

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034821.D
 Acq On : 25 Sep 2019 22:41
 Operator : JC/SP
 Sample : K4983-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ4

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:06:45 PM

Quant Time: Sep 26 09:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 06:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	467929	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	442651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	201558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	192411	40.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.34%
7) Chloroethane-d5	1.67	69	168075	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.26	63	258698m	31.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.78%
21) 2-Butanone-d5	4.15	46	429840	117.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.08%
24) Chloroform-d	4.62	84	332530	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.28	65	232219	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
32) Benzene-d6	5.32	84	699067	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
36) 1,2-Dichloropropane-d6	6.31	67	244258	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.88%
41) Toluene-d8	7.54	98	667712	51.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.30%
43) trans-1,3-Dichloropropene-	7.83	79	105959	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.26%
47) 2-Hexanone-d5	8.29	63	289807	120.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.32%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339970	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.84	152	239863	56.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	138250	32.371	ug/L	95
15) Methyl Acetate	2.60	43	6689	1.173	ug/L #	92
16) Methylene chloride	2.68	84	82097	21.170	ug/L	95
22) 2-Butanone	4.25	43	50979	10.034	ug/L	100
51) Chlorobenzene	9.10	112	21331	2.115	ug/L	99
52) Ethylbenzene	9.23	91	47073	2.519	ug/L	97
53) m,p-Xylene	9.36	106	38412	5.805	ug/L	97
54) o-xylene	9.76	106	44628	6.818	ug/L	99
56) Isopropylbenzene	10.14	105	42169	2.389	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	13726	1.946	ug/L	94

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

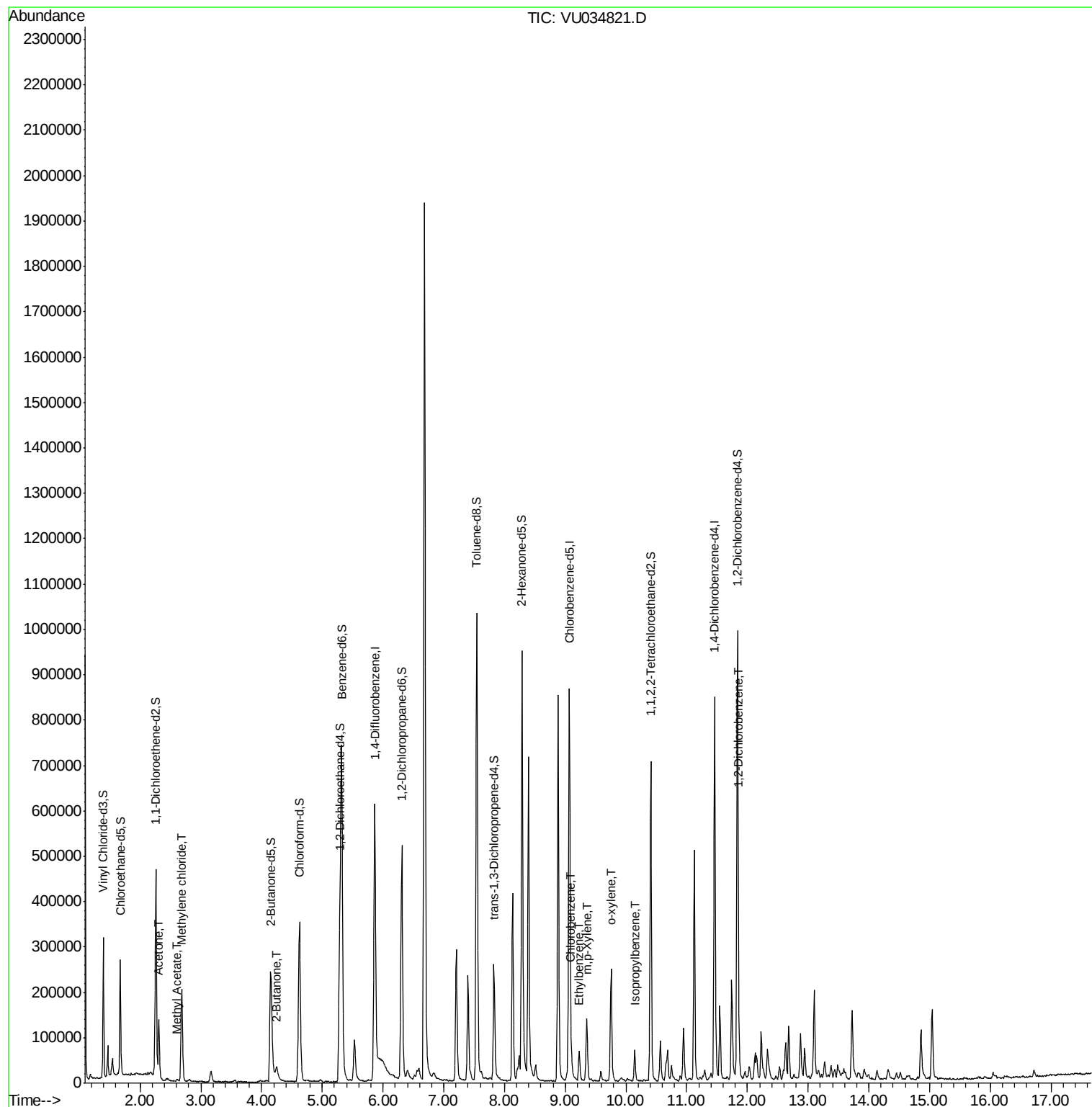
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
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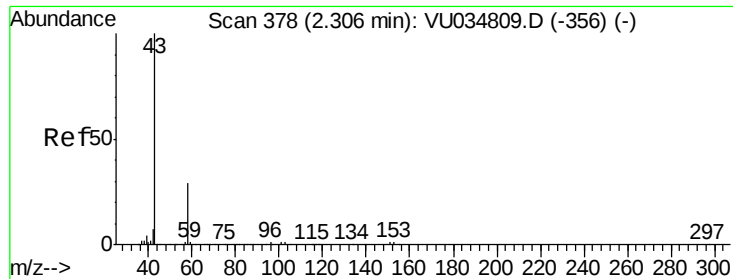
Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

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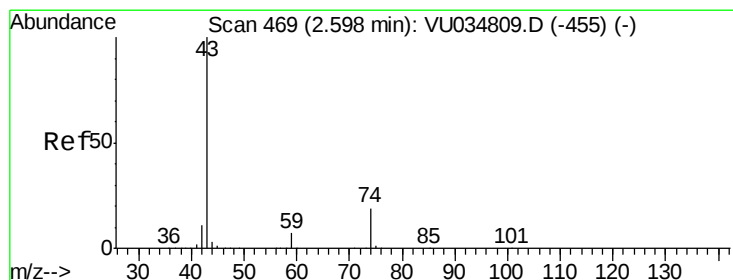
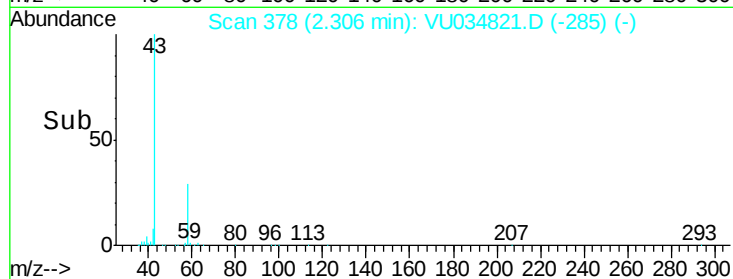
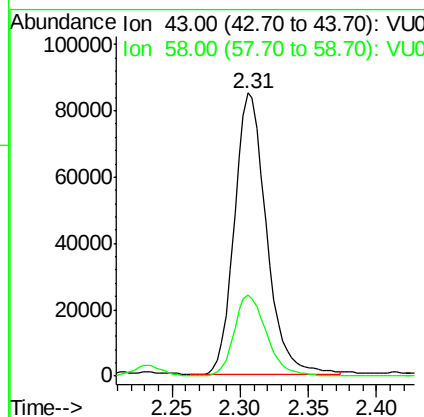
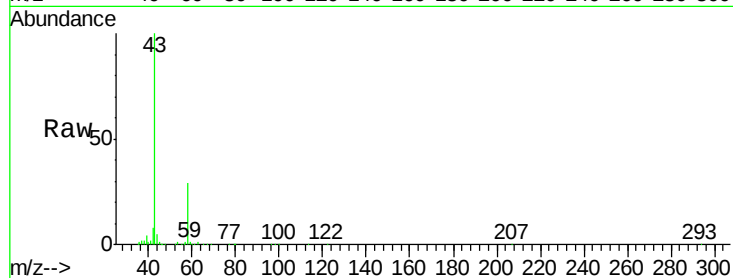
#13
Acetone
Concen: 32.371 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	29.1	0.0	53.4	

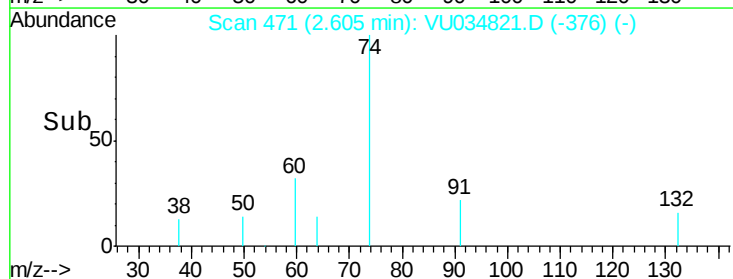
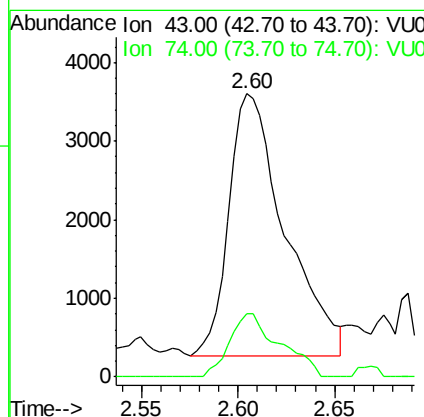
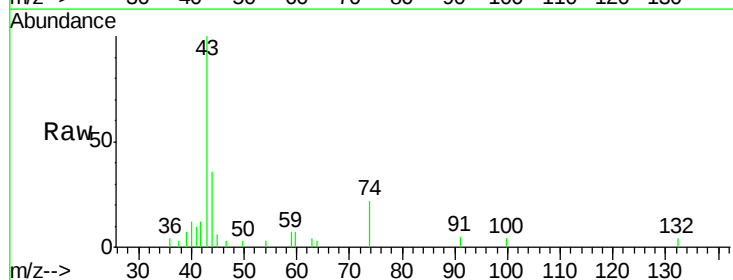
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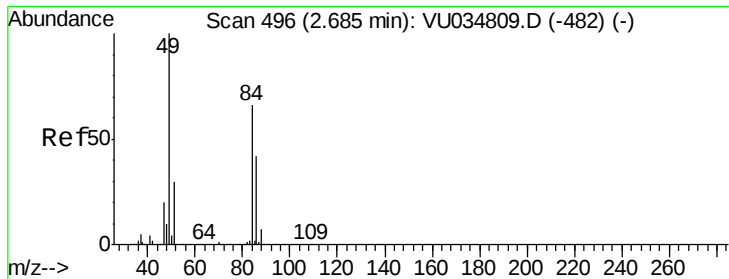
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#15
Methyl Acetate
Concen: 1.173 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
74	21.7	14.4	21.6	





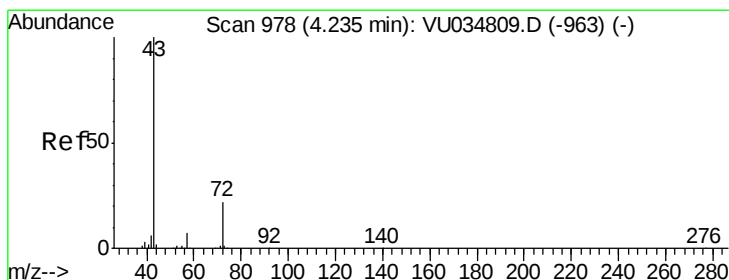
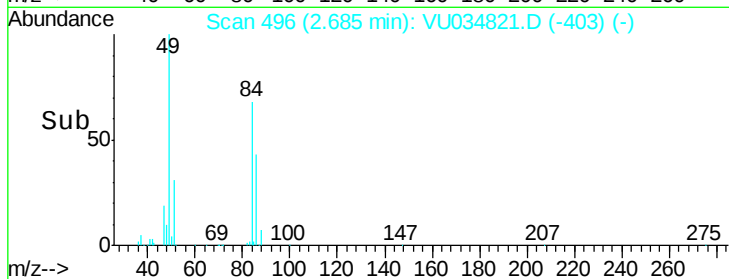
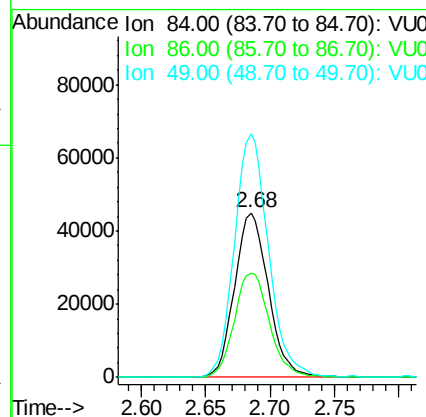
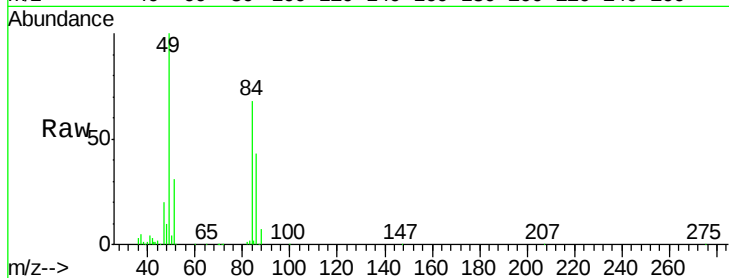
#16
Methylene chloride
Concen: 21.170 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Instrument :
MSVOA_U
ClientSampled :
BFDJ4

Tot Ion	Ratio	Lower	Upper
84	100		
86	63.4	43.0	80.0
49	148.1	109.7	203.7

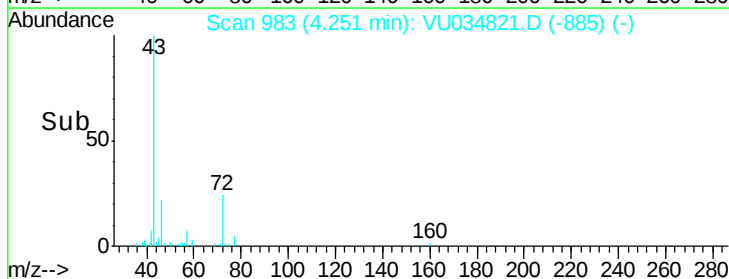
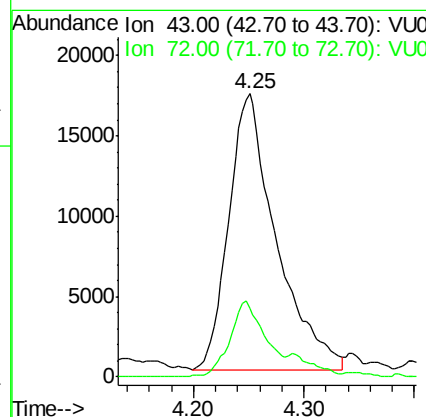
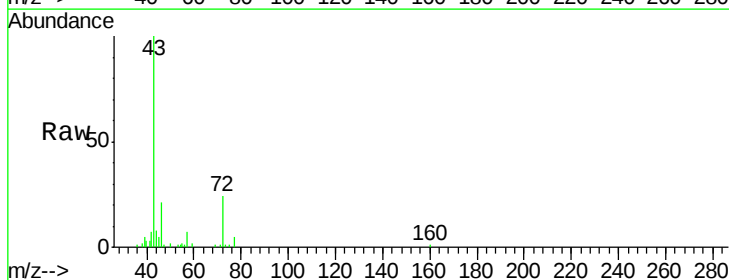
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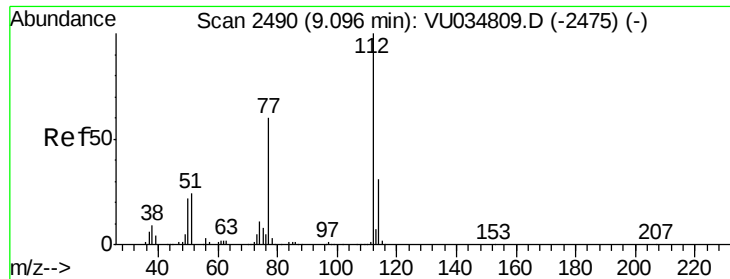
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#22
2-Butanone
Concen: 10.034 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	10.2	30.6





#51

Chlorobenzene

Concen: 2.115 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

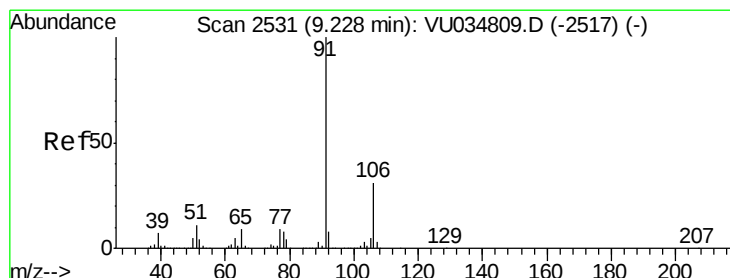
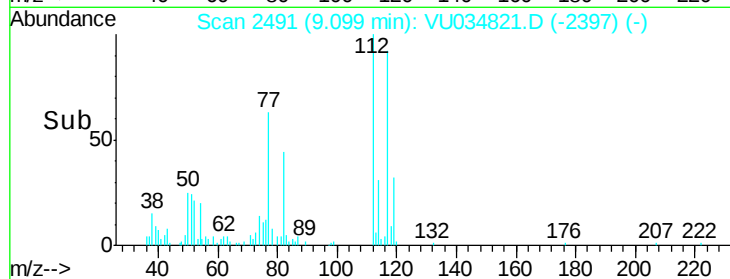
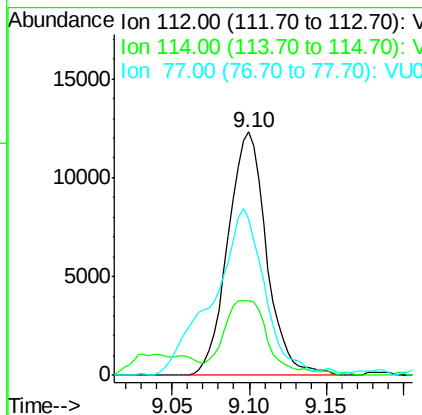
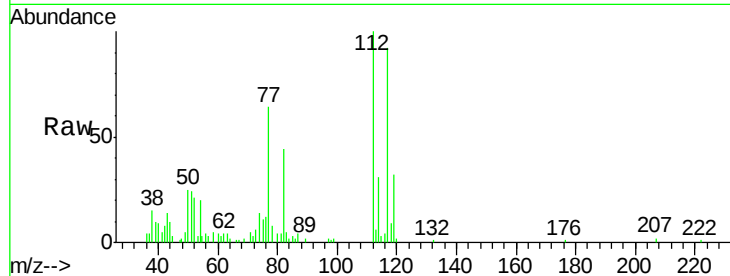
ClientSampleId :

BFDJ4

Tot Ion:	112	Resp:	21331
Ion Ratio	Lower	Upper	
112	100		
114	30.6	22.8	42.4
77	64.1	51.5	77.3

Manual Integrations
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9/26/2019 1:06:45 PM



#52

Ethylbenzene

Concen: 2.519 ug/L

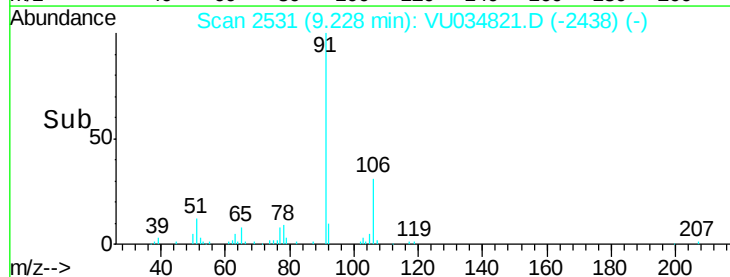
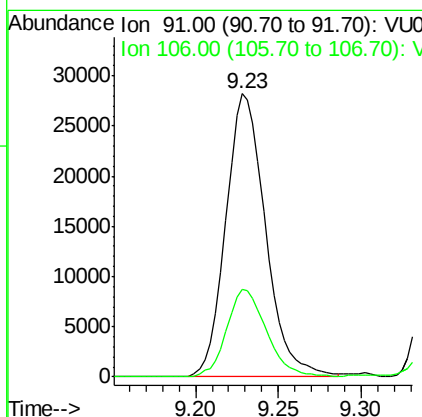
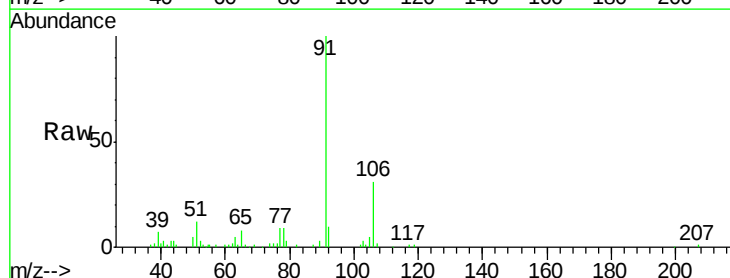
RT: 9.23 min Scan# 2531

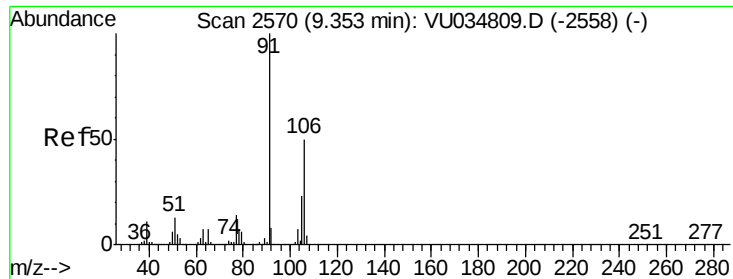
Delta R.T. -0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Tgt Ion:	91	Resp:	47073
Ion Ratio	Lower	Upper	
91	100		
106	30.9	20.6	38.4





#53

m,p-Xylene

Concen: 5.805 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

ClientSampled :

BFDJ4

Tot Ion:106 Resp: 38412

Ion Ratio Lower Upper

106 100

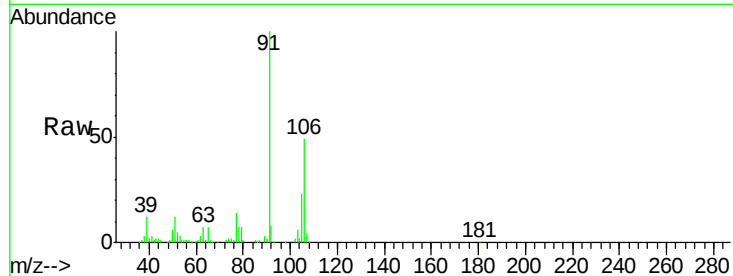
91 204.7 146.9 272.7

Manual Integrations

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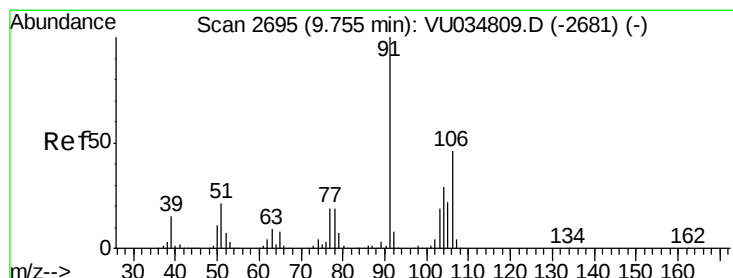
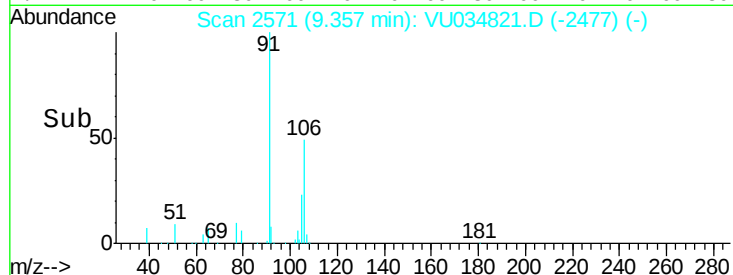
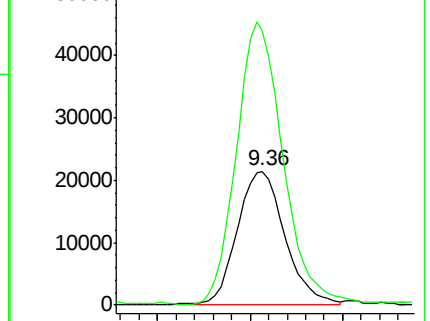
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 6.818 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034821.D

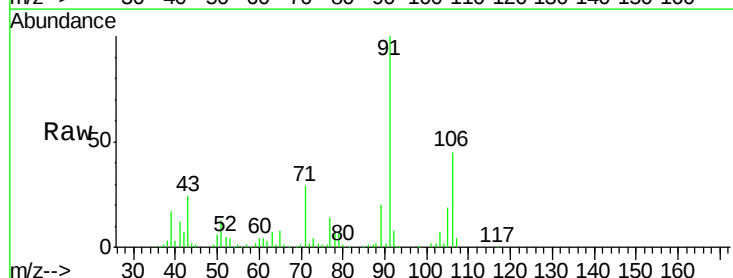
Acq: 25 Sep 2019 22:41

Tgt Ion:106 Resp: 44628

Ion Ratio Lower Upper

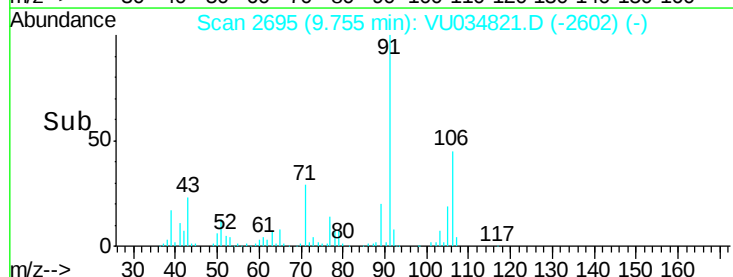
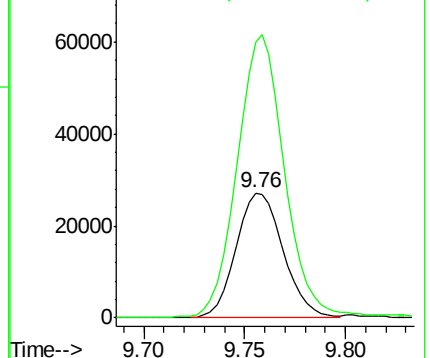
106 100

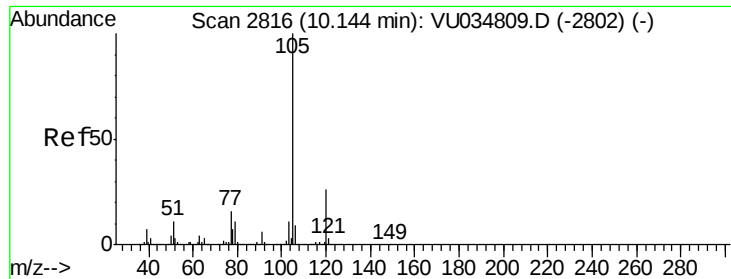
91 221.1 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.389 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

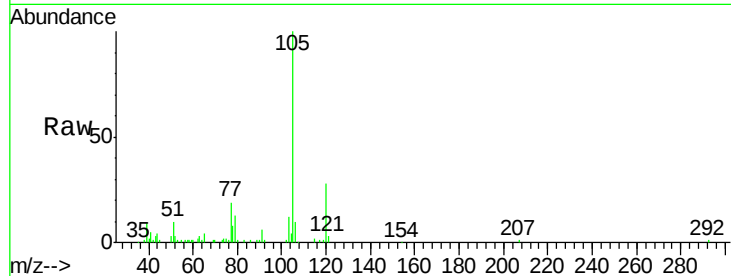
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BFDJ4

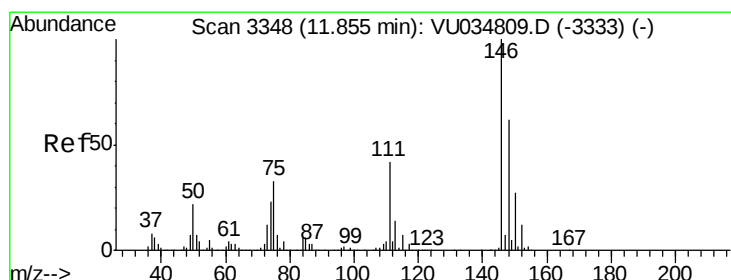
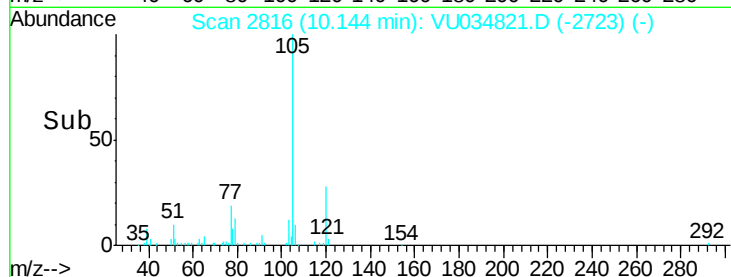
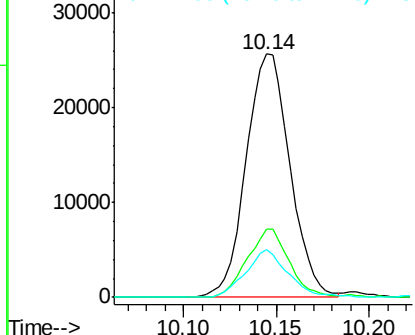
Tot Ion:	105	Resp:	42169
Ion Ratio	Lower	Upper	
105	100		
120	26.8	20.4	30.6
77	18.9	14.2	21.4

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#65

1,2-Dichlorobenzene

Concen: 1.946 ug/L

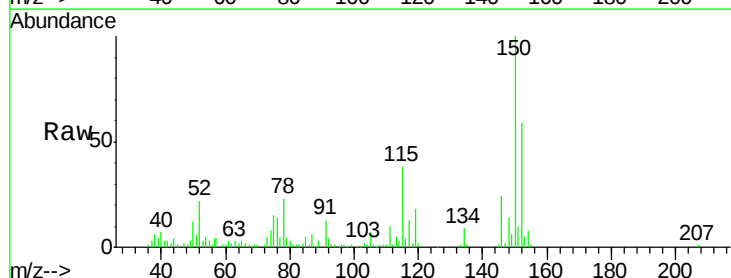
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Tgt Ion:	146	Resp:	13726
Ion Ratio	Lower	Upper	
146	100		
111	41.3	35.2	52.8
148	59.9	53.0	79.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

