Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

Quant Time: Oct 02 02:32:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	351888	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	336006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	146972	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	101072	40.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.96%			
7) Chloroethane-d5	1.67	69	90146	43.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.02%			
11) 1,1-Dichloroethene-d2	2.26	63	154173	35.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.12%			
21) 2-Butanone-d5	4.15	46	276707	114.98	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.98%			
24) Chloroform-d	4.62	84	220951	46.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.34%			
26) 1,2-Dichloroethane-d4	5.29	65	164312	46.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.52%			
32) Benzene-d6	5.32	84	431571	47.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.38%			
36) 1,2-Dichloropropane-d6	6.31	67	152104	48.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.74%			
41) Toluene-d8	7.54	98	400910	46.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.16%			
43) trans-1,3-Dichloropropene-	7.83	79	67203	48.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.50%			
47) 2-Hexanone-d5	8.29	63	178902	118.85	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 118.85%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	218266	48.59	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.18%			
64) 1,2-Dichlorobenzene-d4	11.84	152	144891	49.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.10%			
Target Compounds						Qvalue
13) Acetone	2.31	43	113092	59.126	ug/L	98
15) Methyl Acetate	2.61	43	4279m	1.401	ug/L	
16) Methylene chloride	2.69	84	34292	17.789	ug/L	94
22) 2-Butanone	4.25	43	37673	15.164	ug/L	98
33) Benzene	5.37	78	11075	1.545	ug/L	100
35) Methylcyclohexane	6.39	83	4862	2.163	ug/L	92
53) m,p-Xylene	9.35	106	70746	22.370	ug/L	98
54) o-xylene	9.76	106	45410	13.615	ug/L	96
56) Isopropylbenzene	10.14	105	28067	3.012	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	4519	1.131	ug/L	93
65) 1,2-Dichlorobenzene	11.85	146	19340	4.535	ug/L	89

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

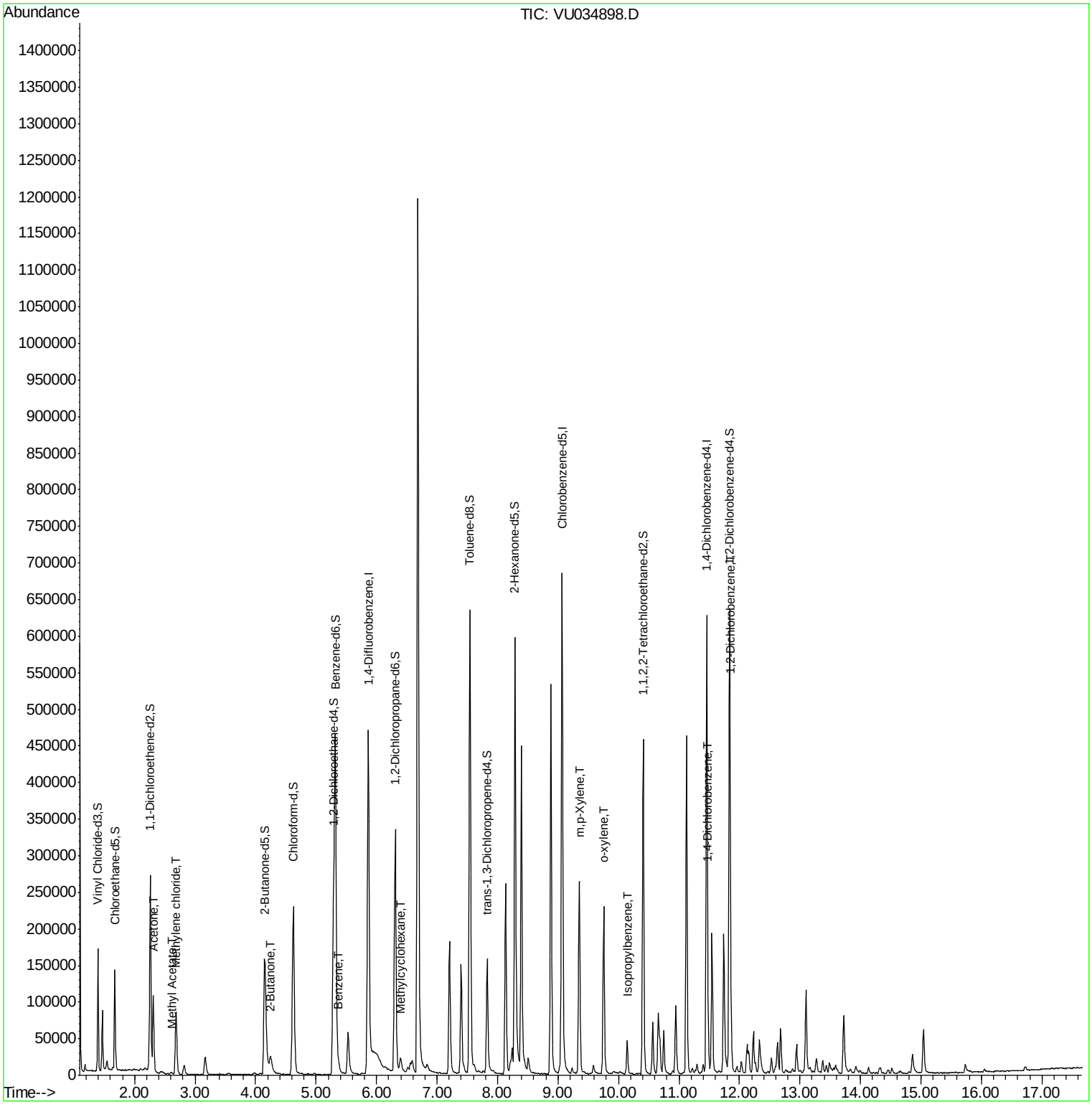
Quantitation Report (QT/LSC Reviewed)

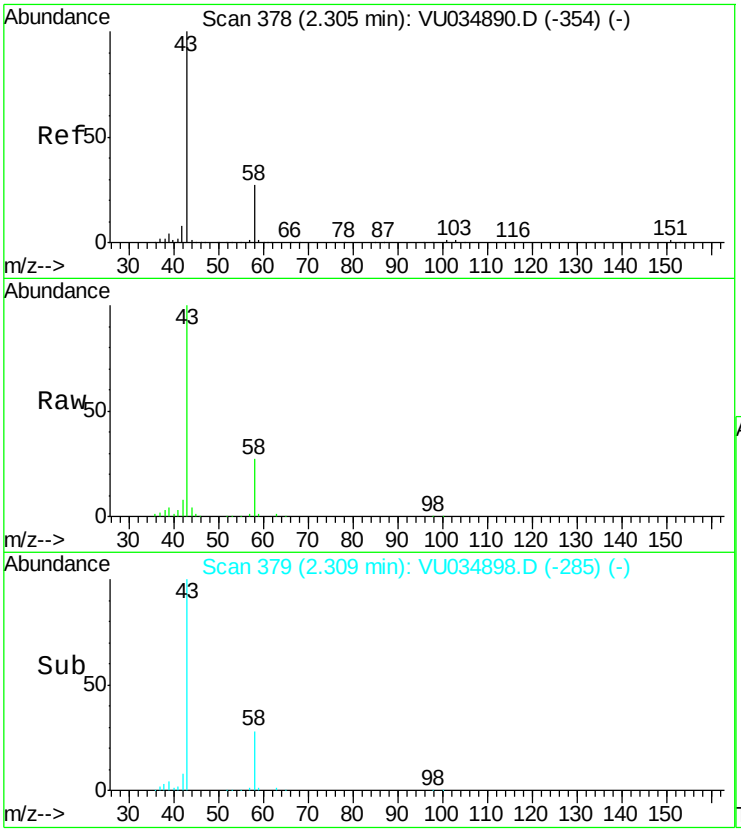
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 02 02:32:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDK9

Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

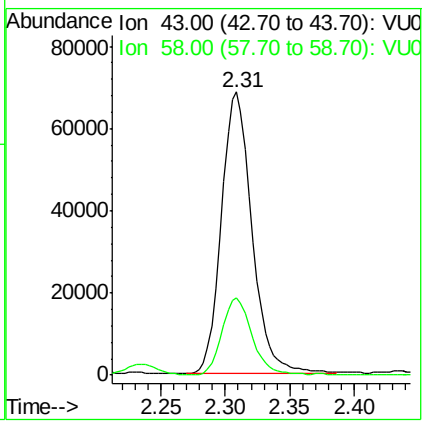




#13
Acetone
Concen: 59.126 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

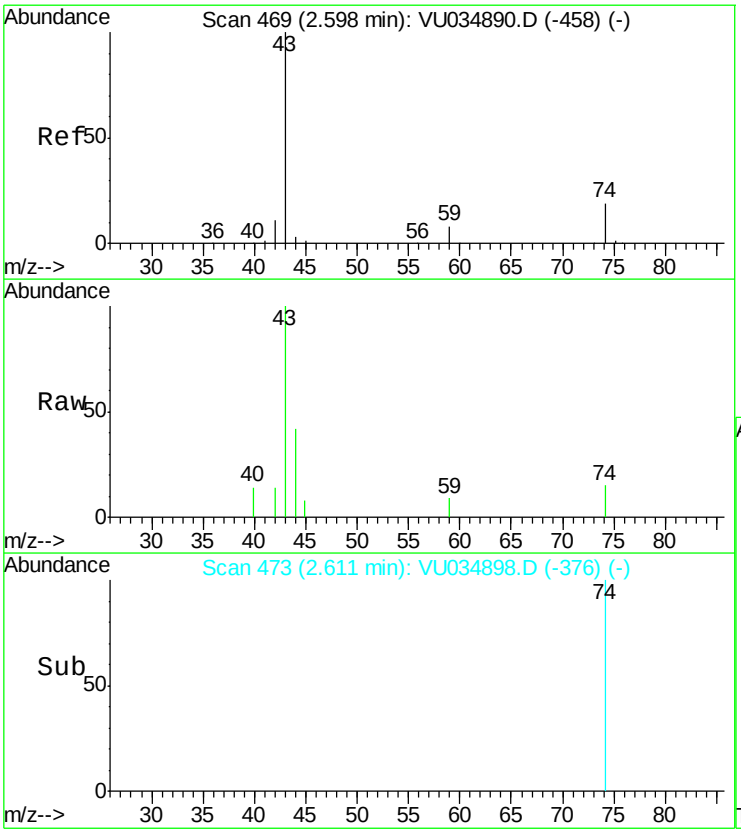
Tgt Ion: 43 Resp: 113092

Ion	Ratio	Lower	Upper
43	100		
58	27.2	0.0	52.6



Instrument :
MSVOA_U
ClientSampleId :
BFDK9

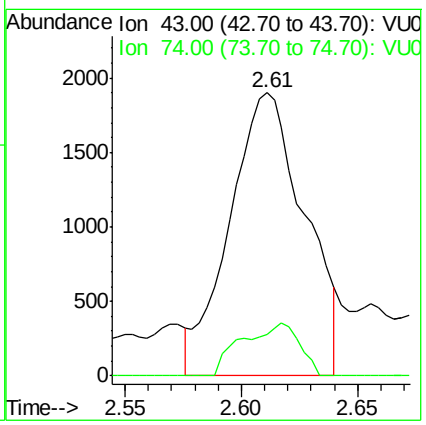
Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

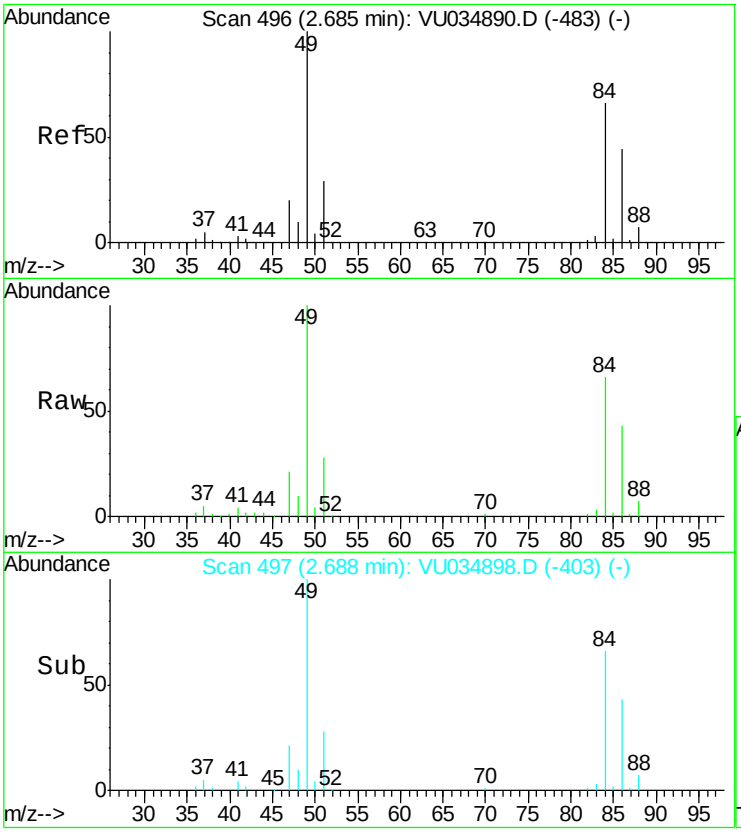


#15
Methyl Acetate
Concen: 1.401 ug/L m
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 43 Resp: 4279

Ion	Ratio	Lower	Upper
43	100		
74	5.0	15.3	22.9#

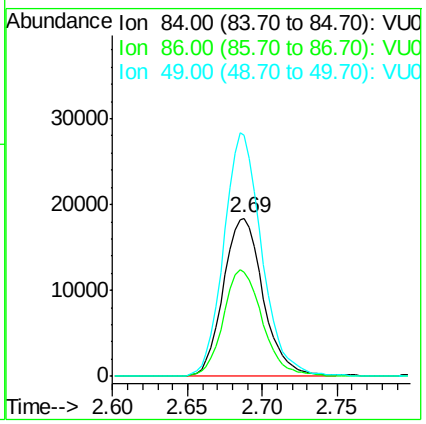




#16
Methylene chloride
Concen: 17.789 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

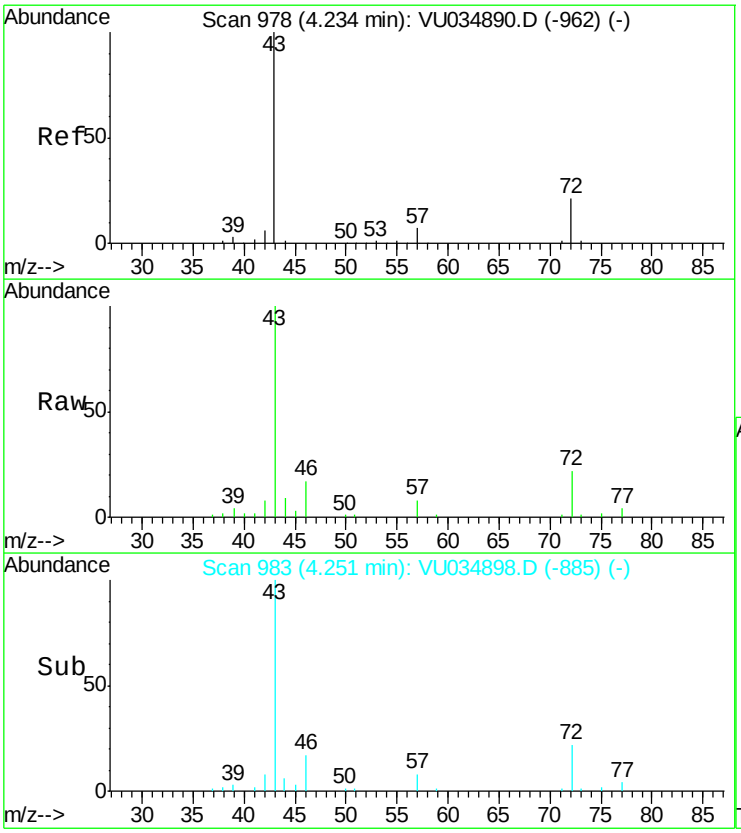
Tgt Ion: 84 Resp: 34292

Ion	Ratio	Lower	Upper
84	100		
86	65.7	44.7	82.9
49	152.4	100.7	186.9



Instrument :
MSVOA_U
ClientSampleId :
BFDK9

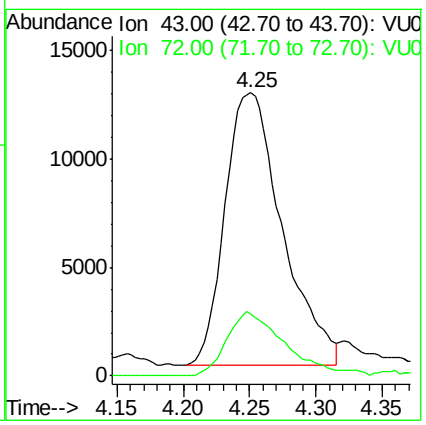
Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

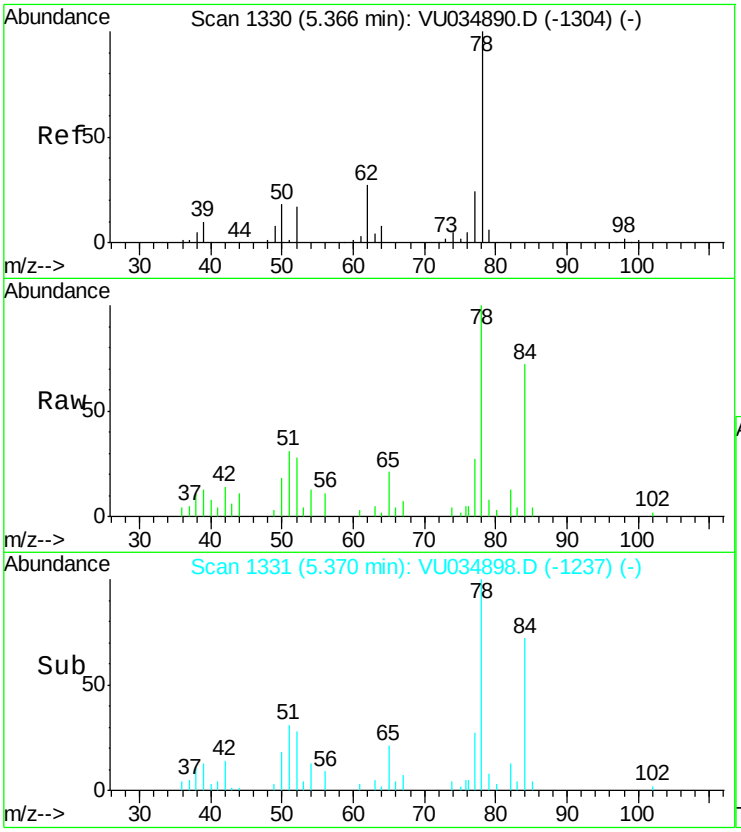


#22
2-Butanone
Concen: 15.164 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 43 Resp: 37673

Ion	Ratio	Lower	Upper
43	100		
72	23.4	11.2	33.6



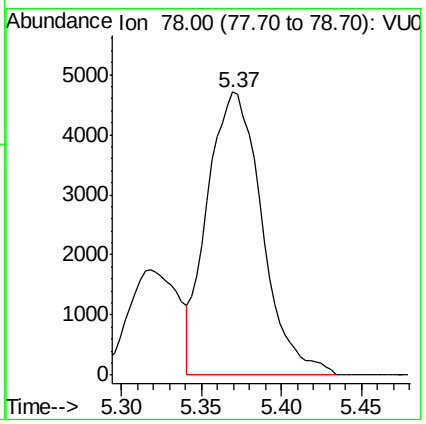


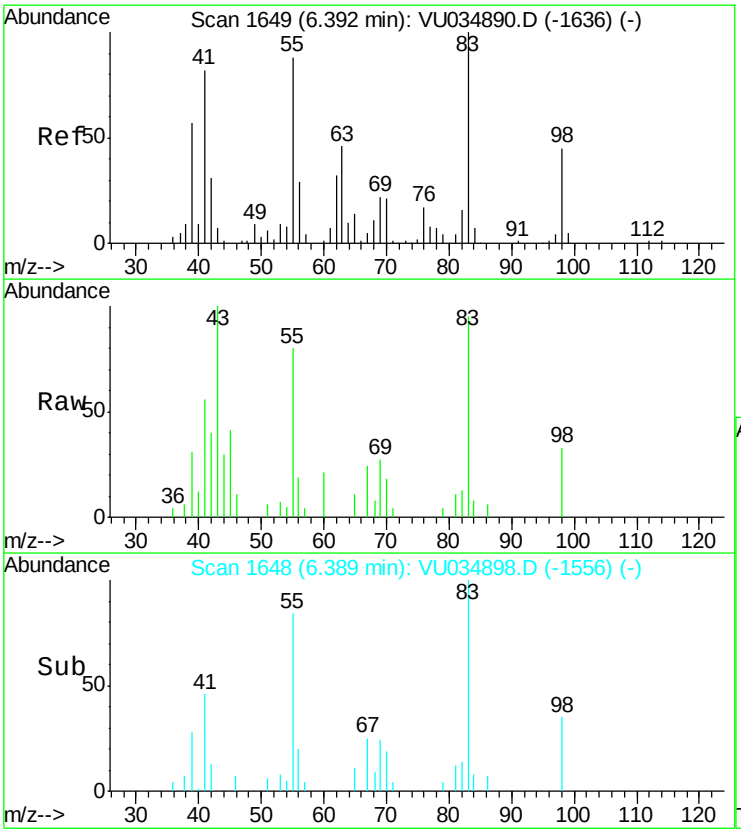
#33
Benzene
Concen: 1.545 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 78 Resp: 11075

Instrument :
MSVOA_U
ClientSampleId :
BFDK9

Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

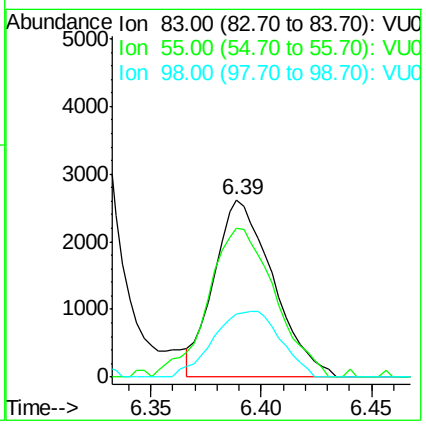


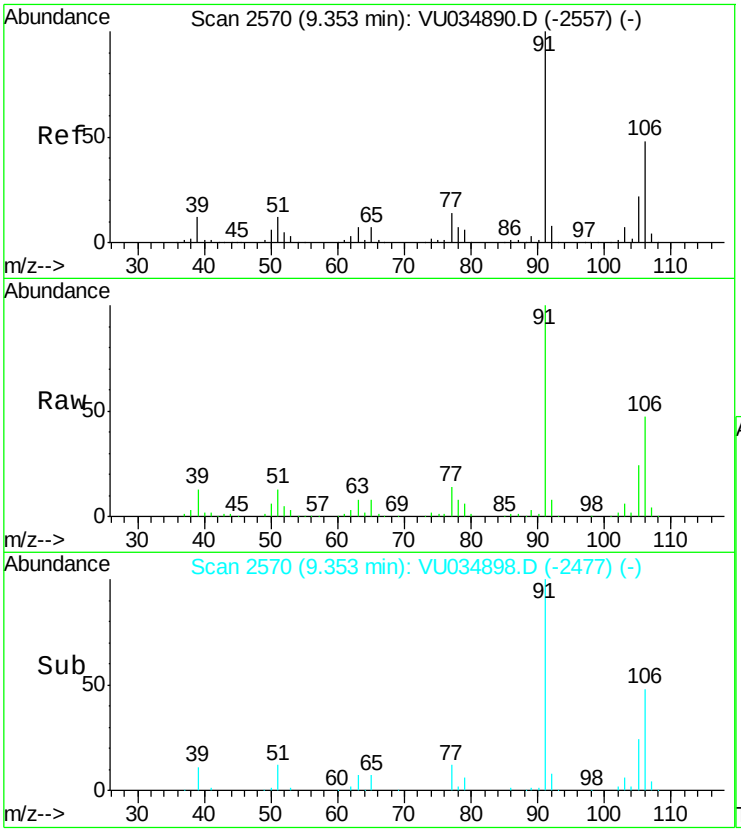


#35
Methylcyclohexane
Concen: 2.163 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 83 Resp: 4862

Ion	Ratio	Lower	Upper
83	100		
55	95.3	68.4	102.6
98	42.1	35.3	52.9

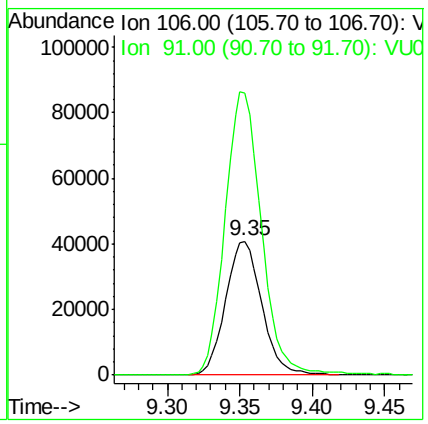




#53
m,p-Xylene
Concen: 22.370 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

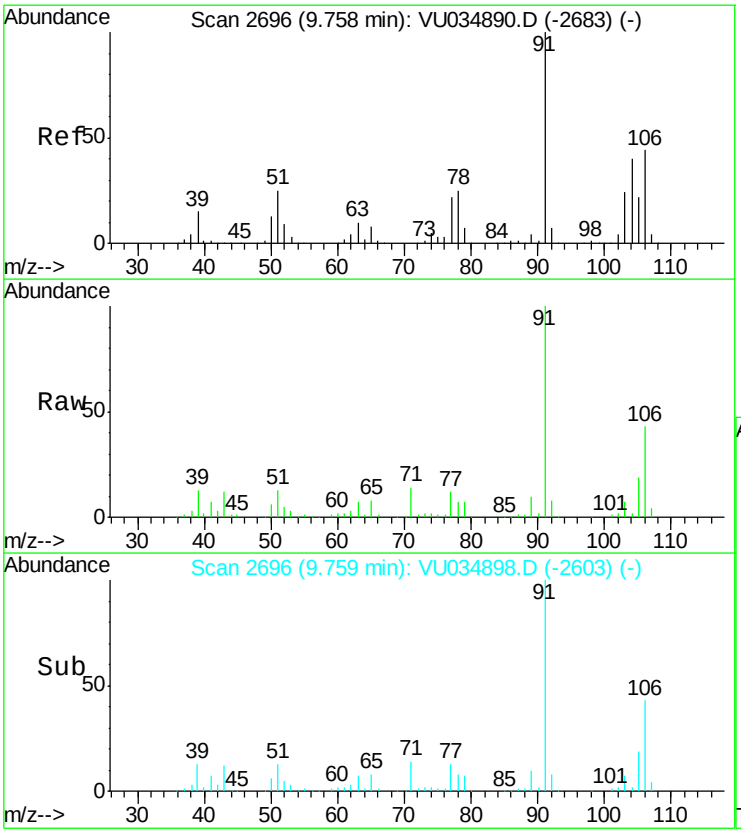
Tgt Ion:106 Resp: 70746

Ion	Ratio	Lower	Upper
106	100		
91	211.2	150.1	278.9



Instrument :
MSVOA_U
ClientSampleId :
BFDK9

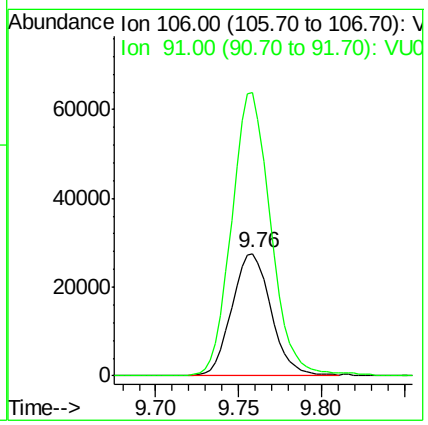
Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

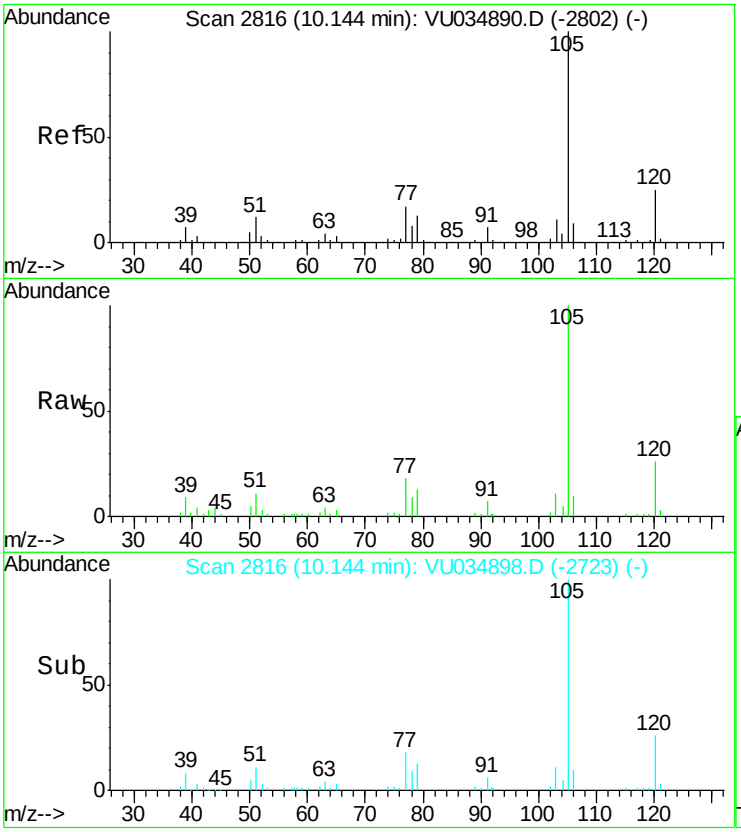


#54
o-xylene
Concen: 13.615 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion:106 Resp: 45410

Ion	Ratio	Lower	Upper
106	100		
91	231.2	157.8	293.0





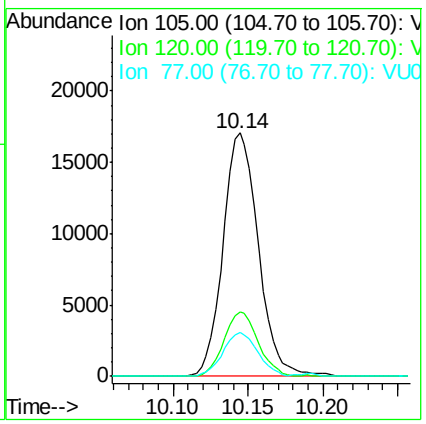
#56
Isopropylbenzene
Concen: 3.012 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

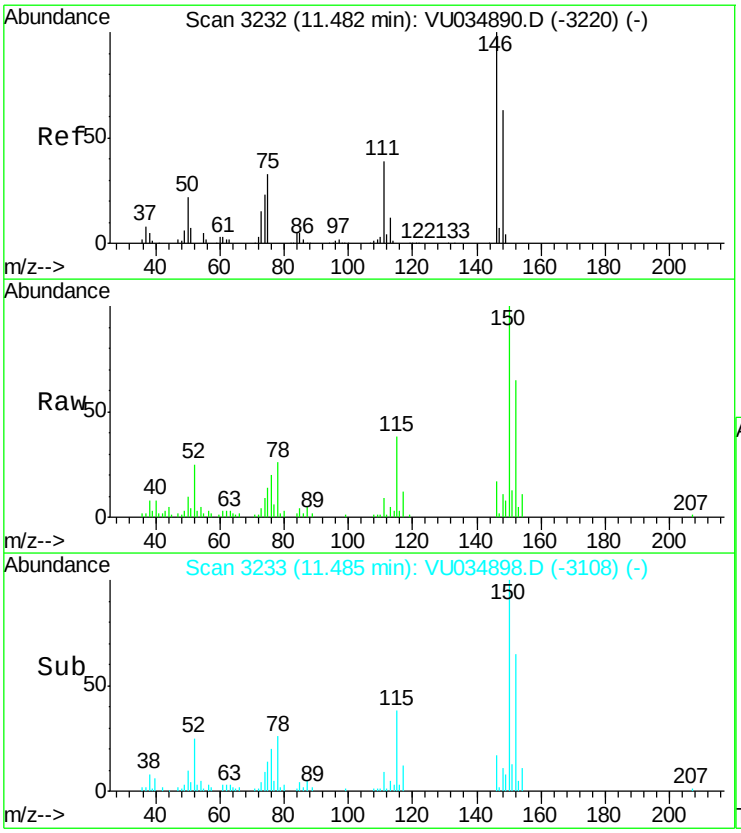
Tgt Ion:105 Resp: 28067

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.4
77	17.7	13.7	20.5

Instrument :
MSVOA_U
ClientSampleId :
BFDK9

Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM

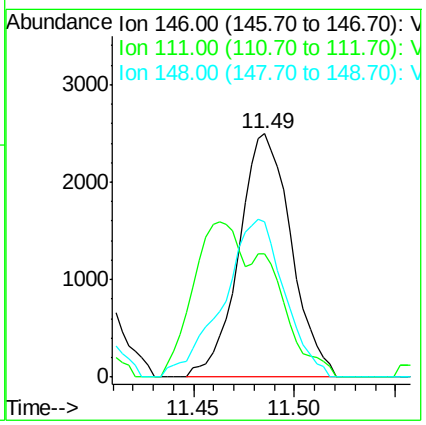


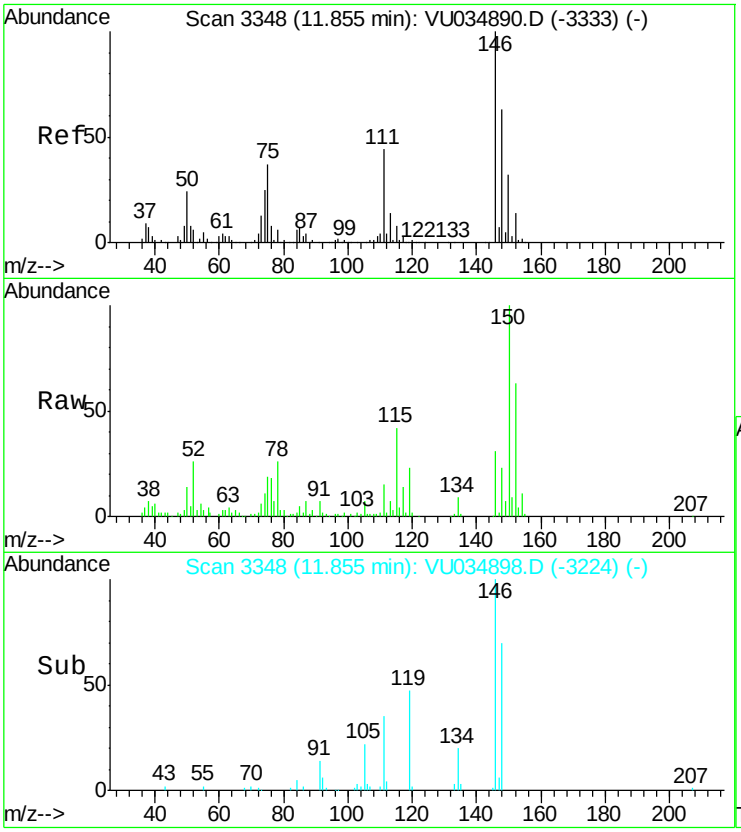


#63
1,4-Dichlorobenzene
Concen: 1.131 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion:146 Resp: 4519

Ion	Ratio	Lower	Upper
146	100		
111	50.6	29.2	54.2
148	63.5	46.1	85.5

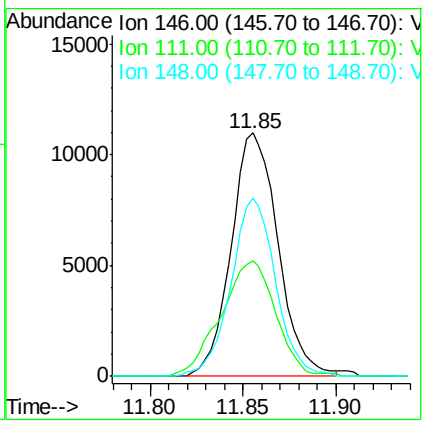




#65
1,2-Dichlorobenzene
Concen: 4.535 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion:146 Resp: 19340

Ion	Ratio	Lower	Upper
146	100		
111	47.6	34.9	52.3
148	73.5	50.0	75.0



Instrument :
MSVOA_U
ClientSampleId :
BFDK9

Manual Integrations APPROVED
MMDadoda
10/4/2019 12:13:55 PM