Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010437.D
Acq On : 23 Apr 2019 05:02
Operator : SY/MD
Sample : K2456-20MSD
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHN8MSD

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:42 AM

Quant Time: Apr 23 08:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 07:55:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	28199	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	30002	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	9202	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	3694	9.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 38.04%			
7) Chloroethane-d5	1.58	69	5263	17.42	ug/L	0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 69.68%			
10) 1,1-Dichloroethene-d2	2.13	63	8911	12.28	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 49.12%			
20) 2-Butanone-d5	3.95	46	5812m	63.98	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 127.96%			
24) Chloroform-d	4.40	84	16950	24.60	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.40%			
26) 1,2-Dichloroethane-d4	5.08	65	14396	34.05	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 136.20%#			
29) Benzene-d6	5.10	84	27860	20.11	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 80.44%			
33) 1,2-Dichloropropane-d6	6.12	67	10991	26.90	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 107.60%			
37) Toluene-d8	7.36	98	26998	18.92	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 75.68%			
38) trans-1,3-Dichloropropene-	7.67	79	3671	18.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 72.96%			
39) 2-Hexanone-d5	8.14	63	2062	25.41	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 50.82%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	12181	30.60	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 122.40%#			
61) 1,2-Dichlorobenzene-d4	11.68	152	9006	25.75	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.00%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.14	96	4771	13.436	ug/L	88
16) Methylene chloride	2.53	84	2107	5.095	ug/L	99
34) Benzene	5.15	78	33036	24.911	ug/L	100
35) Trichloroethene	5.96	95	8432	20.966	ug/L	96
44) Toluene	7.43	91	35070	21.883	ug/L	99
52) Chlorobenzene	8.93	112	27263	24.265	ug/L	98

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

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Instrument :
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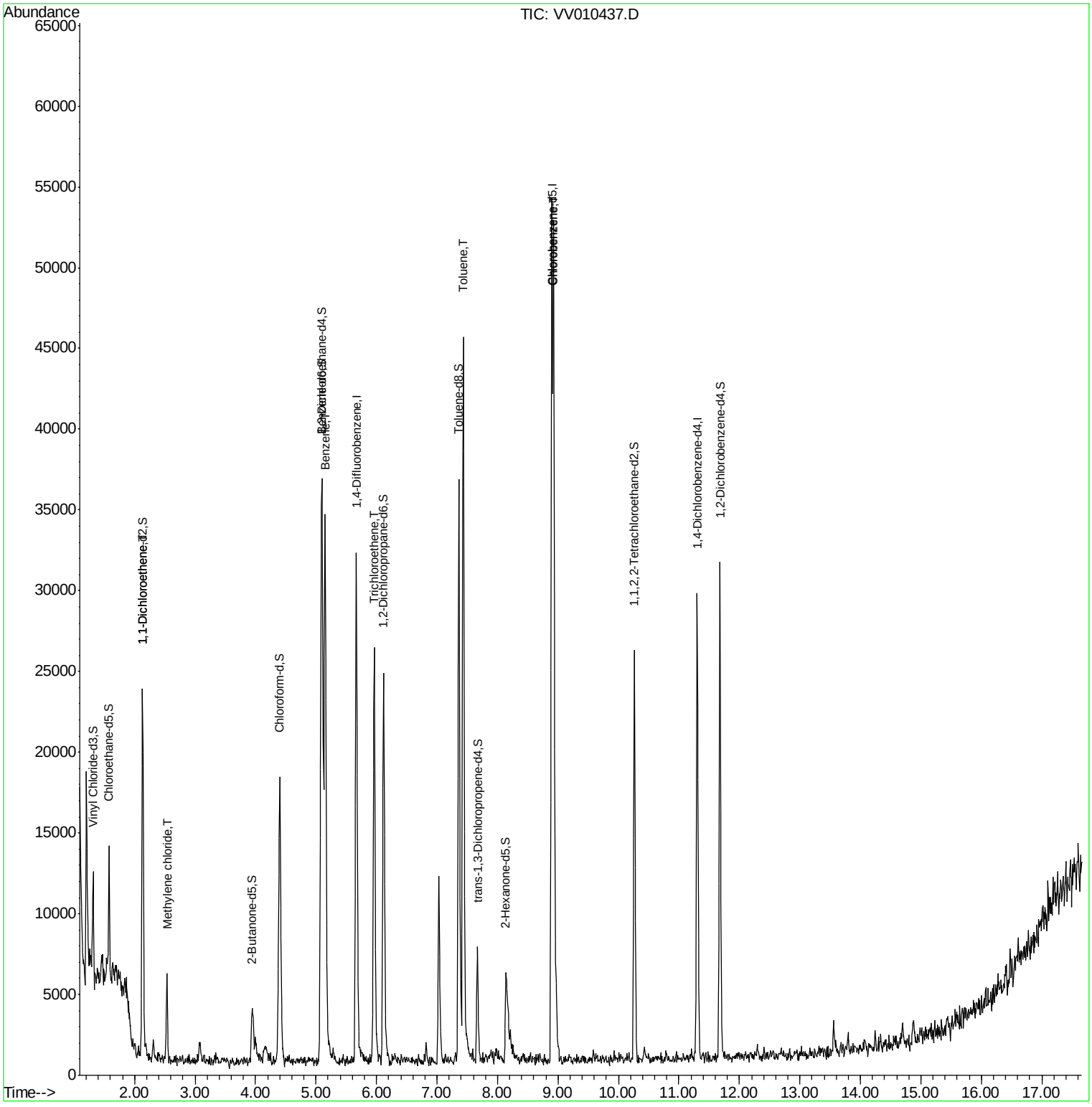
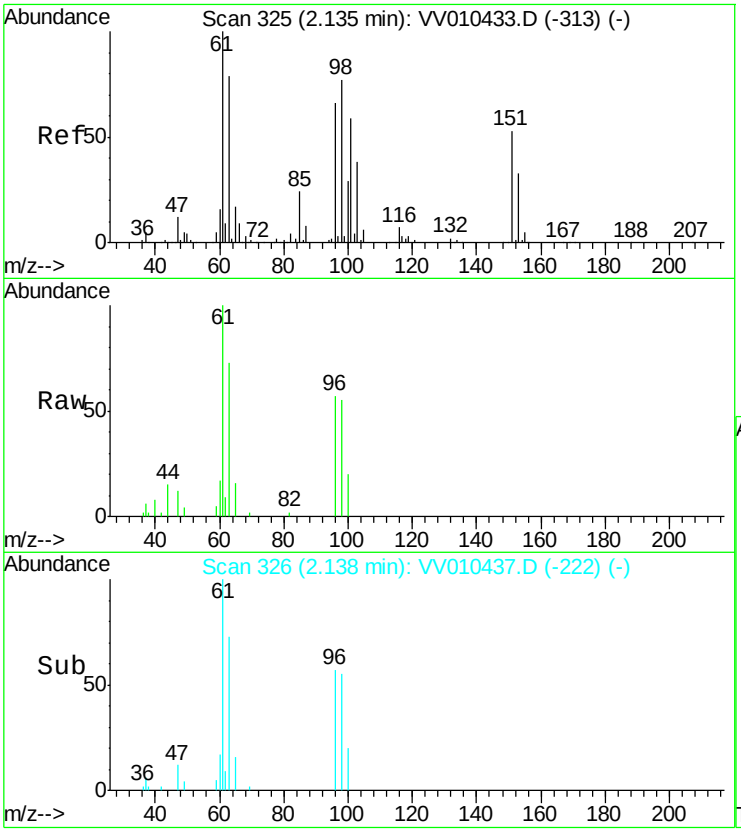
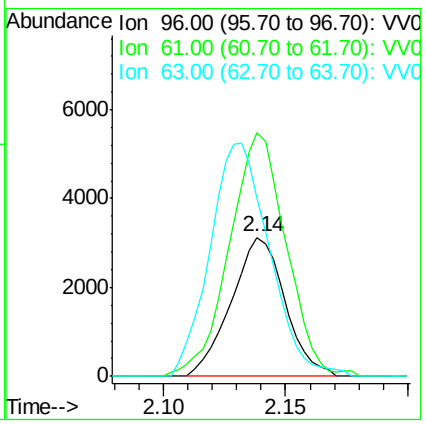




#12
1,1-Dichloroethene
Concen: 13.436 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV010437.D
Acq: 23 Apr 2019 05:02

Tgt Ion: 96 Resp: 4771

Ion	Ratio	Lower	Upper
96	100		
61	175.1	105.3	195.5
63	128.7	87.8	163.2



Instrument :
MSVOA_V
ClientSampleId :
GAHN8MSD

Manual Integrations APPROVED
MMDadoda
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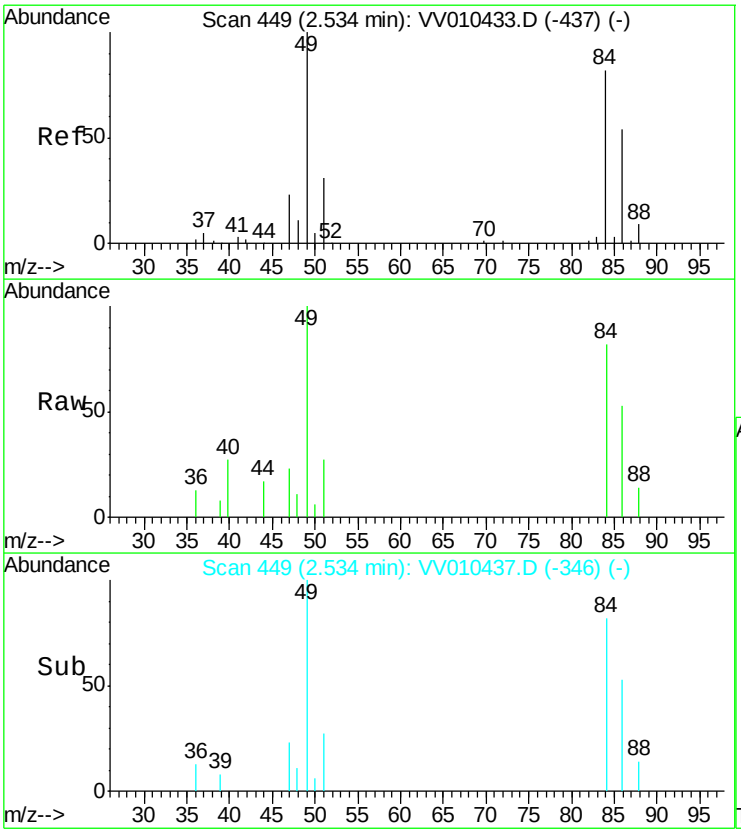
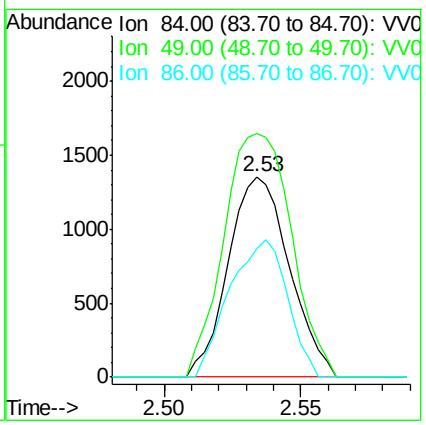
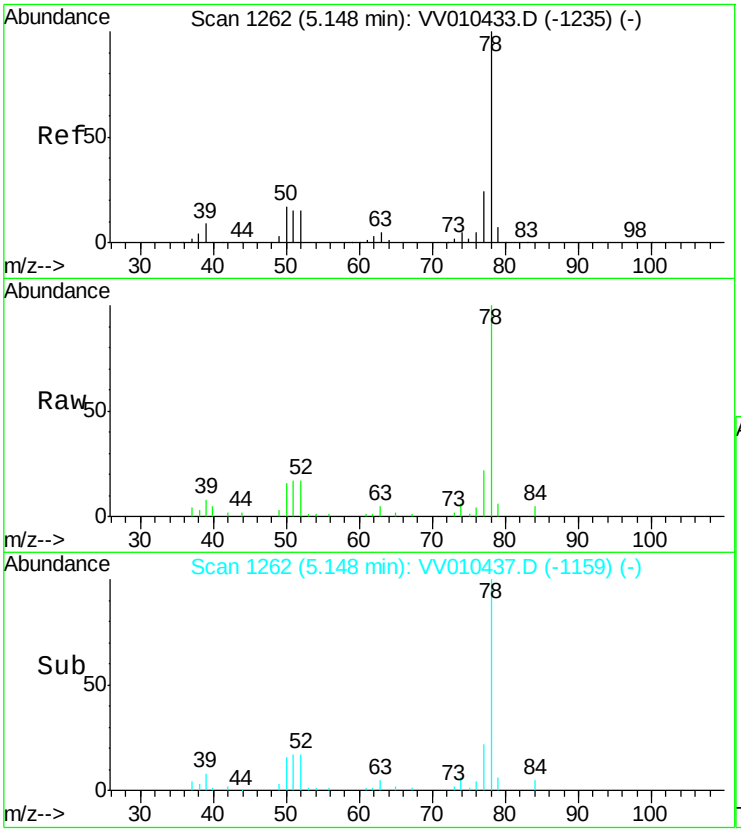


#16
Methylene chloride
Concen: 5.095 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010437.D
Acq: 23 Apr 2019 05:02

Tgt Ion: 84 Resp: 2107

Ion	Ratio	Lower	Upper
84	100		
49	121.3	85.0	158.0
86	63.7	43.9	81.5





#34
Benzene
Concen: 24.911 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV010437.D
Acq: 23 Apr 2019 05:02

Tgt Ion: 78 Resp: 33036

Instrument :
MSVOA_V
ClientSampleId :
GAHN8MSD

Manual Integrations APPROVED
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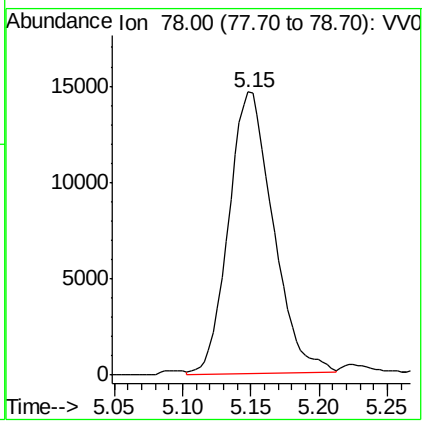
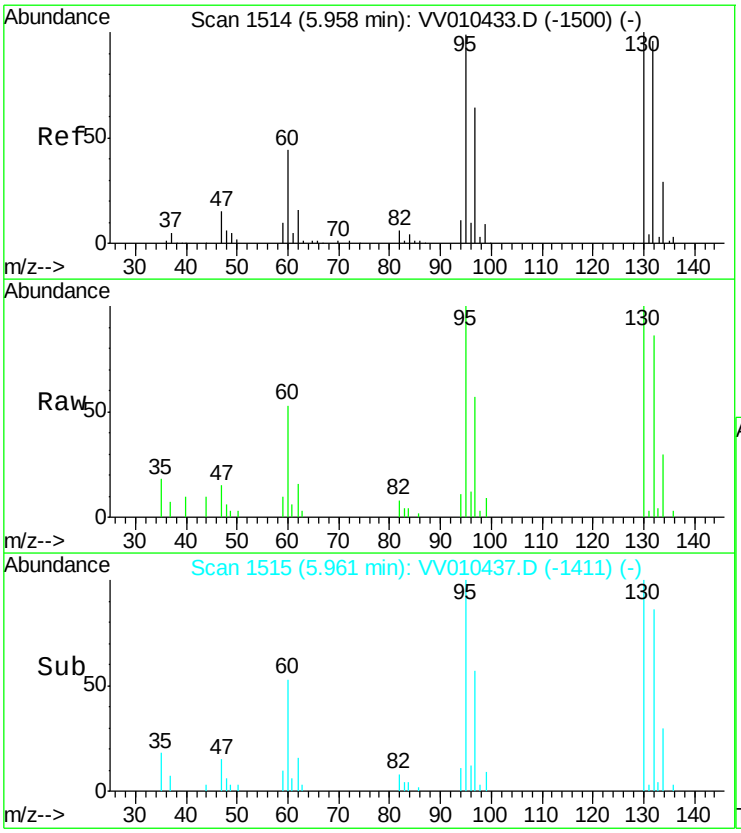
4/25/2019 9:20:42 AM

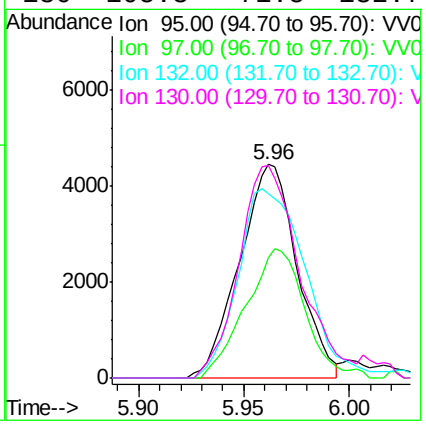


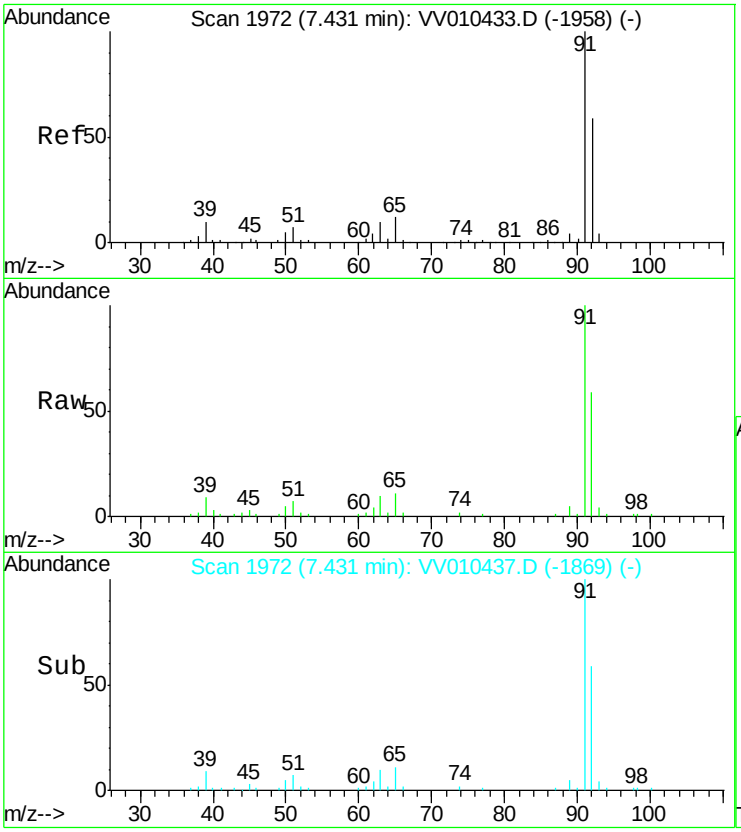


#35
Trichloroethene
Concen: 20.966 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV010437.D
Acq: 23 Apr 2019 05:02

Tgt Ion: 95 Resp: 8432

Ion	Ratio	Lower	Upper
95	100		
97	61.5	44.4	82.4
132	103.6	69.0	128.1
130	105.3	71.5	132.7

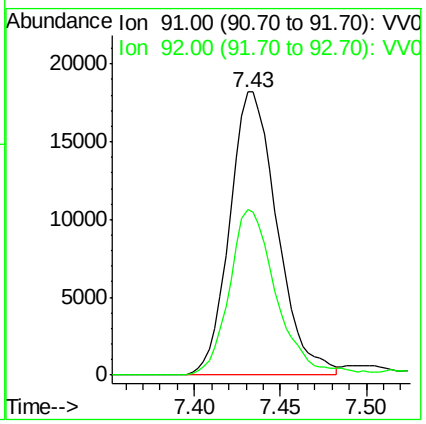




#44
Toluene
Concen: 21.883 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV010437.D
Acq: 23 Apr 2019 05:02

Tgt Ion: 91 Resp: 35070

Ion	Ratio	Lower	Upper
91	100		
92	58.7	40.5	75.1



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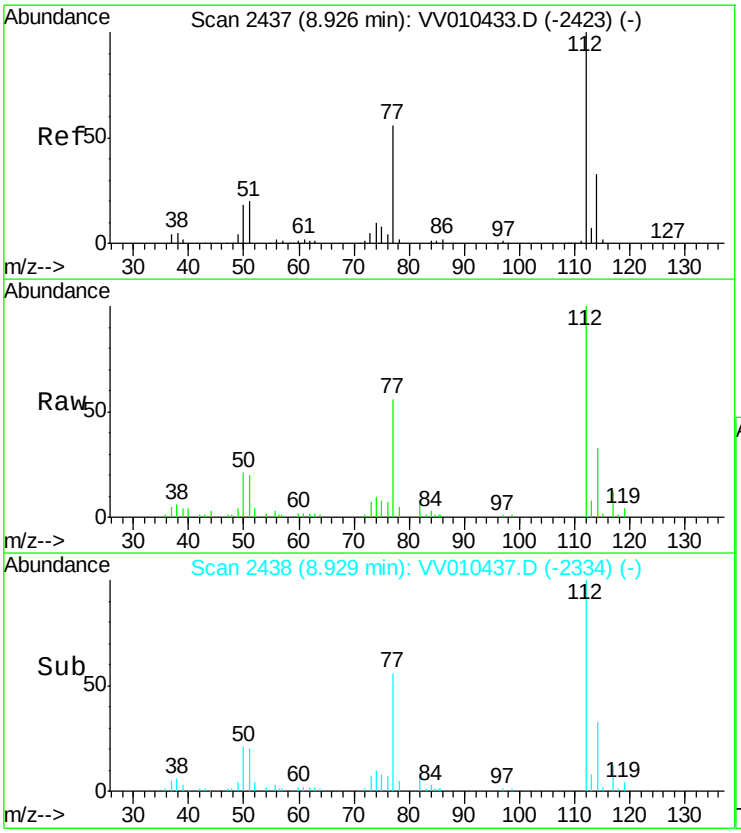

#52
Chlorobenzene
Concen: 24.265 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV010437.D
Acq: 23 Apr 2019 05:02

Tgt Ion:112 Resp: 27263

Ion	Ratio	Lower	Upper
112	100		
77	56.0	46.2	69.2
114	32.8	22.5	41.7