

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026981.D
 Acq On : 21 Sep 2018 20:52
 Operator : MD/SY
 Sample : J4916-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW03SR1-20180911

Manual Integrations
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 9/24/2018 2:14:15 PM

Quant Time: Sep 22 04:21:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	76981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89521	57.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.56%	
35) Dibromofluoromethane	4.88	113	66818	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
50) Toluene-d8	7.57	98	254215	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.31	95	91958	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.70	64	86222	83.425	ug/l	97
12) 1,1-Dichloroethene	2.29	96	2032	1.911	ug/l	95
24) 1,1-Dichloroethane	3.45	63	7787	3.065	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	2534	1.977	ug/l	94
39) Methylcyclohexane	6.42	83	39853	17.449	ug/l	97
40) Benzene	5.40	78	5418	0.848	ug/l	93
67) Ethyl Benzene	9.25	91	722925	105.749	ug/l	100
68) m/p-Xylenes	9.38	106	2761m	2.483	ug/l	
73) Isopropylbenzene	10.17	105	219500	35.597	ug/l	100
78) n-propylbenzene	10.59	91	288178	39.498	ug/l	100
83) tert-Butylbenzene	11.10	119	13725	2.727	ug/l	89
84) 1,2,4-Trimethylbenzene	11.15	105	15713	3.033	ug/l	100
85) sec-Butylbenzene	11.32	105	66140	10.767	ug/l	99
86) p-Isopropyltoluene	11.48	119	6306	2.001	ug/l	93
89) n-Butylbenzene	11.89	91	31227	7.714	ug/l #	74
91) 1,2-Dichlorobenzene	11.88	146	29308	9.840	ug/l	98
95) Naphthalene	13.74	128	732454	107.144	ug/l	99

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

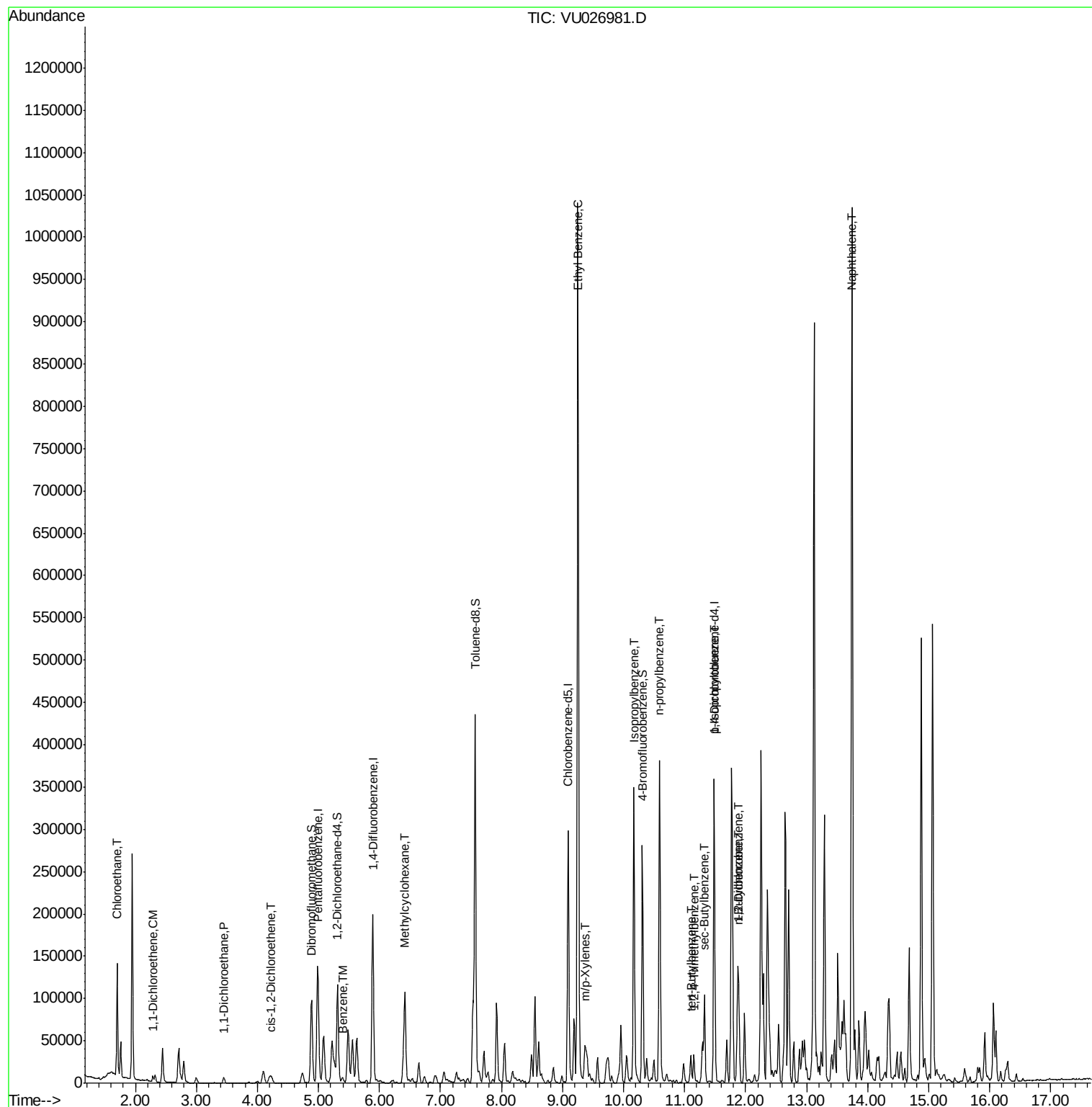
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092218\
Data File : VU026981.D
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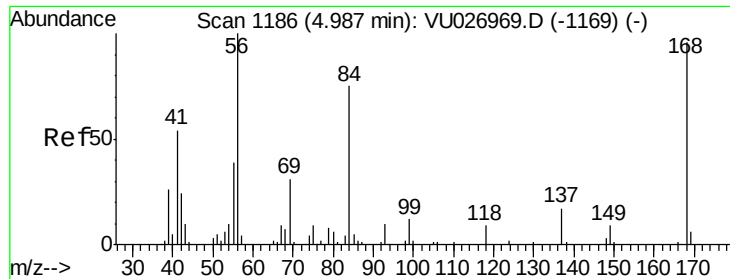
Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026981.D

Acq: 21 Sep 2018 20:52

Instrument :

MSVOA_U

ClientSampleId :

FC-MW03SR1-20180911

Tot Ion:168 Resp: 76981

Ion Ratio Lower Upper

168 100

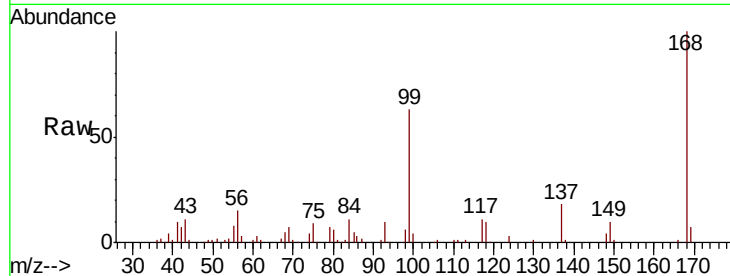
99 63.2 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): VU026981.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU026981.D (-1093) (-)

4.99

40000

30000

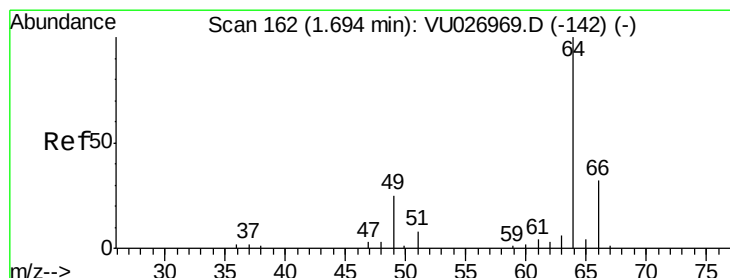
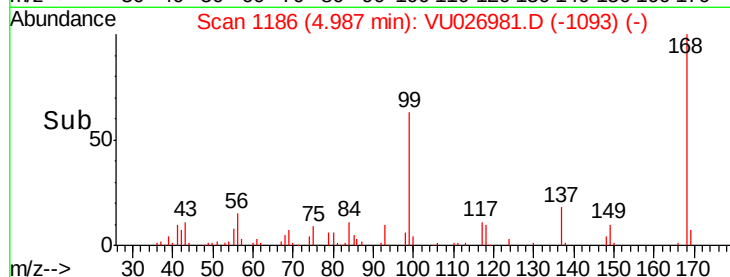
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 83.425 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU026981.D

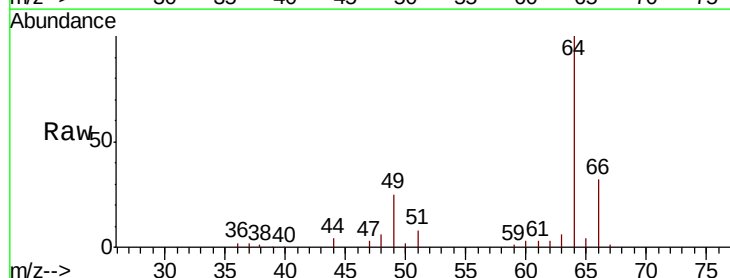
Acq: 21 Sep 2018 20:52

Tgt Ion: 64 Resp: 86222

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026981.D (-69) (-)

Ion 65.90 (65.60 to 66.60): VU026981.D (-69) (-)

1.70

80000

60000

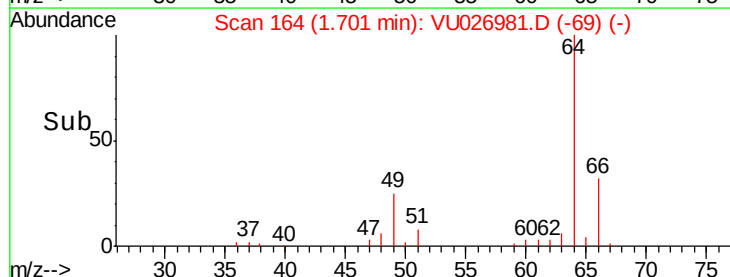
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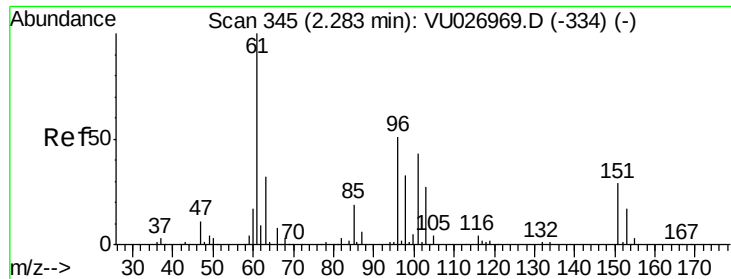
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0

1.65 1.70 1.75

Time-->





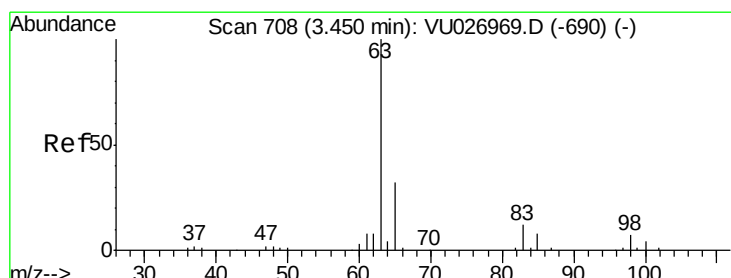
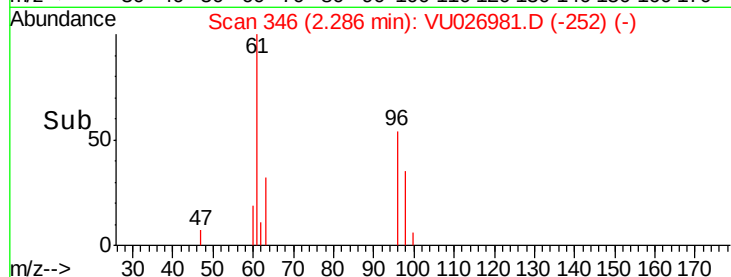
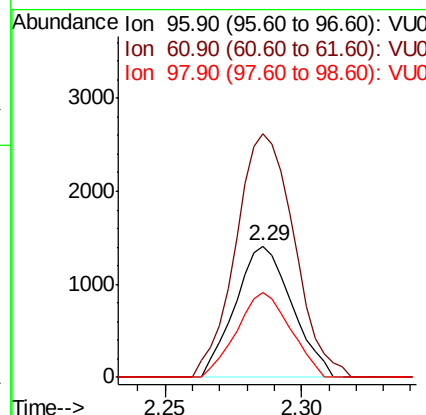
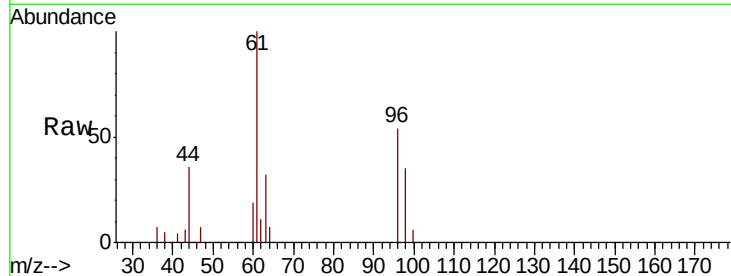
#12
 1,1-Dichloroethene
 Concen: 1.911 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU026981.D
 Acq: 21 Sep 2018 20:52

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW03SR1-20180911

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.8	156.1	234.1
98	64.3	51.4	77.0

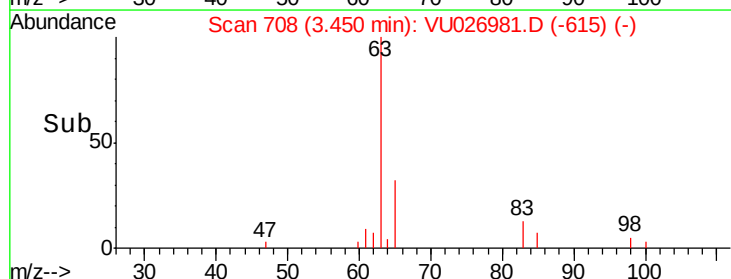
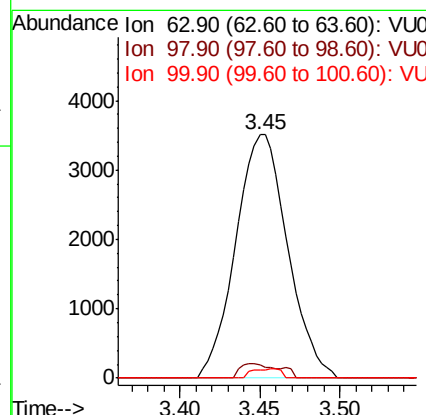
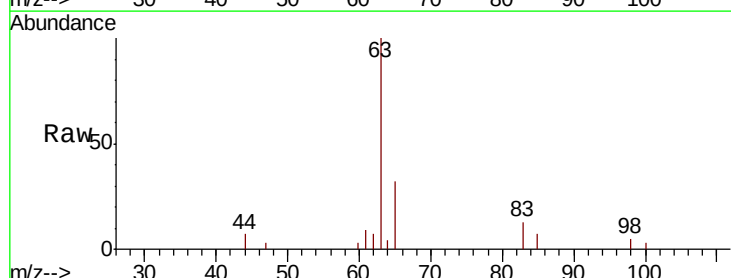
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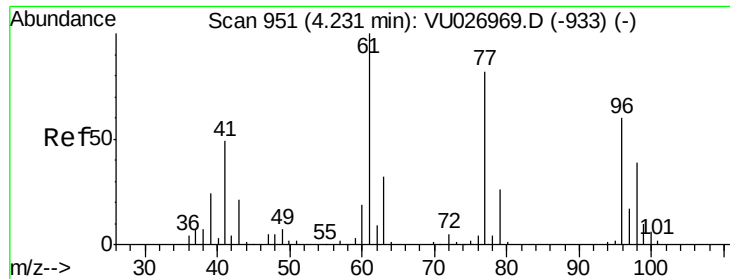
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#24
 1,1-Dichloroethane
 Concen: 3.065 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU026981.D
 Acq: 21 Sep 2018 20:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.3	9.8
100	3.1	2.0	5.8





#27

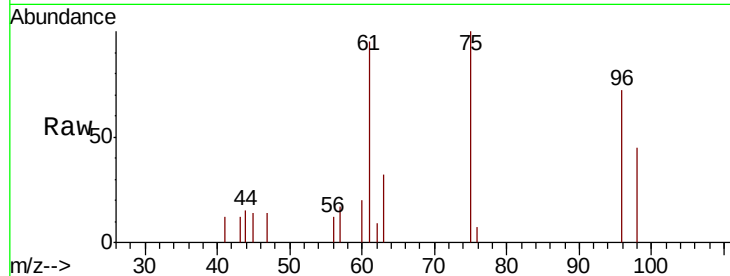
cis-1,2-Dichloroethene
Concen: 1.977 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

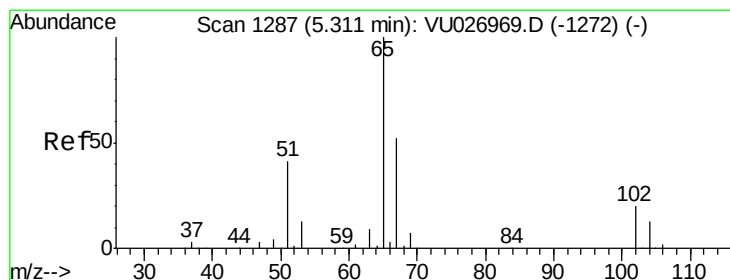
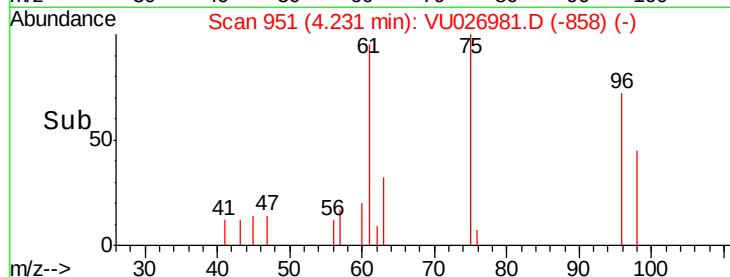
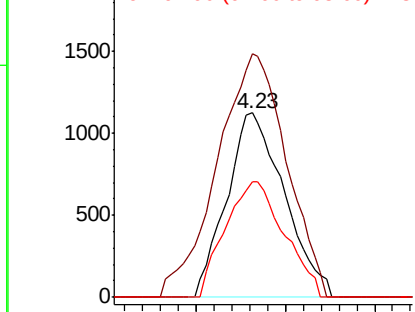
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	337.2
98	64.0	0.0	127.6

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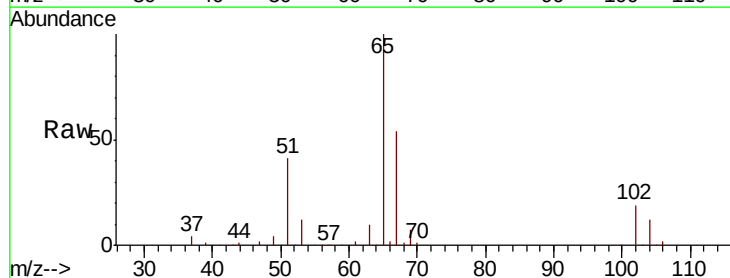
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



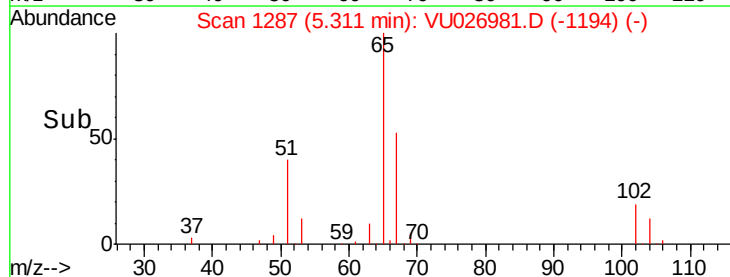
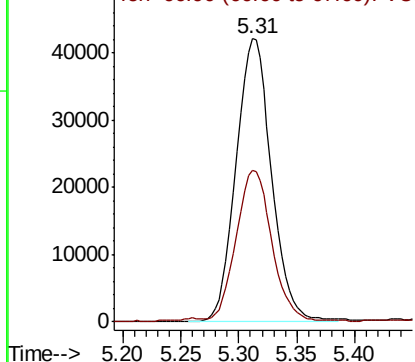
#33

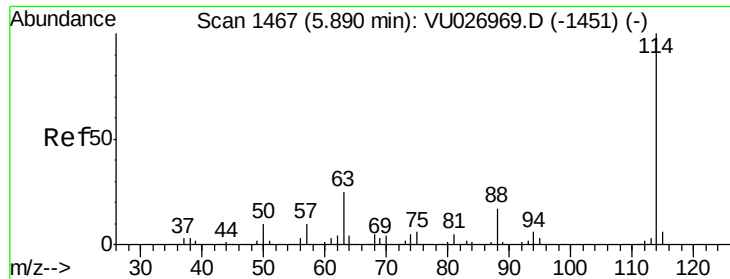
1,2-Dichloroethane-d4
Concen: 57.779 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.6



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





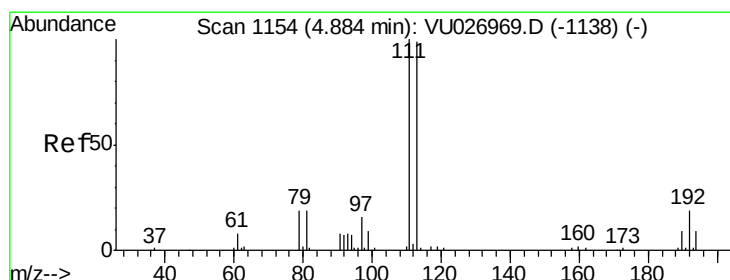
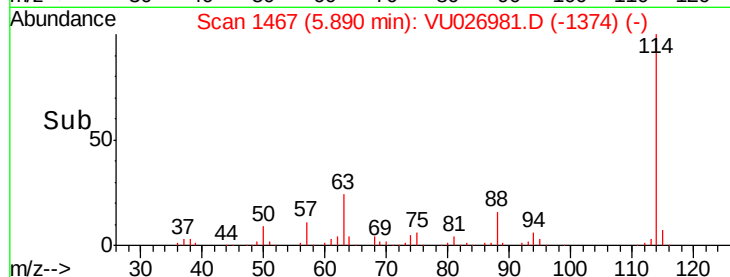
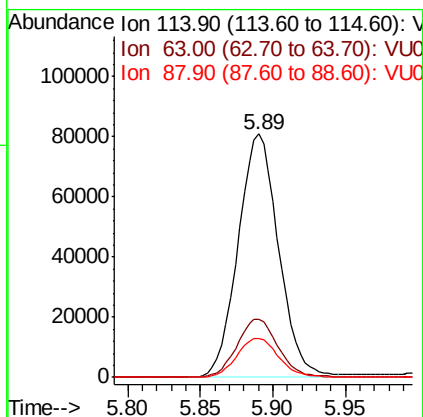
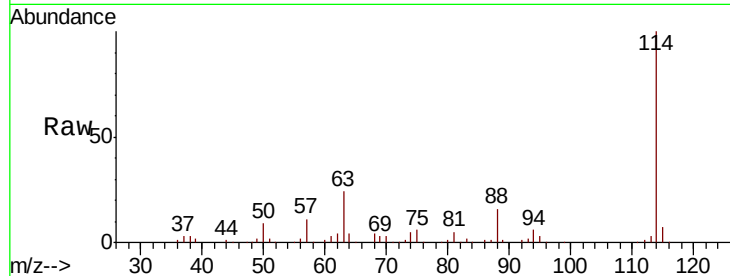
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026981.D
 Acq: 21 Sep 2018 20:52

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW03SR1-20180911

Tot Ion	Ratio	Resp	Lower	Upper
114	100	157477		
63	23.9		0.0	49.2
88	16.0		0.0	33.8

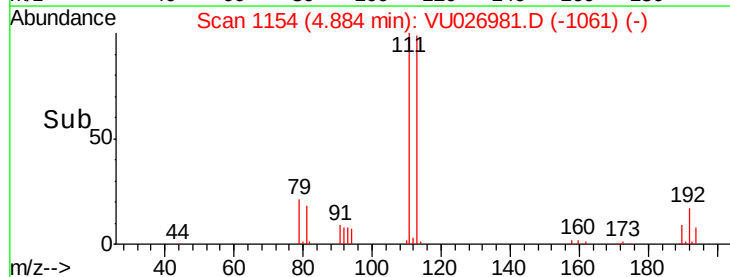
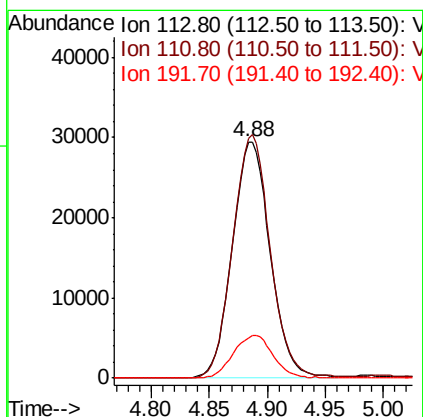
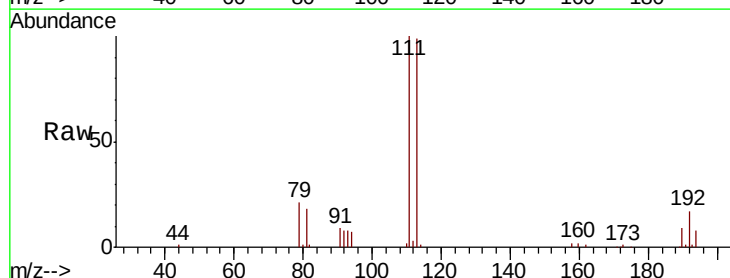
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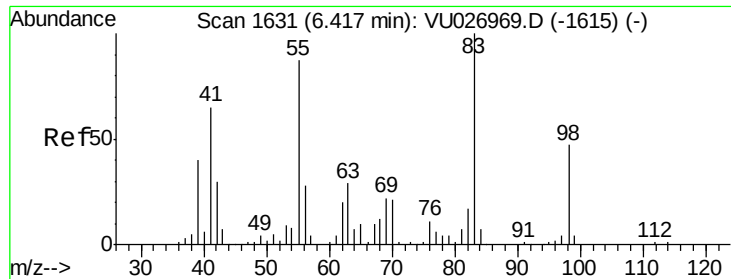
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#35
 Dibromofluoromethane
 Concen: 48.950 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026981.D
 Acq: 21 Sep 2018 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	66818		
111	102.1		82.2	123.4
192	19.0		15.2	22.8





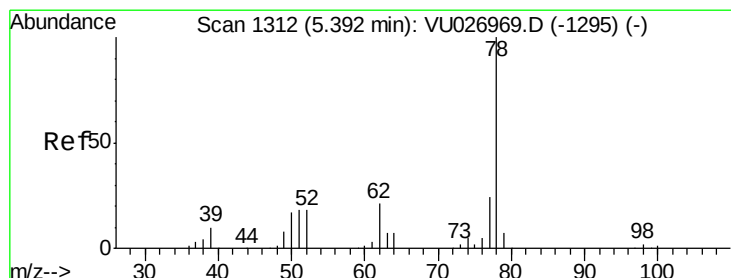
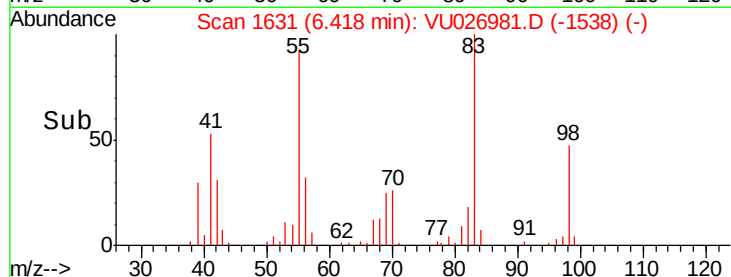
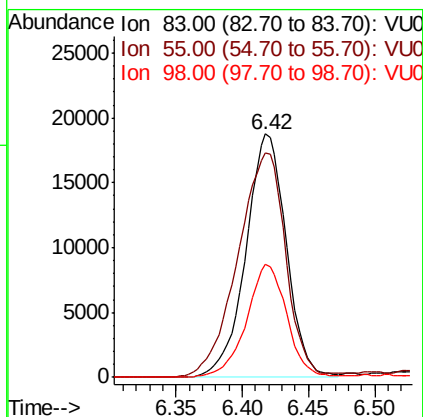
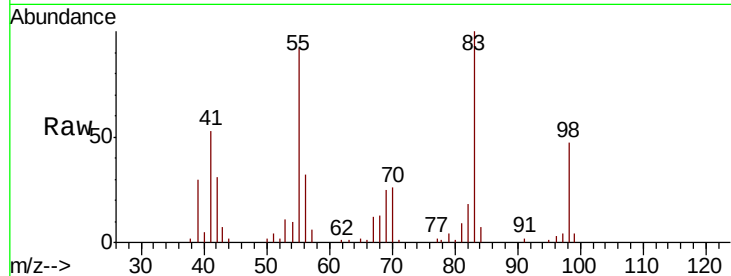
#39
Methylvlcyclohexane
Concen: 17.449 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.3	69.9	104.9
98	46.5	37.5	56.3

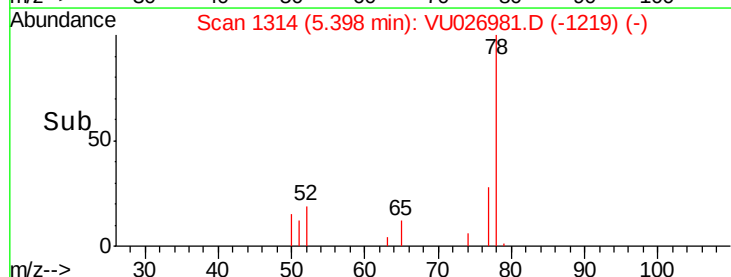
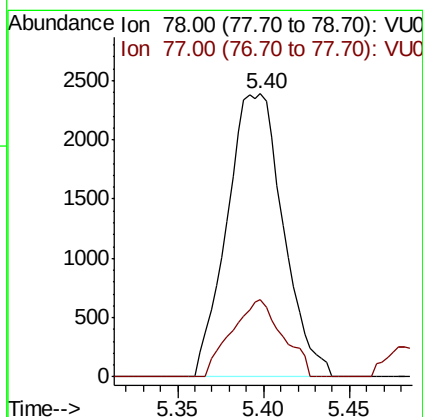
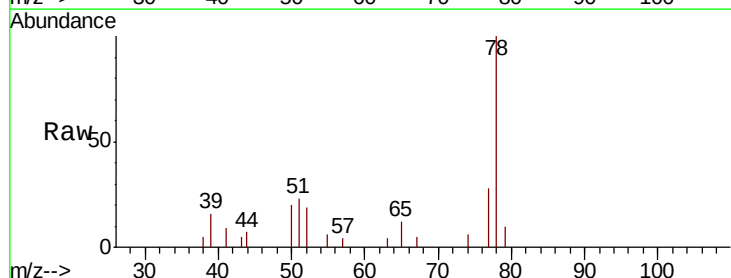
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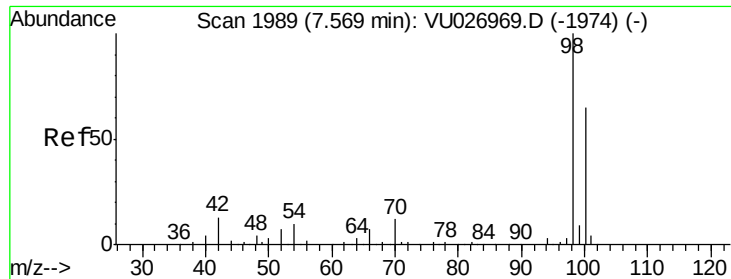
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#40
Benzene
Concen: 0.848 ug/l
RT: 5.40 min Scan# 1314
Delta R.T. 0.01 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.5	19.4	29.0





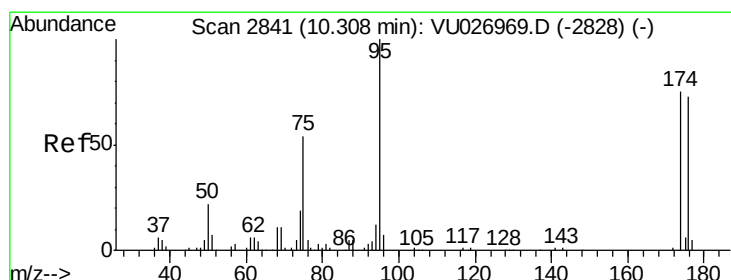
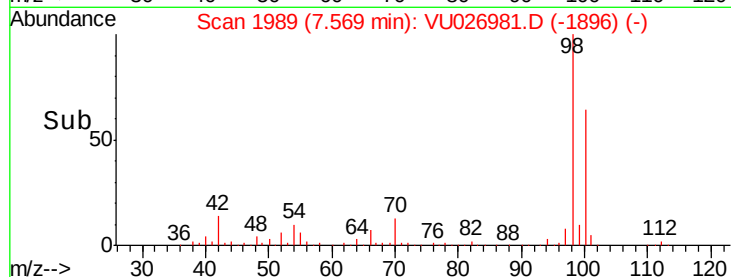
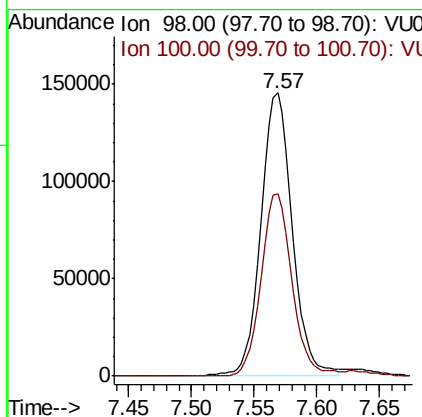
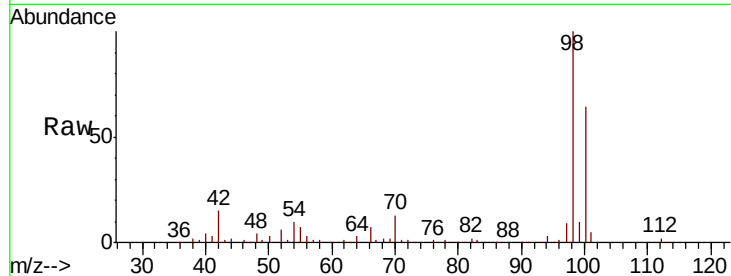
#50
Toluene-d8
Concen: 48.868 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

Tot Ion: 98 Resp: 254215
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1

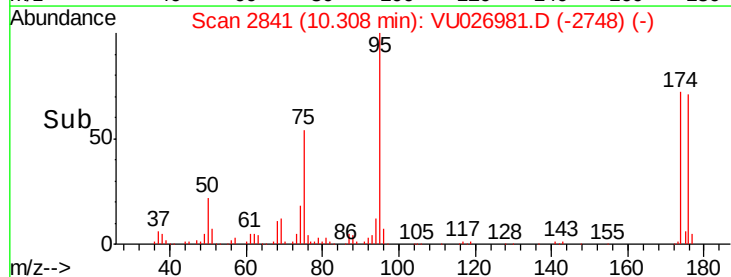
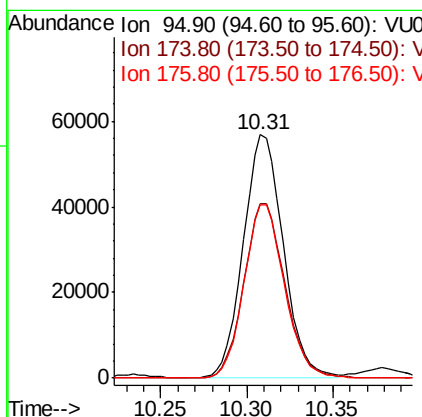
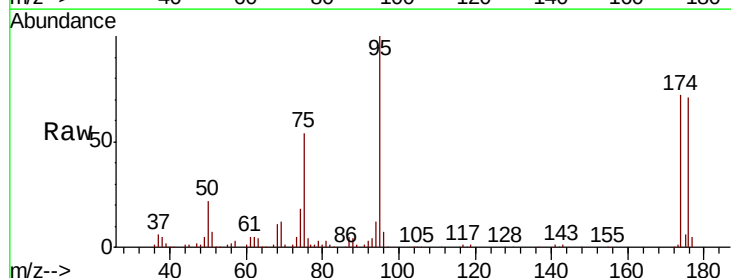
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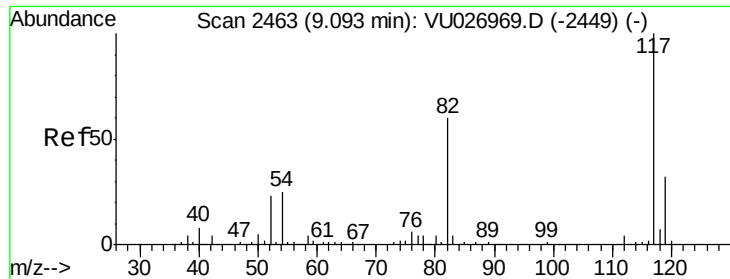
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#62
4-Bromofluorobenzene
Concen: 51.517 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Tgt Ion: 95 Resp: 91958
Ion Ratio Lower Upper
95 100
174 73.4 0.0 150.2
176 71.8 0.0 145.2





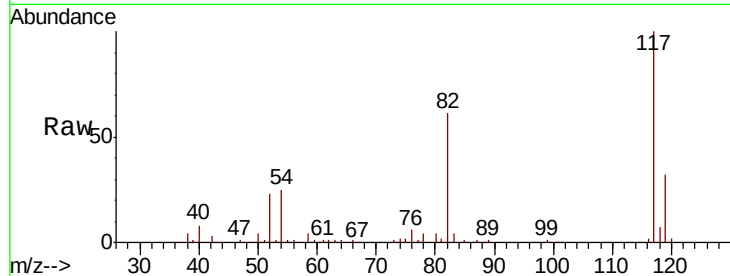
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.0	72.0
119	31.5	25.8	38.8

Manual Integrations
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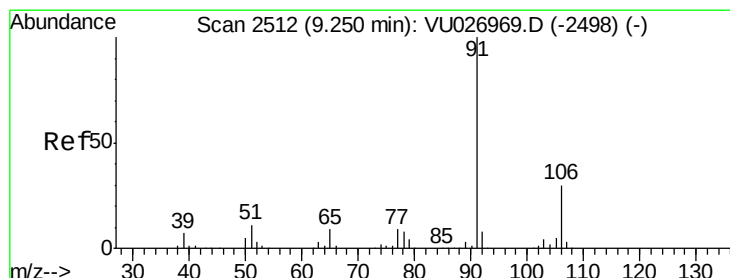
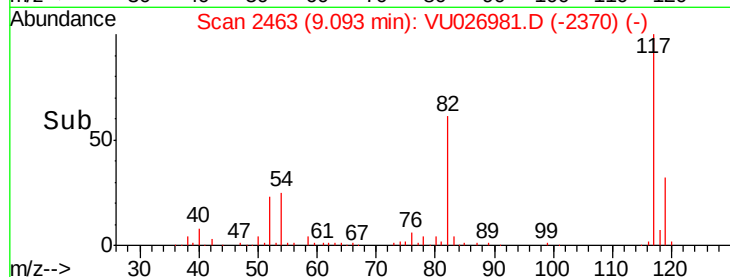
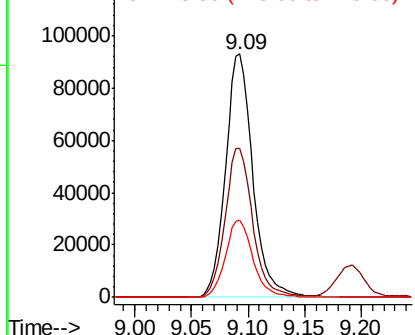


Abundance

Ion 116.90 (116.60 to 117.60): V

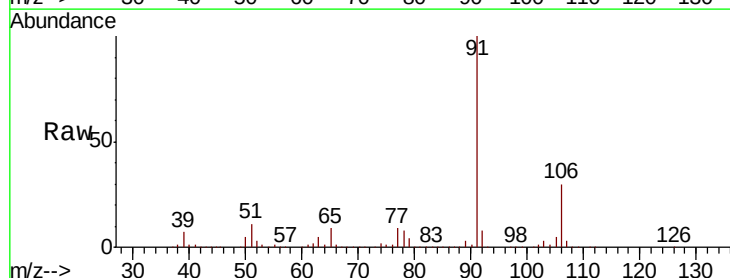
Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#67
Ethyl Benzene
Concen: 105.749 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

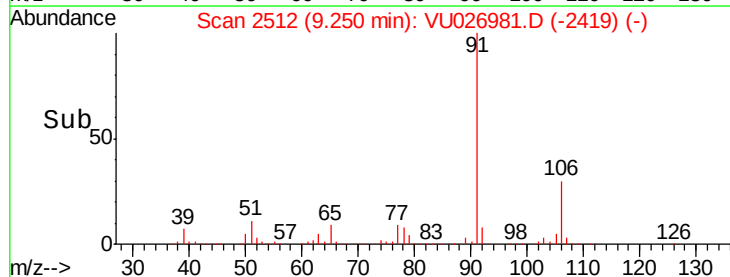
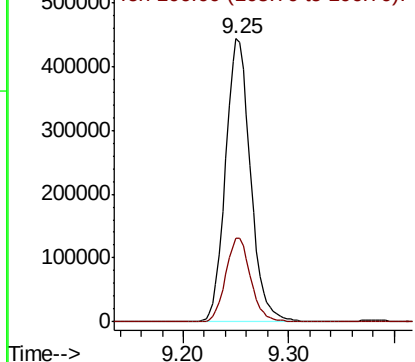
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.8	35.8

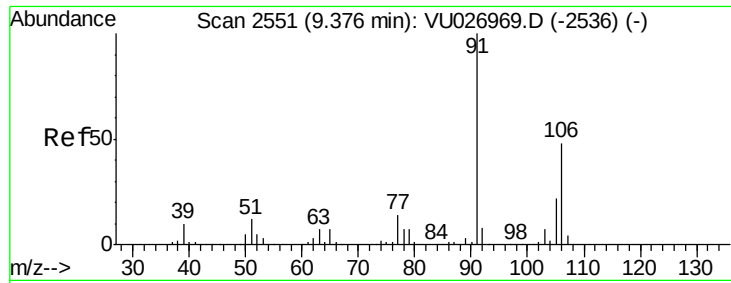


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





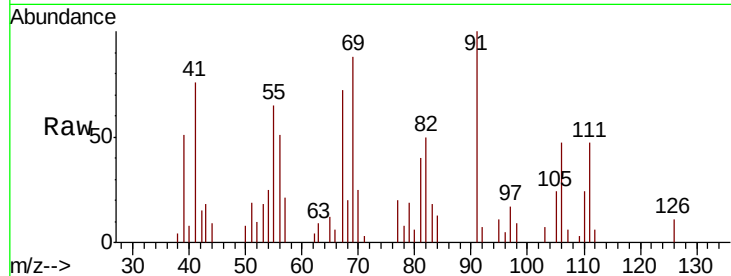
#68
m/p-Xylenes
Concen: 2.483 ug/l m
RT: 9.38 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
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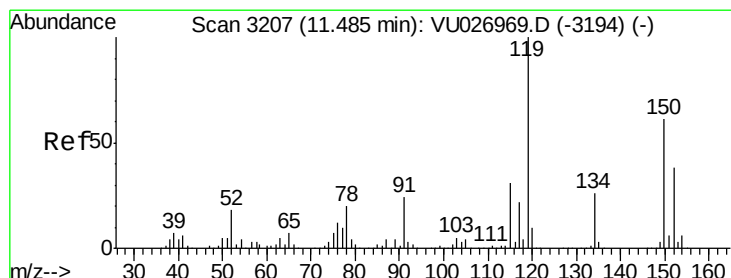
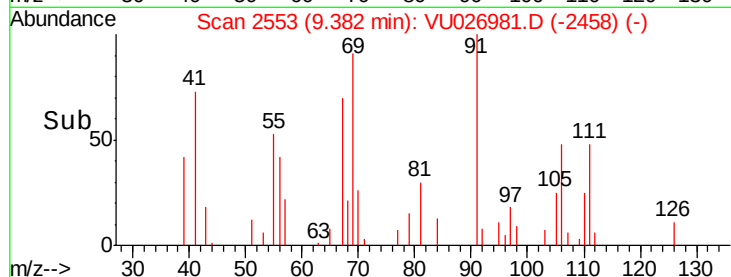
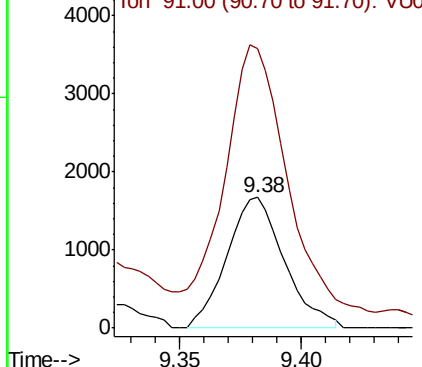
Tot Ion:106 Resp: 2761
Ion Ratio Lower Upper
106 100
91 26183.4 166.5 249.

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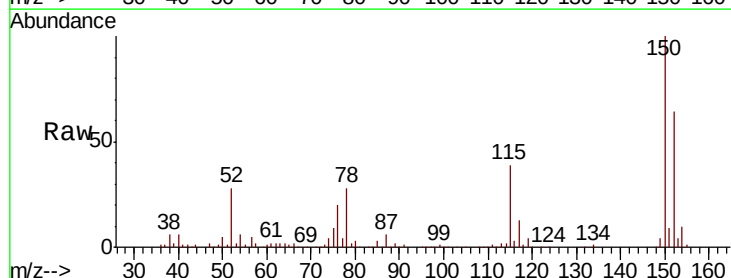


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

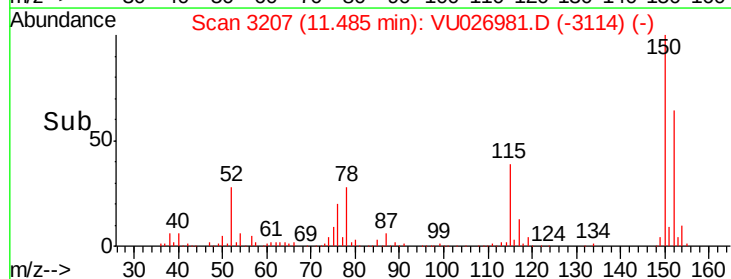
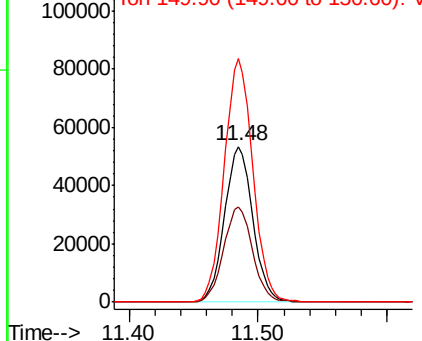


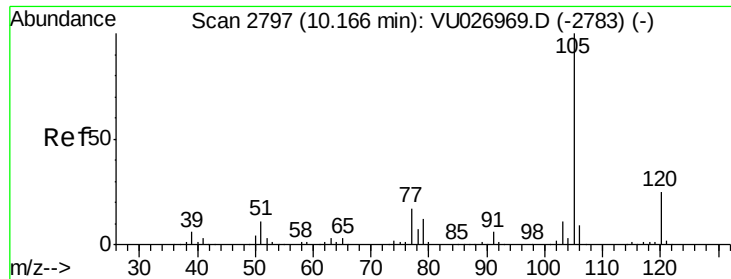
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Tgt Ion:152 Resp: 81061
Ion Ratio Lower Upper
152 100
115 63.1 44.9 134.5
150 158.6 0.0 355.8



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: 35.597 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026981.D

Acq: 21 Sep 2018 20:52

Instrument :

MSVOA_U

ClientSampleId :

FC-MW03SR1-20180911

Tot Ion: 105 Resp: 219500

Ion Ratio Lower Upper

105 100

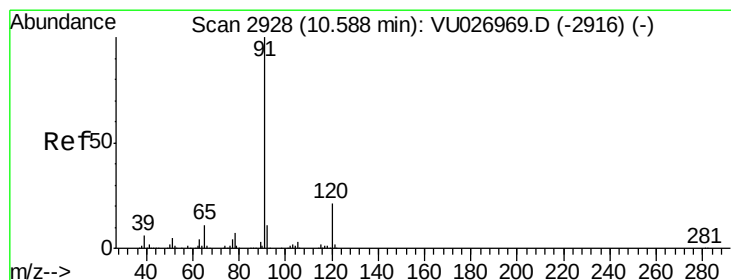
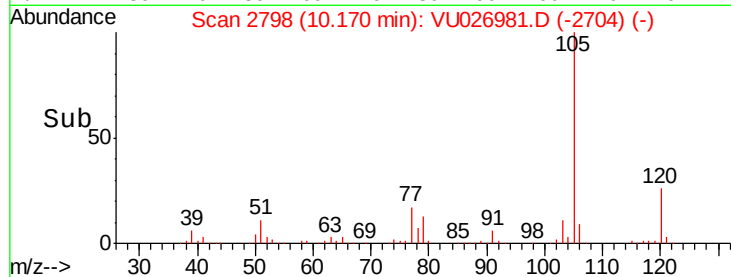
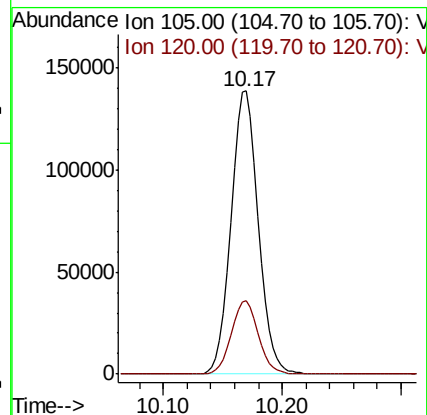
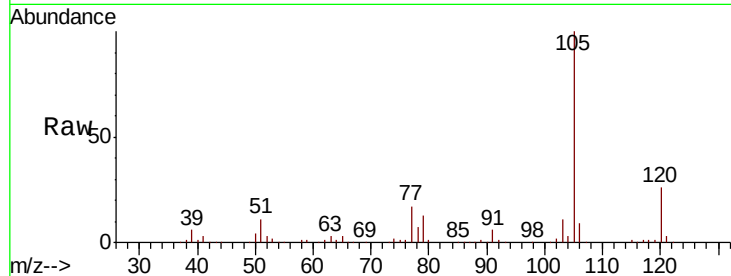
120 25.7 12.8 38.4

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#78

n-propylbenzene

Concen: 39.498 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026981.D

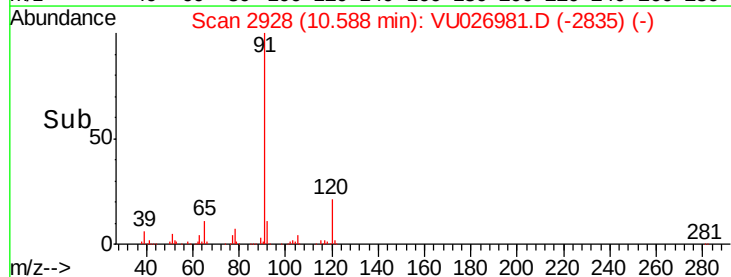
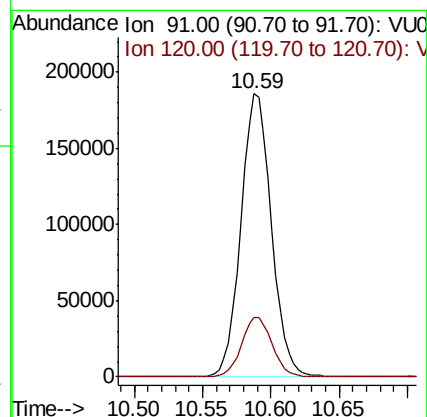
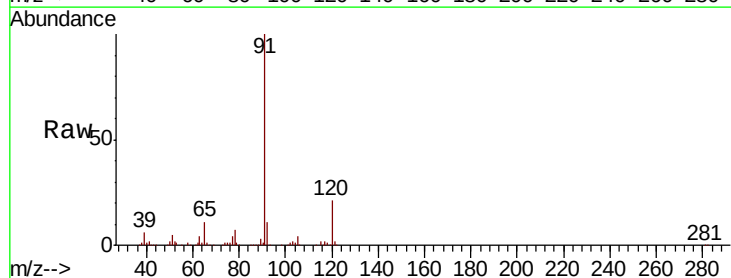
Acq: 21 Sep 2018 20:52

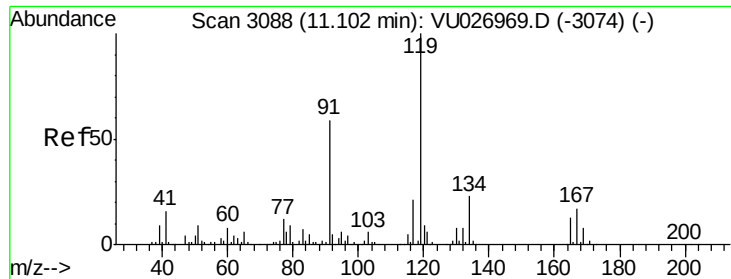
Tgt Ion: 91 Resp: 288178

Ion Ratio Lower Upper

91 100

120 21.1 10.6 31.8





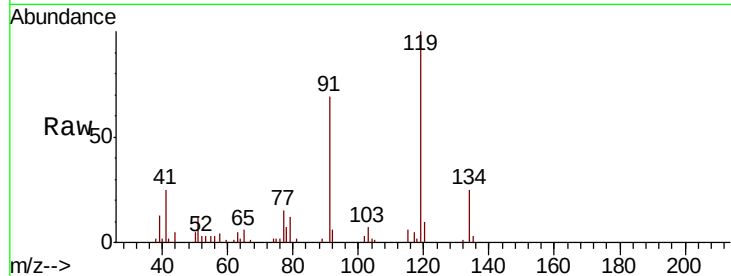
#83
 tert-Butylbenzene
 Concen: 2.727 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026981.D
 Acq: 21 Sep 2018 20:52

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW03SR1-20180911

Tot Ion:	119	Resp:	13725
Ion Ratio	Lower	Upper	
119	100		
91	70.4	29.8	89.4
134	23.9	11.5	34.4

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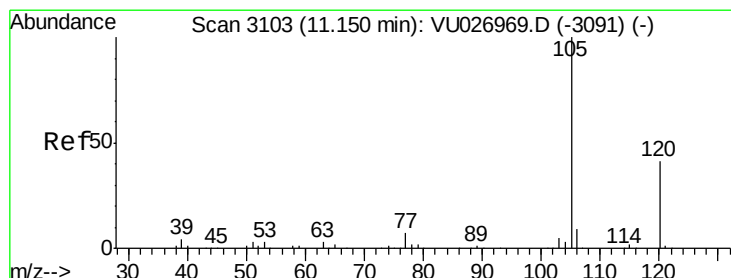
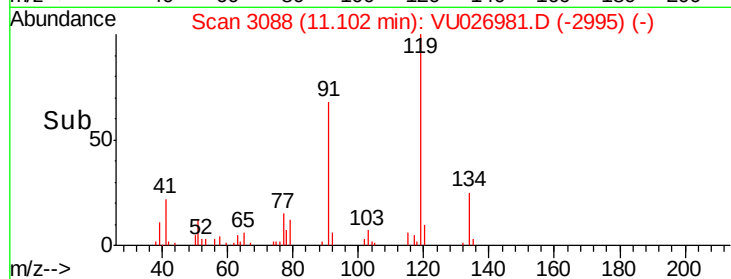
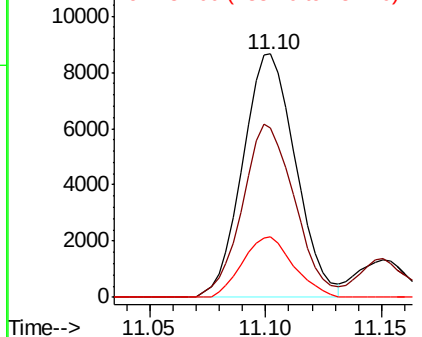


Abundance

Ion 119.00 (118.70 to 119.70): V

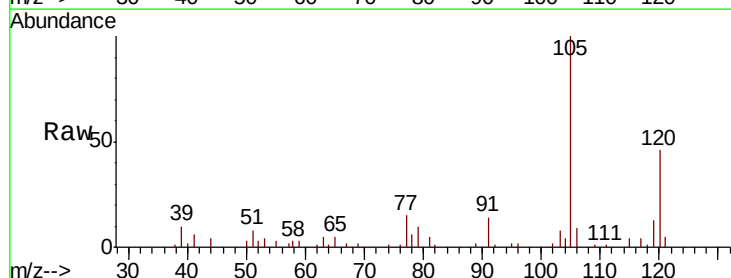
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 3.033 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026981.D
 Acq: 21 Sep 2018 20:52

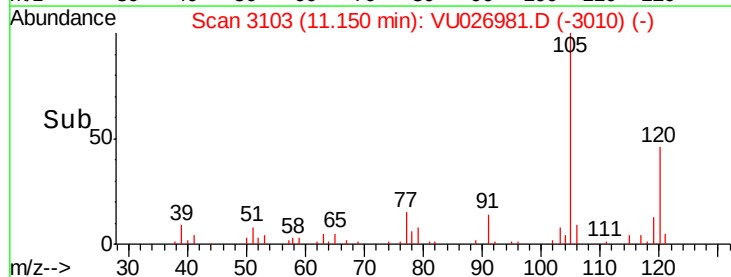
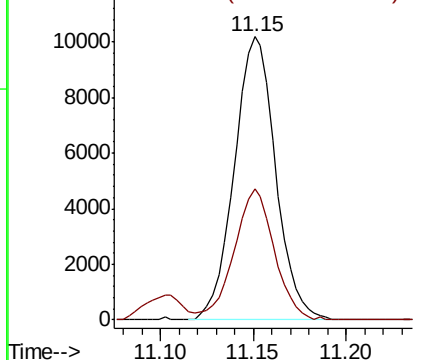
Tgt Ion:	105	Resp:	15713
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.4	67.2

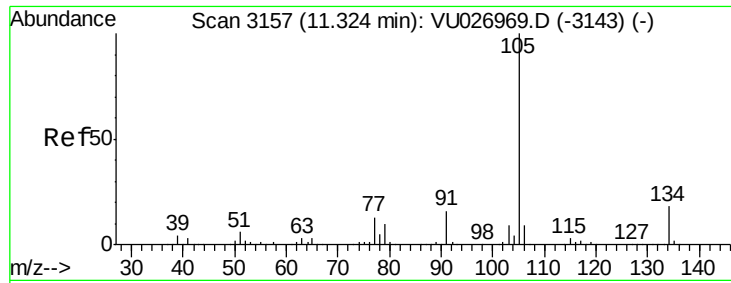


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.767 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU026981.D

Acq: 21 Sep 2018 20:52

Instrument :

MSVOA_U

ClientSampleId :

FC-MW03SR1-20180911

Tot Ion:105 Resp: 66140

Ion Ratio Lower Upper

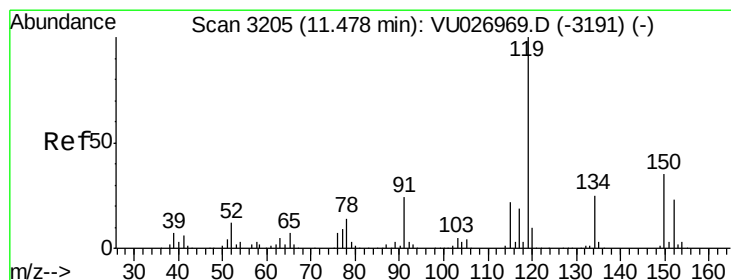
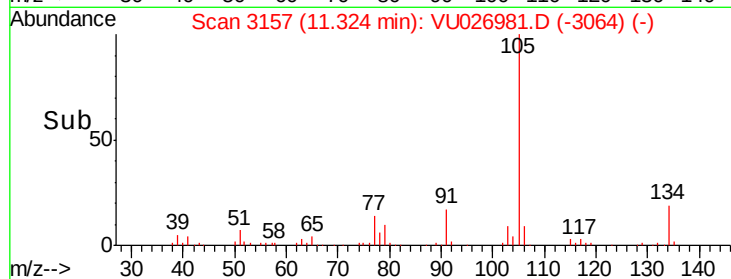
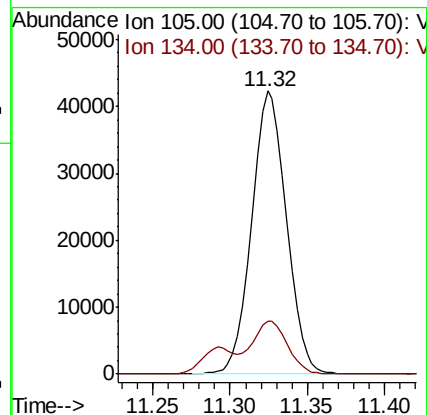
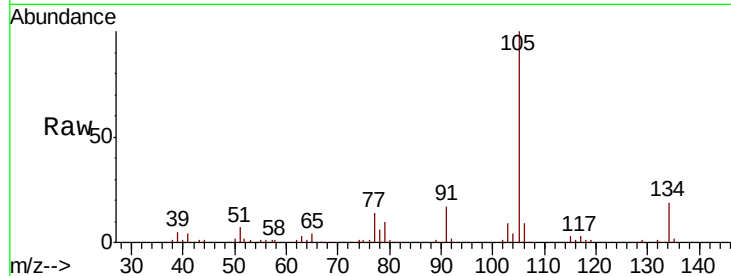
105 100

134 19.1 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 2.001 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026981.D

Acq: 21 Sep 2018 20:52

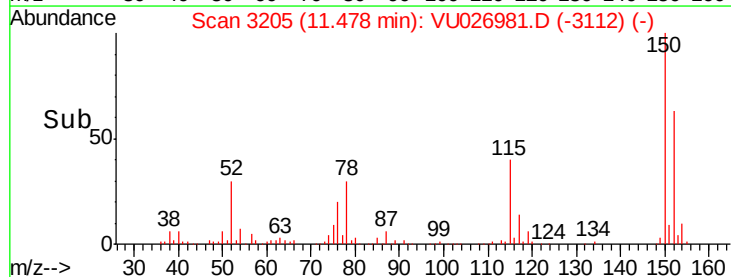
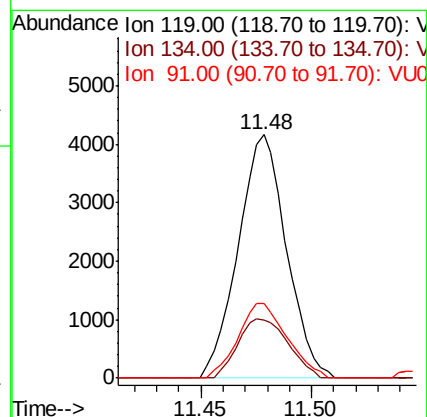
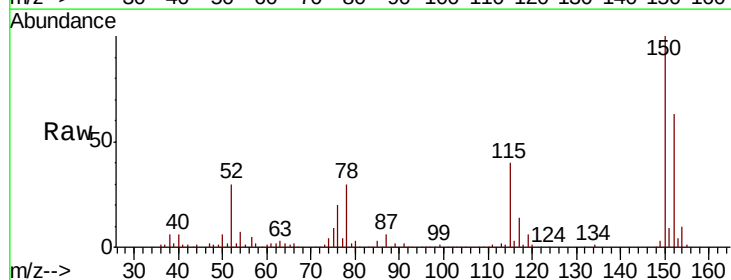
Tgt Ion:119 Resp: 6306

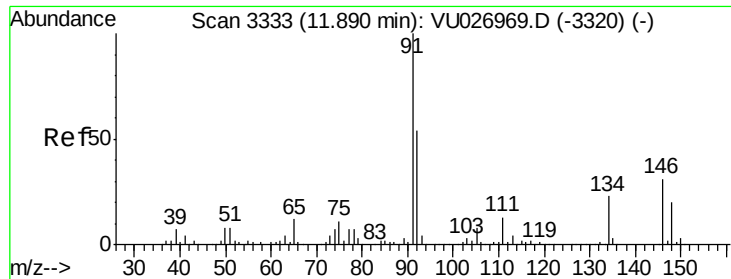
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 31.2 12.3 36.8





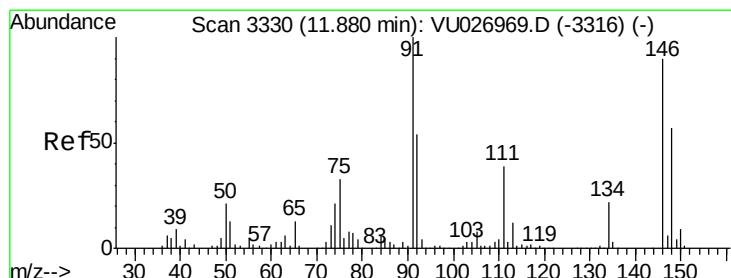
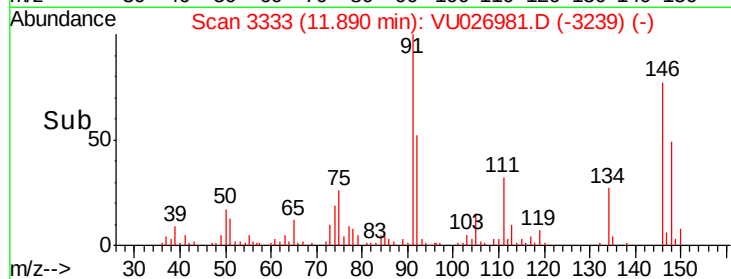
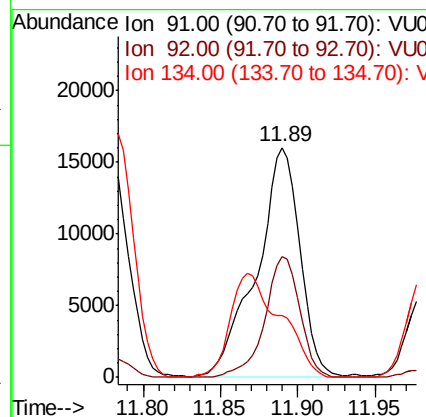
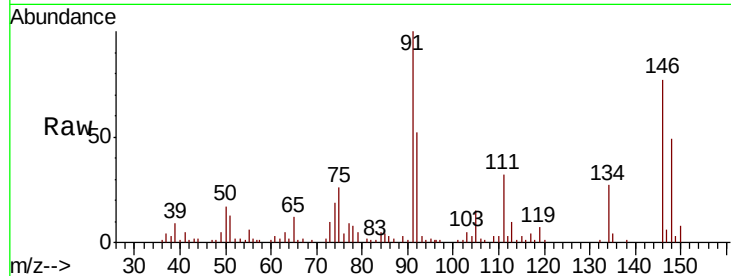
#89
n-Butylbenzene
Concen: 7.714 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	42.4	27.1	81.2	
134	0.0	11.7	35.0	

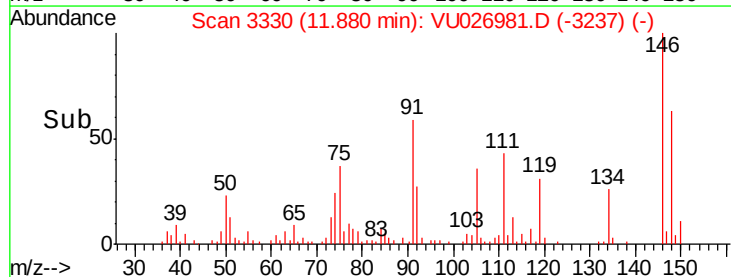
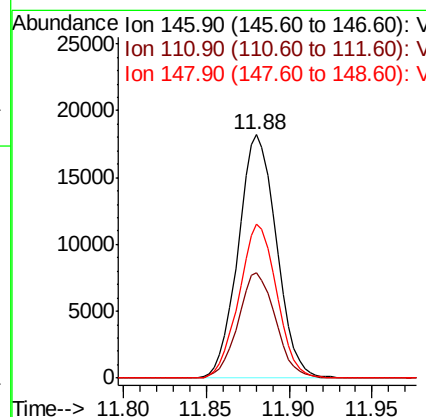
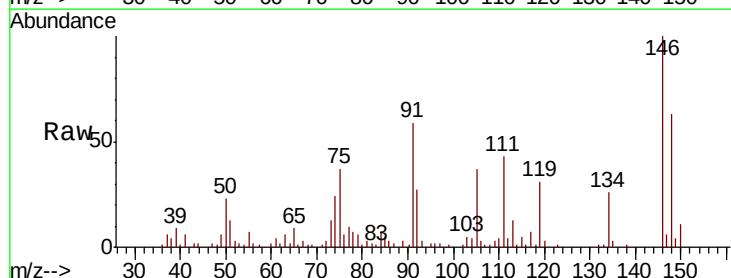
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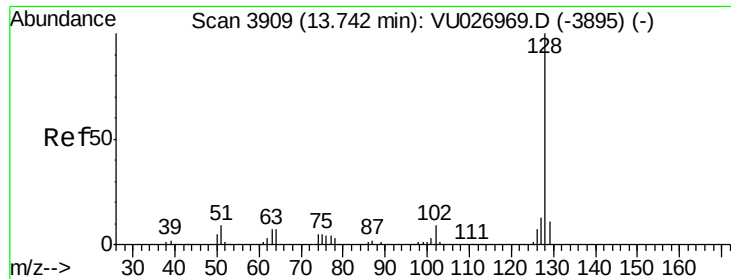
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#91
1,2-Dichlorobenzene
Concen: 9.840 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.2	21.8	65.3	
148	62.1	31.9	95.7	





#95
Naphthalene
Concen: 107.144 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026981.D
Acq: 21 Sep 2018 20:52

Instrument :
MSVOA_U
ClientSampleId :
FC-MW03SR1-20180911

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.2	8.6	12.8

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