Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040619\
Data File : VV010162.D
Acq On : 06 Apr 2019 19:05
Operator : SY/MD
Sample : K2188-10RE
Misc : 5.37G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF654RE

Quant Time: Apr 07 03:04:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Sun Apr 07 00:49:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	228887	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165328	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43469	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	51351	16.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 67.04%			
7) Chloroethane-d5	1.57	69	56273	14.79	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 59.16%			
10) 1,1-Dichloroethene-d2	2.13	63	114907	14.87	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 59.48%			
20) 2-Butanone-d5	3.94	46	47969	55.01	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 110.02%			
24) Chloroform-d	4.40	84	136533	23.68	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.72%			
26) 1,2-Dichloroethane-d4	5.08	65	84571	26.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.84%			
29) Benzene-d6	5.10	84	265278	30.94	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 123.76%			
33) 1,2-Dichloropropane-d6	6.12	67	84315	33.32	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 133.28%#			
37) Toluene-d8	7.36	98	212250	25.69	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.76%			
38) trans-1,3-Dichloropropene-	7.66	79	28297	26.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 104.64%			
39) 2-Hexanone-d5	8.13	63	35665	70.28	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 140.56%#			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	53779	21.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 86.20%			
61) 1,2-Dichlorobenzene-d4	11.67	152	37456	22.12	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.48%			
Target Compounds						Qvalue
13) Acetone	2.19	43	23911	27.736	ug/L	100
14) Carbon disulfide	2.32	76	26791	4.125	ug/L	98
16) Methylene chloride	2.54	84	17185	4.273	ug/L	84
21) 2-Butanone	4.04	43	4725	5.005	ug/L	91
30) Cyclohexane	4.72	56	6723	2.253	ug/L	90
36) Methylcyclohexane	6.17	83	26670	7.650	ug/L	93
44) Toluene	7.43	91	21329	2.351	ug/L	95
53) Ethylbenzene	9.06	91	83891	8.431	ug/L	99
54) m,p-Xylene	9.18	106	112513	29.053	ug/L	97
55) o-xylene	9.59	106	62053	16.539	ug/L	96
57) Isopropylbenzene	9.97	105	51771	5.232	ug/L	99

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

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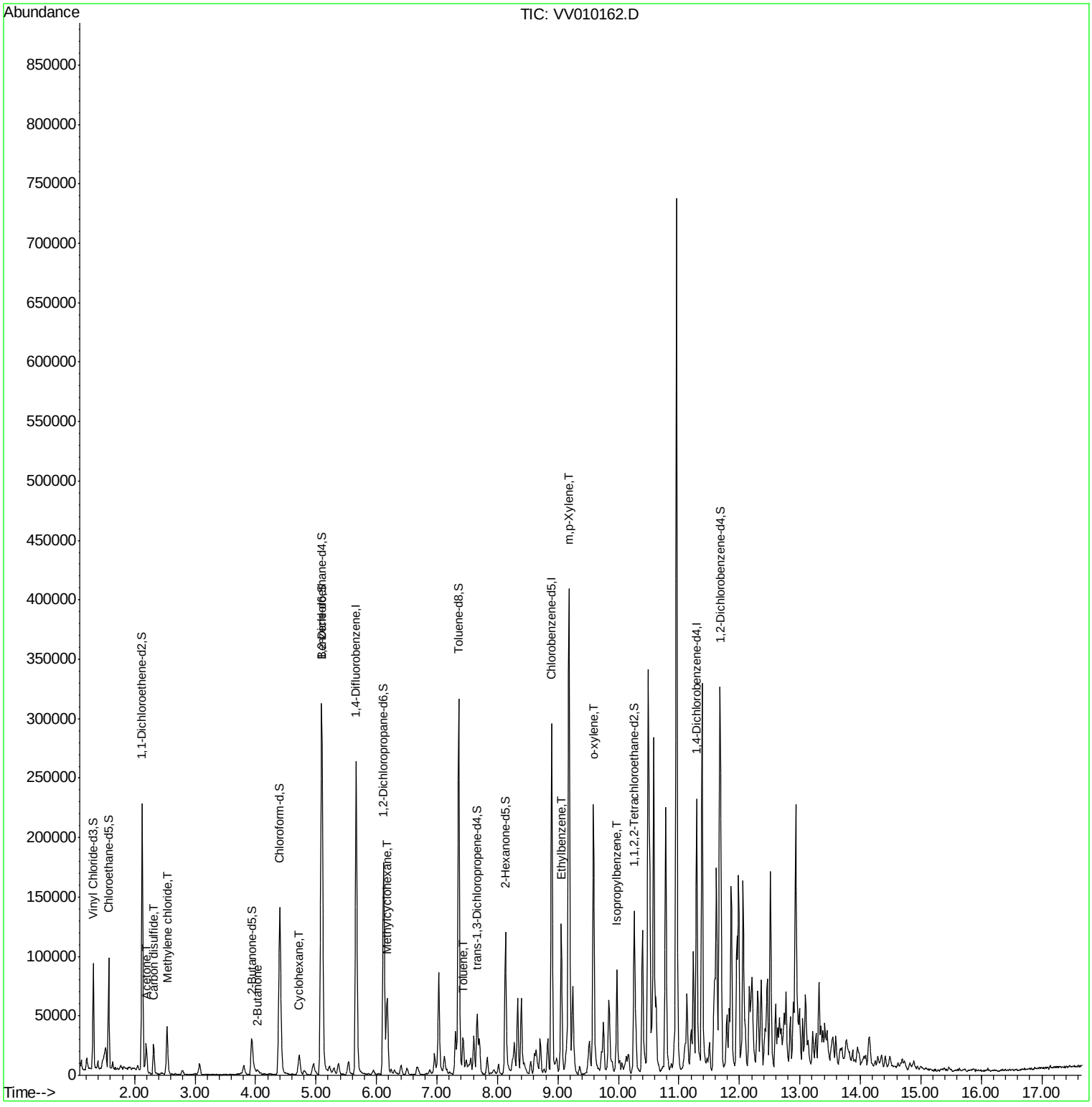
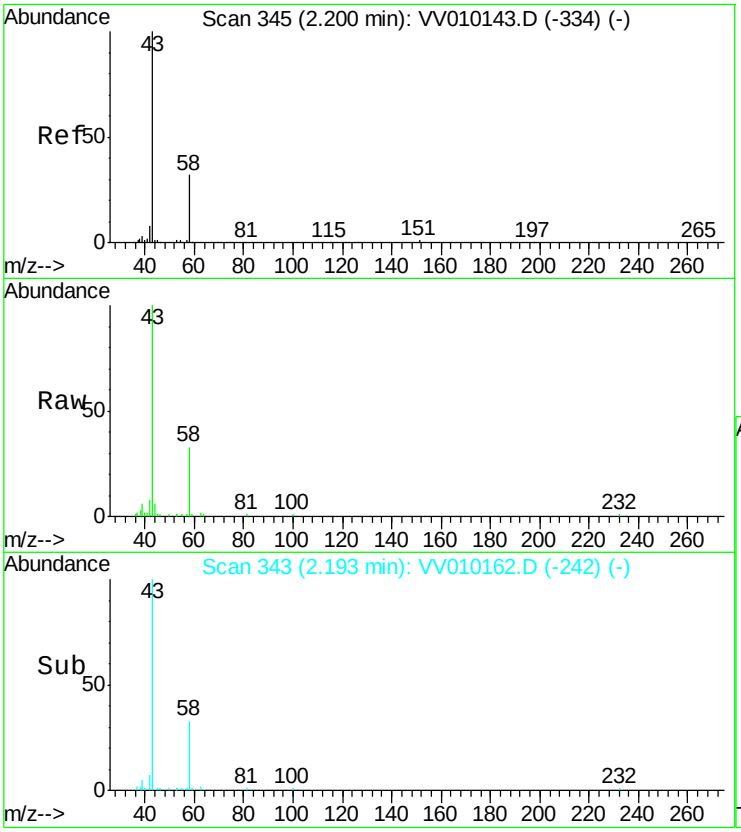


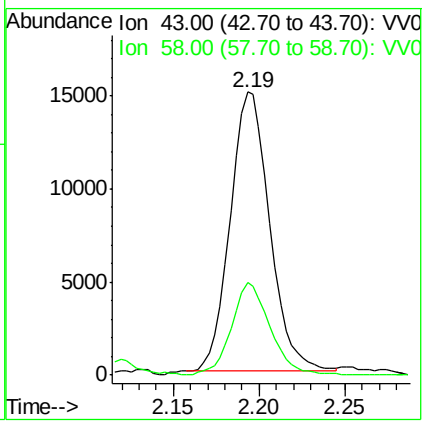


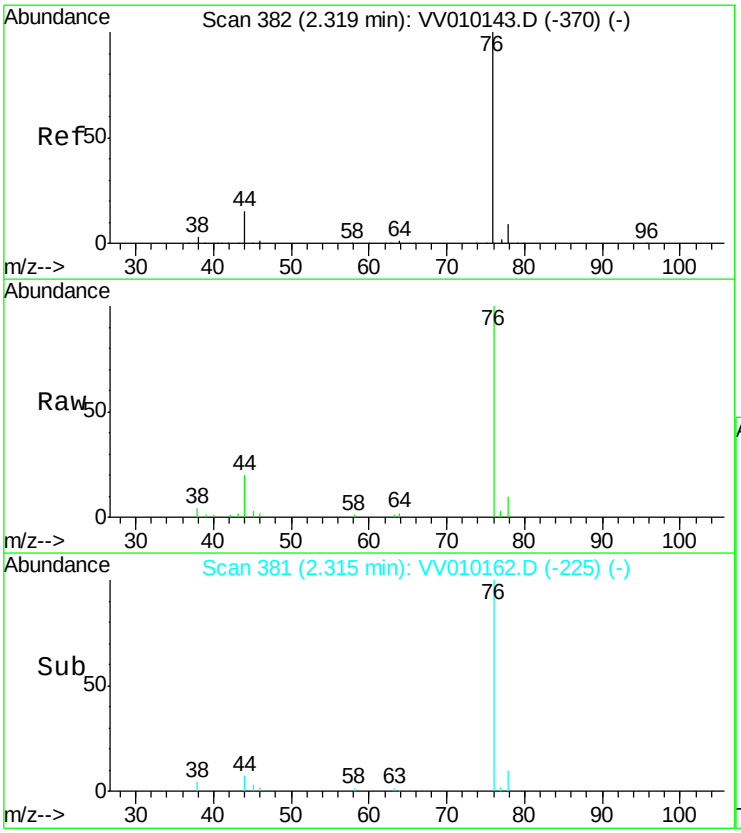
#13
Acetone
Concen: 27.736 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.01 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Instrument : MSVOA_V
ClientSampleId : BF654RE

Tgt Ion: 43 Resp: 23911

Ion	Ratio	Lower	Upper
43	100		
58	32.2	0.0	64.6

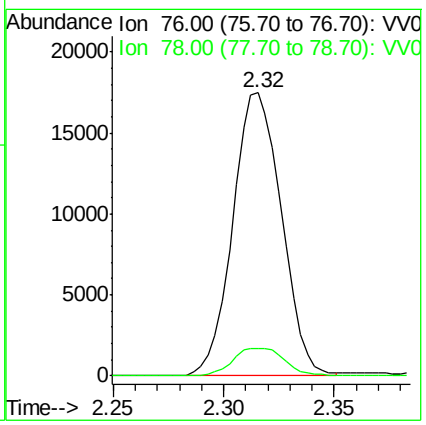


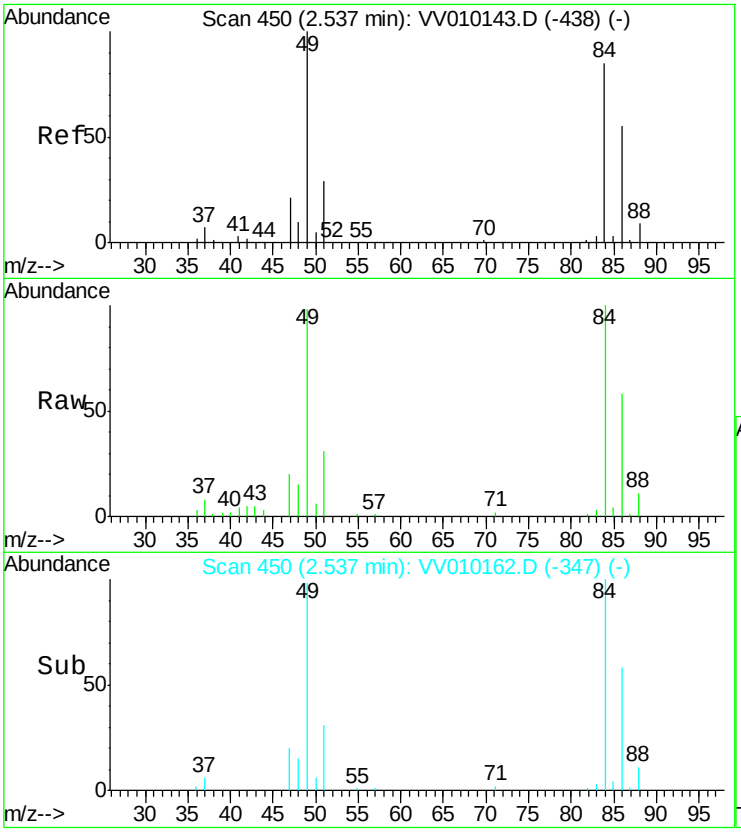


#14
Carbon disulfide
Concen: 4.125 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Tgt Ion: 76 Resp: 26791

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7



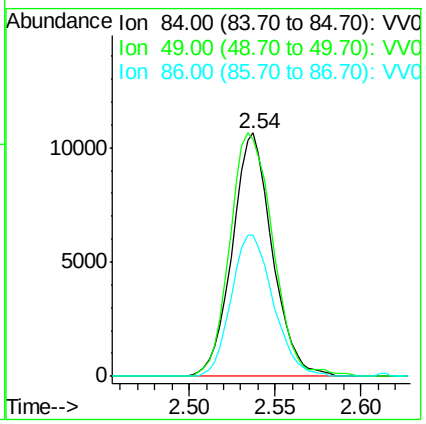


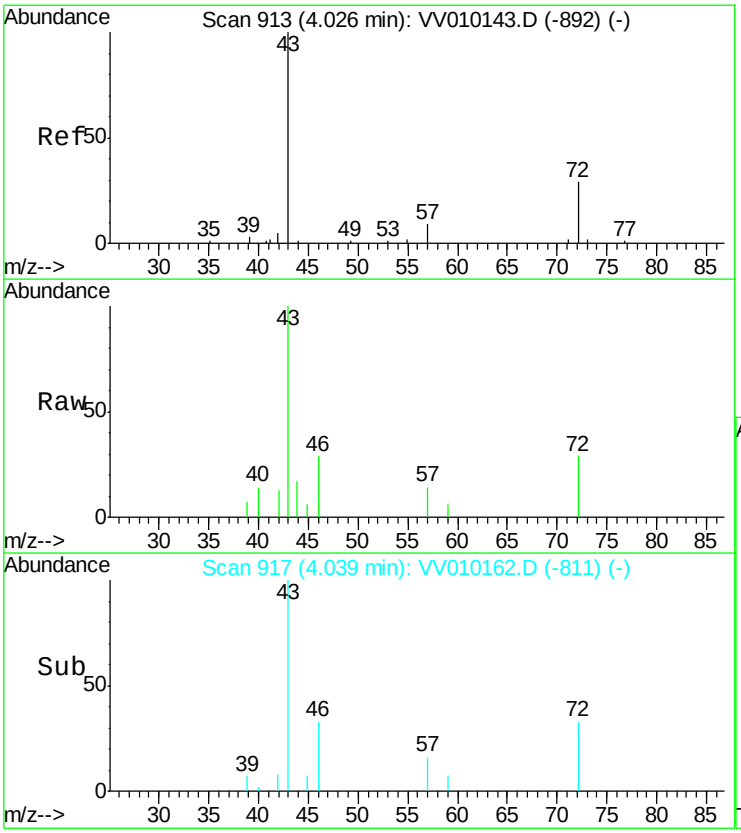
#16
Methylene chloride
Concen: 4.273 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Instrument : MSVOA_V
ClientSampleId : BF654RE

Tgt Ion: 84 Resp: 17185

Ion	Ratio	Lower	Upper
84	100		
49	97.6	84.3	156.5
86	58.3	45.4	84.2

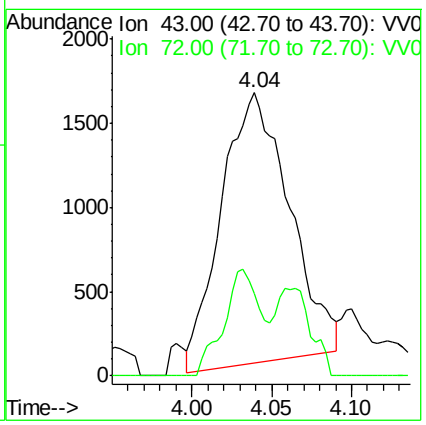


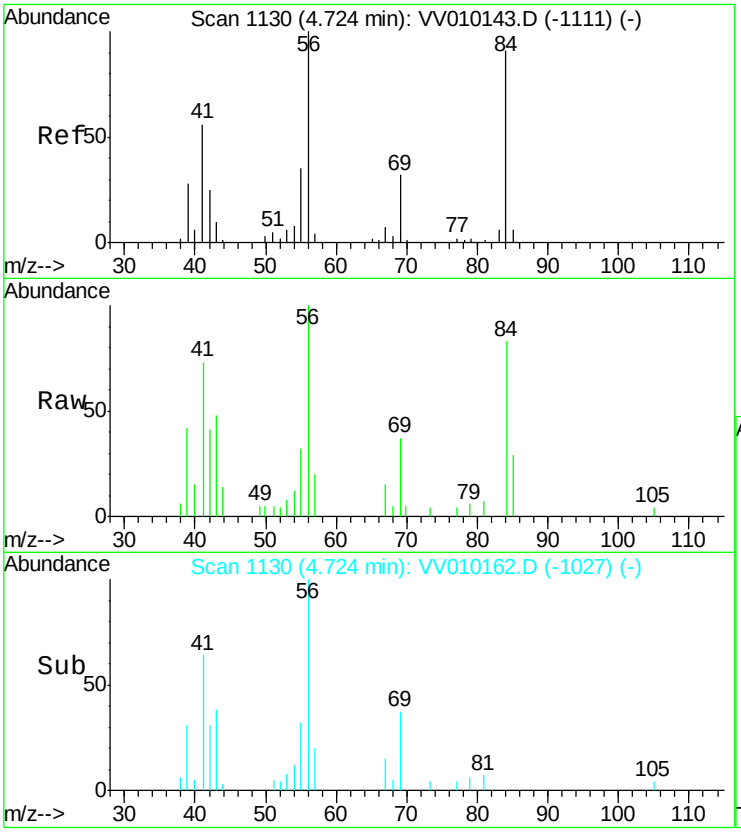


#21
2-Butanone
Concen: 5.005 ug/L
RT: 4.04 min Scan# 917
Delta R.T. 0.01 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Tgt Ion: 43 Resp: 4725

Ion	Ratio	Lower	Upper
43	100		
72	21.0	12.8	38.4



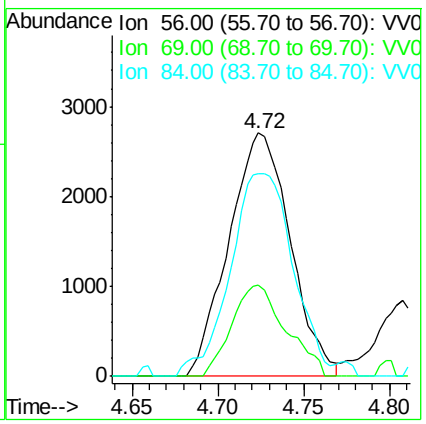


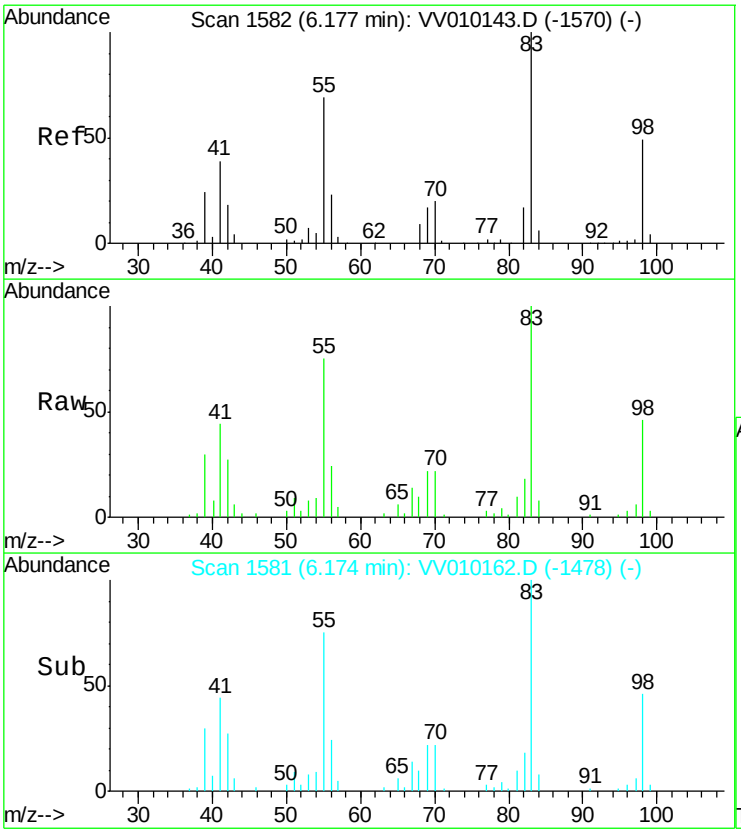
#30
Cyclohexane
Concen: 2.253 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Instrument : MSVOA_V
ClientSampleId : BF654RE

Tgt Ion: 56 Resp: 6723

Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.1	37.7
84	83.1	76.0	114.0

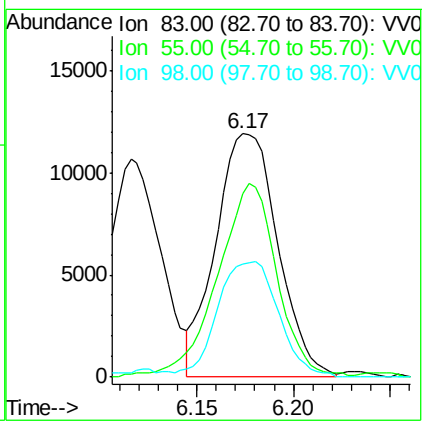


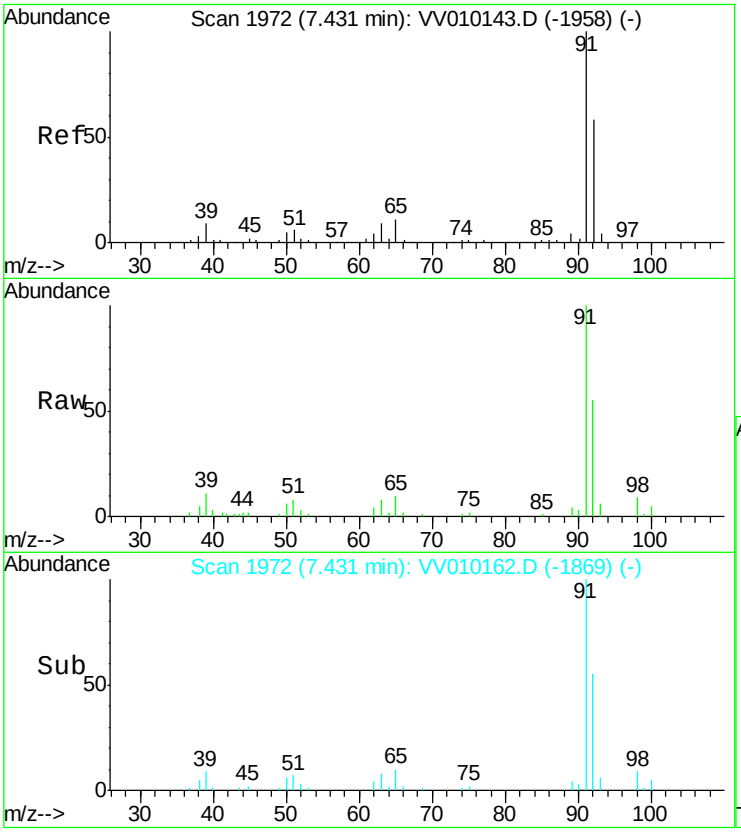


#36
Methylcyclohexane
Concen: 7.650 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Tgt Ion: 83 Resp: 26670

Ion	Ratio	Lower	Upper
83	100		
55	76.3	56.3	84.5
98	44.1	39.0	58.6



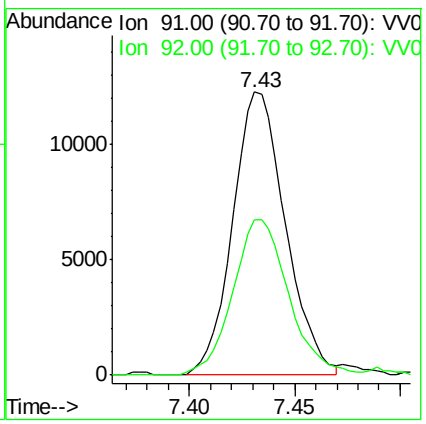


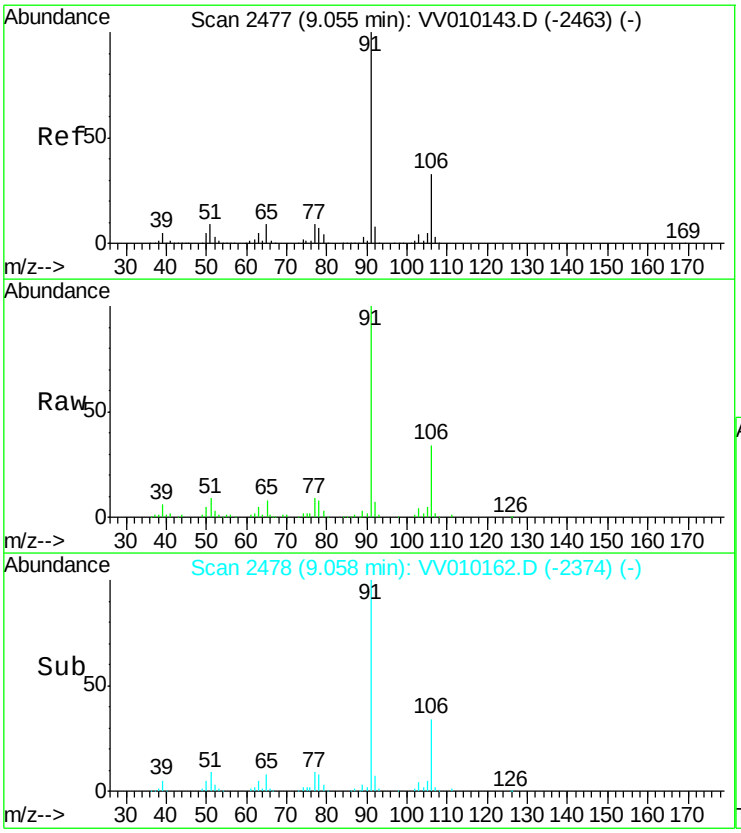
#44
Toluene
Concen: 2.351 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Instrument : MSVOA_V
ClientSampleId : BF654RE

Tgt Ion: 91 Resp: 21329

Ion	Ratio	Lower	Upper
91	100		
92	55.0	41.0	76.2

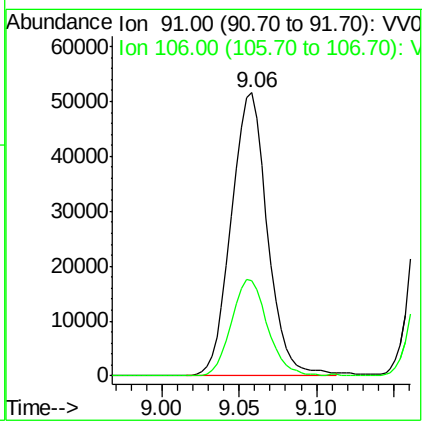


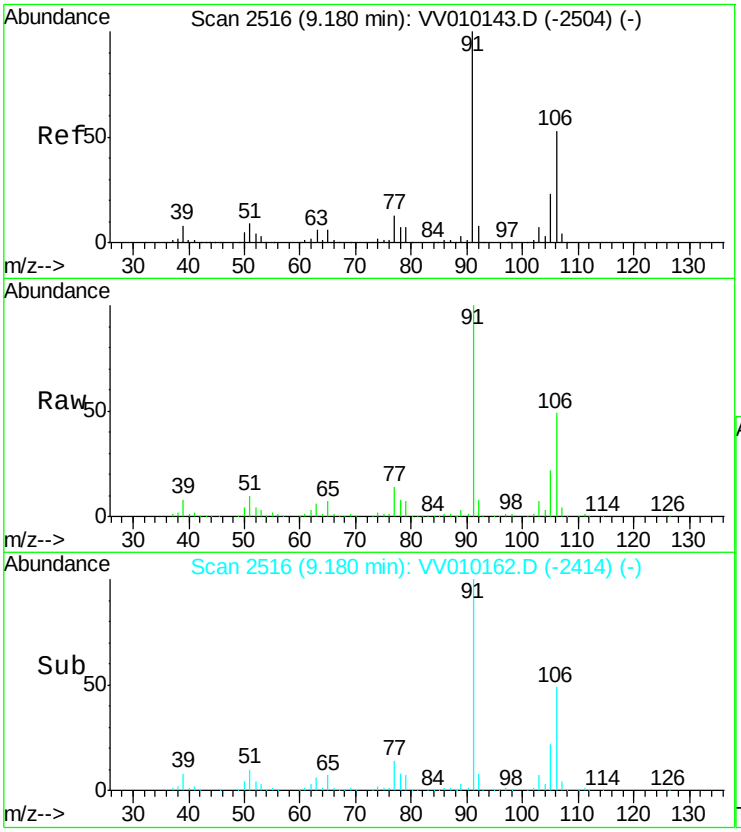


#53
Ethylbenzene
Concen: 8.431 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Tgt Ion: 91 Resp: 83891

Ion	Ratio	Lower	Upper
91	100		
106	33.7	23.1	42.9



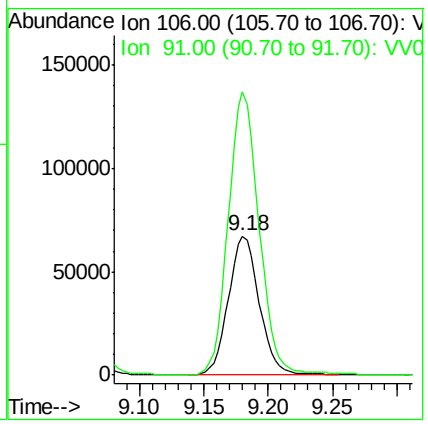


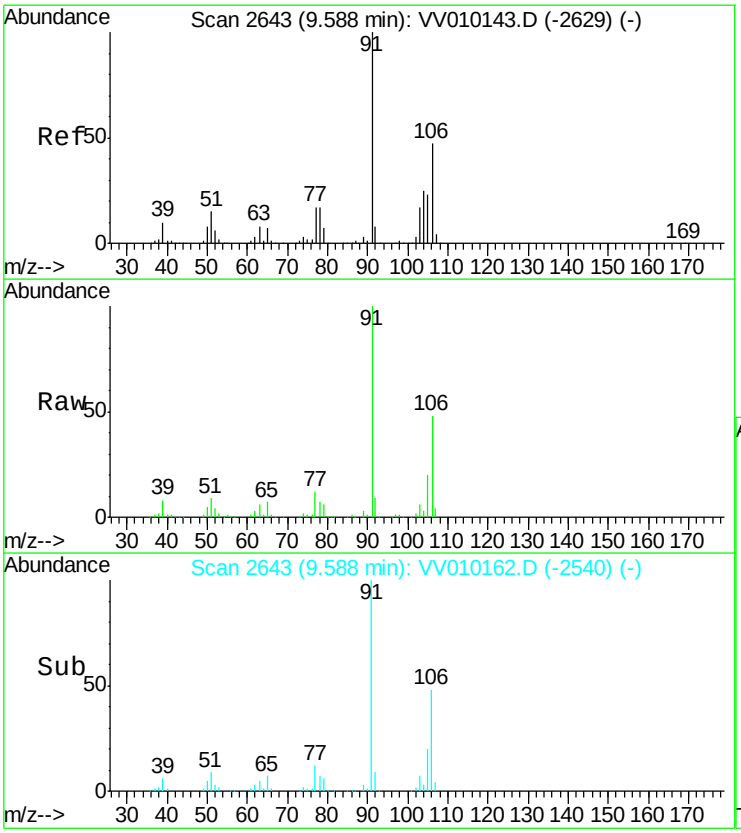
#54
m,p-Xylene
Concen: 29.053 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Instrument : MSVOA_V
ClientSampleId : BF654RE

Tgt Ion:106 Resp: 112513

Ion	Ratio	Lower	Upper
106	100		
91	203.6	139.3	258.7

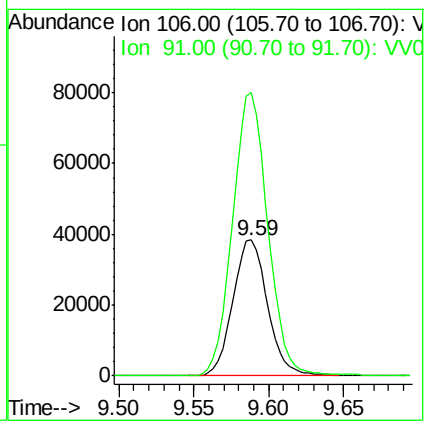


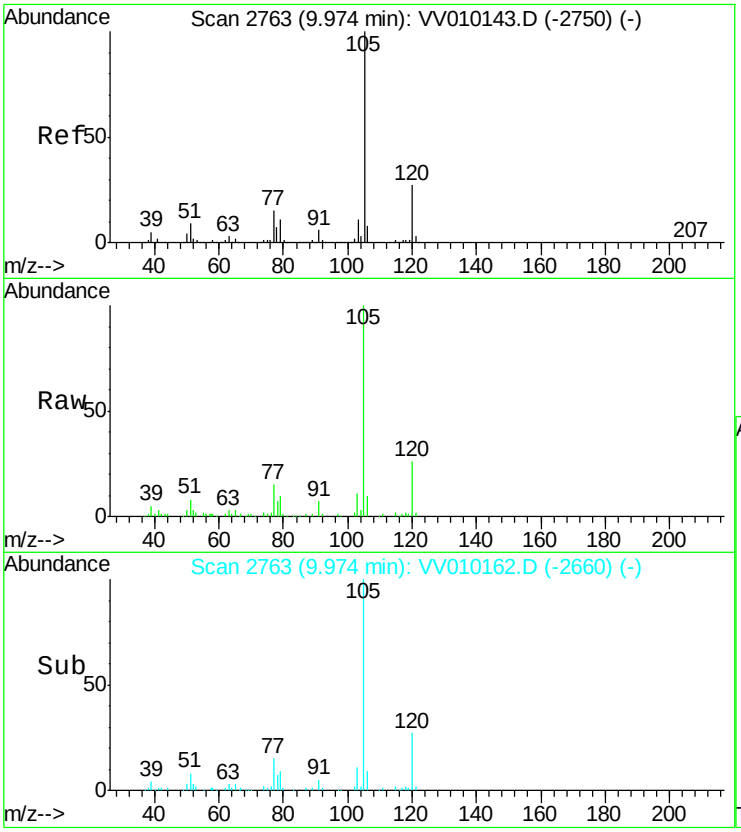


#55
o-xylene
Concen: 16.539 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Tgt Ion:106 Resp: 62053

Ion	Ratio	Lower	Upper
106	100		
91	208.2	150.4	279.2





#57
Isopropylbenzene
Concen: 5.232 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV010162.D
Acq: 06 Apr 2019 19:05

Instrument :
MSVOA_V
ClientSampleId :
BF654RE

Tgt Ion:105 Resp: 51771

Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.5	32.3
77	16.1	12.4	18.6