Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100919\
Data File : VV013074.D
Acq On : 09 Oct 2019 14:44
Operator : SY/MD
Sample : K5265-03MSD
Misc : 4.50G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBAR1MSD

Quant Time: Oct 10 08:35:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 07:47:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	210162	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169986	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	46491	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	60843	18.66	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.64%			
7) Chloroethane-d5	1.58	69	61766	23.43	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.72%			
10) 1,1-Dichloroethene-d2	2.13	63	123502	22.78	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 91.12%			
20) 2-Butanone-d5	3.95	46	41774	37.10	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.20%			
24) Chloroform-d	4.40	84	136380	23.62	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.48%			
26) 1,2-Dichloroethane-d4	5.08	65	75396	22.47	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.88%			
29) Benzene-d6	5.10	84	250694	26.41	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.64%			
33) 1,2-Dichloropropane-d6	6.12	67	84677	28.46	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 113.84%			
37) Toluene-d8	7.36	98	185687	21.55	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.20%			
38) trans-1,3-Dichloropropene-	7.66	79	25121	19.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 79.76%			
39) 2-Hexanone-d5	8.14	63	22025	36.79	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.58%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	63654	22.53	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.12%			
61) 1,2-Dichlorobenzene-d4	11.67	152	43689	24.19	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.76%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.14	96	71733	30.194	ug/L	87
13) Acetone	2.20	43	2890	2.415	ug/L	96
16) Methylene chloride	2.54	84	6364	2.026	ug/L	94
34) Benzene	5.15	78	326058	34.459	ug/L	100
35) Trichloroethene	5.96	95	76071	28.860	ug/L	99
44) Toluene	7.43	91	288737	28.933	ug/L	99
52) Chlorobenzene	8.92	112	169257	24.577	ug/L	98

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

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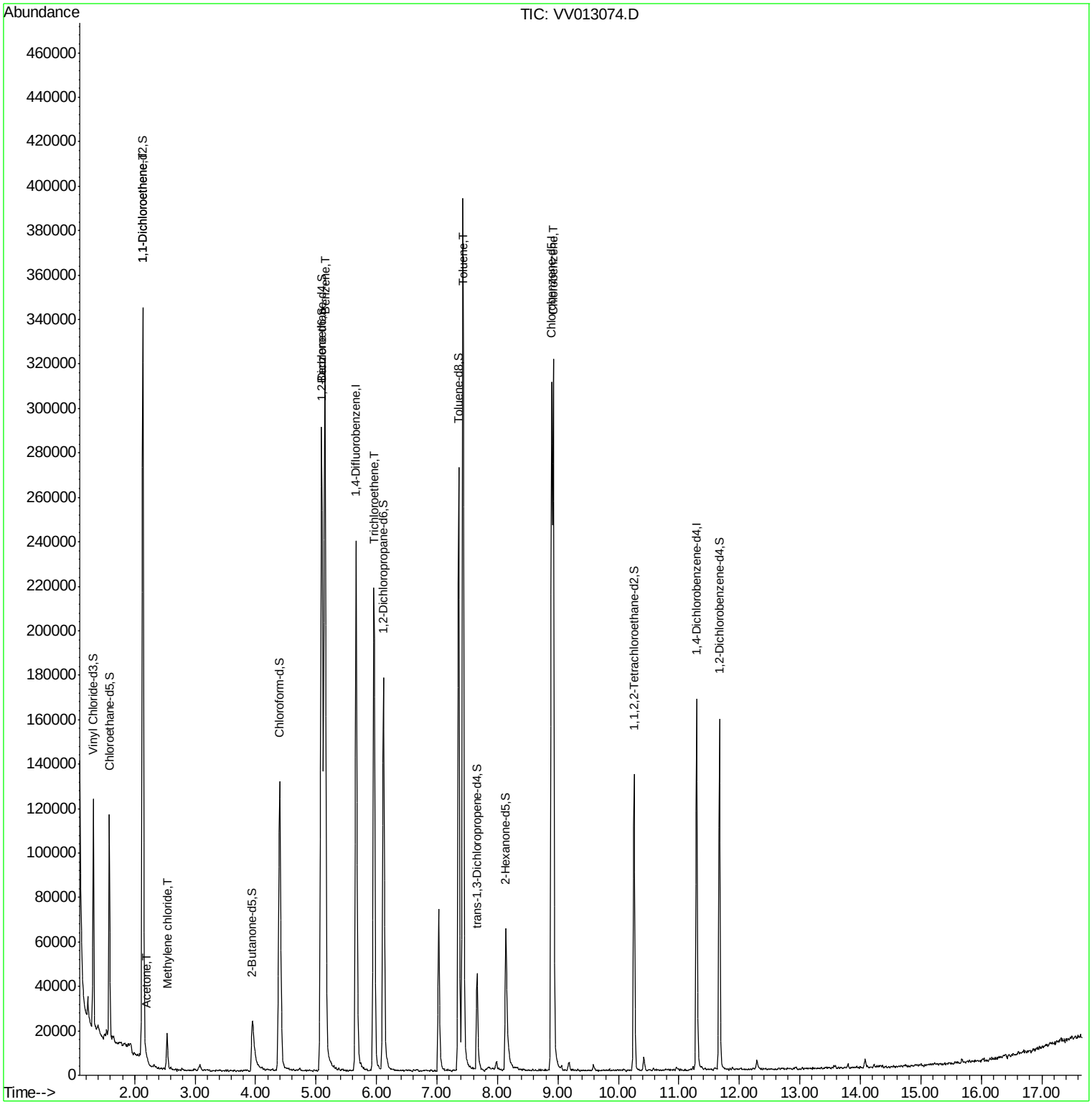
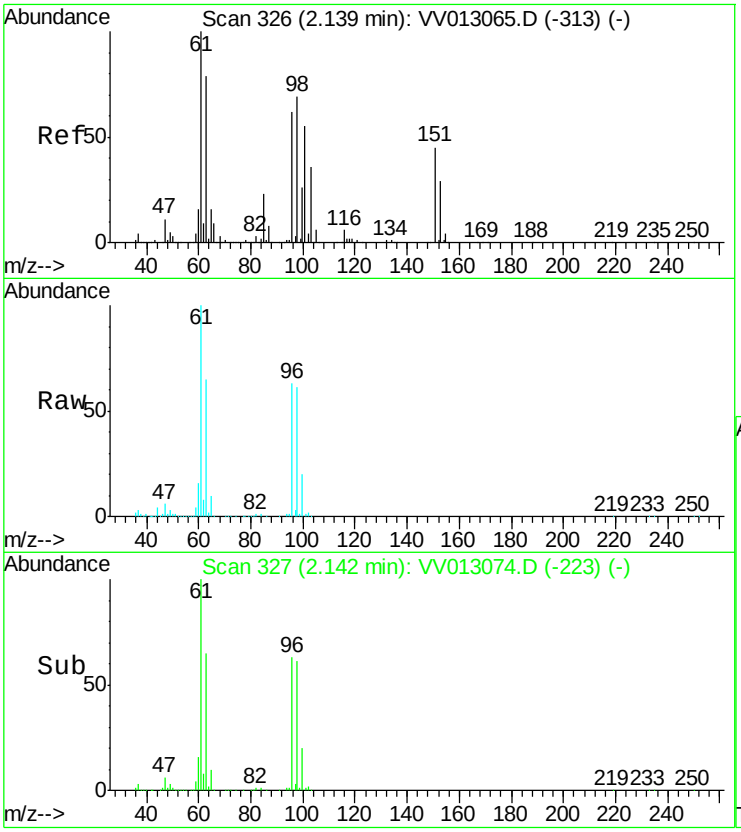


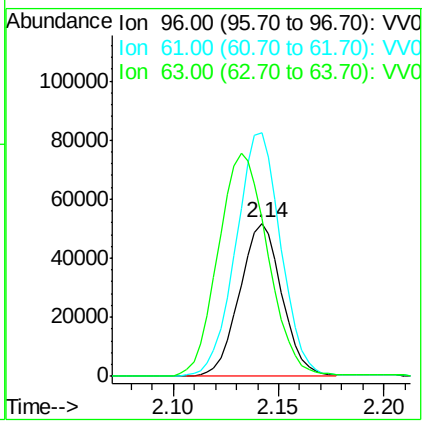


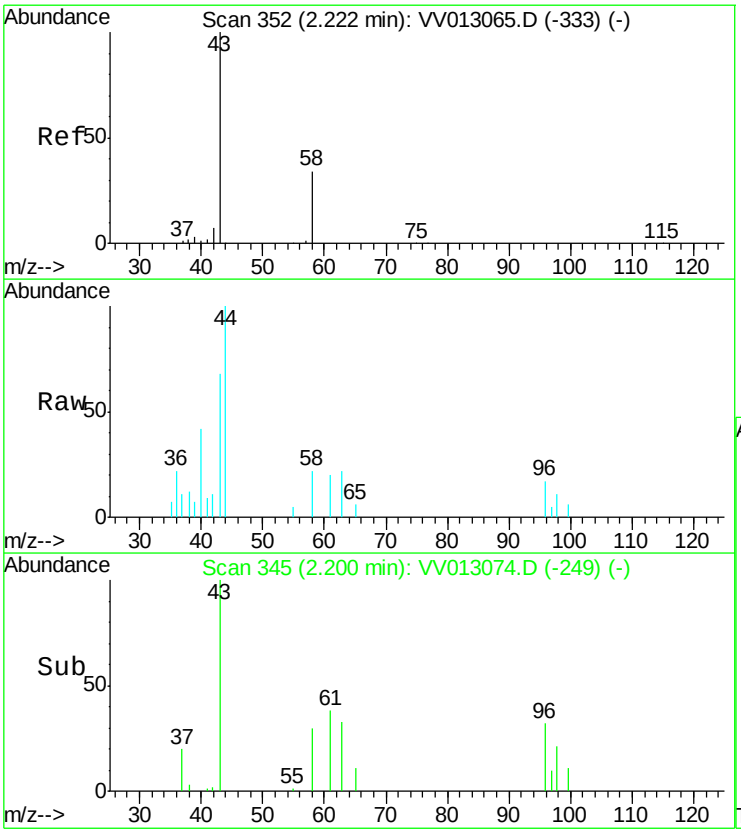
#12
1,1-Dichloroethene
Concen: 30.194 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
DBAR1MSD

Tgt Ion: 96 Resp: 71733

Ion	Ratio	Lower	Upper
96	100		
61	158.9	117.2	217.8
63	102.7	89.6	166.4

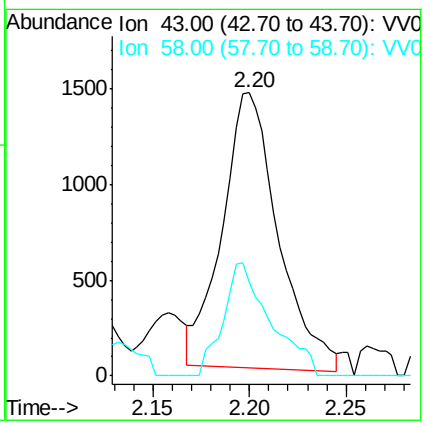


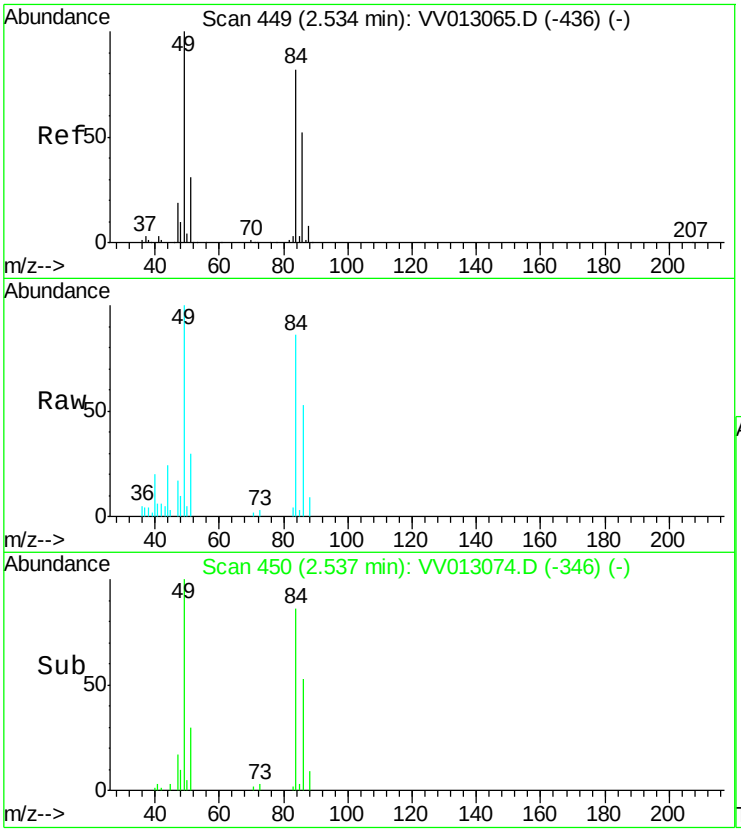


#13
Acetone
Concen: 2.415 ug/L
RT: 2.20 min Scan# 345
Delta R.T. -0.02 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Tgt Ion: 43 Resp: 2890

Ion	Ratio	Lower	Upper
43	100		
58	34.8	0.0	65.0



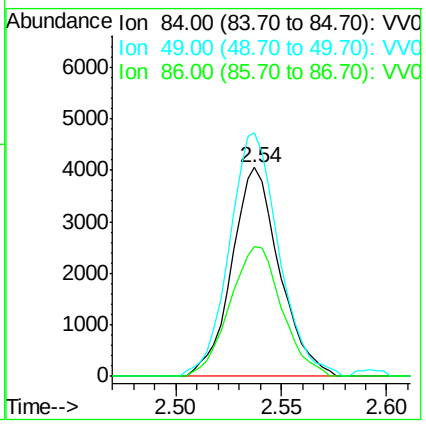


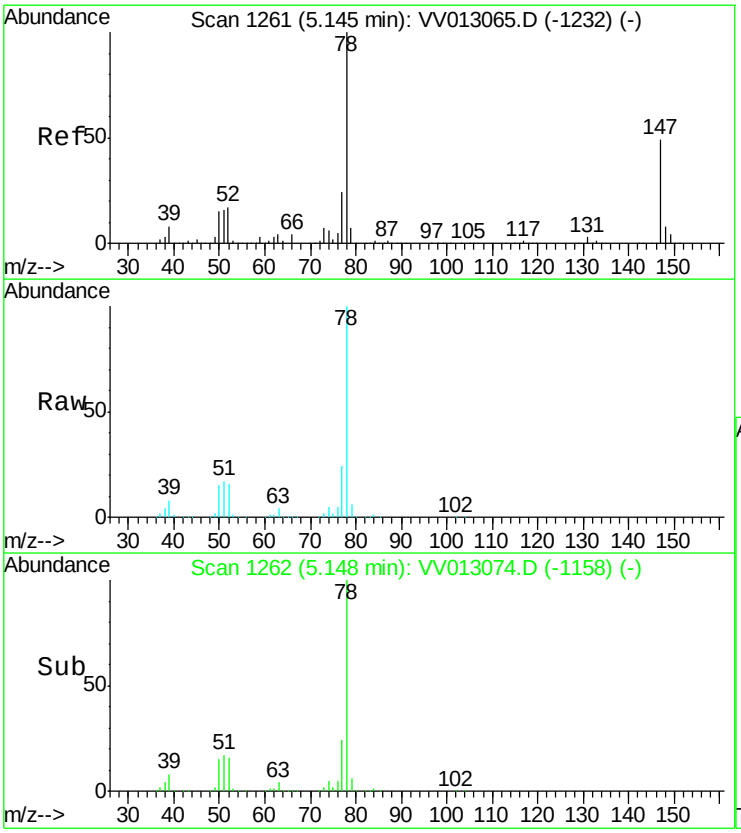
#16
Methylene chloride
Concen: 2.026 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
DBAR1MSD

Tgt Ion: 84 Resp: 6364

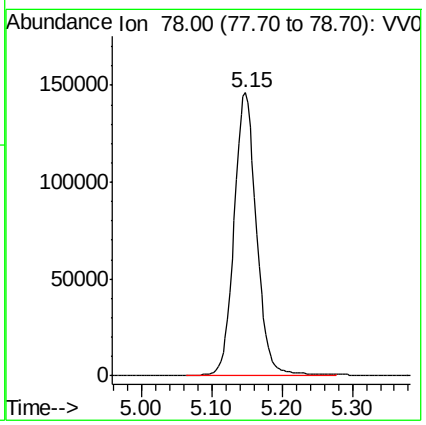
Ion	Ratio	Lower	Upper
84	100		
49	116.6	88.3	164.1
86	61.9	44.9	83.3

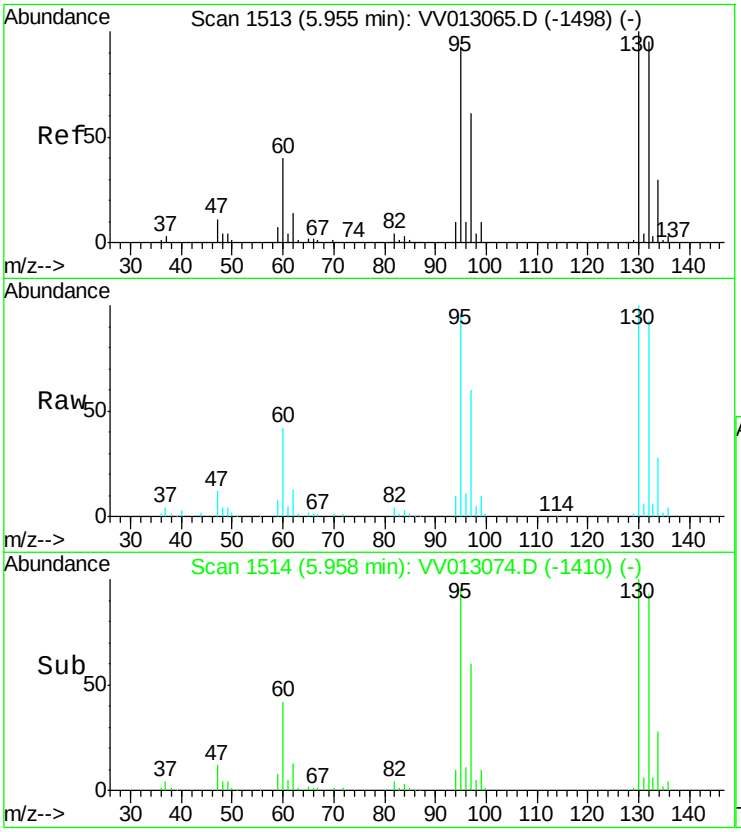




#34
Benzene
Concen: 34.459 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Tgt Ion: 78 Resp: 326058



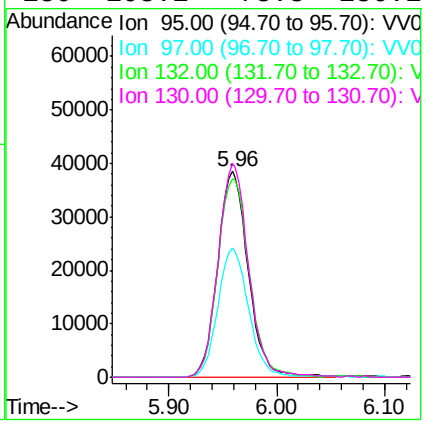


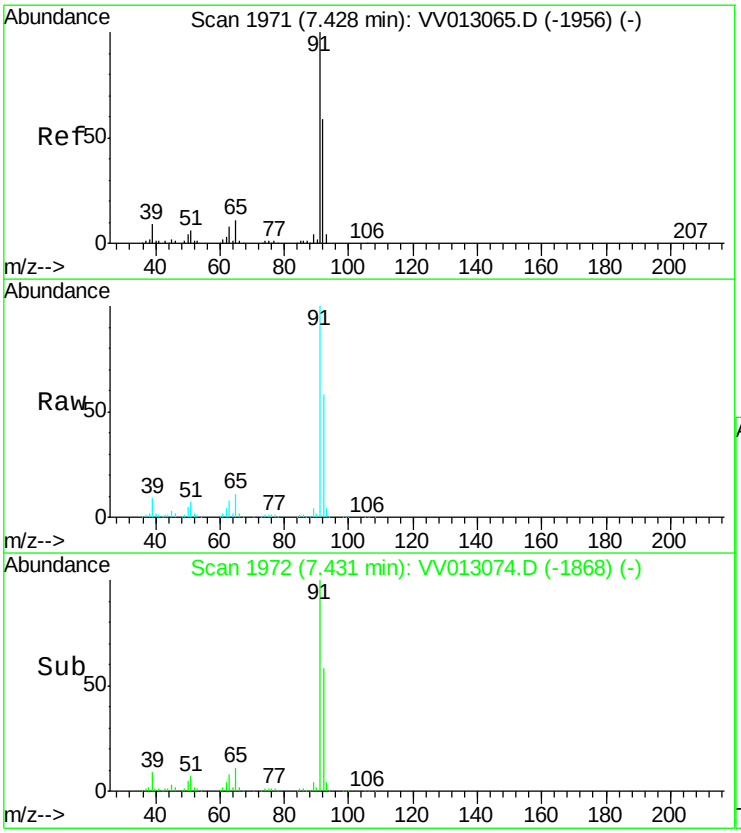
#35
Trichloroethene
Concen: 28.860 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
DBAR1MSD

Tgt Ion: 95 Resp: 76071

Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.7	82.9
132	99.5	70.1	130.1
130	103.1	73.3	136.1

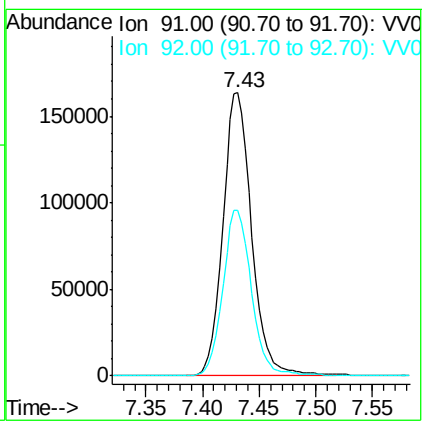


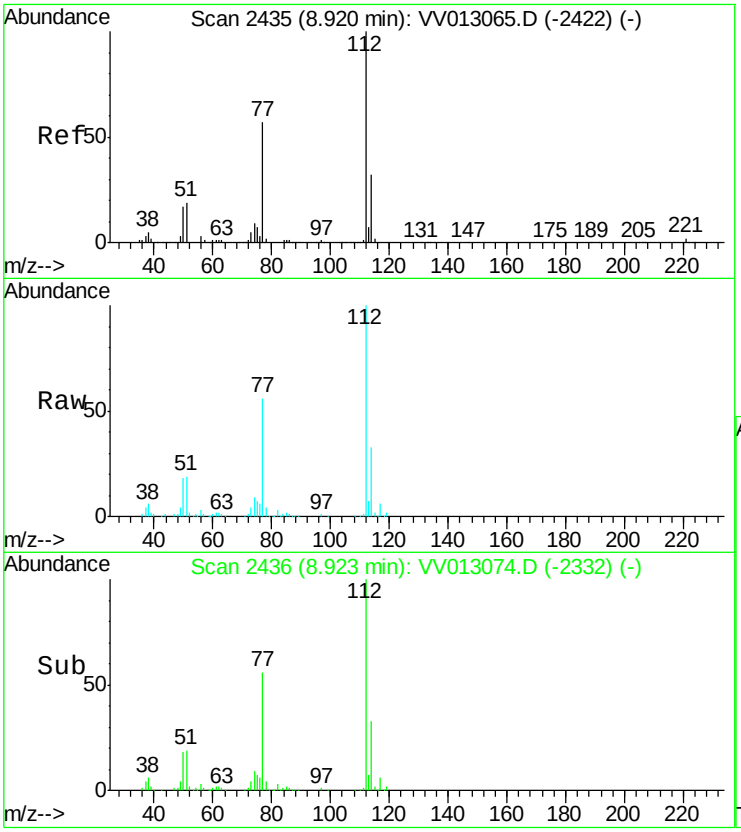


#44
Toluene
Concen: 28.933 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Tgt Ion: 91 Resp: 288737

Ion	Ratio	Lower	Upper
91	100		
92	58.4	41.3	76.7





#52
Chlorobenzene
Concen: 24.577 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013074.D
Acq: 09 Oct 2019 14:44

Instrument :
MSVOA_V
ClientSampleId :
DBAR1MSD

Tgt Ion:112 Resp: 169257

Ion	Ratio	Lower	Upper
112	100		
77	56.4	46.3	69.5
114	33.5	22.5	41.7