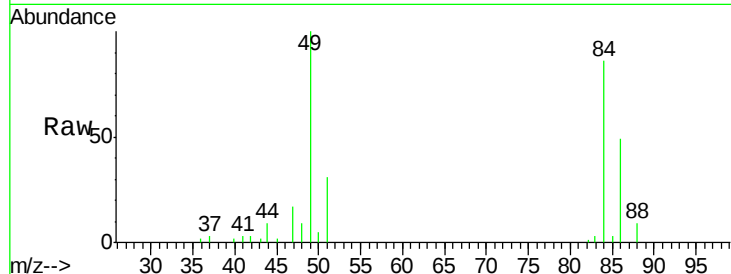




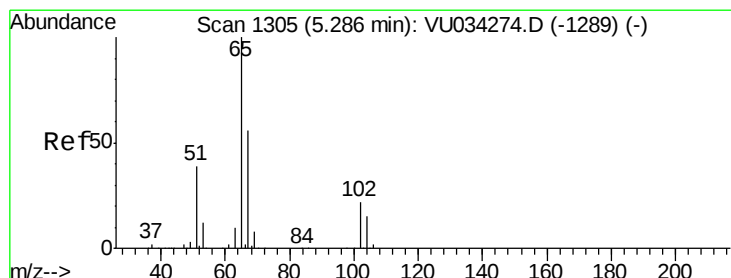
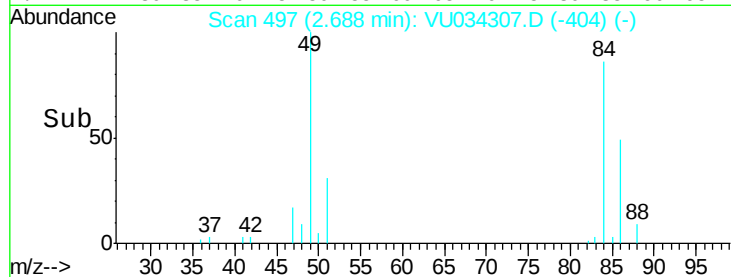
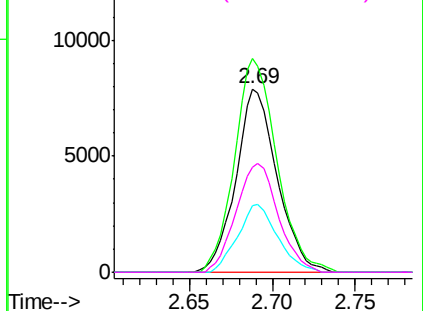
#20
Methvlene Chloride
Concen: 2.125 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034307.D
Acq: 06 Sep 2019 00:27

Instrument :
MSVOA_U
ClientSampleId :
PAR-12-A4-(3.5)

Tot Ion:	84	Resp:	13609
Ion	Ratio	Lower	Upper
84	100		
49	116.7	96.0	144.0
51	36.5	30.0	45.0
86	57.4	51.4	77.0

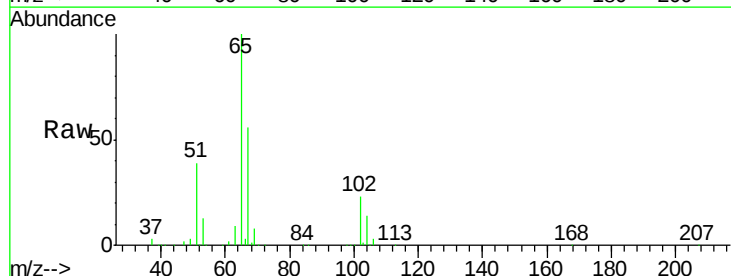


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

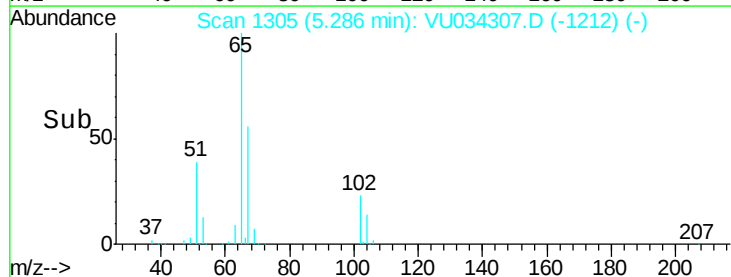
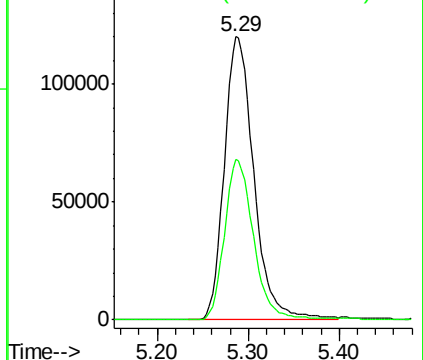


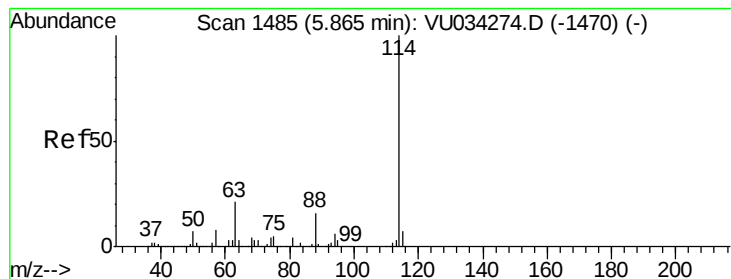
#33
1,2-Dichloroethane-d4
Concen: 42.355 ug/l
RT: 5.29 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VU034307.D
Acq: 06 Sep 2019 00:27

Tgt Ion:	65	Resp:	271220
Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A4-(3.5)

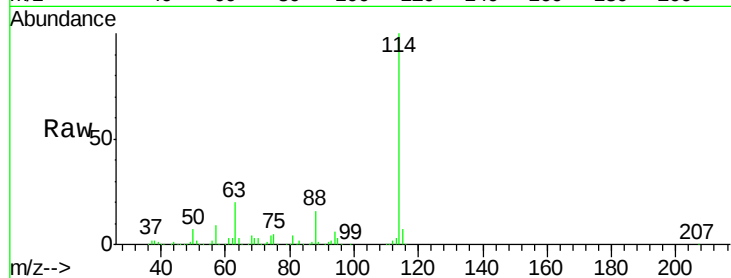
Tot Ion:114 Resp: 653542

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

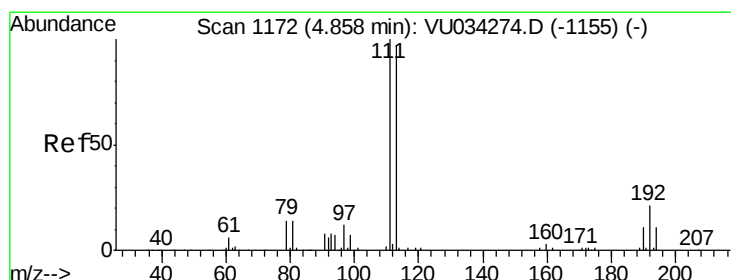
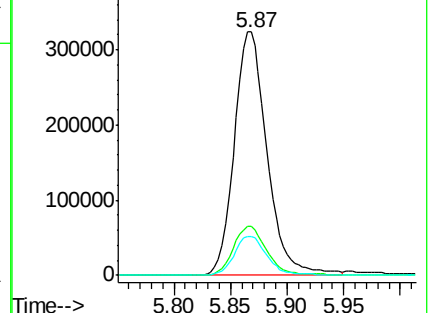
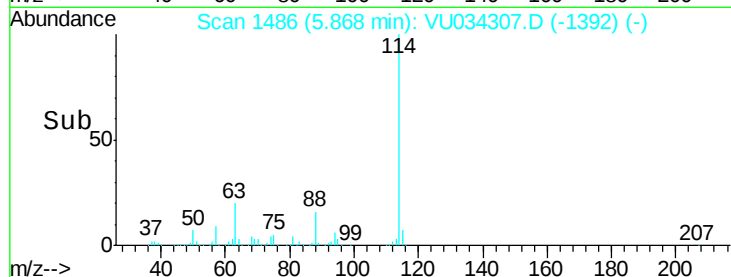
88 16.1 0.0 32.4



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: 39.382 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

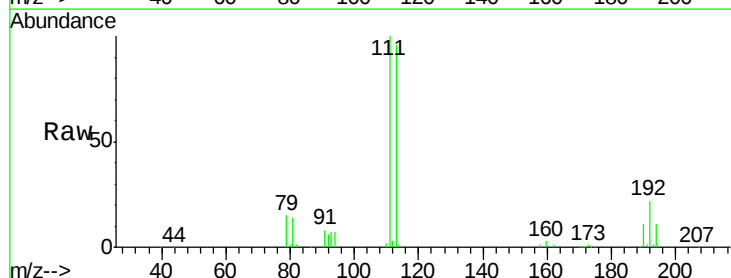
Tgt Ion:113 Resp: 239488

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

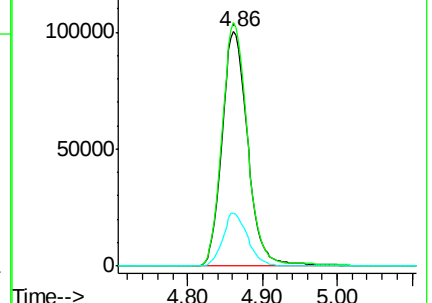
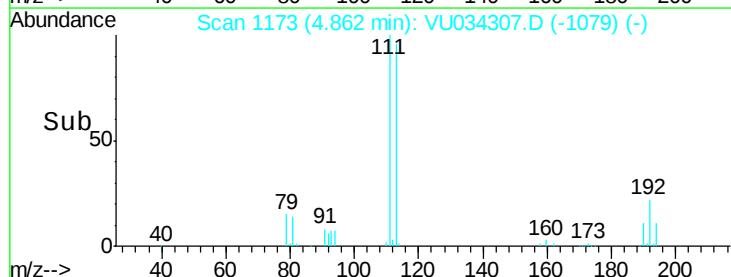
192 21.9 17.8 26.8

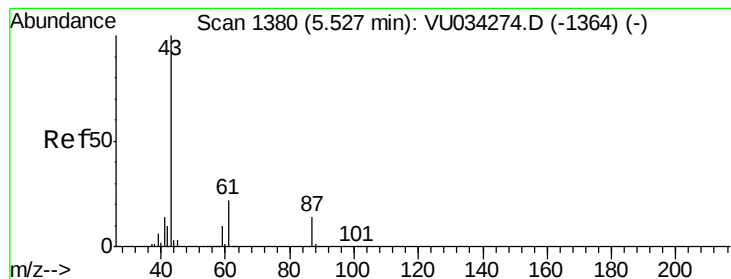


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 5.280 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A4-(3.5)

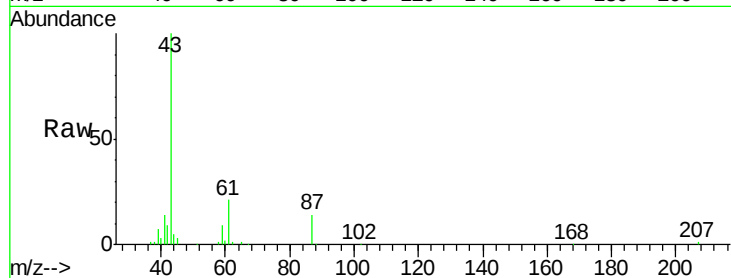
Tot Ion: 43 Resp: 69030

Ion Ratio Lower Upper

43 100

61 22.3 17.1 25.7

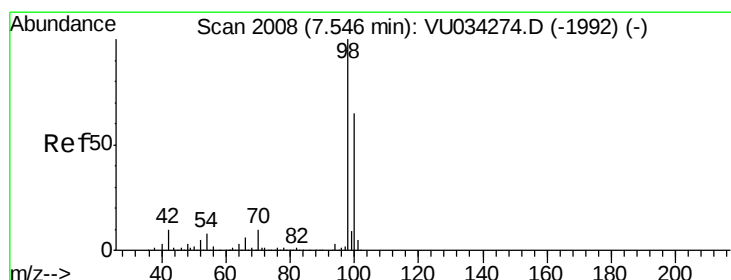
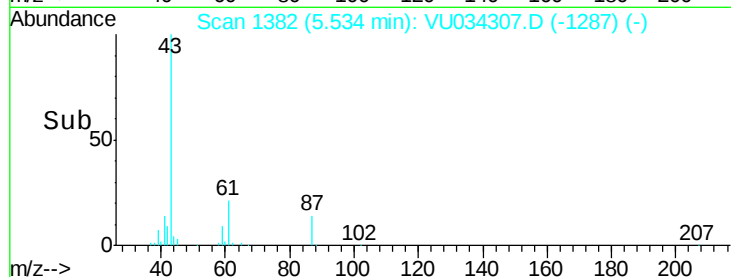
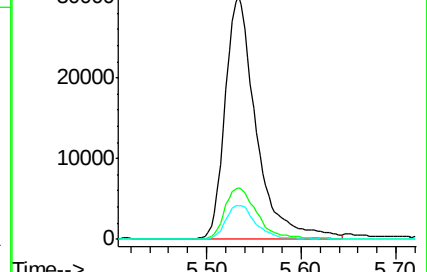
87 13.6 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034307.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034307.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034307.D (-1287) (-)



#50

Toluene-d8

Concen: 41.372 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034307.D

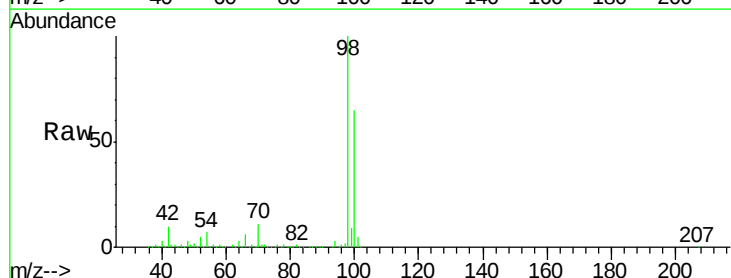
Acq: 06 Sep 2019 00:27

Tgt Ion: 98 Resp: 945239

Ion Ratio Lower Upper

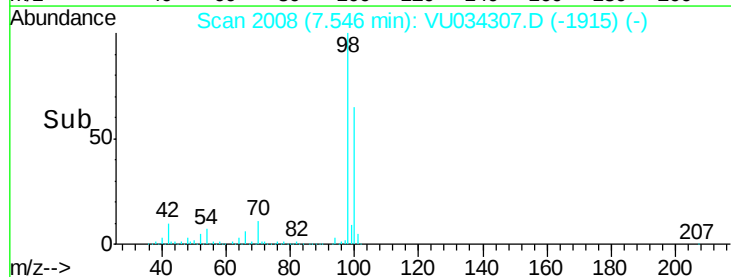
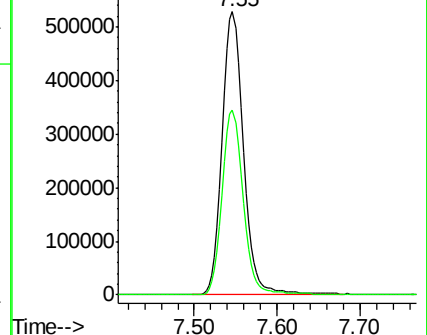
98 100

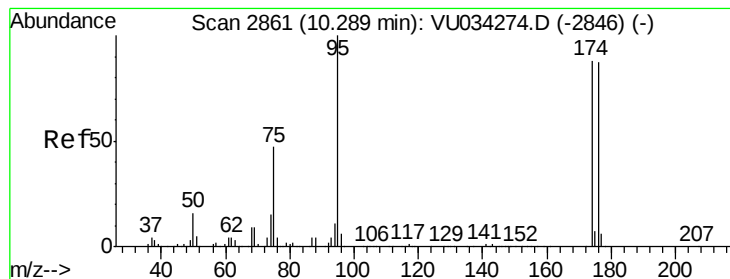
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034307.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034307.D (-1915) (-)





#62

4-Bromofluorobenzene

Concen: 37.867 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A4-(3.5)

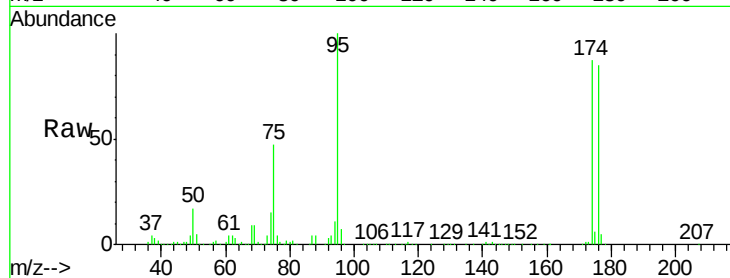
Tot Ion: 95 Resp: 334036

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.2

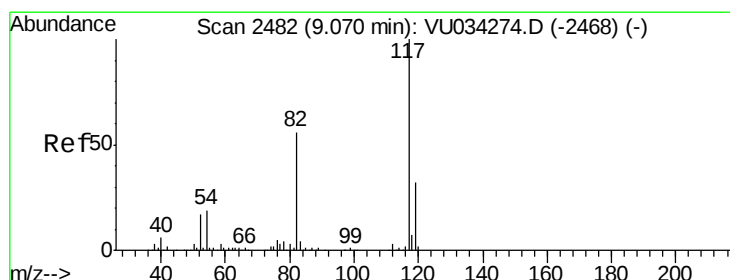
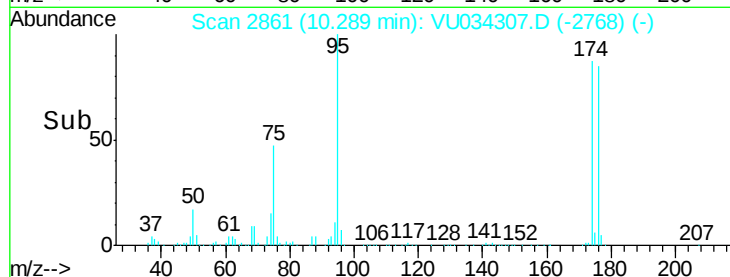
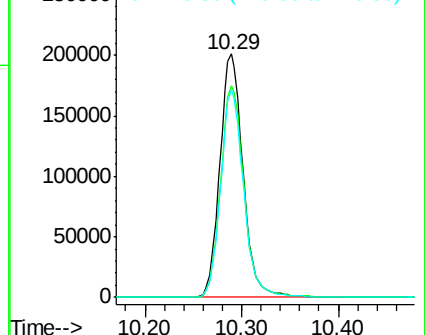
176 84.7 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034274.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034274.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034274.D (-2846) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

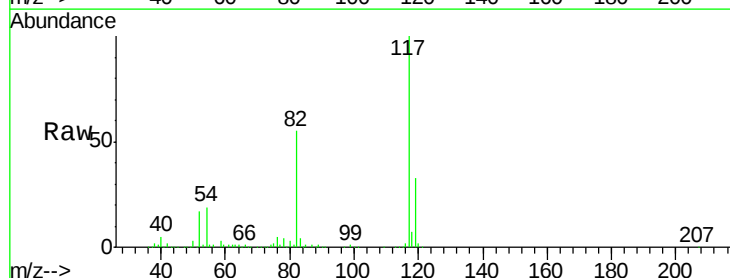
Tgt Ion: 117 Resp: 672034

Ion Ratio Lower Upper

117 100

82 54.8 44.6 67.0

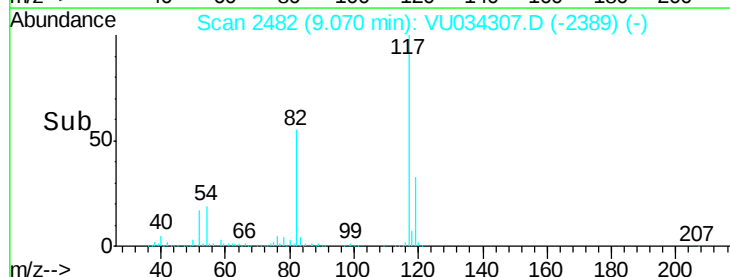
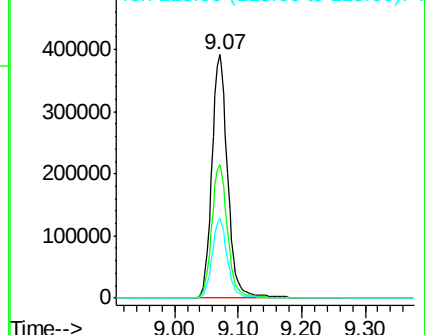
119 32.6 25.9 38.9

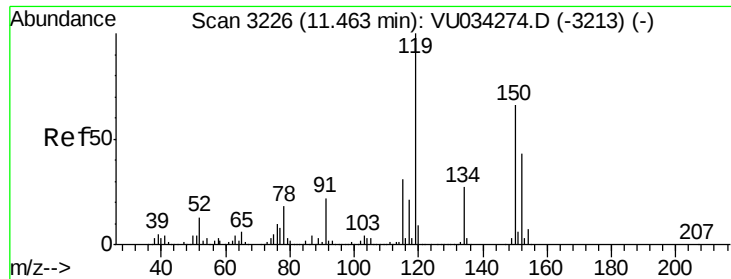


Abundance Ion 116.90 (116.60 to 117.60): VU034274.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034274.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034274.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034307.D

Acq: 06 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A4-(3.5)

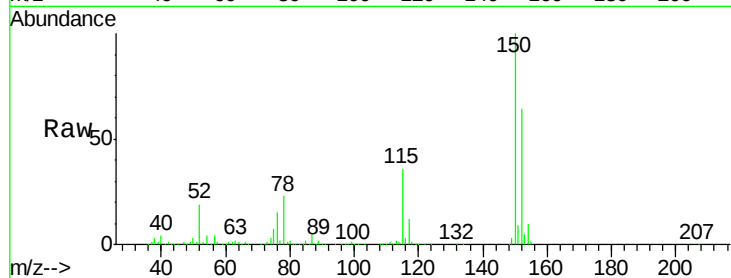
Tot Ion:152 Resp: 334418

Ion Ratio Lower Upper

152 100

115 55.7 39.1 117.3

150 156.4 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

