

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034355.D
 Acq On : 07 Sep 2019 01:27
 Operator : JC/SP
 Sample : K4725-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0274

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:57 PM

Quant Time: Sep 07 05:20:08 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	287190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	434779	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	425396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	279339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	221222	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	4.86	113	195395	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	7.55	98	737232	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	10.29	95	276427	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

					Qvalue	
16) Acetone	2.31	43	4400	1.957	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	61168	5.371	ug/l #	73
39) Methylcyclohexane	6.40	83	27328	5.422	ug/l	96
40) Benzene	5.37	78	560576	36.844	ug/l	99
52) Toluene	7.62	92	4988	0.523	ug/l	98
67) Ethyl Benzene	9.23	91	49914	2.829	ug/l	99
68) m/p-Xylenes	9.36	106	225215	33.893	ug/l	98
69) o-Xylene	9.76	106	14960	2.302	ug/l	100
73) Isopropylbenzene	10.15	105	221275	12.172	ug/l	99
78) n-propylbenzene	10.57	91	375948	17.907	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	146602	9.643	ug/l	97
83) tert-Butylbenzene	11.08	119	36760	2.417	ug/l	90
84) 1,2,4-Trimethylbenzene	11.13	105	3432641	224.295	ug/l	99
85) sec-Butylbenzene	11.30	105	90713m	5.052	ug/l	
86) p-Isopropyltoluene	11.45	119	100279	6.051	ug/l	99
89) n-Butylbenzene	11.86	91	77435	5.377	ug/l #	30
95) Naphthalene	13.72	128	1470312	76.677	ug/l	99

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

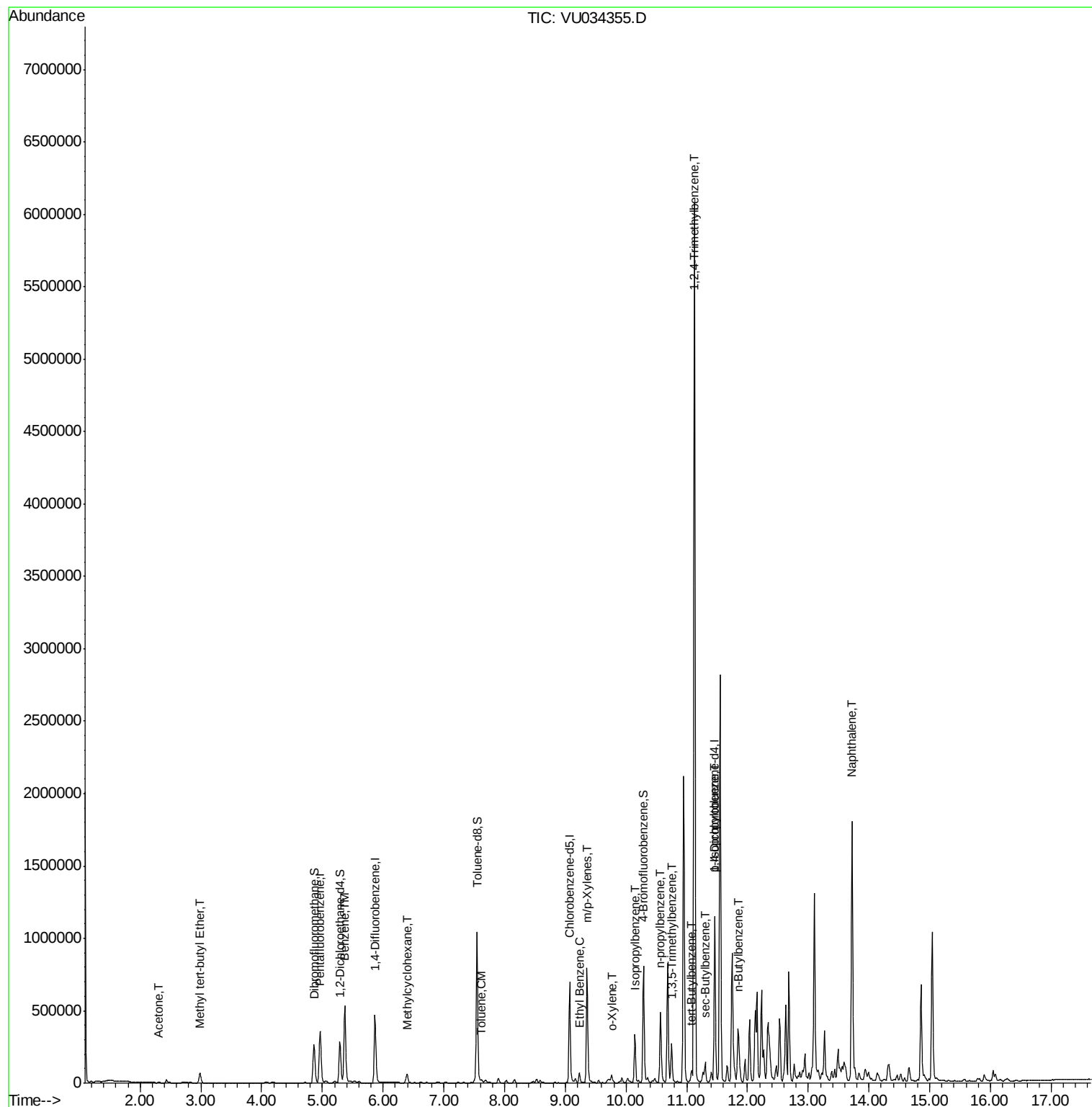
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
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ALS Vial : 44 Sample Multiplier: 1

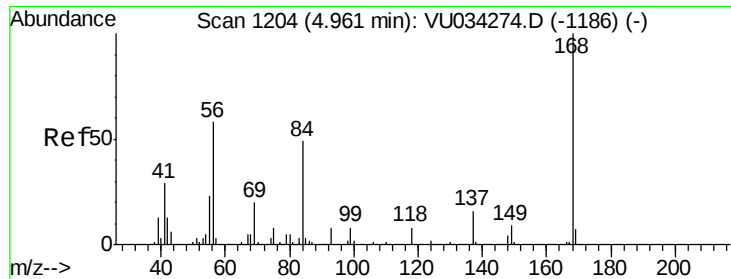
Instrument :
MSVOA_U
ClientSampleId :
S13-0274

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Quant Time: Sep 07 05:20:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
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: VU034355.D

Acq: 07 Sep 2019 01:27

Instrument :

MSVOA_U

ClientSampleId :

S13-0274

Tot Ion:168 Resp: 287190

Ion Ratio Lower Upper

168 100

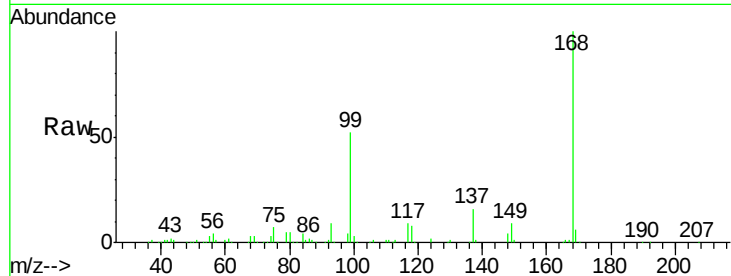
99 51.5 41.6 62.4

Manual Integrations

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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

150000

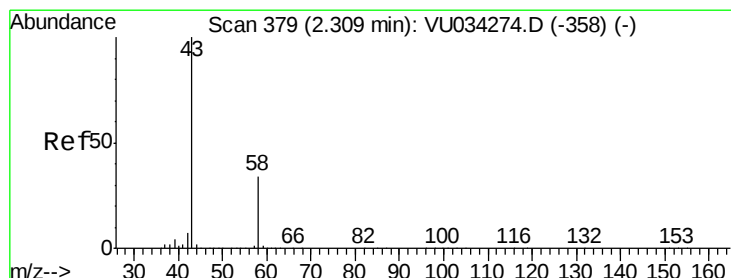
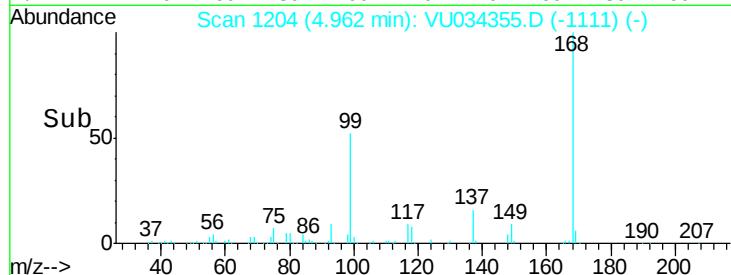
100000

50000

0

Time-->

4.90 5.00 5.10



#16

Acetone

Concen: 1.957 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034355.D

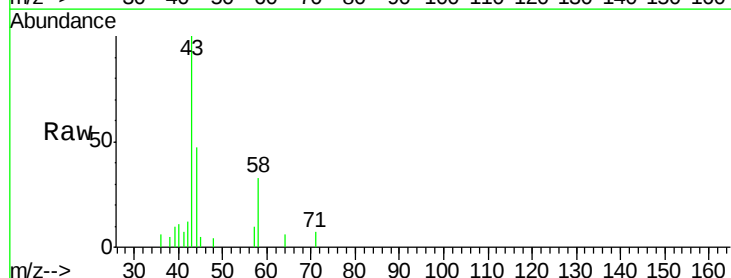
Acq: 07 Sep 2019 01:27

Tgt Ion: 43 Resp: 4400

Ion Ratio Lower Upper

43 100

58 35.1 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

2500

2000

1500

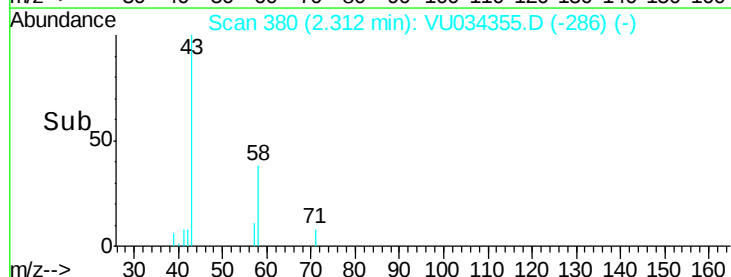
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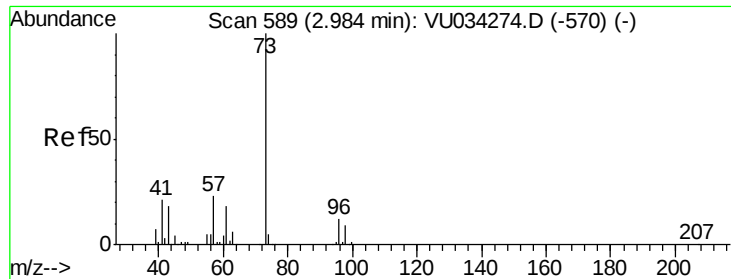
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0

Time-->

2.25 2.30 2.35





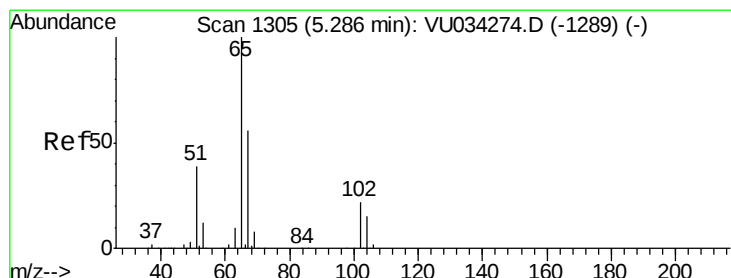
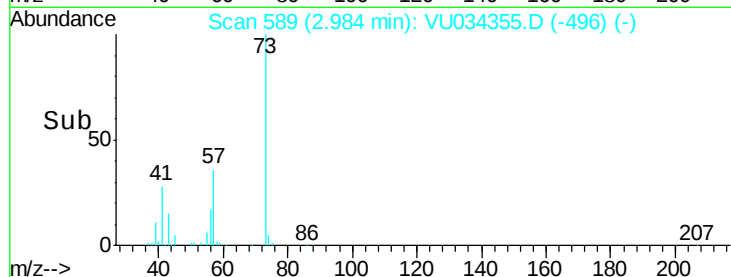
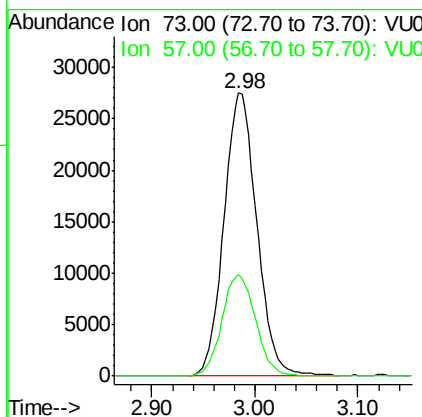
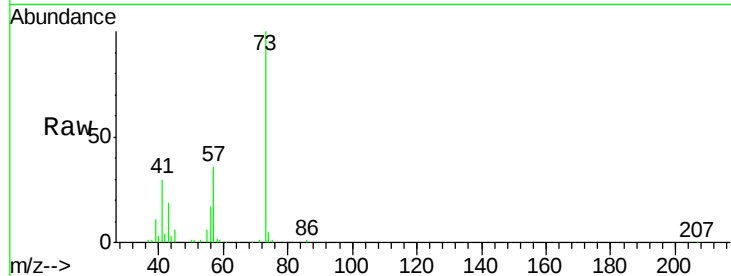
#19
Methvl tert-butvl Ether
Concen: 5.371 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampleId :
S13-0274

Tot Ion	Ratio	Lower	Upper
73	100		
57	35.8	18.2	27.4#

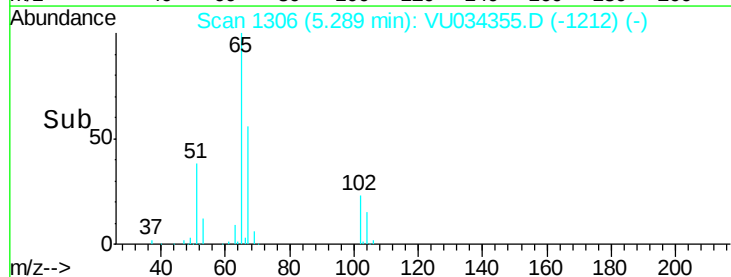
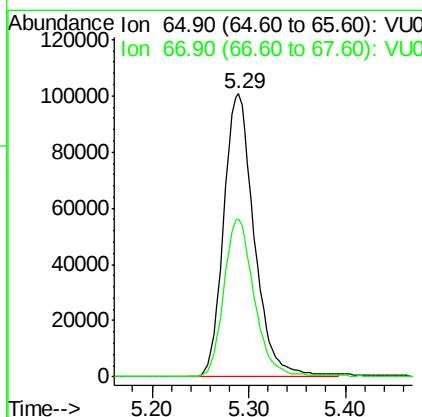
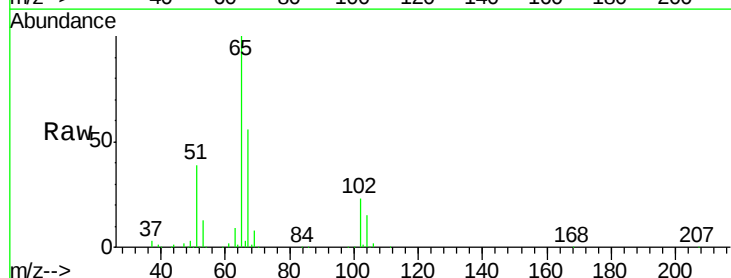
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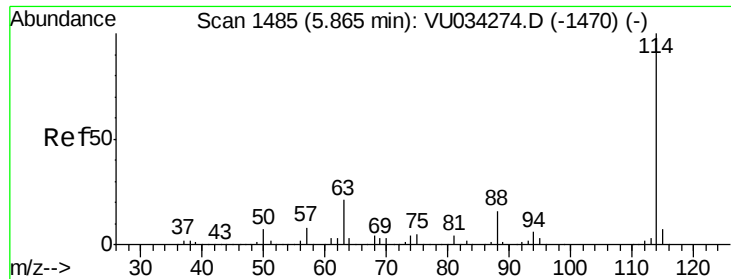
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#33
1,2-Dichloroethane-d4
Concen: 50.911 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.2	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: VU034355.D

Acq: 07 Sep 2019 01:27

Instrument :

MSVOA_U

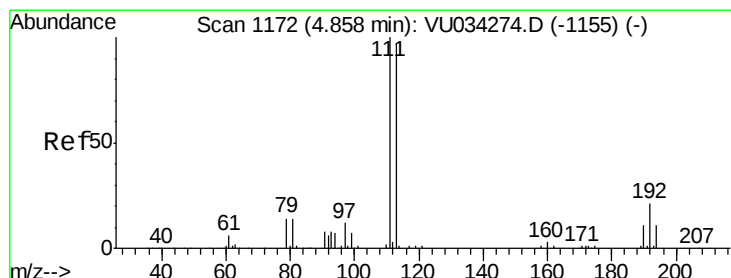
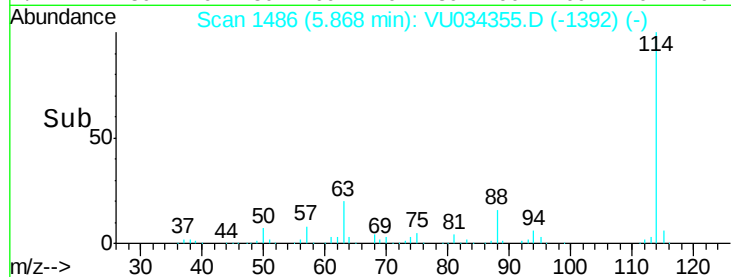
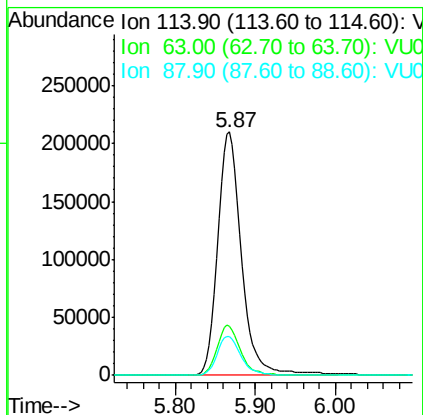
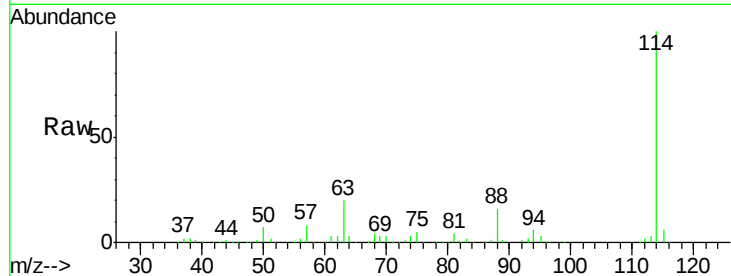
ClientSampled :

S13-0274

Tot Ion:	114	Resp:	434779
Ion Ratio	Lower	Upper	
114	100		
63	20.2	0.0	42.4
88	16.0	0.0	32.4

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#35

Dibromofluoromethane

Concen: 48.298 ug/l

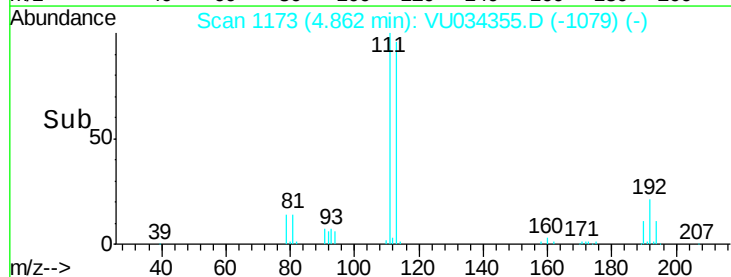
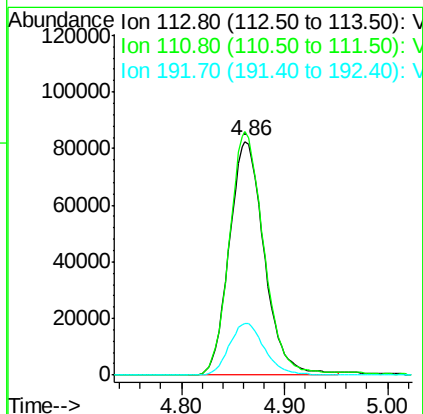
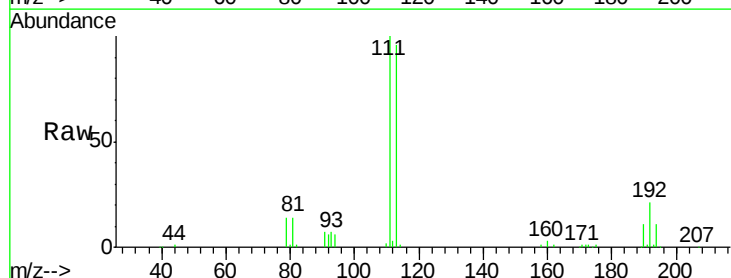
RT: 4.86 min Scan# 1173

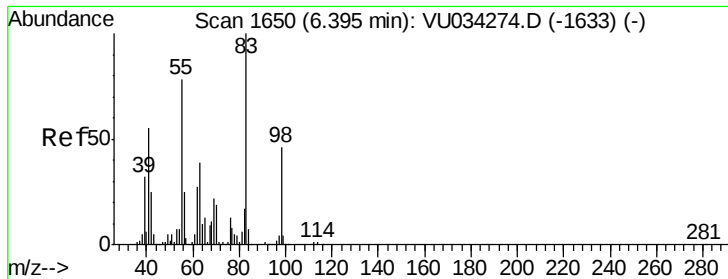
Delta R.T. 0.00 min

Lab File: VU034355.D

Acq: 07 Sep 2019 01:27

Tgt Ion:	113	Resp:	195395
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.5	122.3
192	22.5	17.8	26.8





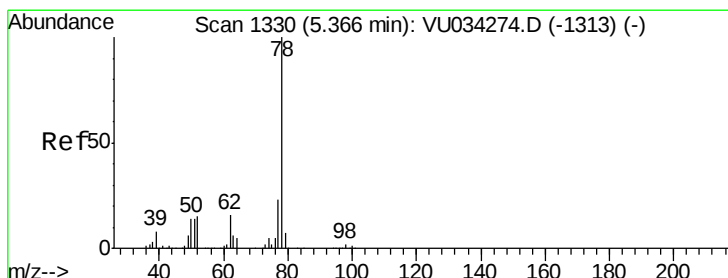
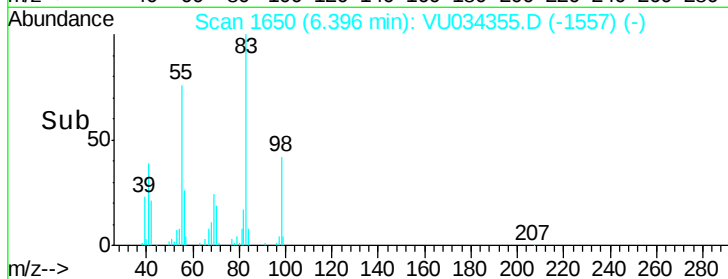
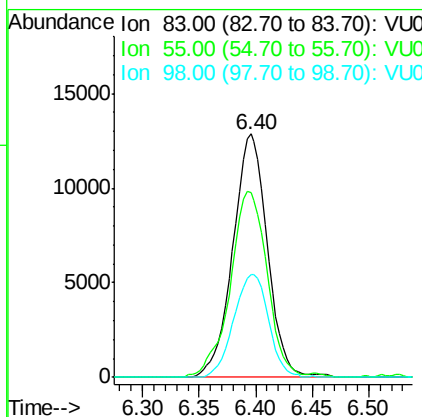
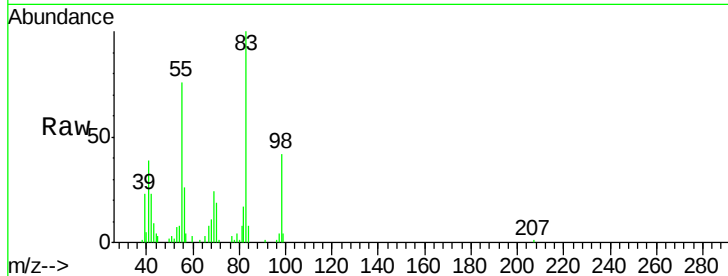
#39
Methvlcvclohexane
Concen: 5.422 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampleId :
S13-0274

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.1	93.1
98	42.0	37.0	55.6

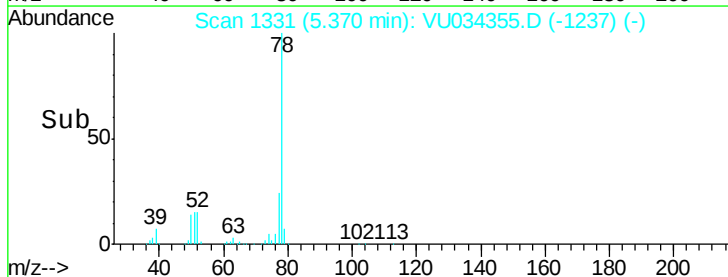
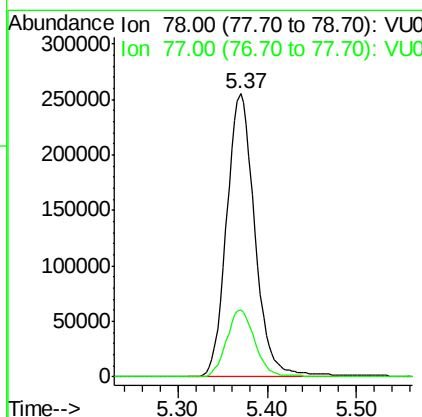
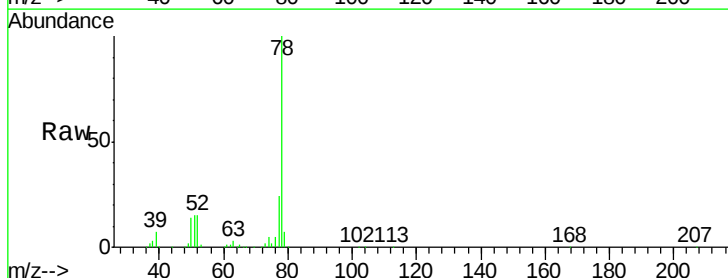
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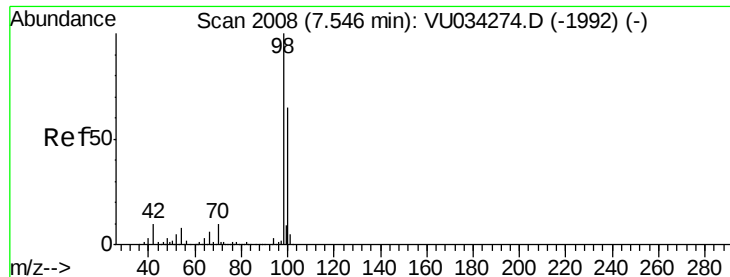
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#40
Benzene
Concen: 36.844 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





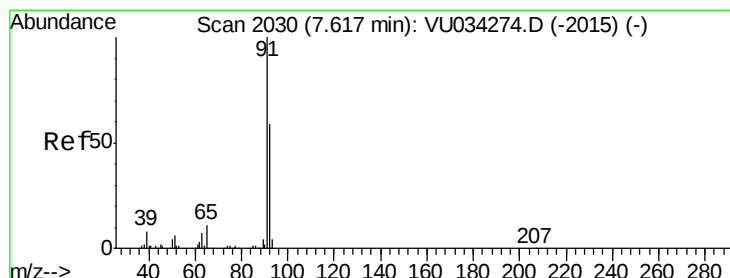
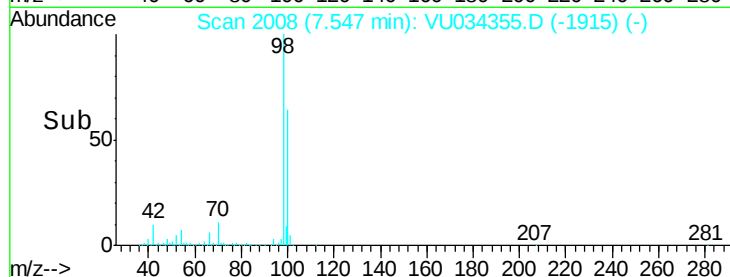
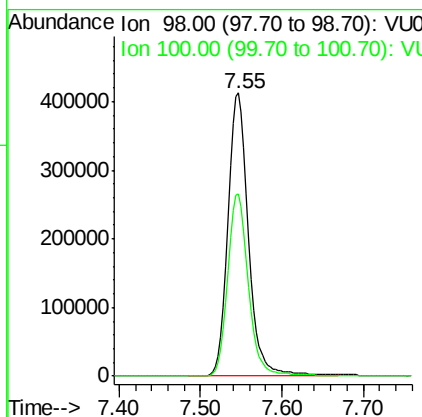
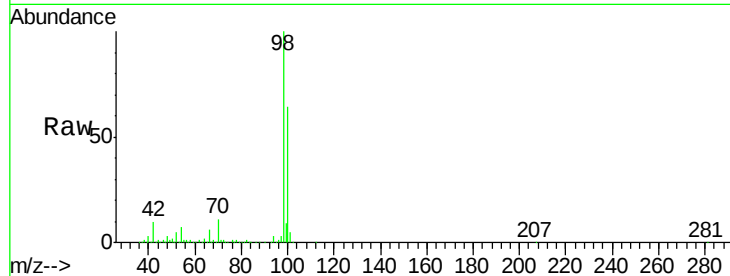
#50
Toluene-d8
Concen: 48.504 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampleId :
S13-0274

Tot Ion: 98 Resp: 737232
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

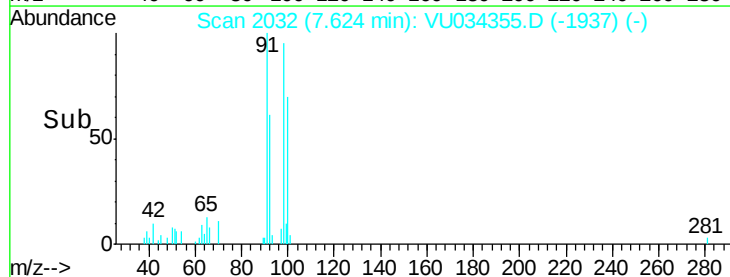
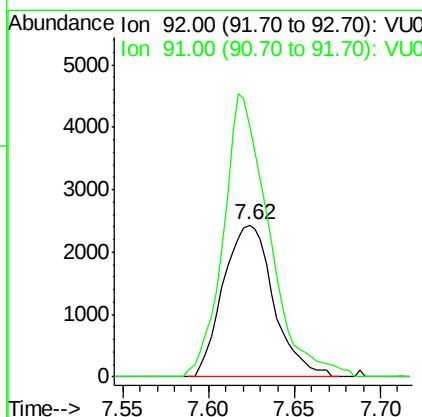
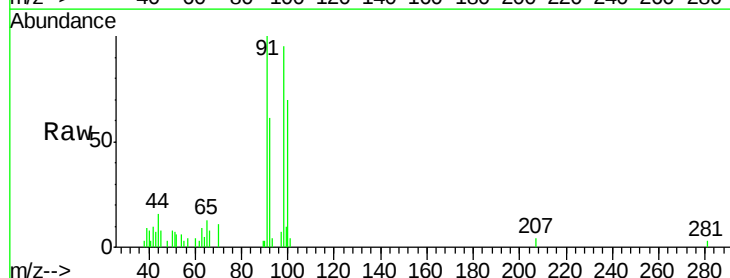
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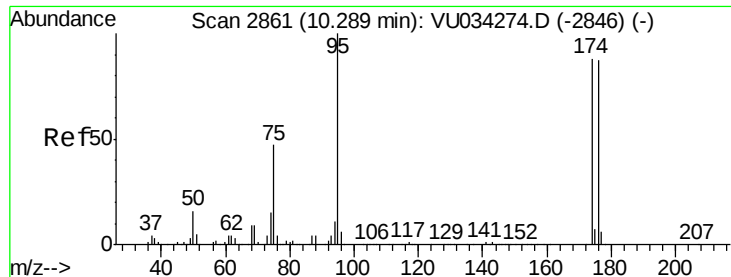
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#52
Toluene
Concen: 0.523 ug/l
RT: 7.62 min Scan# 2032
Delta R.T. 0.01 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion: 92 Resp: 4988
Ion Ratio Lower Upper
92 100
91 168.3 136.6 205.0





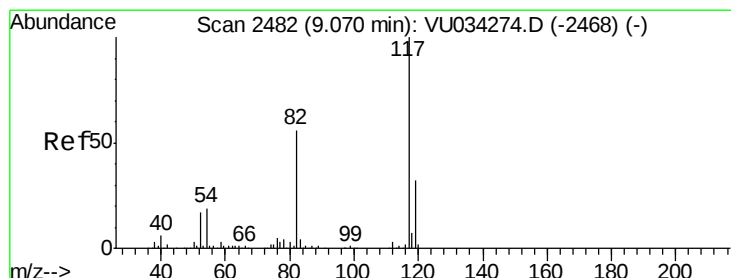
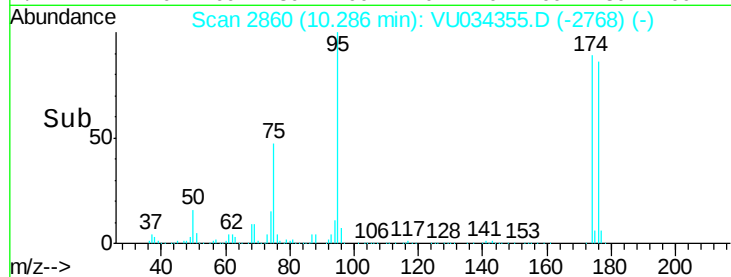
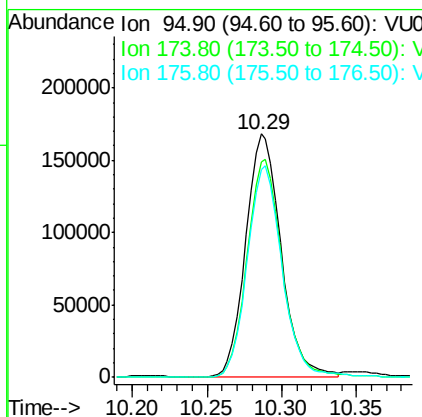
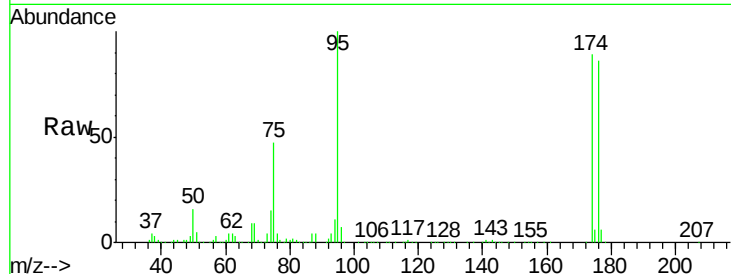
#62
4-Bromofluorobenzene
Concen: 47.104 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampled :
S13-0274

Tot Ion	Ratio	Resp	Lower	Upper
95	100	276427		
174	89.4	0.0	175.2	
176	86.4	0.0	168.0	

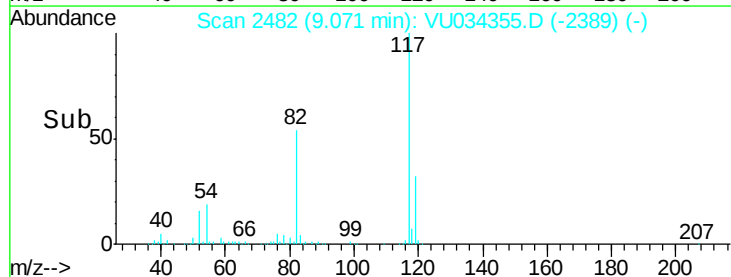
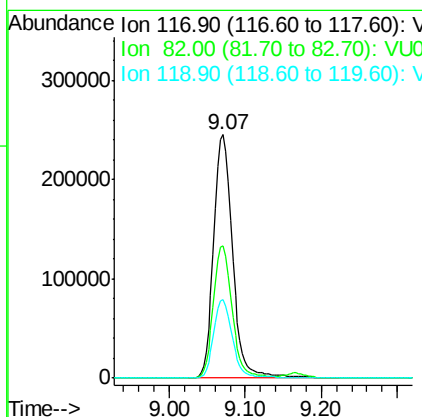
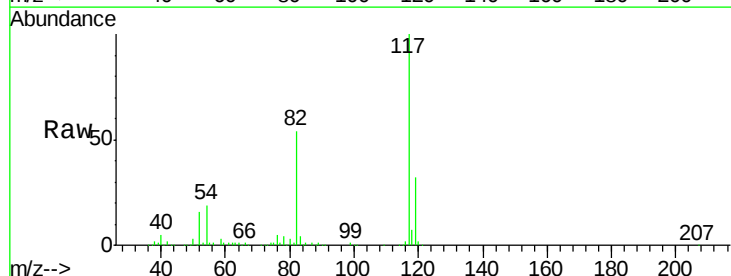
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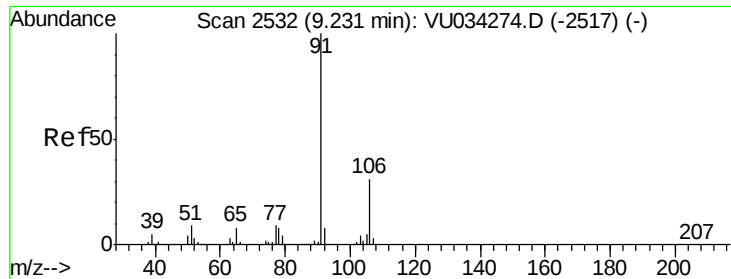
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	425396		
82	54.3	44.6	67.0	
119	32.4	25.9	38.9	





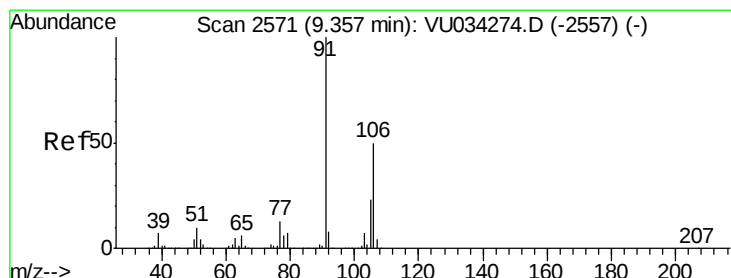
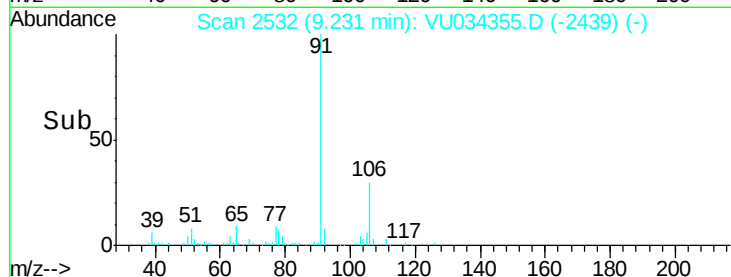
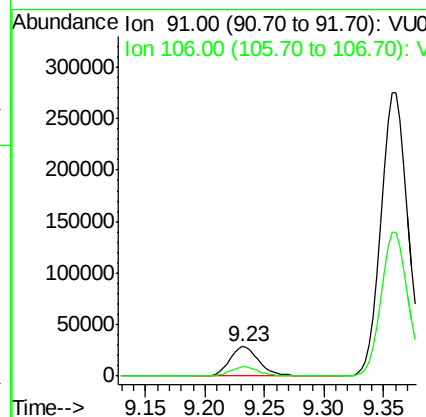
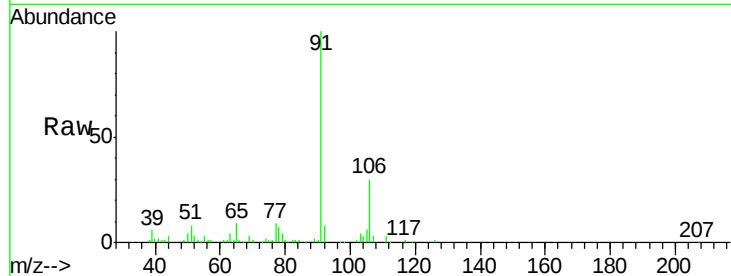
#67
Ethyl Benzene
Concen: 2.829 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampleId :
S13-0274

Tot Ion	91	Resp	49914
Ion Ratio	100	Lower	Upper
91	100		
106	30.2	24.8	37.2

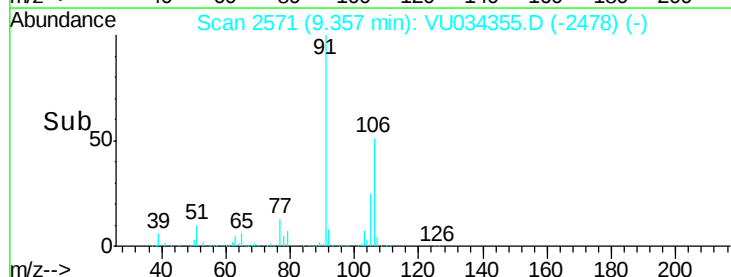
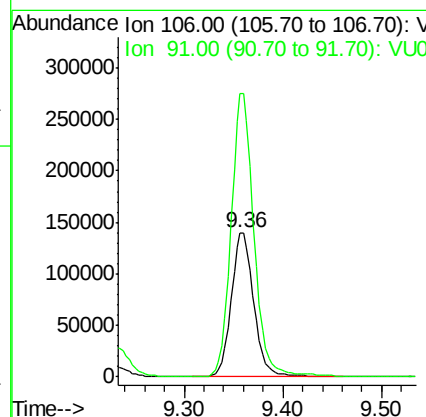
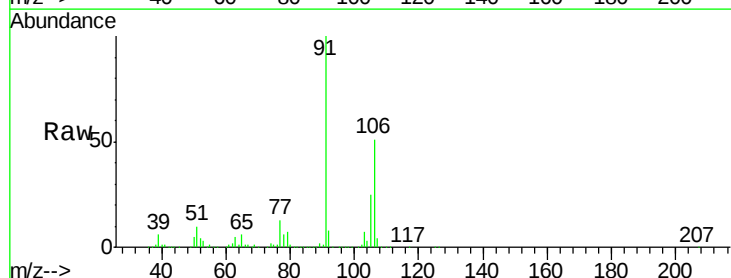
Manual Integrations
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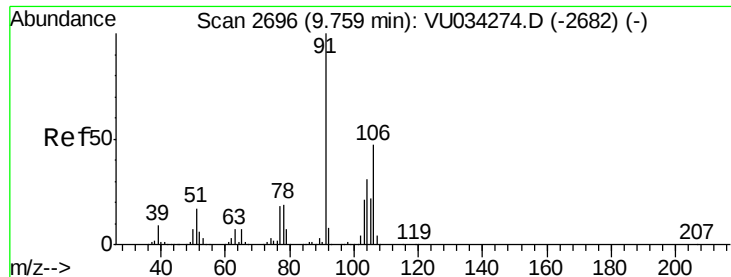
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#68
m/p-Xylenes
Concen: 33.893 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion	106	Resp	225215
Ion Ratio <th>100</th> <th>Lower</th> <th>Upper</th>	100	Lower	Upper
106	100		
91	197.3	160.1	240.1





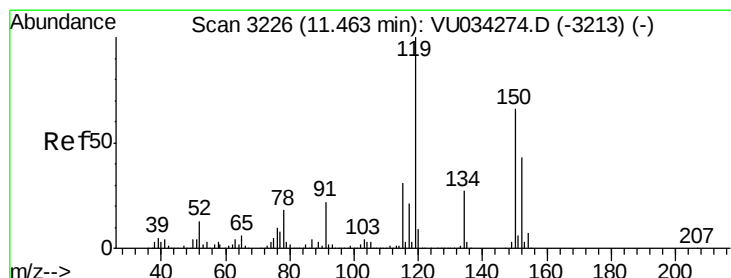
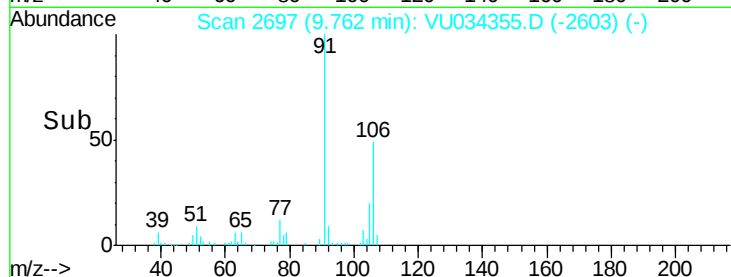
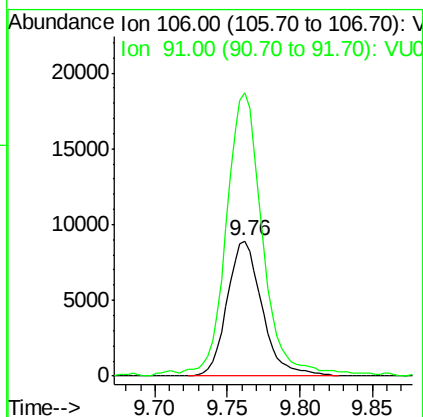
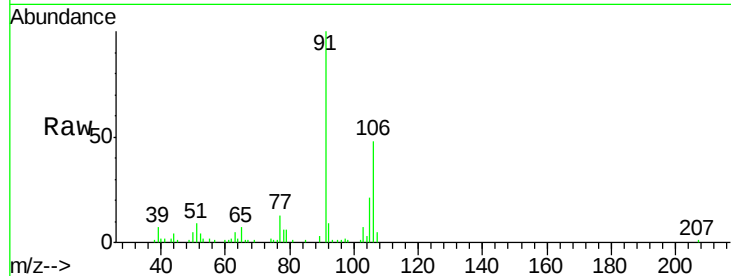
#69
o-Xylene
Concen: 2.302 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampleId :
S13-0274

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.3	105.1	14960	315.3	

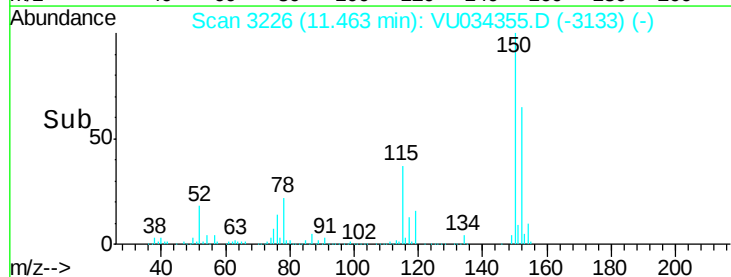
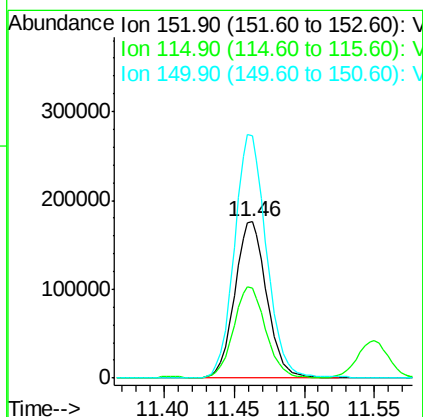
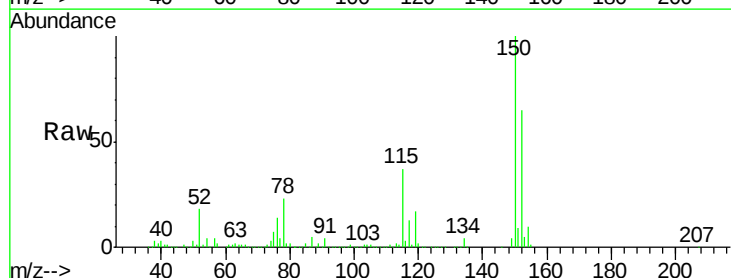
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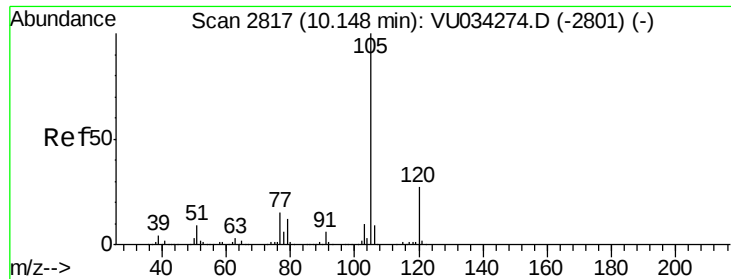
MMDadoda
9/10/2019 1:30:57 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	57.8	39.1	279339	117.3	
150	156.8	0.0		345.4	





#73

Isopropylbenzene

Concen: 12.172 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034355.D

Acq: 07 Sep 2019 01:27

Instrument :

MSVOA_U

ClientSampleId :

S13-0274

Tot Ion: 105 Resp: 221275

Ion Ratio Lower Upper

105 100

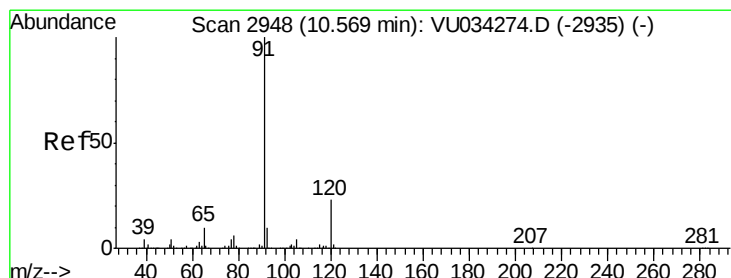
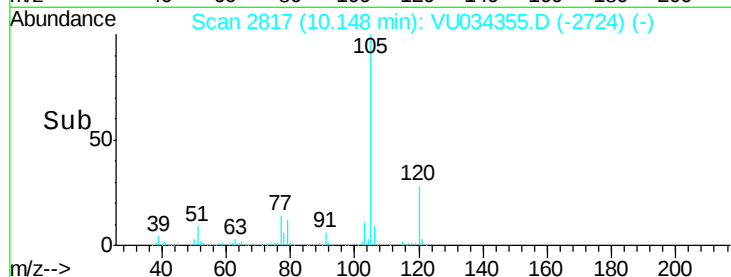
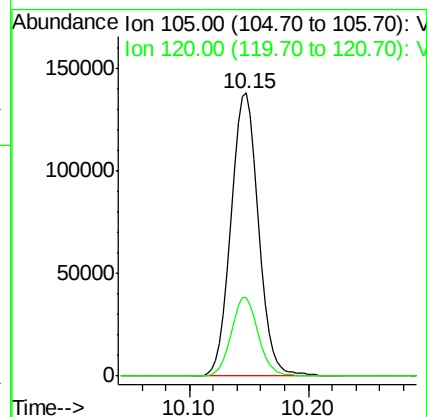
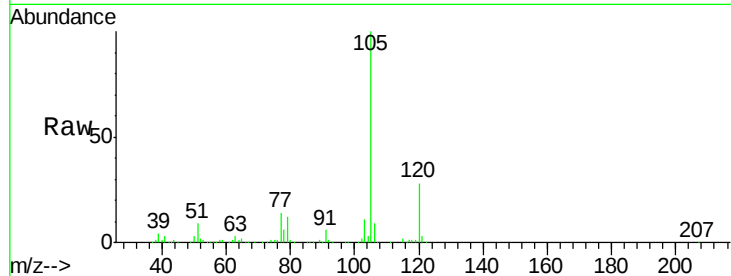
120 27.5 13.4 40.2

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#78

n-propylbenzene

Concen: 17.907 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034355.D

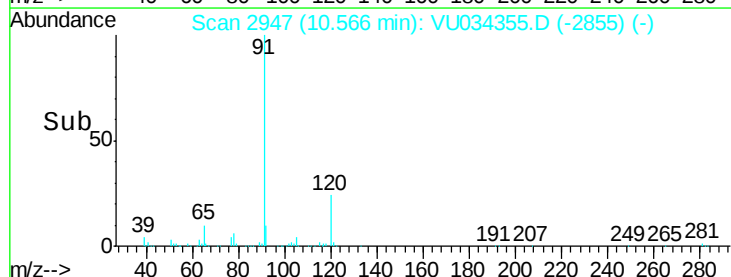
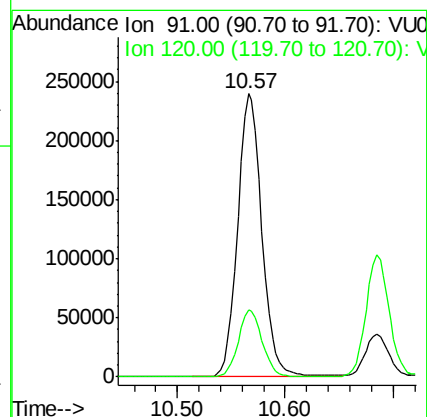
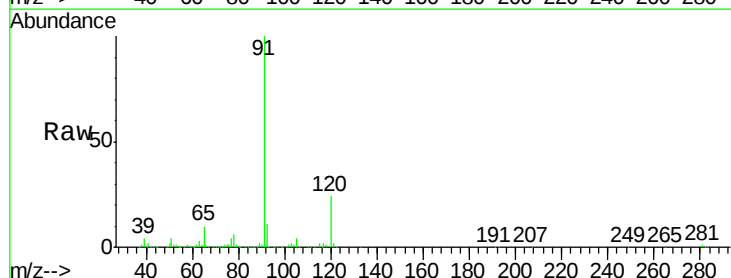
Acq: 07 Sep 2019 01:27

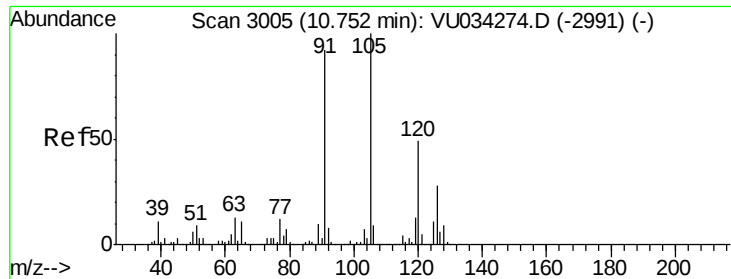
Tgt Ion: 91 Resp: 375948

Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.0





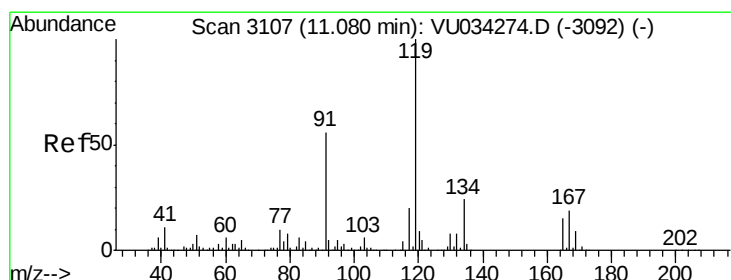
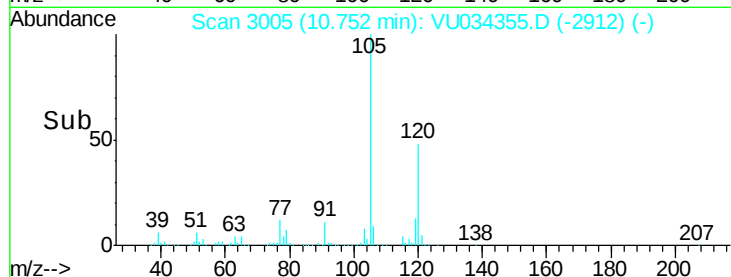
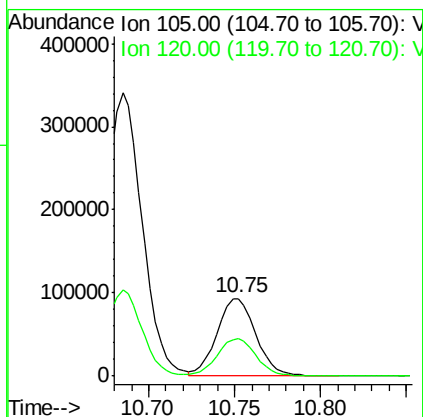
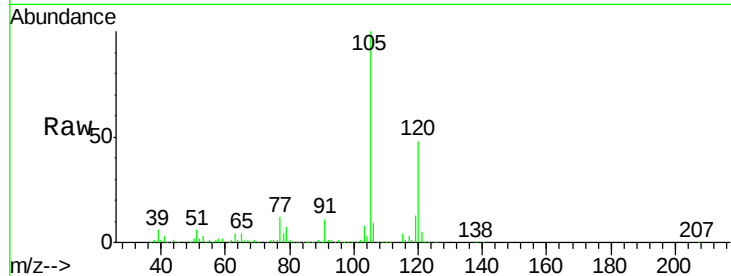
#80
1,3,5-Trimethylbenzene
Concen: 9.643 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampled :
S13-0274

Tot Ion:105 Resp: 146602
Ion Ratio Lower Upper
105 100
120 47.9 24.9 74.7

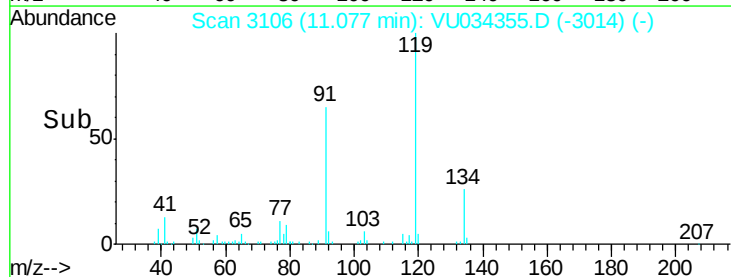
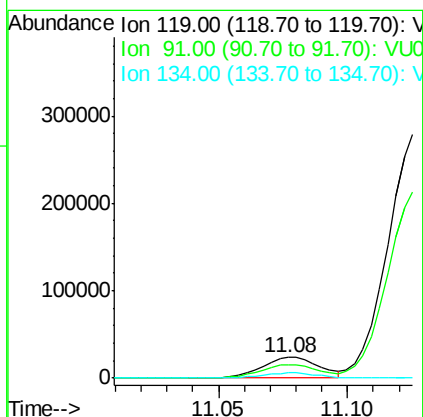
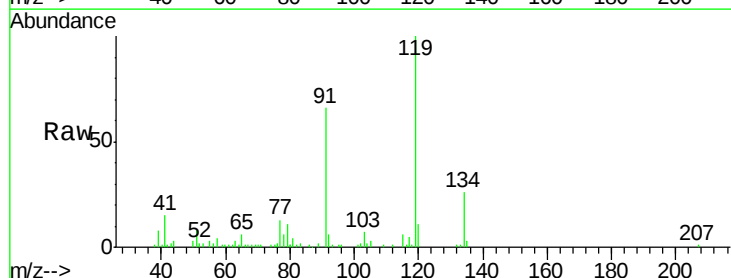
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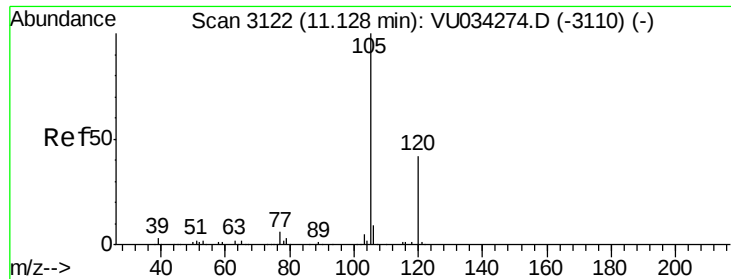
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#83
tert-Butylbenzene
Concen: 2.417 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion:119 Resp: 36760
Ion Ratio Lower Upper
119 100
91 65.3 27.8 83.4
134 24.8 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 224.295 ug/l

RT: 11.13 min Scan# 3121

Delta R.T. -0.00 min

Lab File: VU034355.D

Acq: 07 Sep 2019 01:27

Instrument :

MSVOA_U

ClientSampleId :

S13-0274

Tot Ion:105 Resp: 3432641

Ion Ratio Lower Upper

105 100

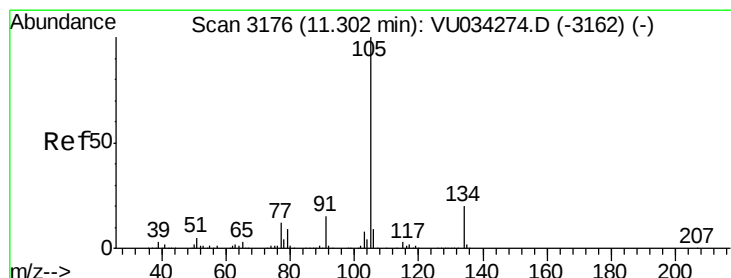
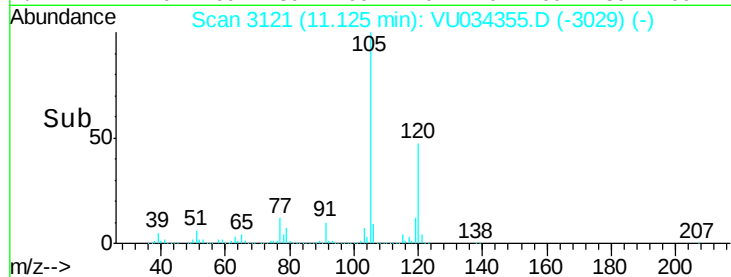
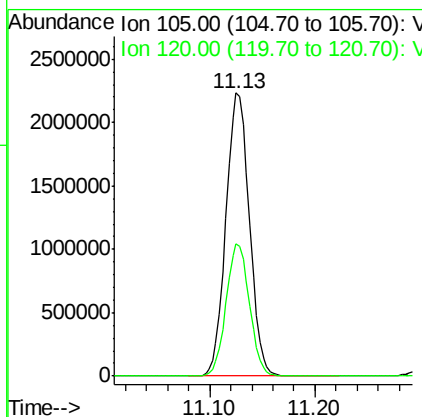
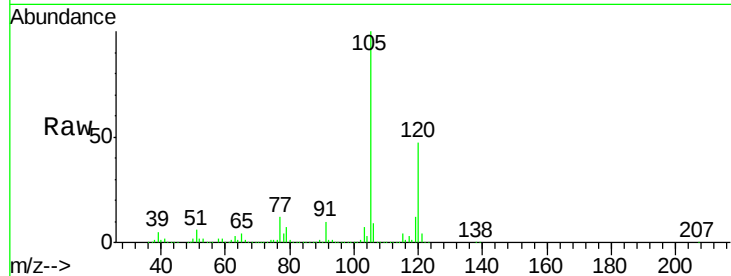
120 46.3 22.9 68.8

Manual Integrations

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#85

sec-Butylbenzene

Concen: 5.052 ug/l m

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034355.D

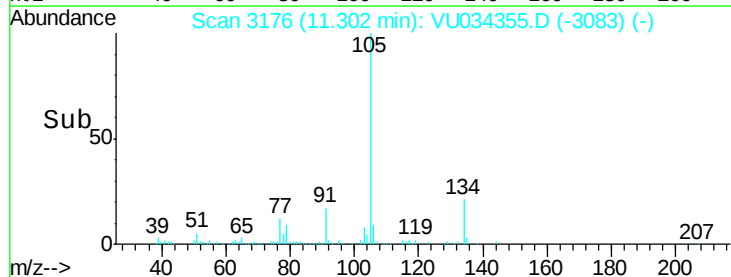
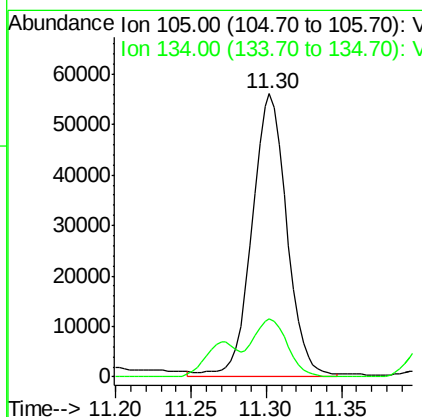
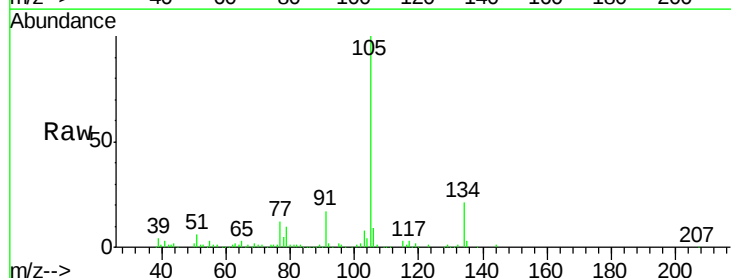
Acq: 07 Sep 2019 01:27

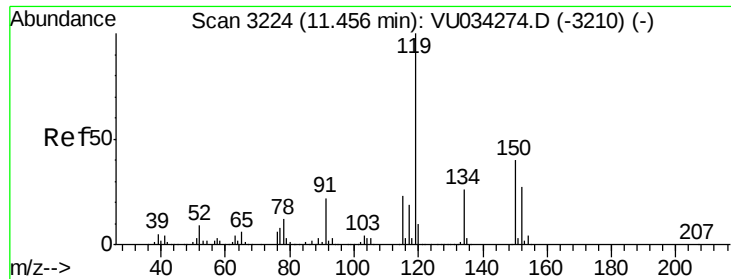
Tgt Ion:105 Resp: 90713

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#





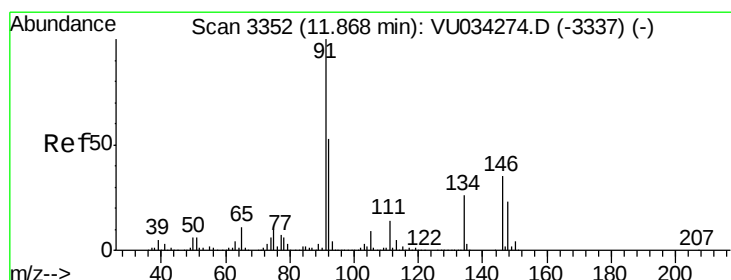
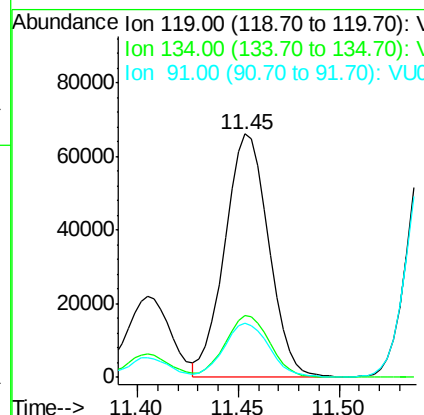
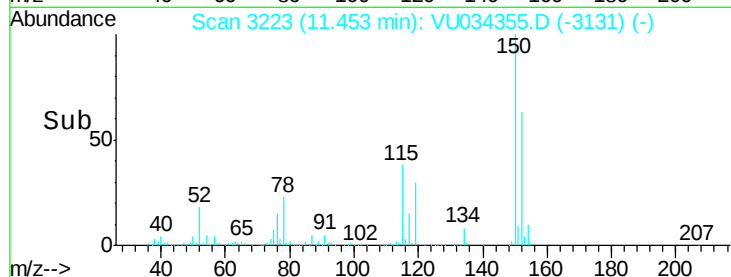
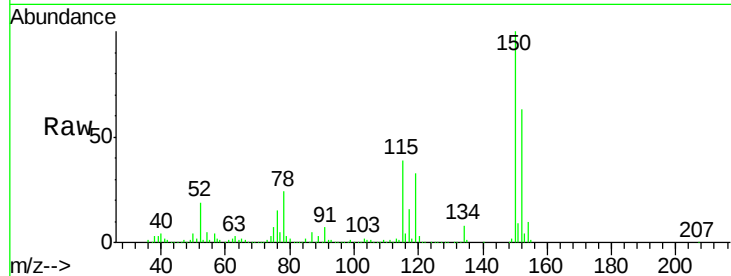
#86
p-Isopropyltoluene
Concen: 6.051 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. -0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampled :
S13-0274

Tot Ion	Ratio	Resp	Lower	Upper
119	100	100279		
134	25.9		13.3	39.8
91	22.4		11.2	33.6

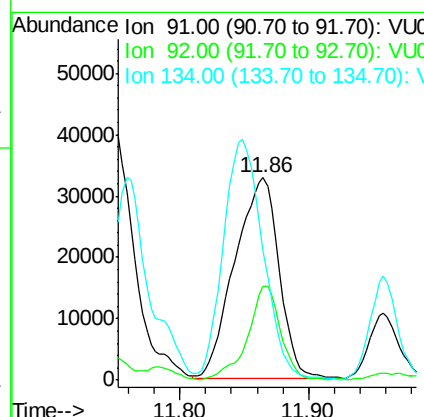
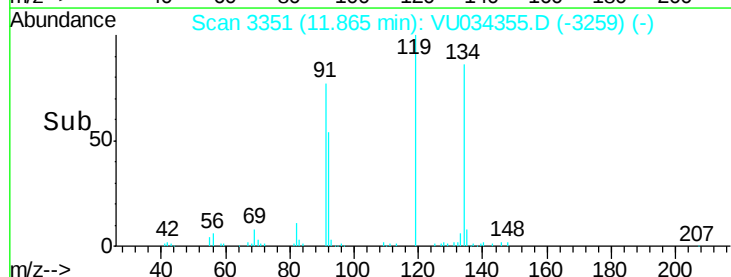
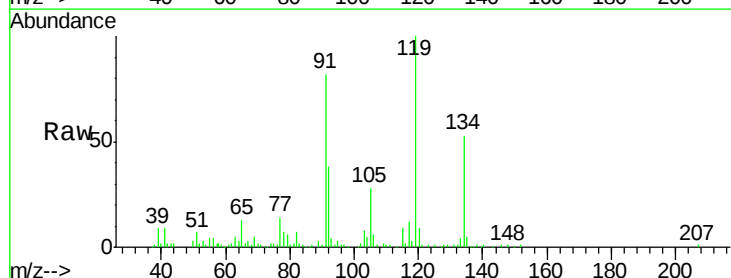
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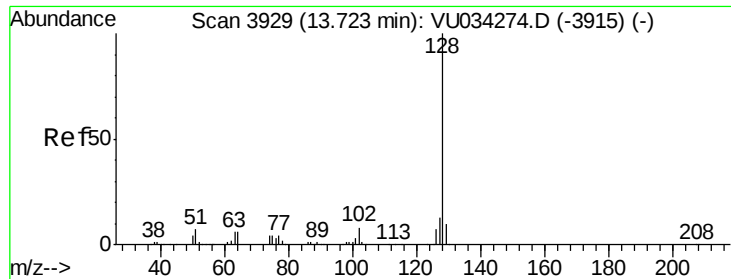
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#89
n-Butylbenzene
Concen: 5.377 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	77435		
92	34.6		26.5	79.4
134	107.8		13.2	39.6#





#95
Naphthalene
Concen: 76.677 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034355.D
Acq: 07 Sep 2019 01:27

Instrument :
MSVOA_U
ClientSampleId :
S13-0274

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.3	8.4	12.6

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9/10/2019 1:30:57 PM

