

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
 Data File : VU028447.D
 Acq On : 03 Dec 2018 17:28
 Operator : MD/SY
 Sample : J5764-26
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JC-02-113018-C

Quant Time: Dec 04 07:44:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	285630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	541718	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	509209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	241783	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	243594	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	4.88	113	179610	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	7.57	98	710802	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	10.30	95	256457	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

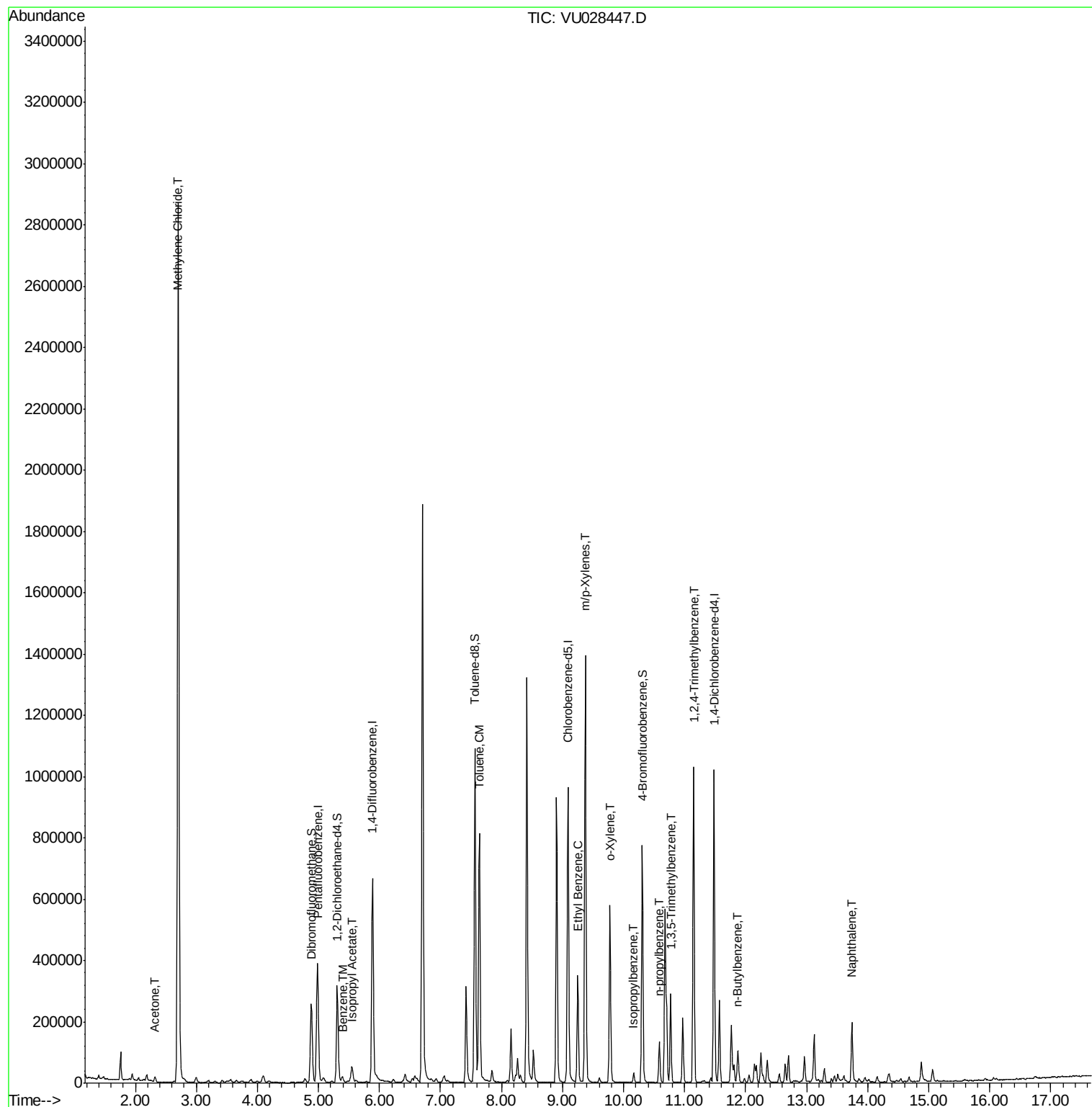
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	18847	6.454	ug/l	97
20) Methylene Chloride	2.70	84	1170908	284.637	ug/l	95
40) Benzene	5.39	78	17545	0.999	ug/l	93
43) Isopropyl Acetate	5.55	43	50227	3.924	ug/l	99
52) Toluene	7.64	92	334744	33.109	ug/l	98
67) Ethyl Benzene	9.25	91	249180	12.513	ug/l	98
68) m/p-Xylenes	9.37	106	373219	52.069	ug/l	98
69) o-Xylene	9.78	106	138846	19.486	ug/l	99
73) Isopropylbenzene	10.16	105	19481	1.036	ug/l	99
78) n-propylbenzene	10.58	91	105528	4.549	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	149474	9.432	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	551828	34.380	ug/l	99
89) n-Butylbenzene	11.88	91	18668	1.199	ug/l #	22
95) Naphthalene	13.74	128	152655	9.912	ug/l	100

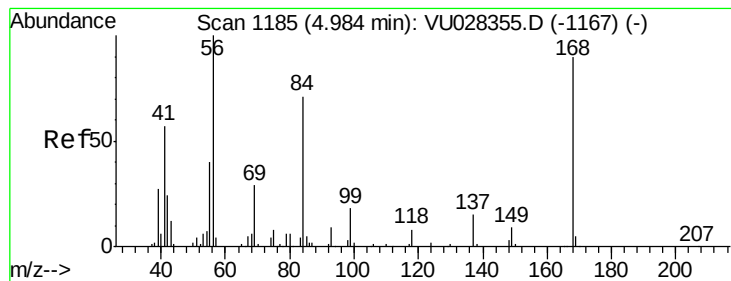
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

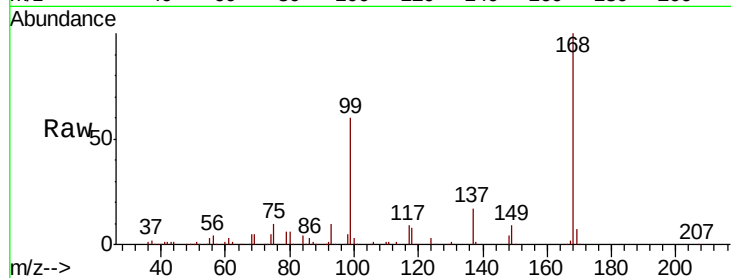
JC-02-113018-C

Tot Ion:168 Resp: 285630

Ion Ratio Lower Upper

168 100

99 60.0 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

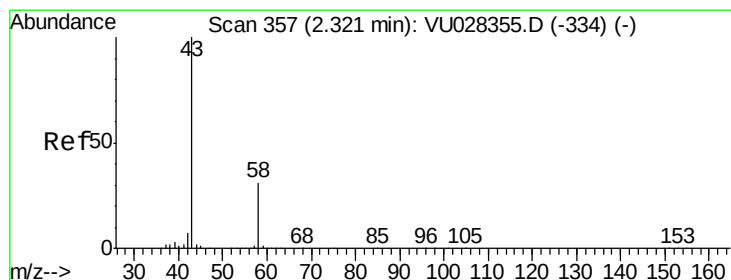
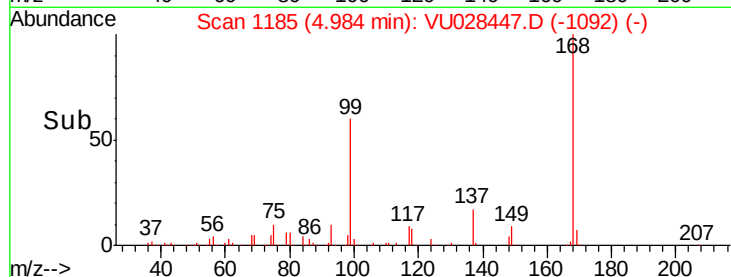
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.454 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028447.D

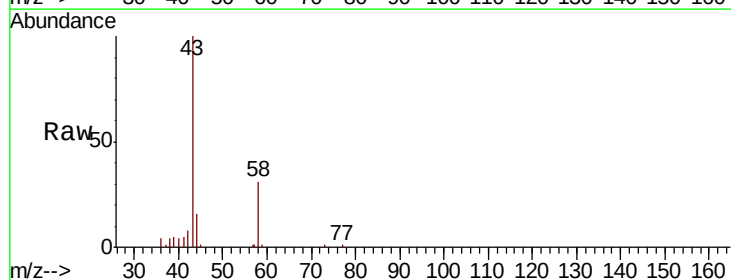
Acq: 03 Dec 2018 17:28

Tgt Ion: 43 Resp: 18847

Ion Ratio Lower Upper

43 100

58 32.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-334) (-)

2.32

12000

10000

8000

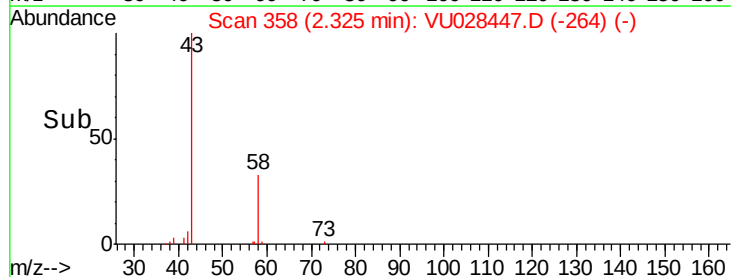
6000

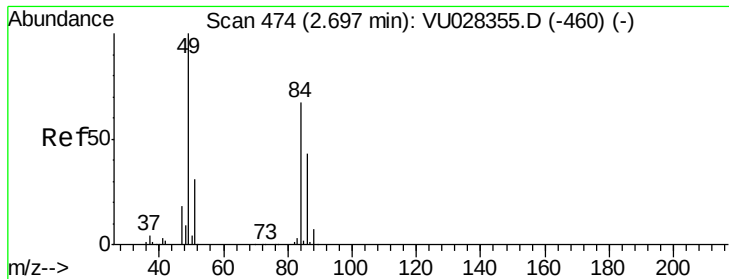
4000

2000

0

Time-->



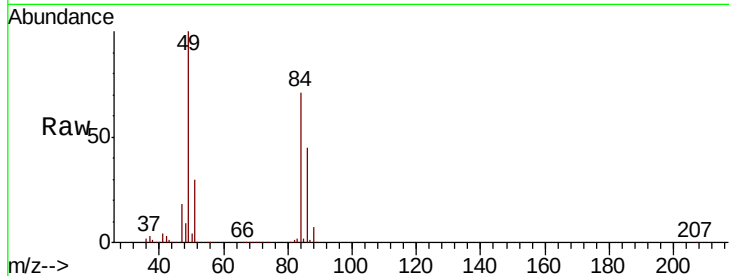


#20
Methylene Chloride
Concen: 284.637 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

Tot Ion: 84 Resp: 1170908

Ion	Ratio	Lower	Upper
84	100		
49	140.7	120.0	180.0
51	42.7	36.9	55.3
86	63.2	51.1	76.7



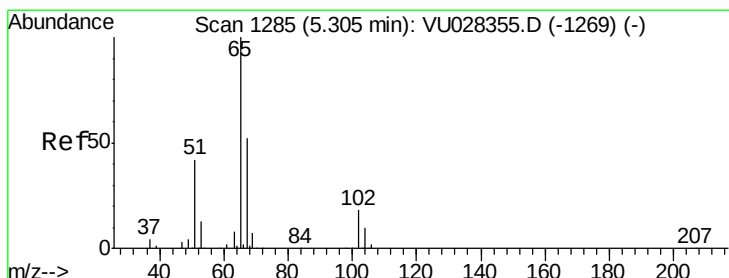
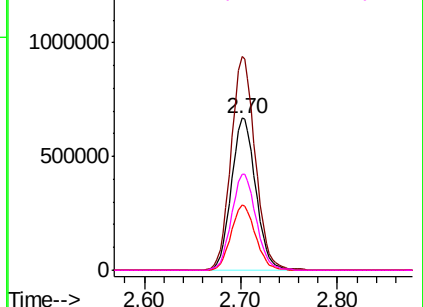
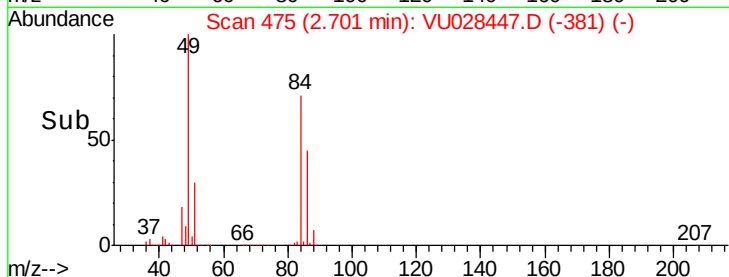
Abundance

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

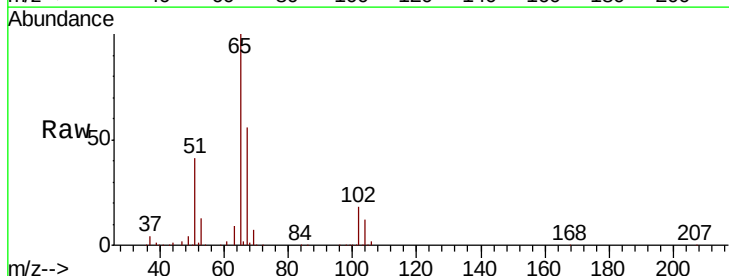
Ion 85.90 (85.60 to 86.60): VU0



#33
1,2-Dichloroethane-d4
Concen: 51.030 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 65 Resp: 243594

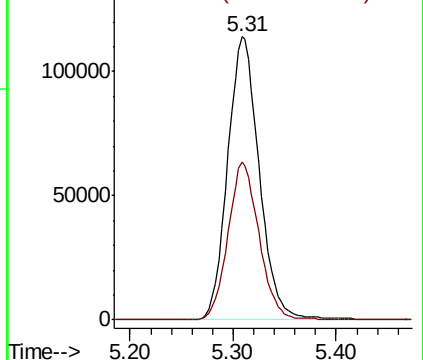
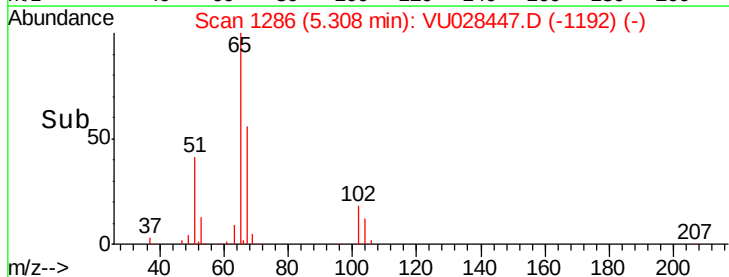
Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	106.8

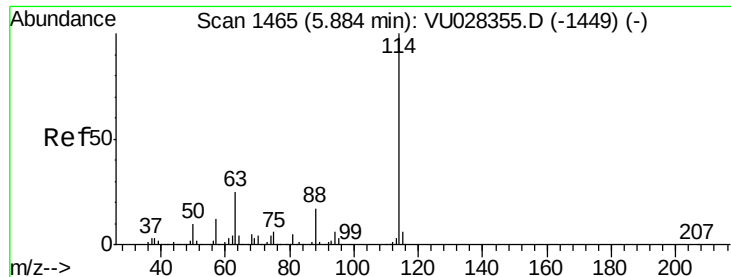


Abundance

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: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

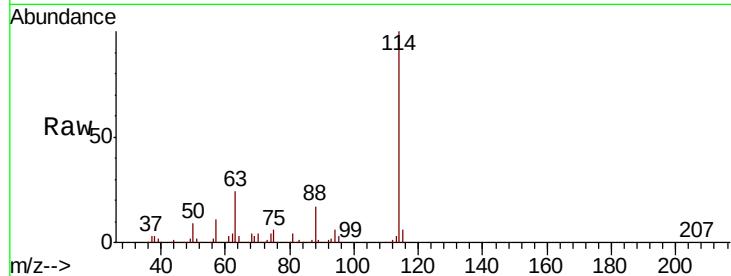
Tot Ion:114 Resp: 541718

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.0

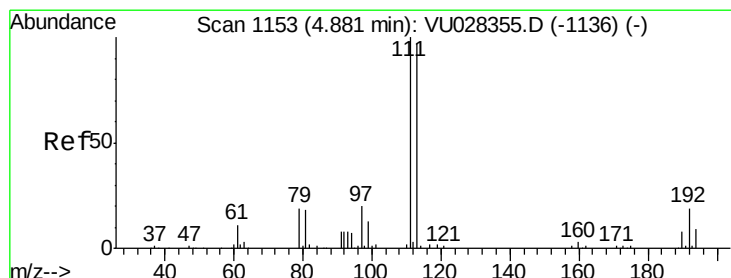
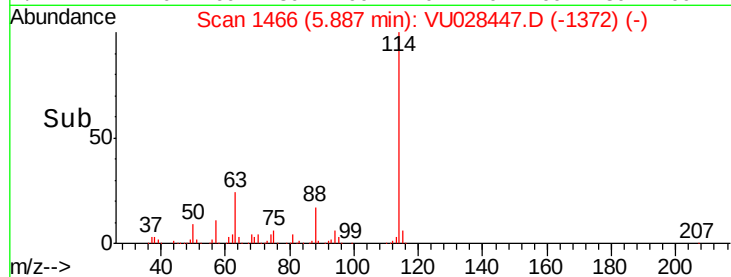
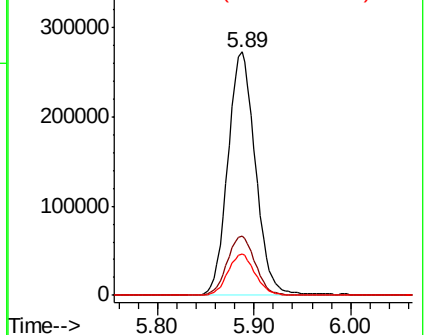
88 17.1 0.0 34.4



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: 49.861 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

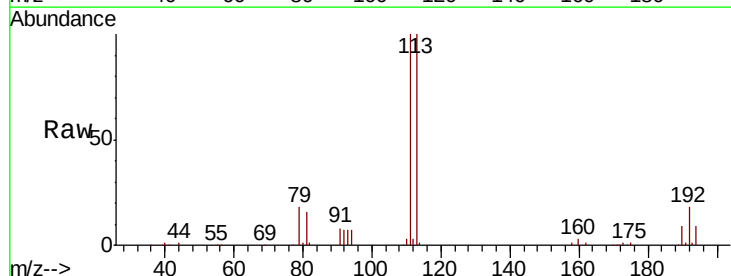
Tgt Ion:113 Resp: 179610

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

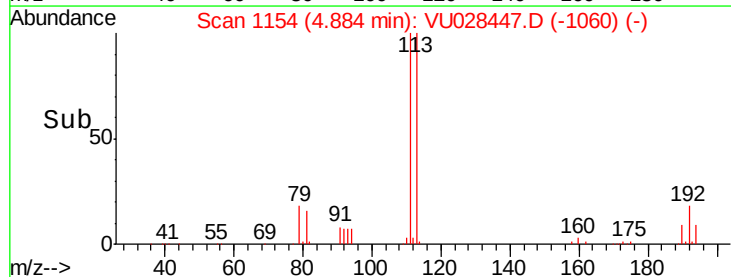
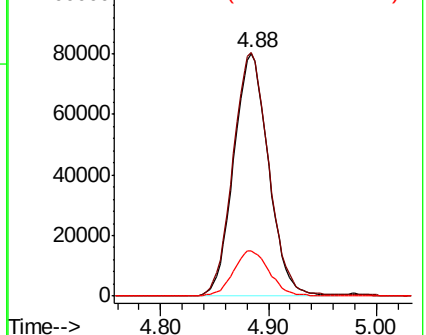
192 19.2 15.4 23.0

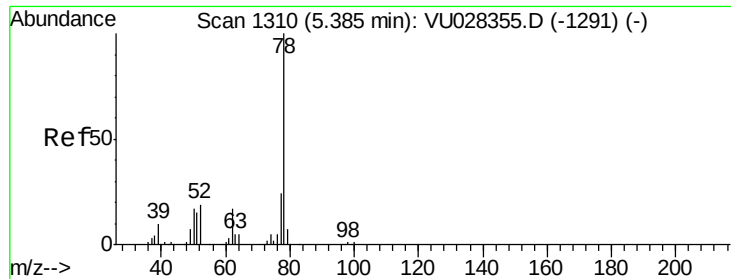


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.999 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

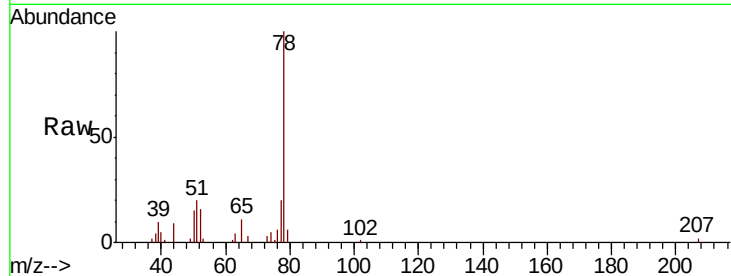
JC-02-113018-C

Tot Ion: 78 Resp: 17545

Ion Ratio Lower Upper

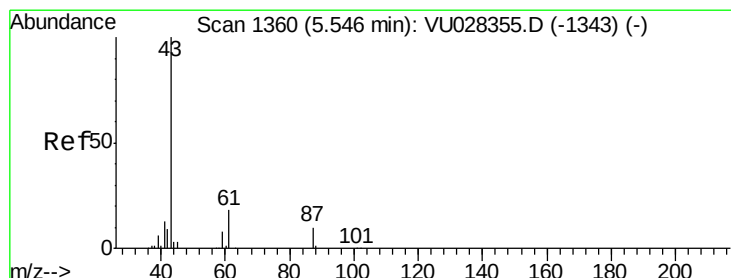
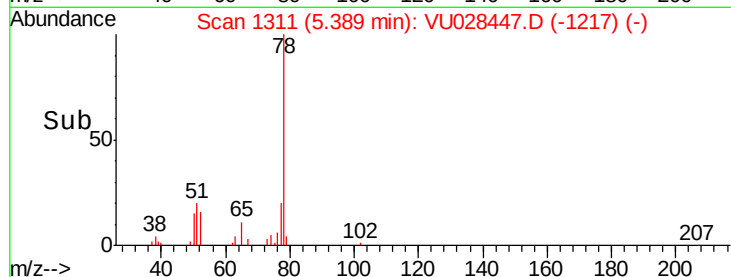
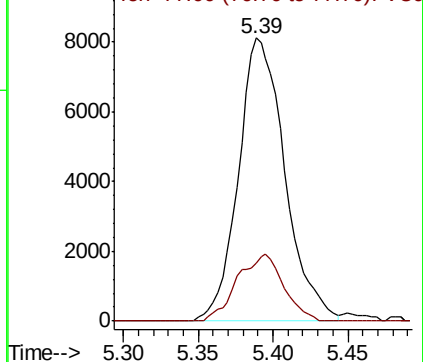
78 100

77 20.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#43

Isopropyl Acetate

Concen: 3.924 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

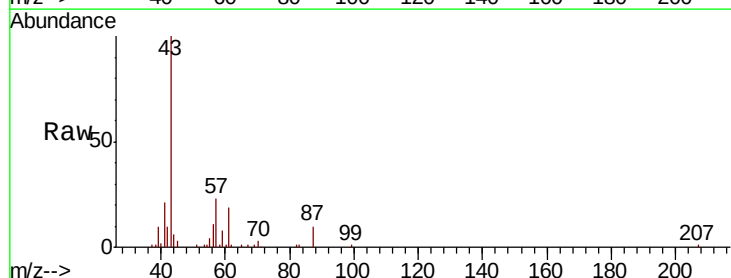
Tgt Ion: 43 Resp: 50227

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

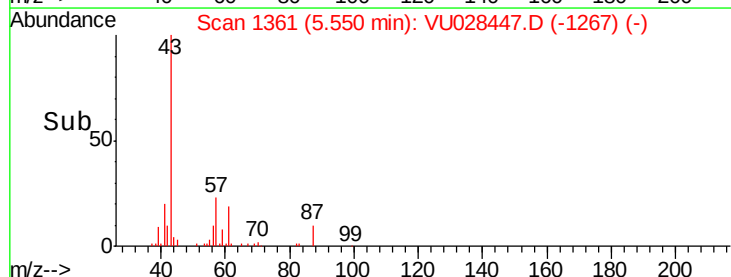
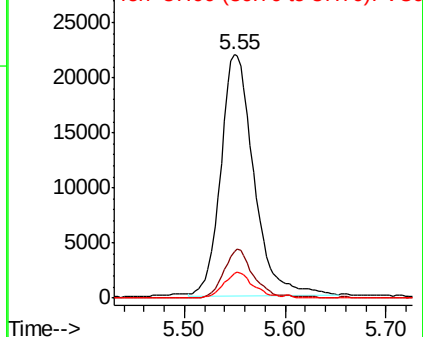
87 9.7 8.4 12.6

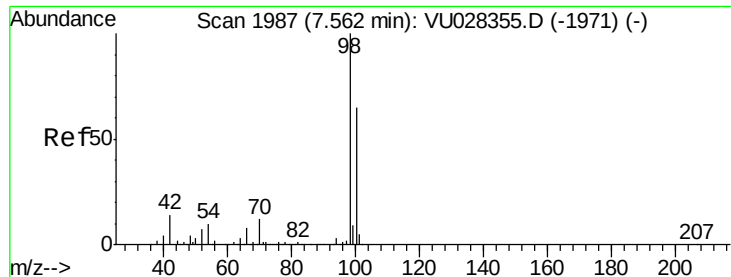


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

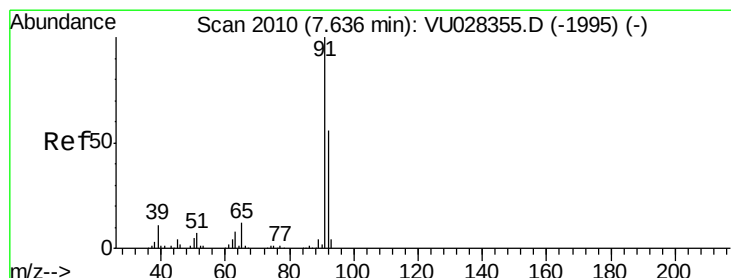
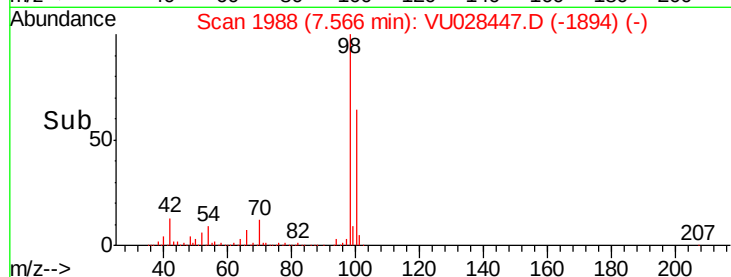
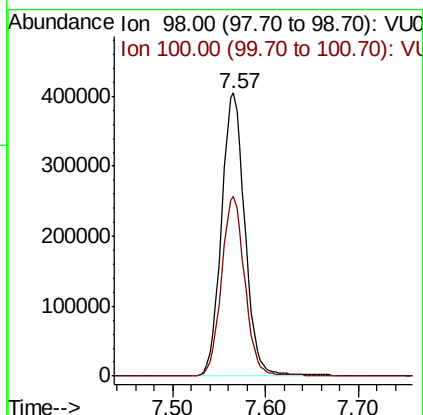
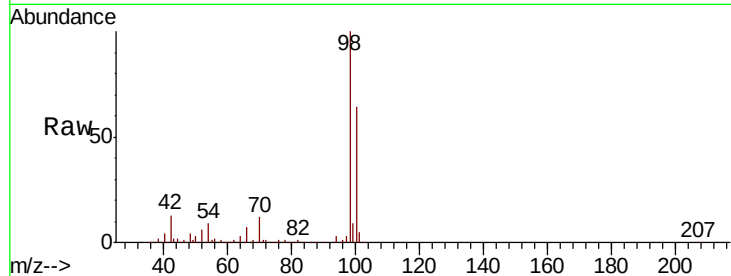




#50
Toluene-d8
Concen: 49.340 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

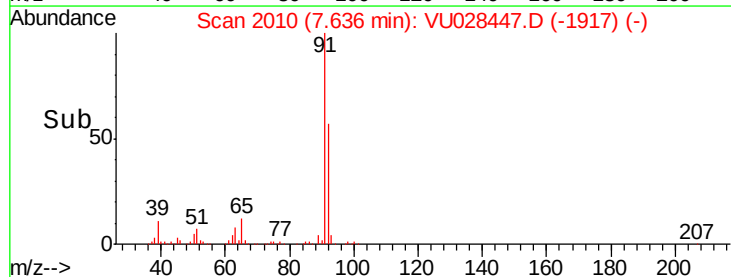
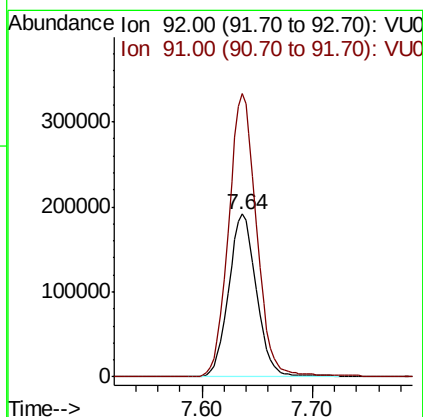
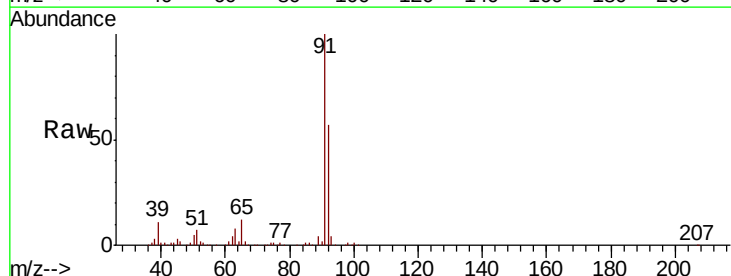
Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

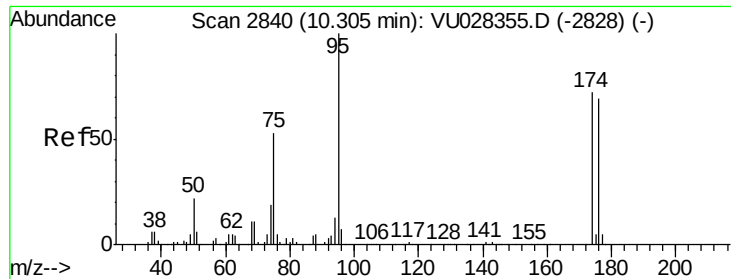
Tot Ion: 98 Resp: 710802
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2



#52
Toluene
Concen: 33.109 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 92 Resp: 334744
Ion Ratio Lower Upper
92 100
91 174.3 141.8 212.6

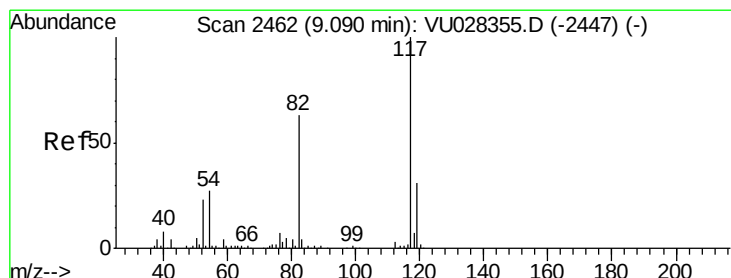
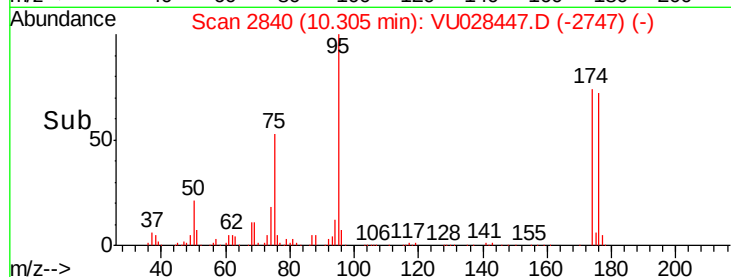
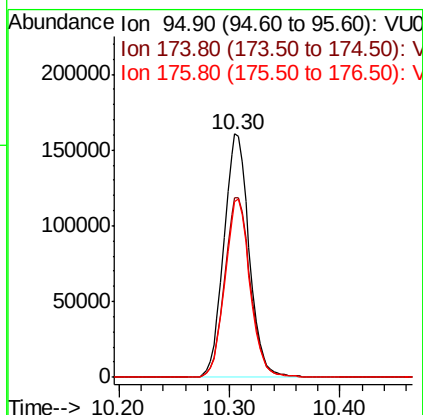
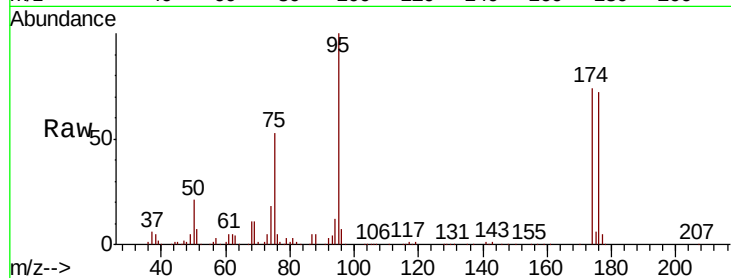




#62
4-Bromofluorobenzene
Concen: 49.391 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

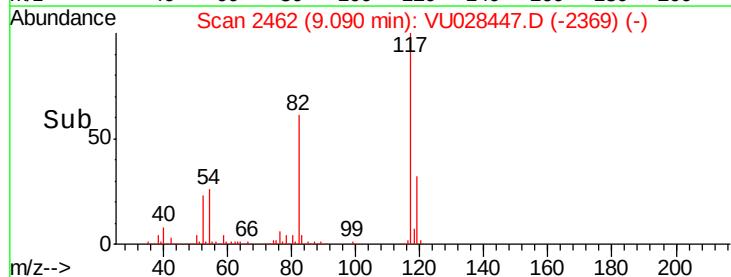
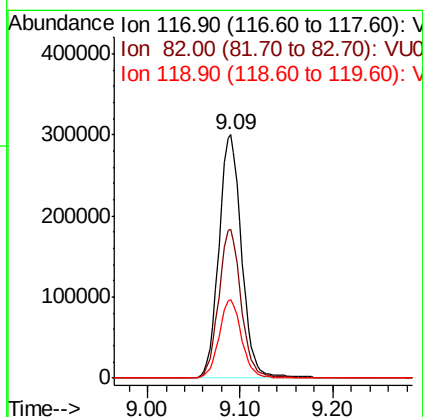
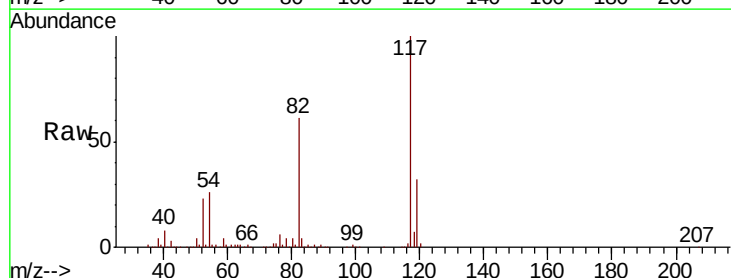
Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

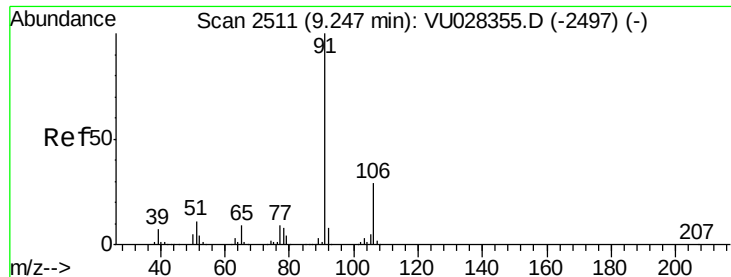
Tot Ion: 95 Resp: 256457
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.4
176 72.4 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 117 Resp: 509209
Ion Ratio Lower Upper
117 100
82 61.3 50.3 75.5
119 32.2 24.8 37.2





#67

Ethyl Benzene

Concen: 12.513 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

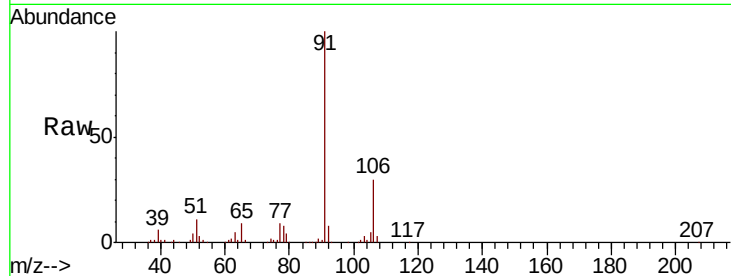
JC-02-113018-C

Tot Ion: 91 Resp: 249180

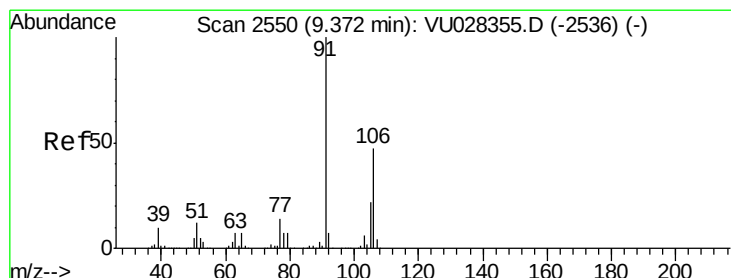
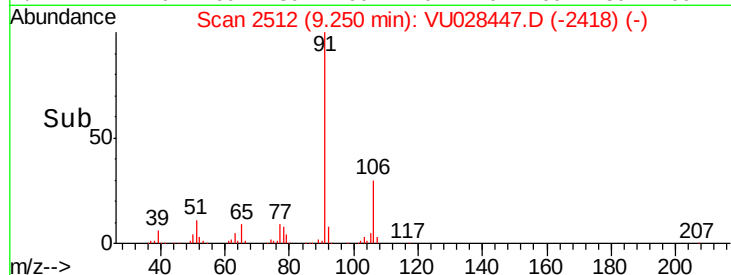
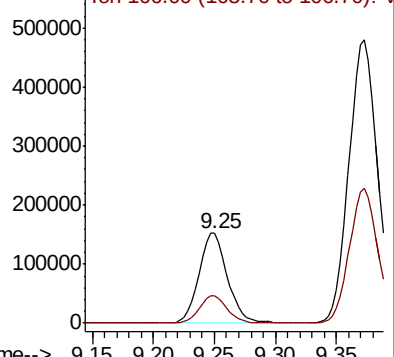
Ion Ratio Lower Upper

91 100

106 30.4 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2497) (-)



#68

m/p-Xylenes

Concen: 52.069 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028447.D

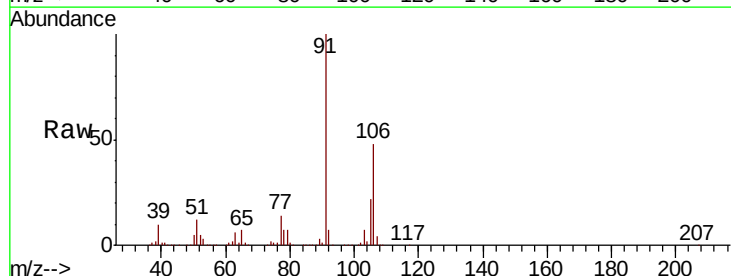
Acq: 03 Dec 2018 17:28

Tgt Ion: 106 Resp: 373219

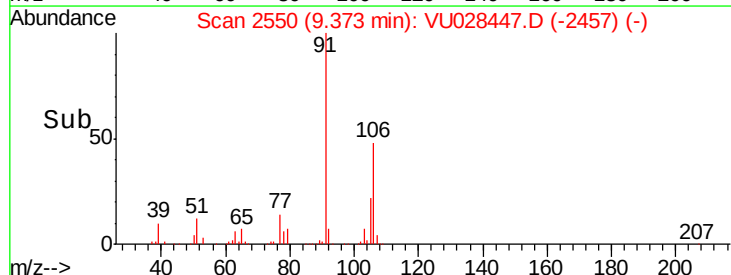
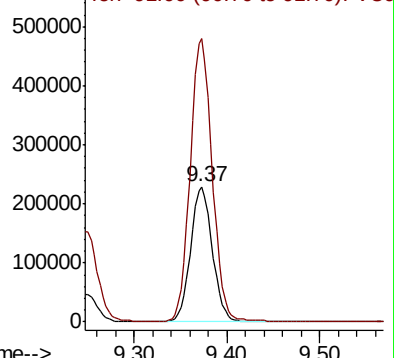
Ion Ratio Lower Upper

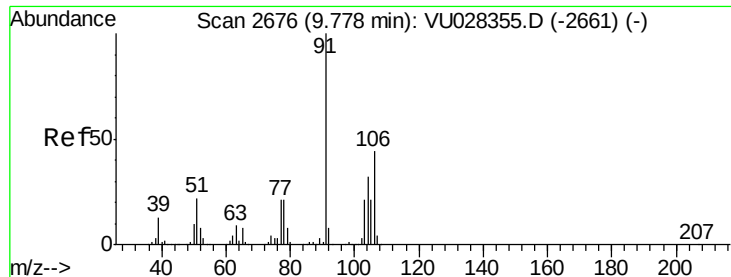
106 100

91 211.4 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028355.D (-2536) (-)

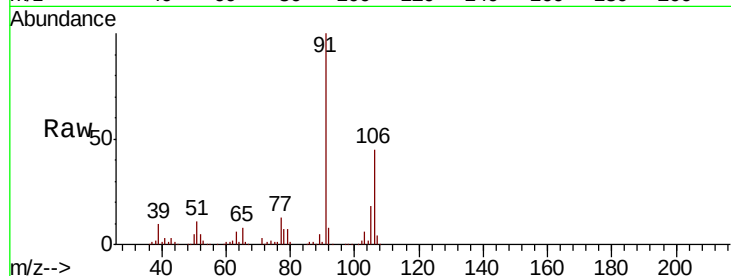




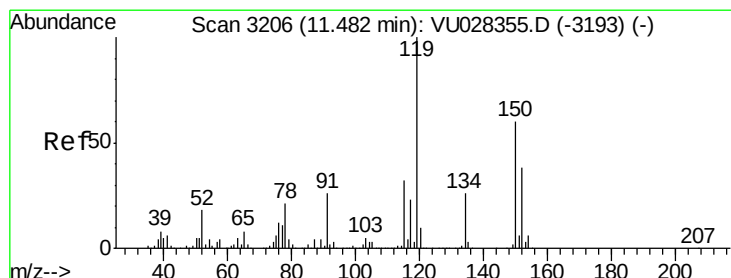
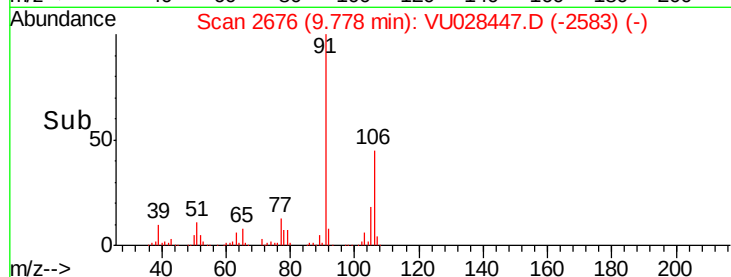
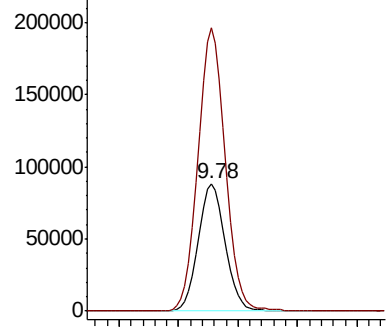
#69
o-Xylene
Concen: 19.486 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

Tot Ion:106 Resp: 138846
Ion Ratio Lower Upper
106 100
91 224.1 112.7 338.0

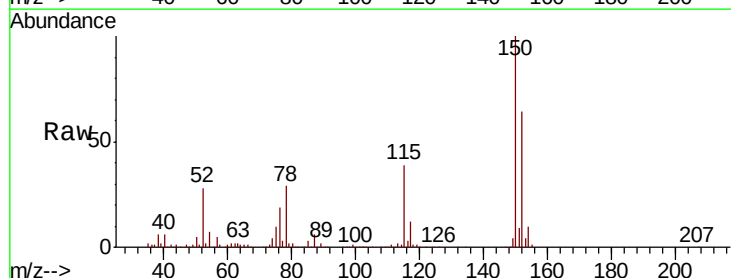


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

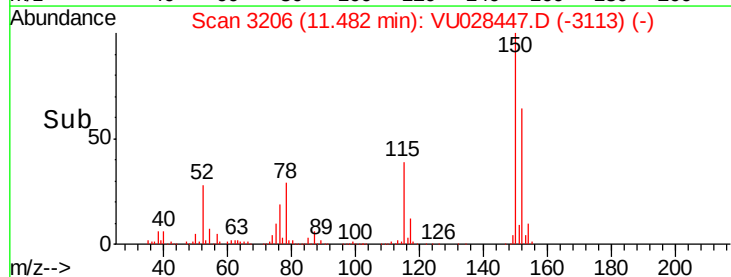
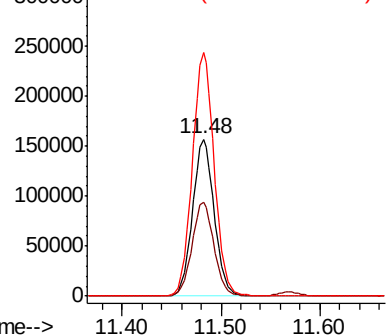


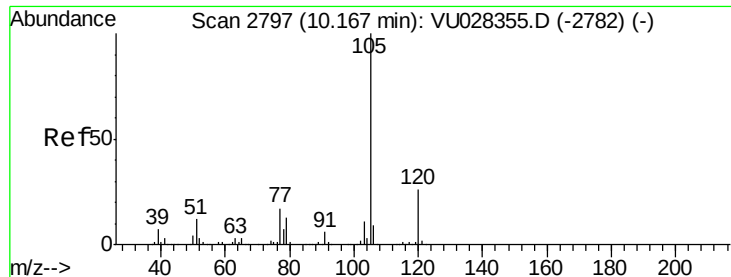
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion:152 Resp: 241783
Ion Ratio Lower Upper
152 100
115 60.2 45.0 134.8
150 156.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 1.036 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

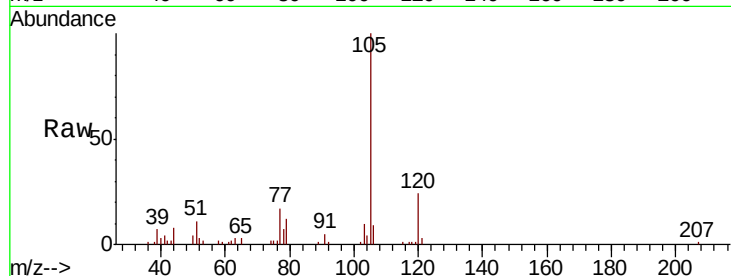
JC-02-113018-C

Tot Ion:105 Resp: 19481

Ion Ratio Lower Upper

105 100

120 24.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

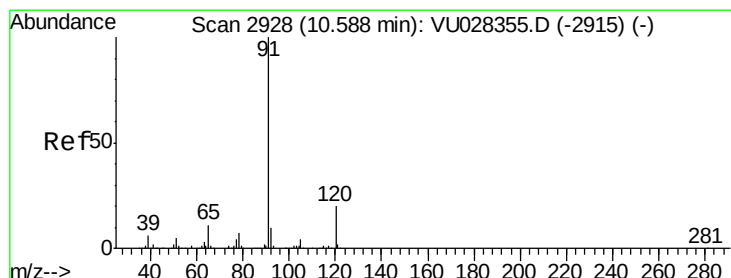
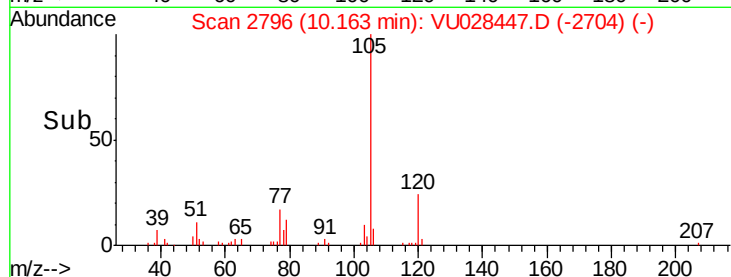
10000

5000

0

Time-->

10.10 10.15 10.20 10.25



#78

n-propylbenzene

Concen: 4.549 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028447.D

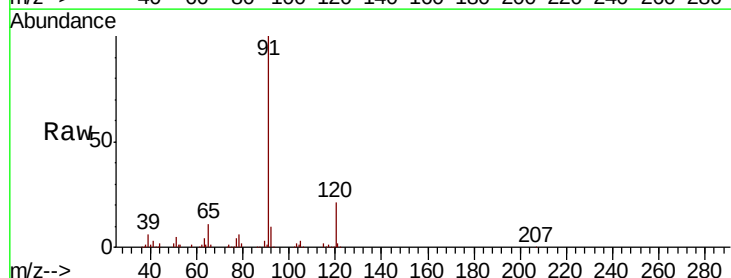
Acq: 03 Dec 2018 17:28

Tgt Ion: 91 Resp: 105528

Ion Ratio Lower Upper

91 100

120 21.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.58

80000

60000

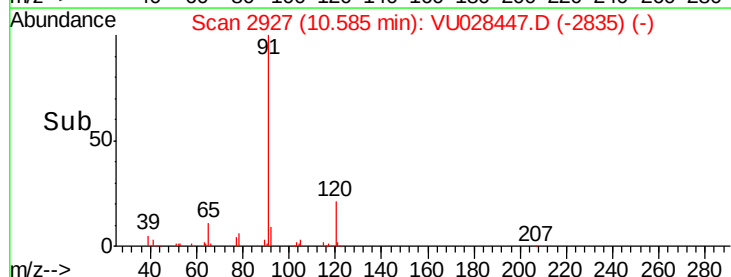
40000

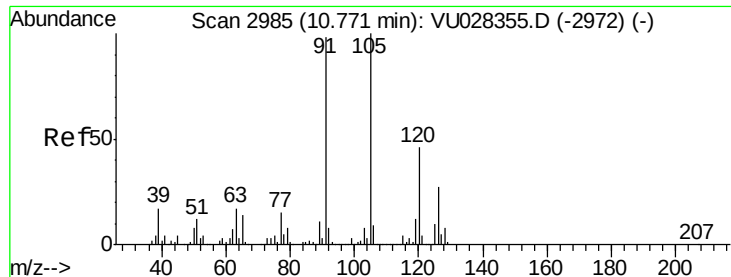
20000

0

Time-->

10.50 10.55 10.60 10.65





#80

1,3,5-Trimethylbenzene

Concen: 9.432 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

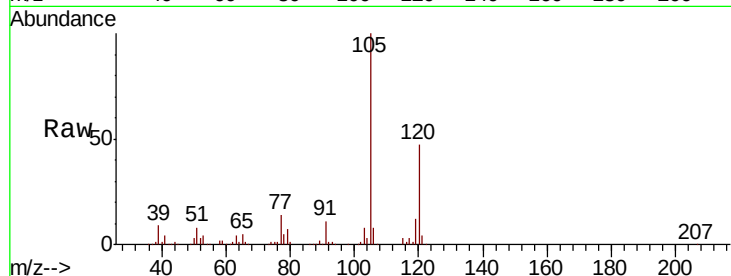
JC-02-113018-C

Tot Ion:105 Resp: 149474

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

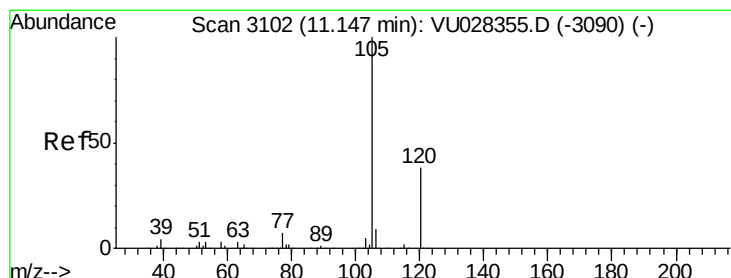
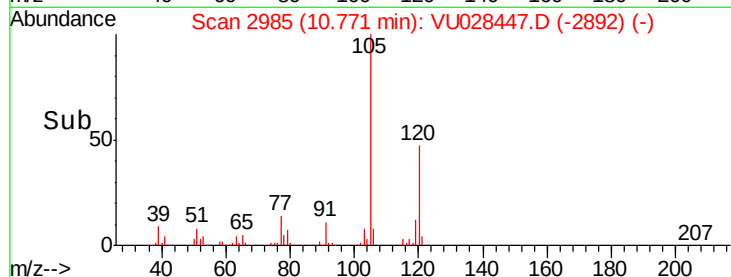
100000

50000

0

10.70 10.75 10.80 10.85

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 34.380 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028447.D

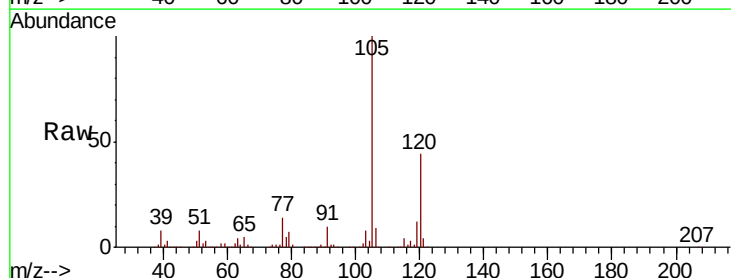
Acq: 03 Dec 2018 17:28

Tgt Ion:105 Resp: 551828

Ion Ratio Lower Upper

105 100

120 43.5 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

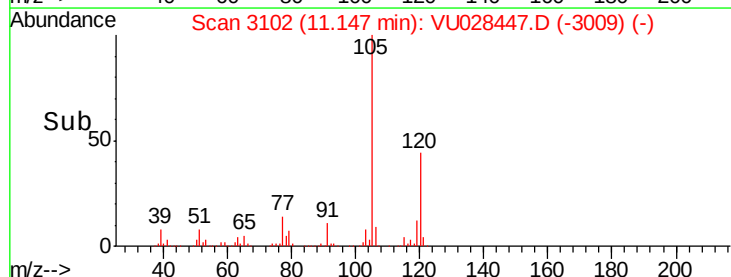
200000

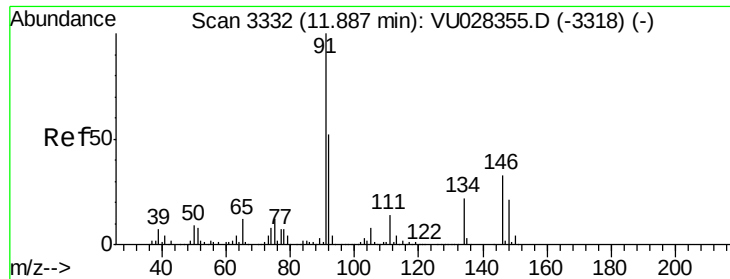
100000

0

11.10 11.15 11.20

Time-->

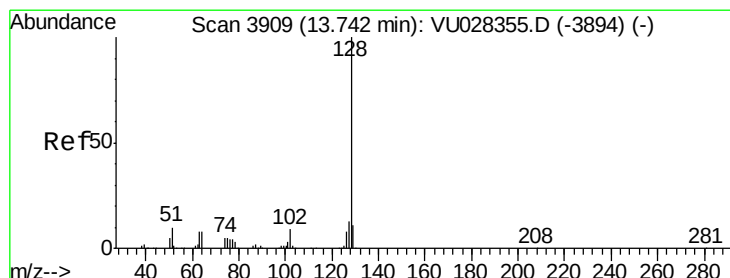
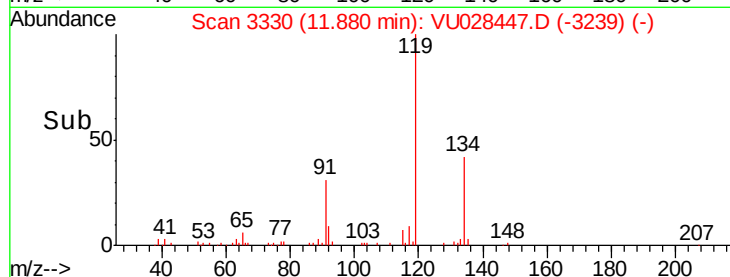
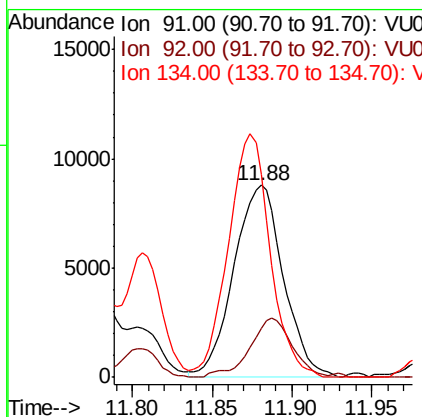
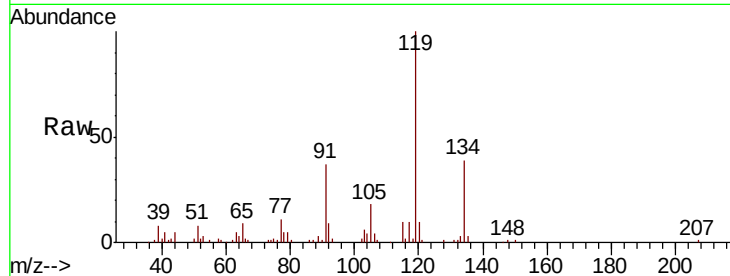




#89
n-Butylbenzene
Concen: 1.199 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

Tot Ion: 91 Resp: 18668
Ion Ratio Lower Upper
91 100
92 26.2 26.2 78.5
134 106.4 11.1 33.1#



#95
Naphthalene
Concen: 9.912 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 128 Resp: 152655
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.5 8.6 12.8

