

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034430.D
 Acq On : 09 Sep 2019 13:59
 Operator : JC/SP
 Sample : K4725-10DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0274DL

Manual Integrations
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MMDadoda
 9/10/2019 4:17:33 PM

Quant Time: Sep 10 06:43:30 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	255384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	377892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	380073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	243012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	213339	55.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.42%	
35) Dibromofluoromethane	4.86	113	188868	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
50) Toluene-d8	7.54	98	682092	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	10.29	95	242104	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	2.99	73	9360	0.924	ug/l #	74
39) Methylcyclohexane	6.39	83	4149	0.947	ug/l #	89
40) Benzene	5.37	78	88757	6.712	ug/l	100
67) Ethyl Benzene	9.23	91	8566	0.543	ug/l	91
68) m/p-Xylenes	9.36	106	31820	5.360	ug/l	97
69) o-Xylene	9.76	106	2408	0.415	ug/l	86
73) Isopropylbenzene	10.15	105	30543	1.931	ug/l	99
78) n-propylbenzene	10.57	91	53922	2.952	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	21297	1.610	ug/l	96
82) 4-Chlorotoluene	10.75	91	5049	0.394	ug/l	76
83) tert-Butylbenzene	11.08	119	7081	0.535	ug/l	91
84) 1,2,4-Trimethylbenzene	11.13	105	506625	38.052	ug/l	99
85) sec-Butylbenzene	11.30	105	17217	1.102	ug/l	100
86) p-Isopropyltoluene	11.45	119	16670	1.156	ug/l	94
89) n-Butylbenzene	11.86	91	12239m	0.977	ug/l	
95) Naphthalene	13.72	128	198762	15.265	ug/l	99

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

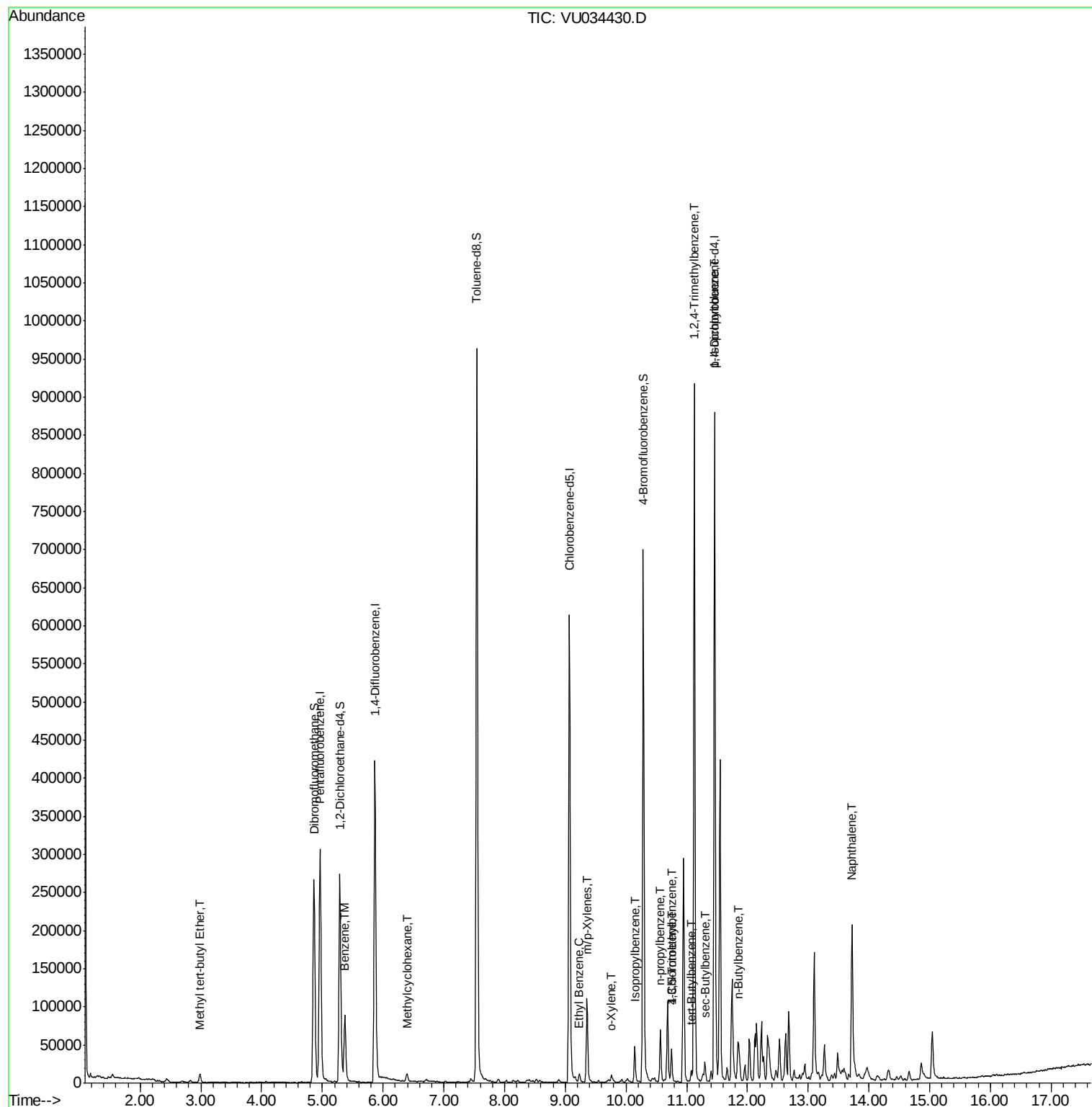
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090919\
Data File : VU034430.D
Acq On : 09 Sep 2019 13:59
Operator : JC/SP
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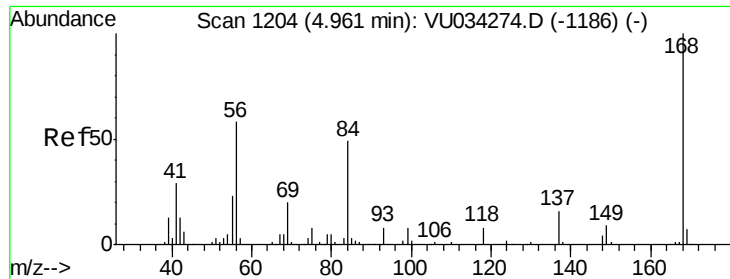
Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

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Quant Time: Sep 10 06:43:30 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# 1205

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

Tot Ion:168 Resp: 255384

Ion Ratio Lower Upper

168 100

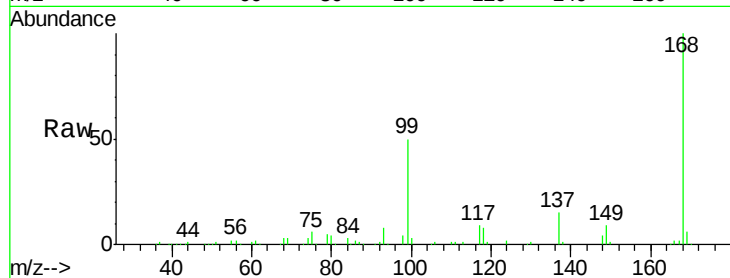
99 50.4 41.6 62.4

Manual Integrations

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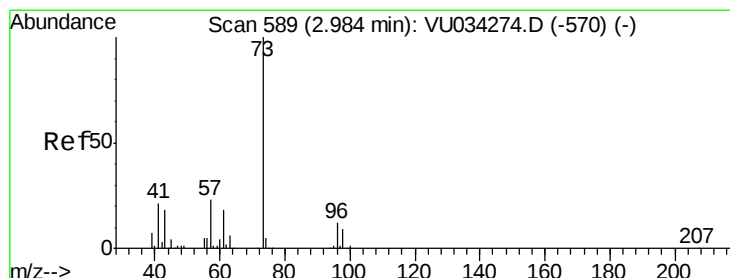
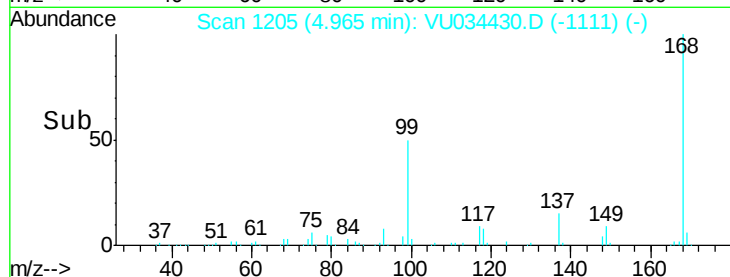
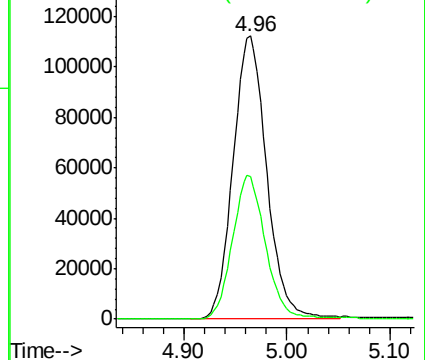
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#19

Methyl tert-butyl Ether

Concen: 0.924 ug/l

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034430.D

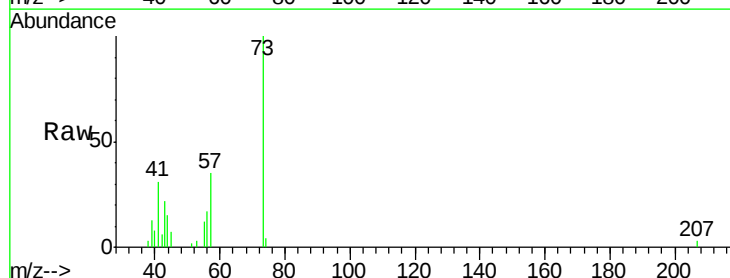
Acq: 09 Sep 2019 13:59

Tgt Ion: 73 Resp: 9360

Ion Ratio Lower Upper

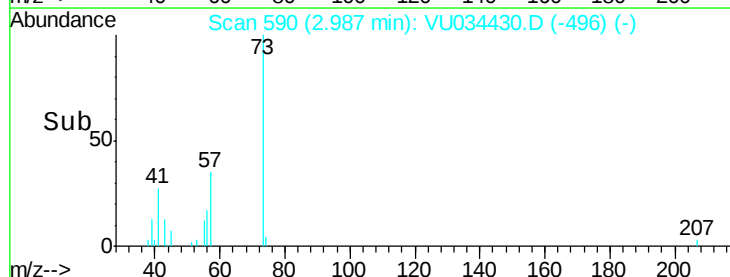
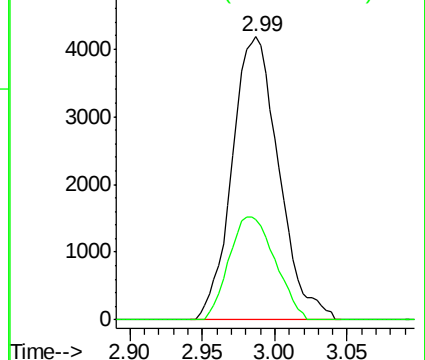
73 100

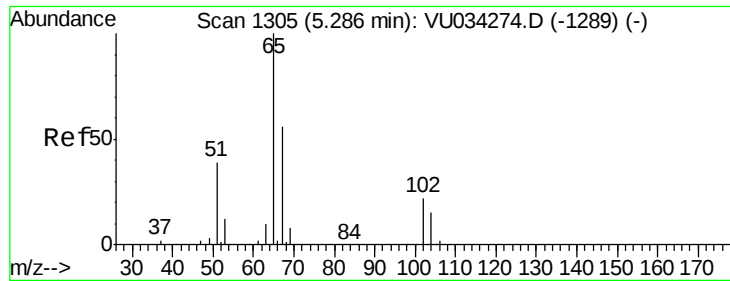
57 35.4 18.2 27.4#



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





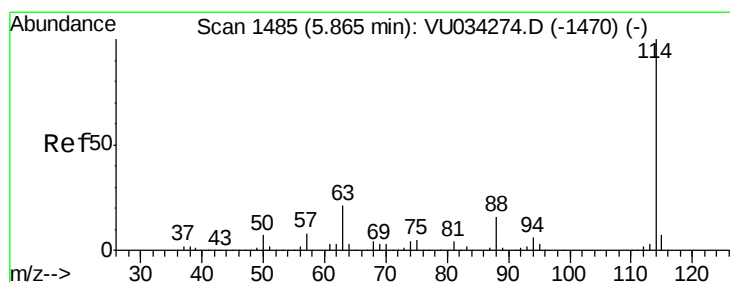
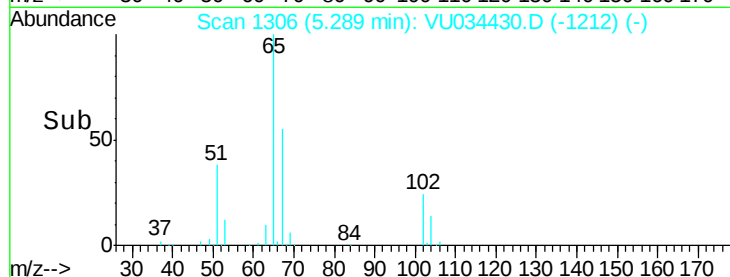
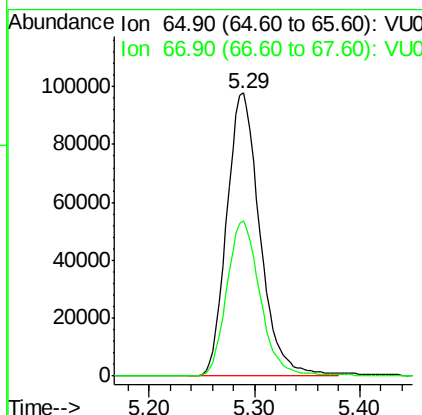
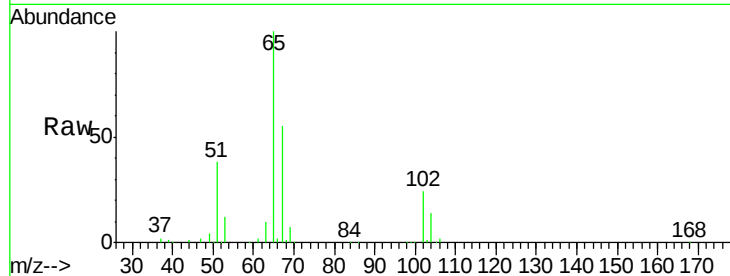
#33
 1,2-Dichloroethane-d4
 Concen: 55.211 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0274DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213339		
67	54.8	0.0	112.4	

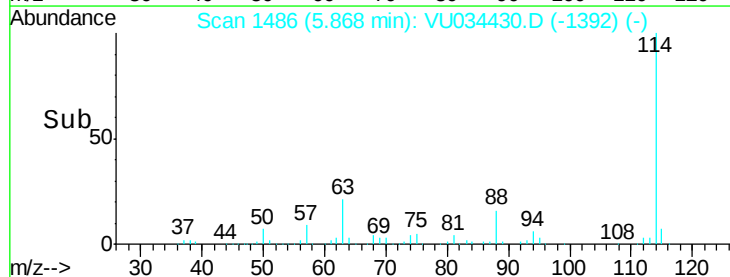
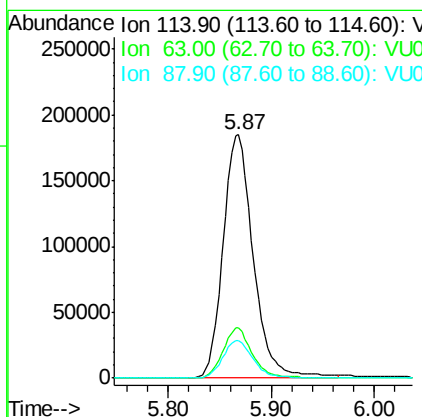
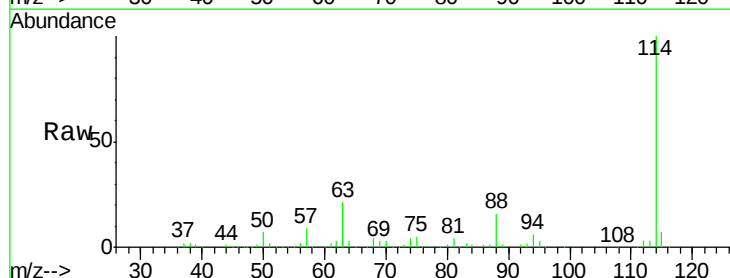
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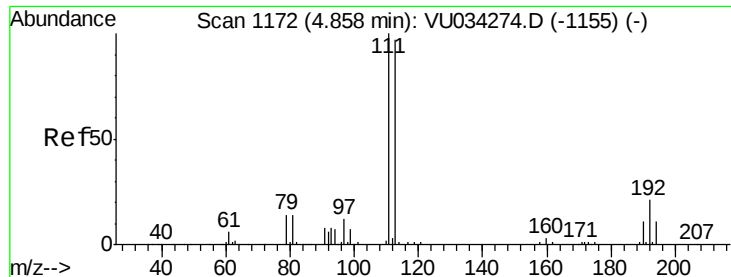
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	377892		
63	20.7	0.0	42.4	
88	15.5	0.0	32.4	





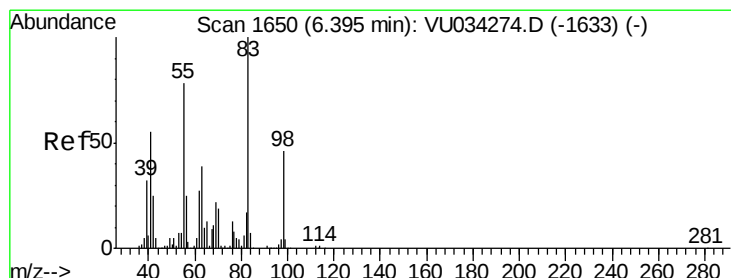
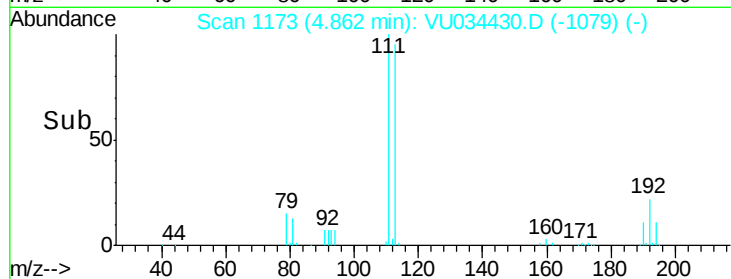
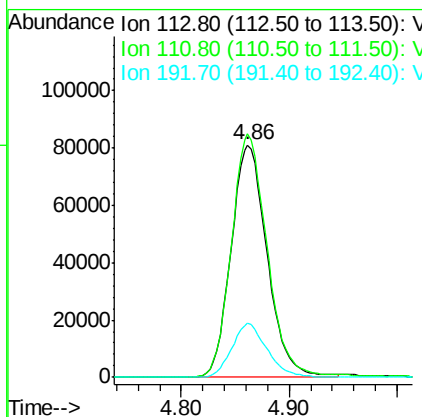
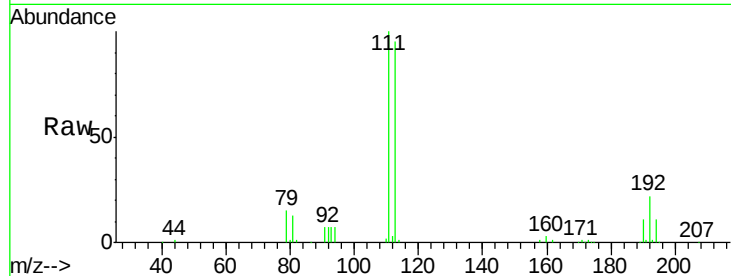
#35
Dibromofluoromethane
Concen: 53.712 ug/l
RT: 4.86 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Instrument :
MSVOA_U
ClientSampled :
S13-0274DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188868		
111	104.7	81.5	122.3	
192	22.8	17.8	26.8	

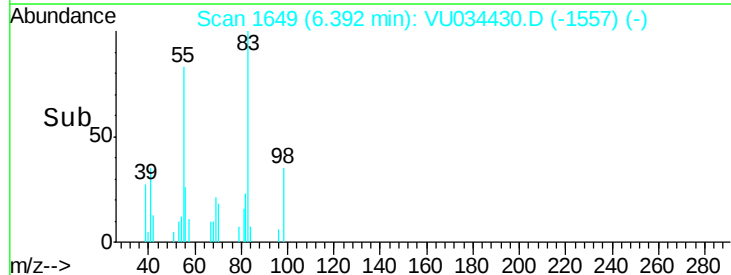
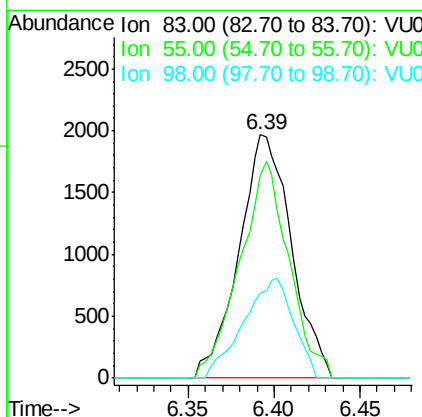
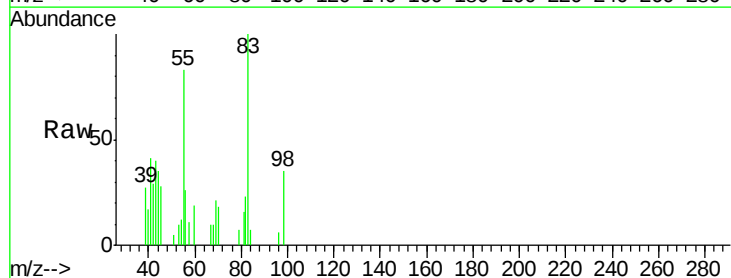
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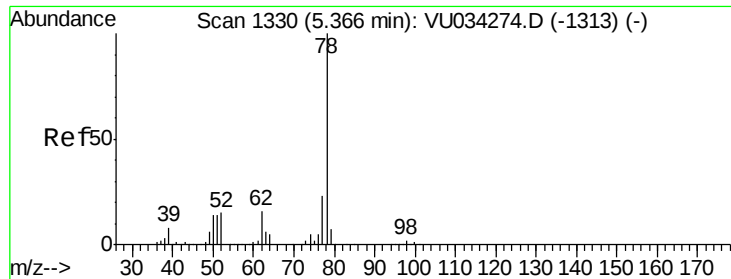
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#39
Methylcyclohexane
Concen: 0.947 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4149		
55	83.1	62.1	93.1	
98	34.6	37.0	55.6#	





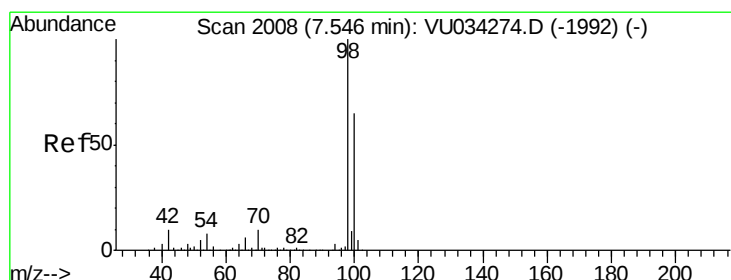
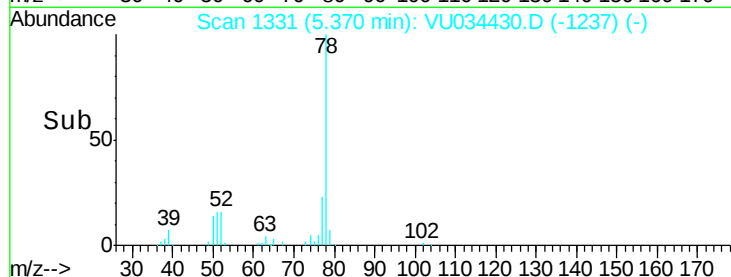
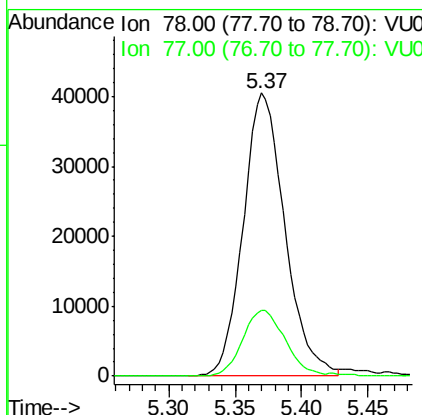
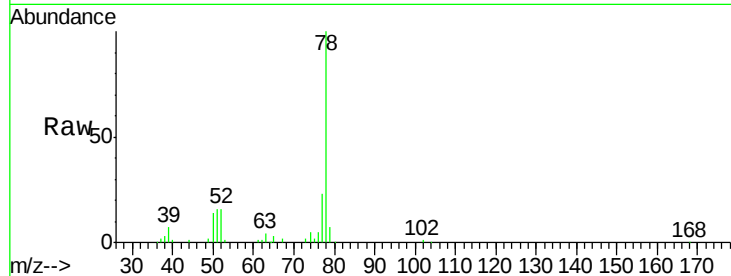
#40
Benzene
Concen: 6.712 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1

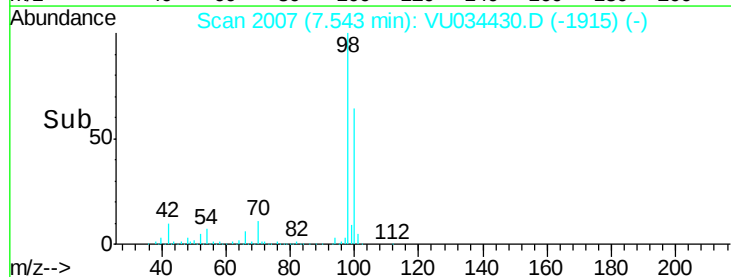
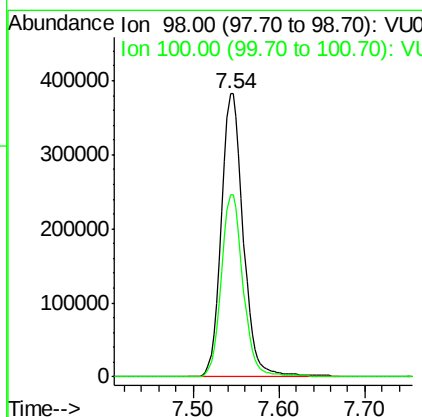
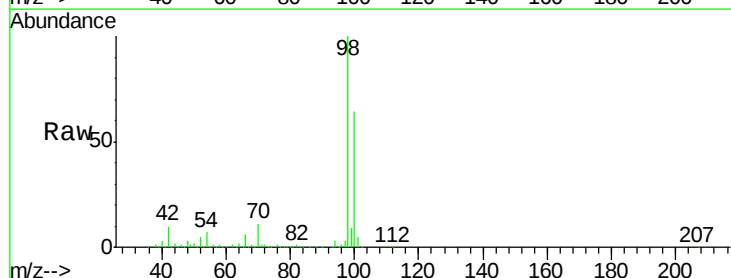
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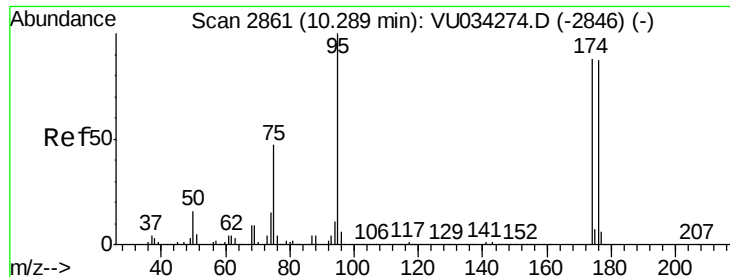
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#50
Toluene-d8
Concen: 51.631 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 47.466 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

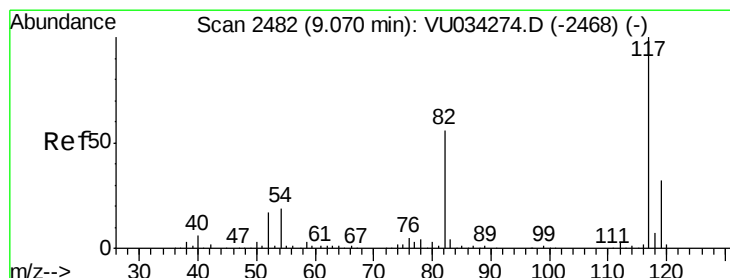
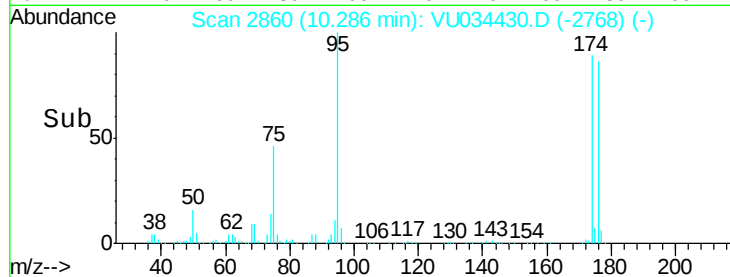
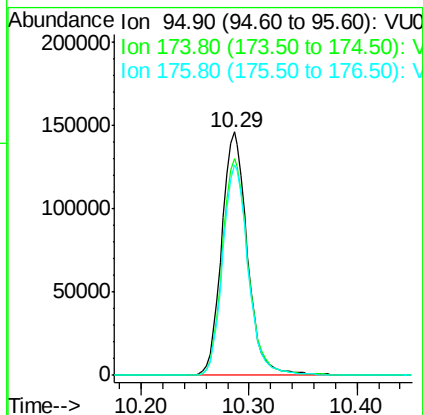
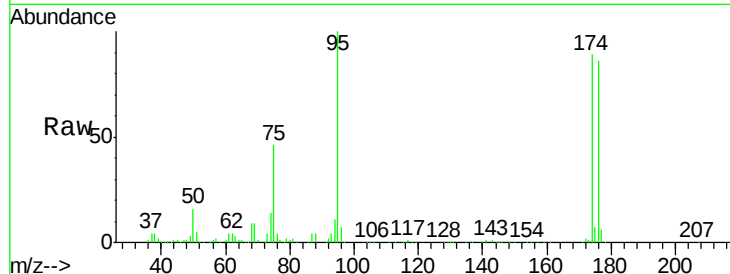
ClientSampleId :

S13-0274DL

Tot Ion:	95	Resp:	242104
Ion Ratio	Lower	Upper	
95	100		
174	90.0	0.0	175.2
176	85.8	0.0	168.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

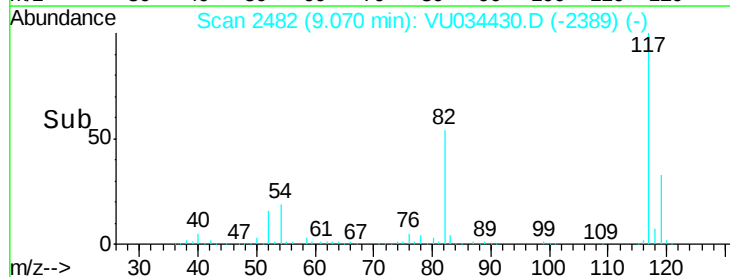
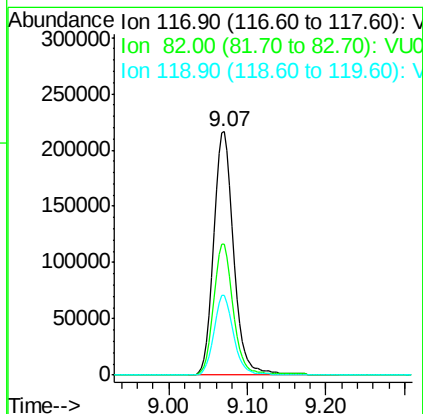
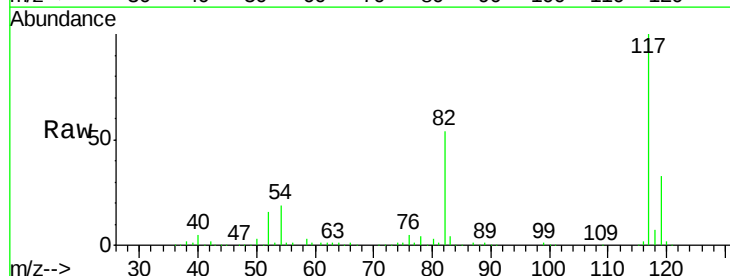
RT: 9.07 min Scan# 2482

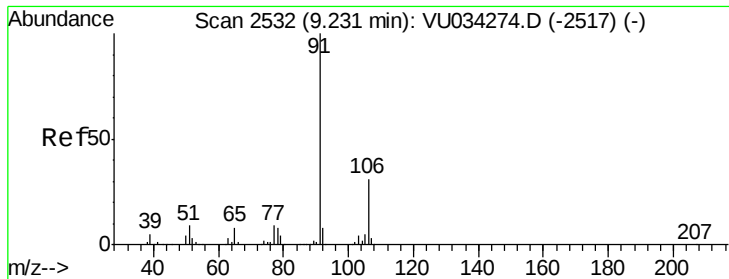
Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Tgt Ion:	117	Resp:	380073
Ion Ratio	Lower	Upper	
117	100		
82	53.7	44.6	67.0
119	32.5	25.9	38.9





#67

Ethyl Benzene

Concen: 0.543 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampled :

S13-0274DL

Tot Ion: 91 Resp: 8566

Ion Ratio Lower Upper

91 100

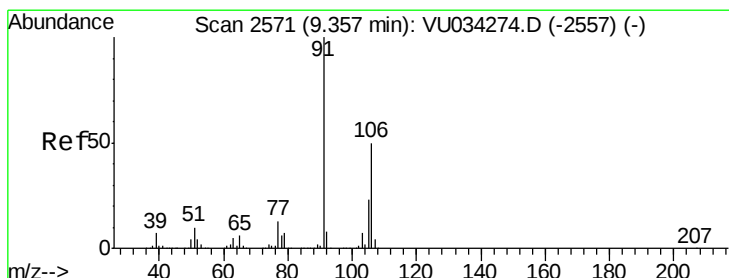
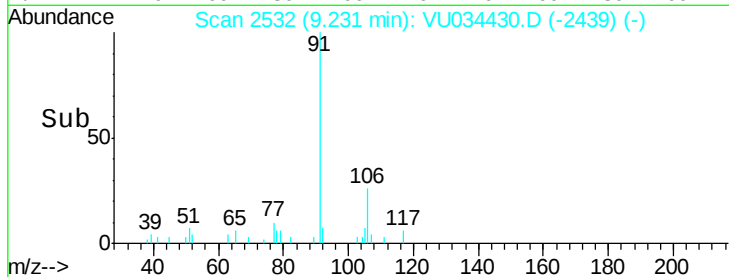
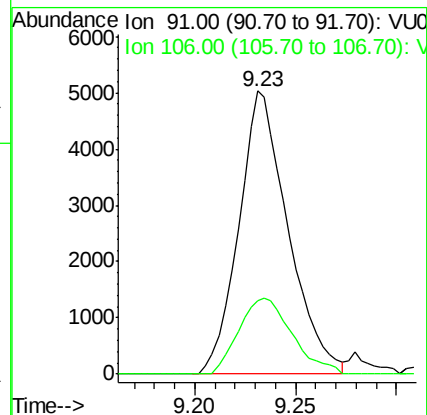
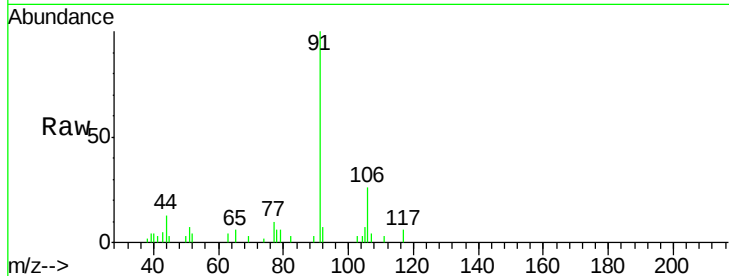
106 25.8 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 5.360 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU034430.D

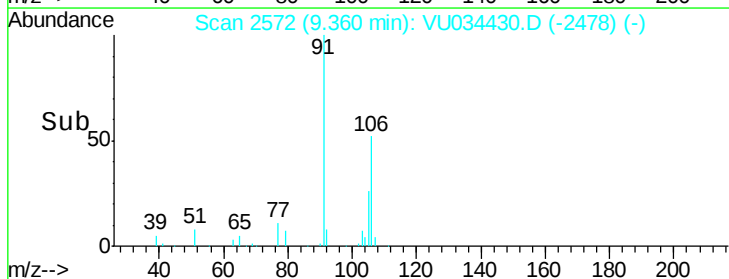
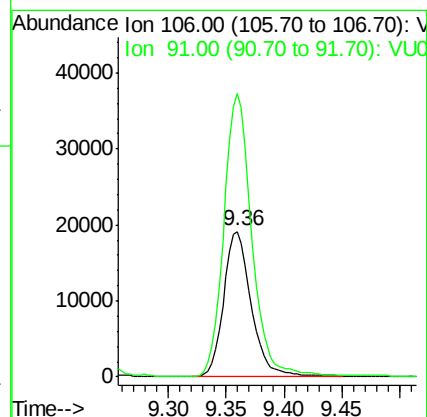
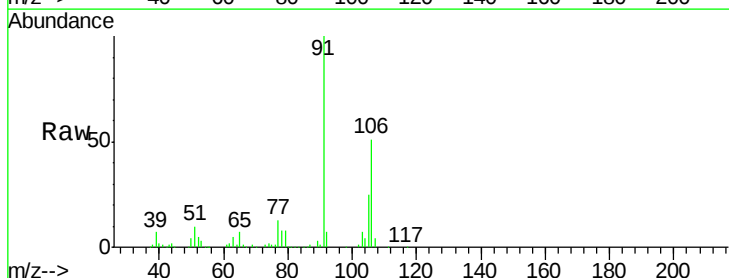
Acq: 09 Sep 2019 13:59

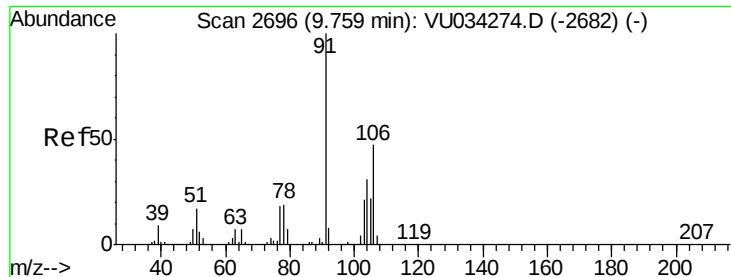
Tgt Ion: 106 Resp: 31820

Ion Ratio Lower Upper

106 100

91 196.1 160.1 240.1





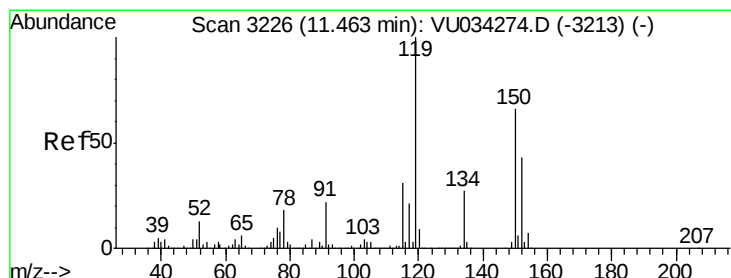
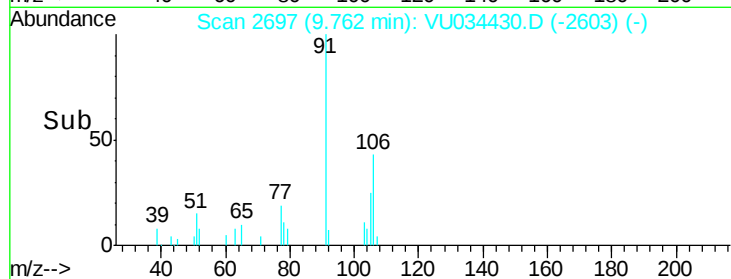
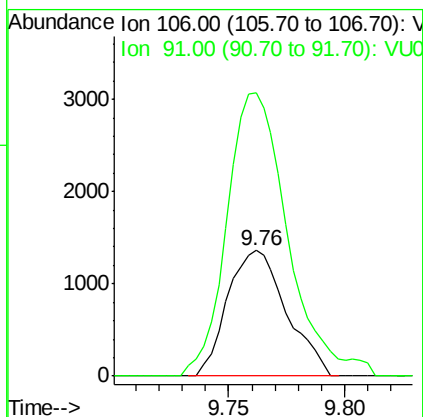
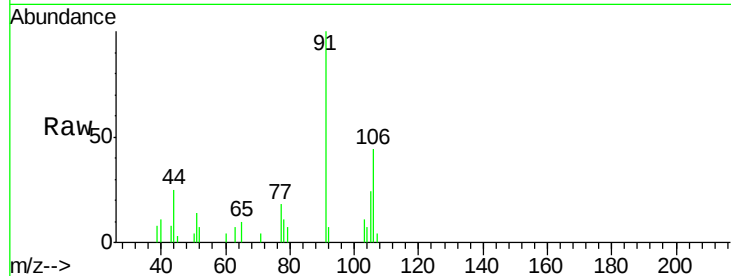
#69
o-Xylene
Concen: 0.415 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.5	105.1	315.3

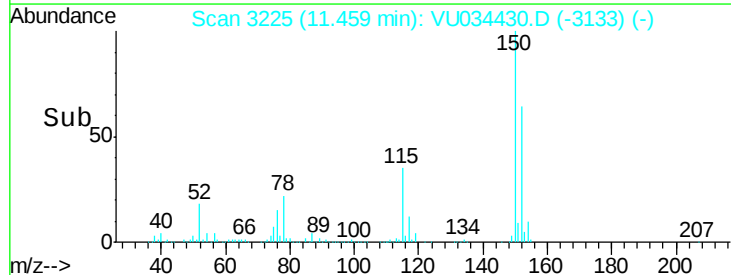
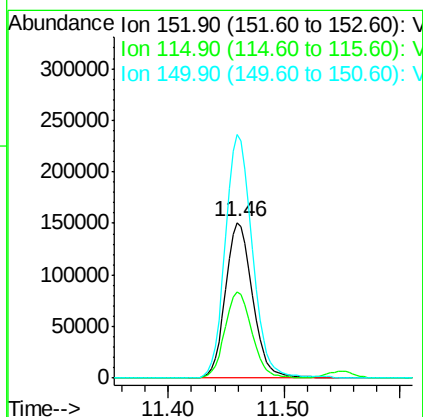
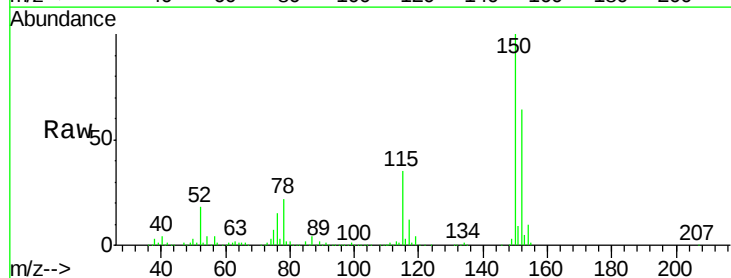
Manual Integrations
APPROVED

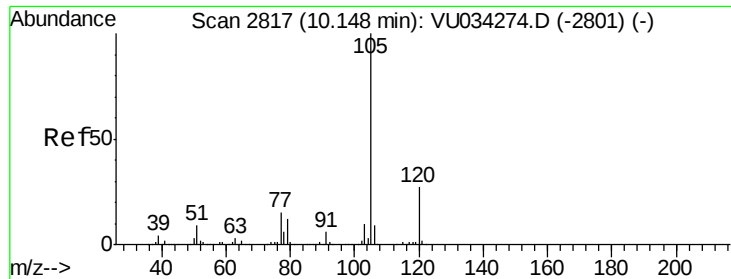
MMDadoda
9/10/2019 4:17:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	39.1	117.3
150	156.7	0.0	345.4





#73

Isopropylbenzene

Concen: 1.931 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

Tot Ion: 105 Resp: 30543

Ion Ratio Lower Upper

105 100

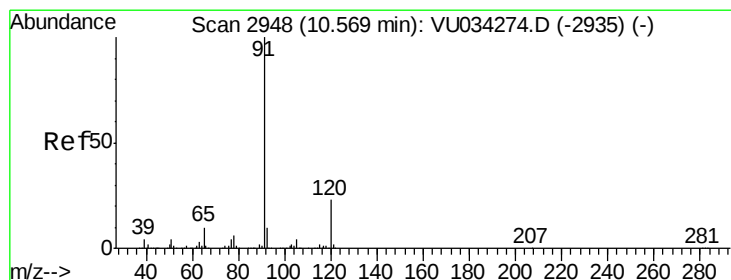
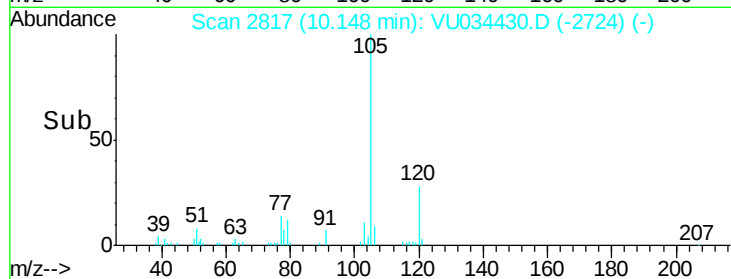
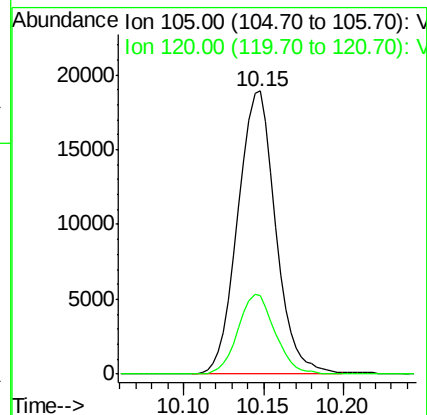
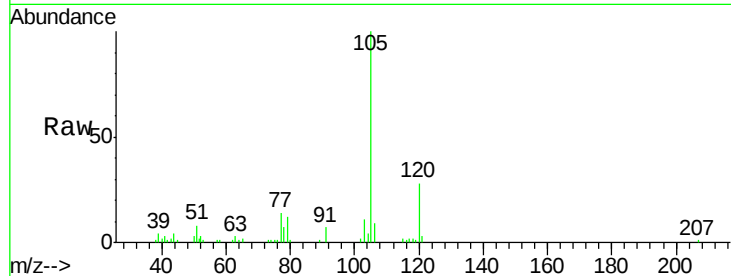
120 27.4 13.4 40.2

Manual Integrations

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#78

n-propylbenzene

Concen: 2.952 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034430.D

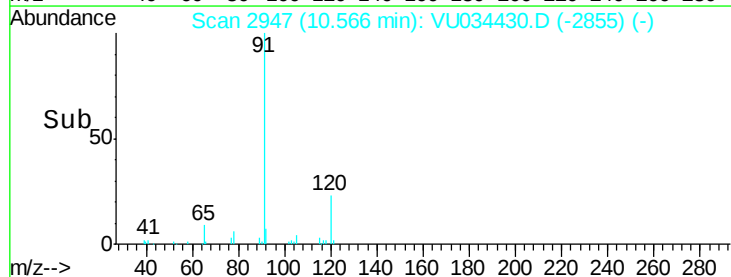
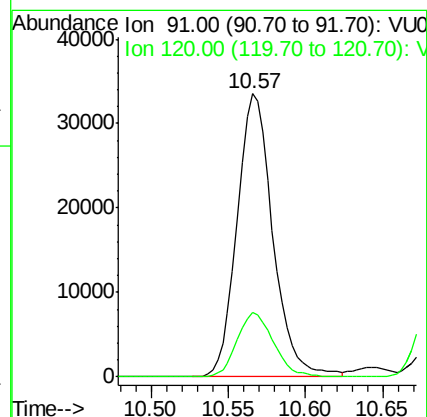
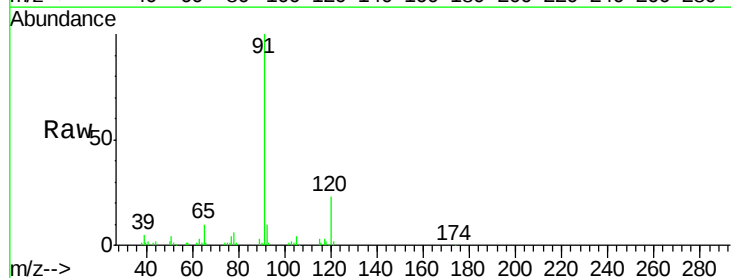
Acq: 09 Sep 2019 13:59

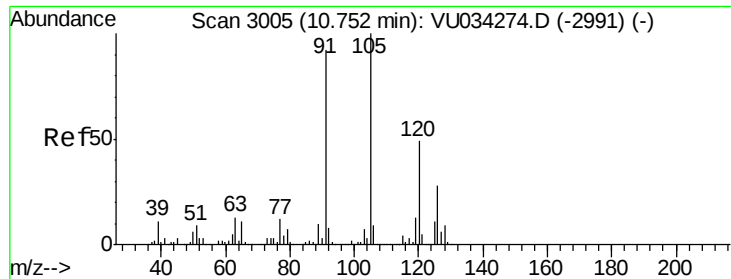
Tgt Ion: 91 Resp: 53922

Ion Ratio Lower Upper

91 100

120 23.1 11.7 35.0





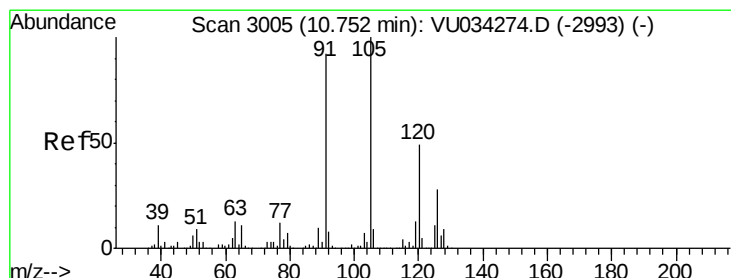
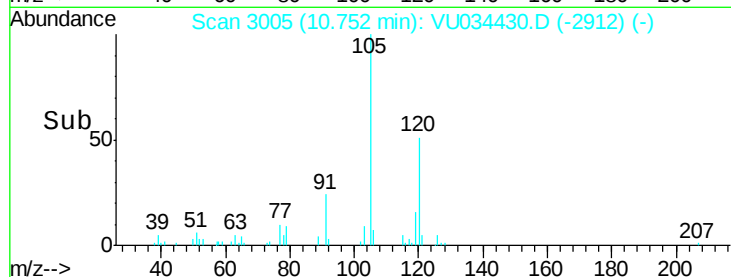
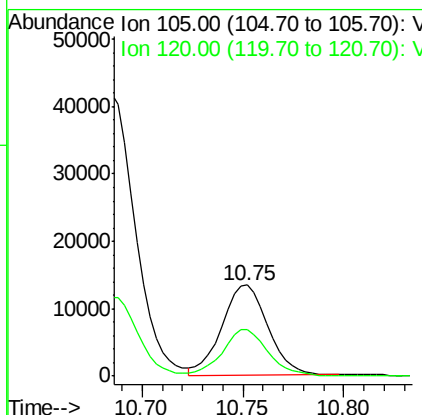
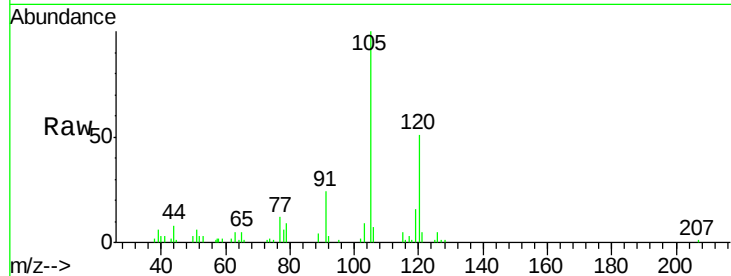
#80
 1,3,5-Trimethylbenzene
 Concen: 1.610 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0274DL

Tot Ion:105 Resp: 21297
 Ion Ratio Lower Upper
 105 100
 120 52.6 24.9 74.7

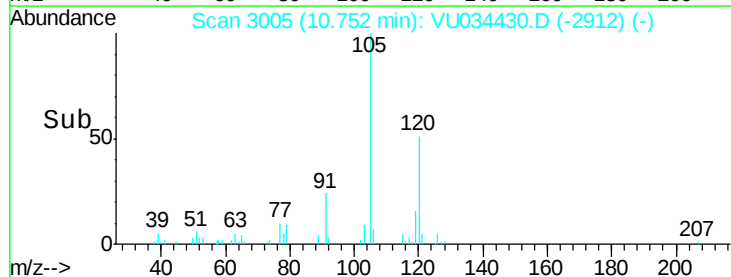
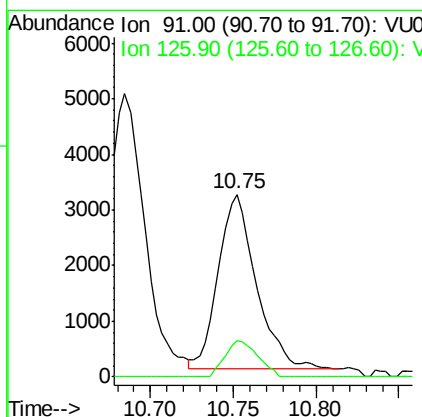
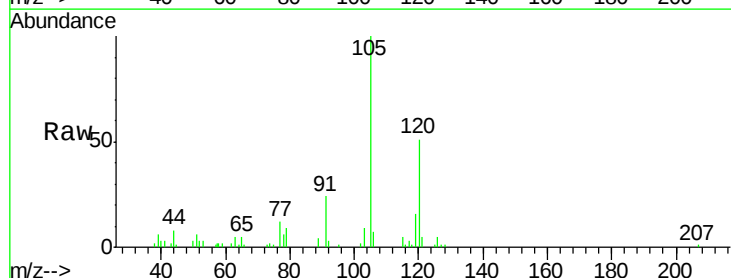
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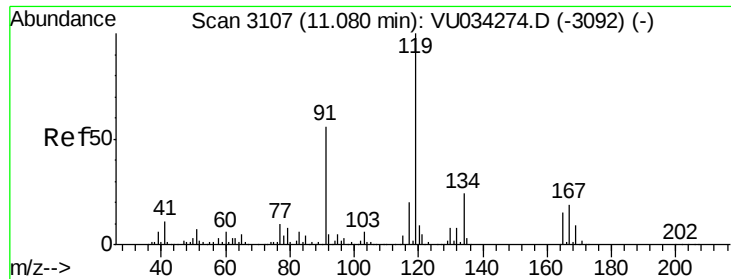
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#82
 4-Chlorotoluene
 Concen: 0.394 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion: 91 Resp: 5049
 Ion Ratio Lower Upper
 91 100
 126 17.6 15.3 45.8





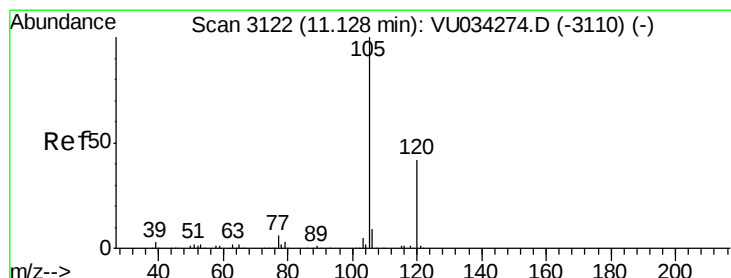
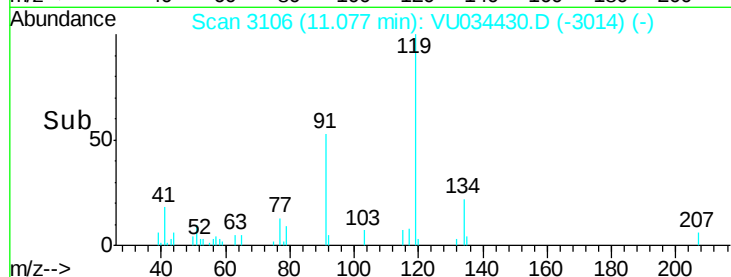
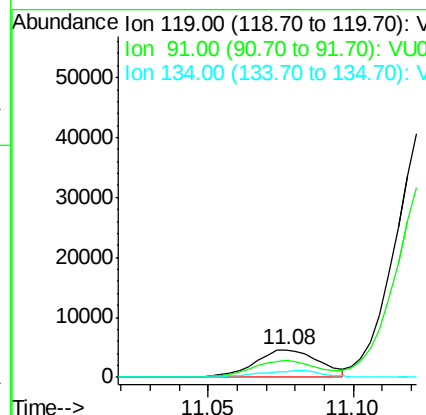
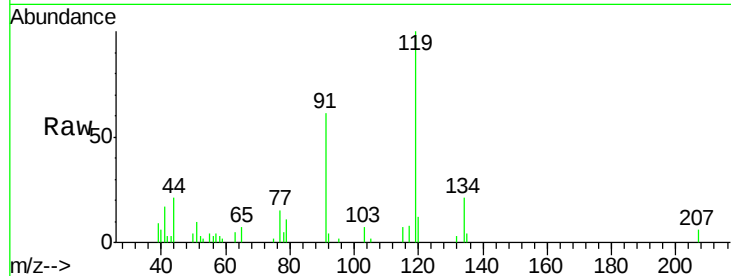
#83
 tert-Butylbenzene
 Concen: 0.535 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Instrument :
 MSVOA_U
 ClientSampleID :
 S13-0274DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	27.8	83.4
134	23.3	11.7	35.0

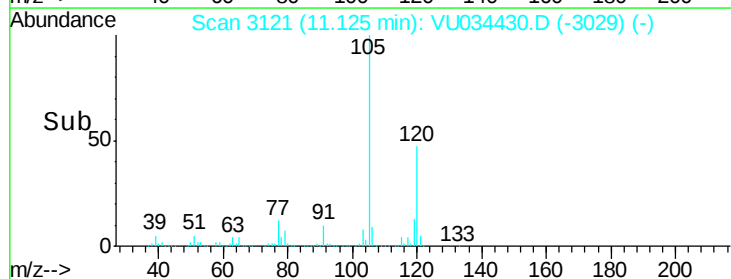
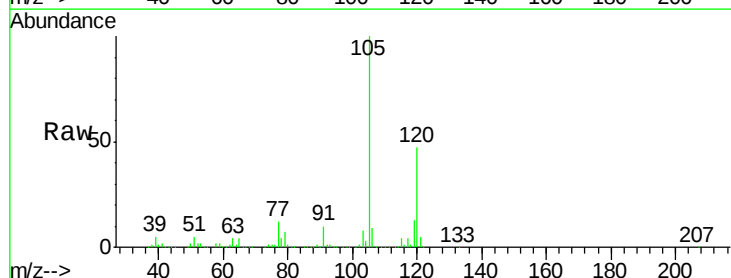
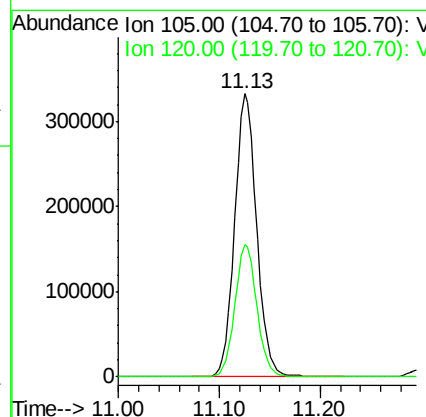
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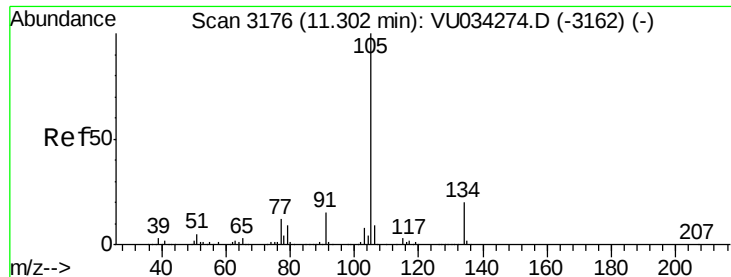
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#84
 1,2,4-Trimethylbenzene
 Concen: 38.052 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 1.102 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

Tot Ion:105 Resp: 17217

Ion Ratio Lower Upper

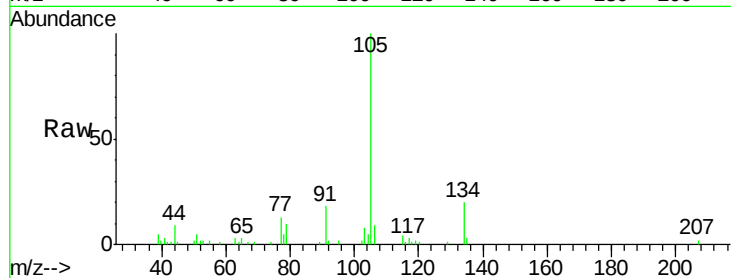
105 100

134 20.0 10.1 30.3

Manual Integrations
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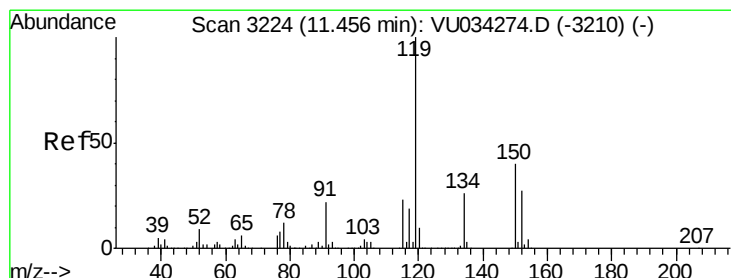
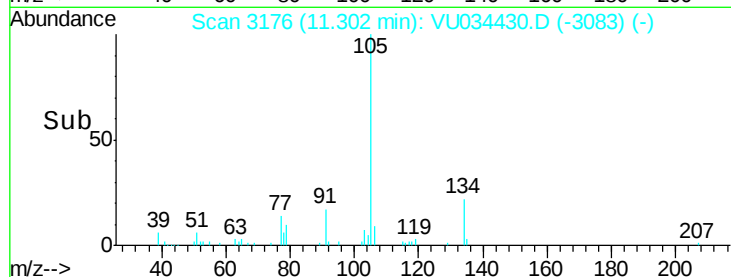


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

Time-->



#86

p-Isopropyltoluene

Concen: 1.156 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

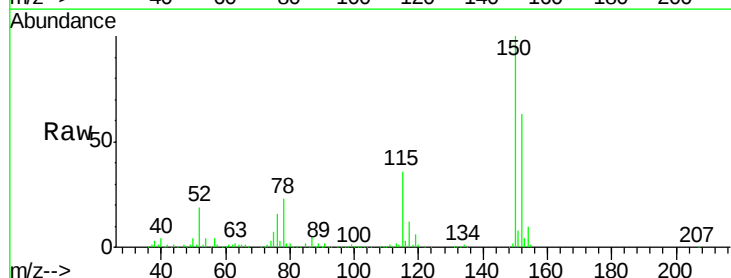
Tgt Ion:119 Resp: 16670

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 28.5 11.2 33.6



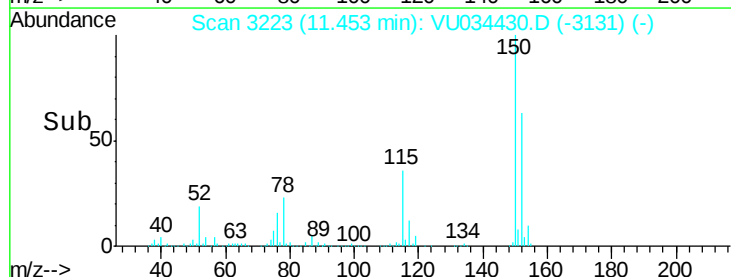
Abundance Ion 119.00 (118.70 to 119.70): V

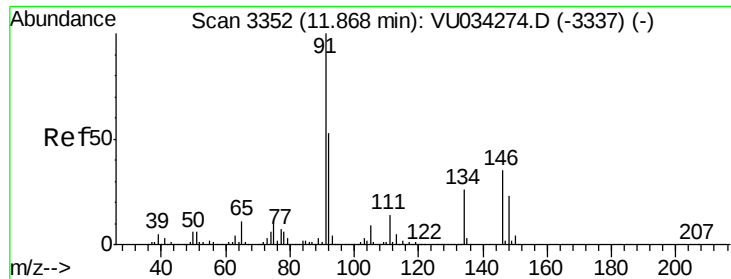
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.45

Time-->





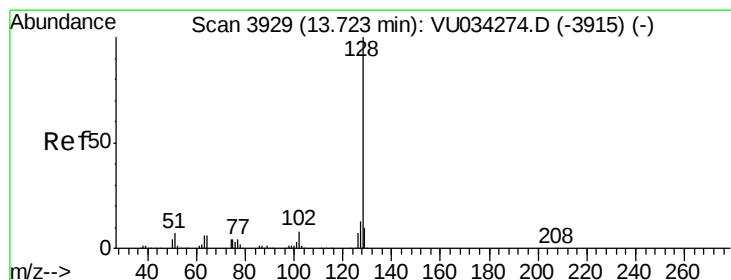
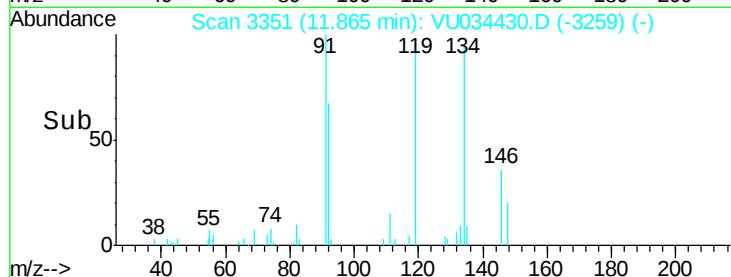
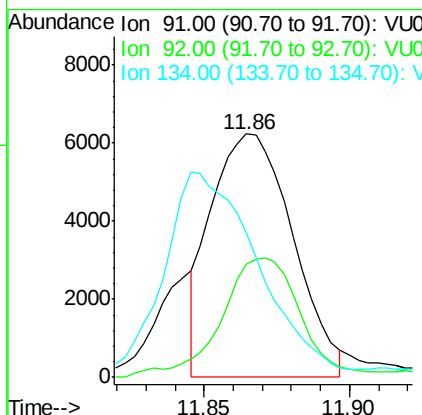
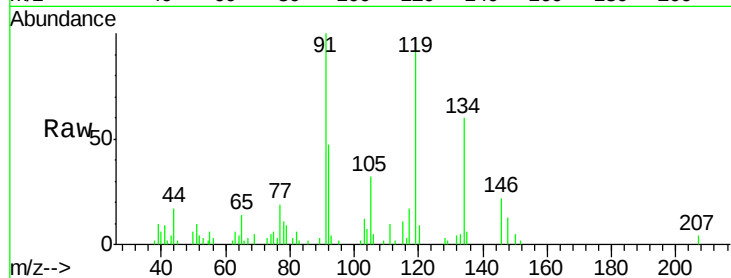
#89
n-Butylbenzene
Concen: 0.977 ug/l m
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Instrument :
MSVOA_U
ClientSampled :
S13-0274DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.5	79.4
134	0.0	13.2	39.6

Manual Integrations
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#95
Naphthalene
Concen: 15.265 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.4	12.6

