Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011520\
Data File : VW014650.D
Acq On : 15 Jan 2020 13:24
Operator : SY/VA
Sample : L1109-11
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GASH0

Manual Integrations APPROVED
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1/16/2020 5:41:19 PM

Quant Time: Jan 16 13:02:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 16 11:23:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	718031	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	607803	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	240519m	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	228955	22.62	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.48%			
7) Chloroethane-d5	2.89	69	178581	23.95	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.80%			
10) 1,1-Dichloroethene-d2	4.01	63	323489	17.47	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 69.88%			
20) 2-Butanone-d5	7.07	46	137863	57.24	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 114.48%			
24) Chloroform-d	7.65	84	416900	25.24	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.96%			
26) 1,2-Dichloroethane-d4	8.31	65	214447	25.02	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.08%			
29) Benzene-d6	8.27	84	887707	27.46	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 109.84%			
33) 1,2-Dichloropropane-d6	9.27	67	280044	28.82	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 115.28%			
37) Toluene-d8	10.32	98	785565	26.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 107.24%			
38) trans-1,3-Dichloropropene-	10.58	79	101929	25.39	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.56%			
39) 2-Hexanone-d5	10.92	63	102923	61.94	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.88%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	161251	22.10	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 88.40%			
61) 1,2-Dichlorobenzene-d4	13.85	152	197667	24.94	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.76%			
Target Compounds						Qvalue
13) Acetone	4.12	43	85451	25.624	ug/L	100
14) Carbon disulfide	4.38	76	8915	0.314	ug/L #	91
16) Methylene chloride	4.90	84	26729	2.283	ug/L	98
21) 2-Butanone	7.17	43	26403	7.379	ug/L	92
34) Benzene	8.31	78	31426822m	859.198	ug/L	
36) Methylcyclohexane	9.34	83	89265	5.390	ug/L	94
44) Toluene	10.37	91	33581360m	878.550	ug/L	
53) Ethylbenzene	11.73	91	17411359	414.293	ug/L #	77
54) m,p-Xylene	11.82	106	28726998m	1806.291	ug/L	
55) o-xylene	12.16	106	19936024m	1327.110	ug/L	
56) Styrene	12.18	104	9449774	373.744	ug/L	81
57) Isopropylbenzene	12.46	105	1128285	28.236	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
GASH0

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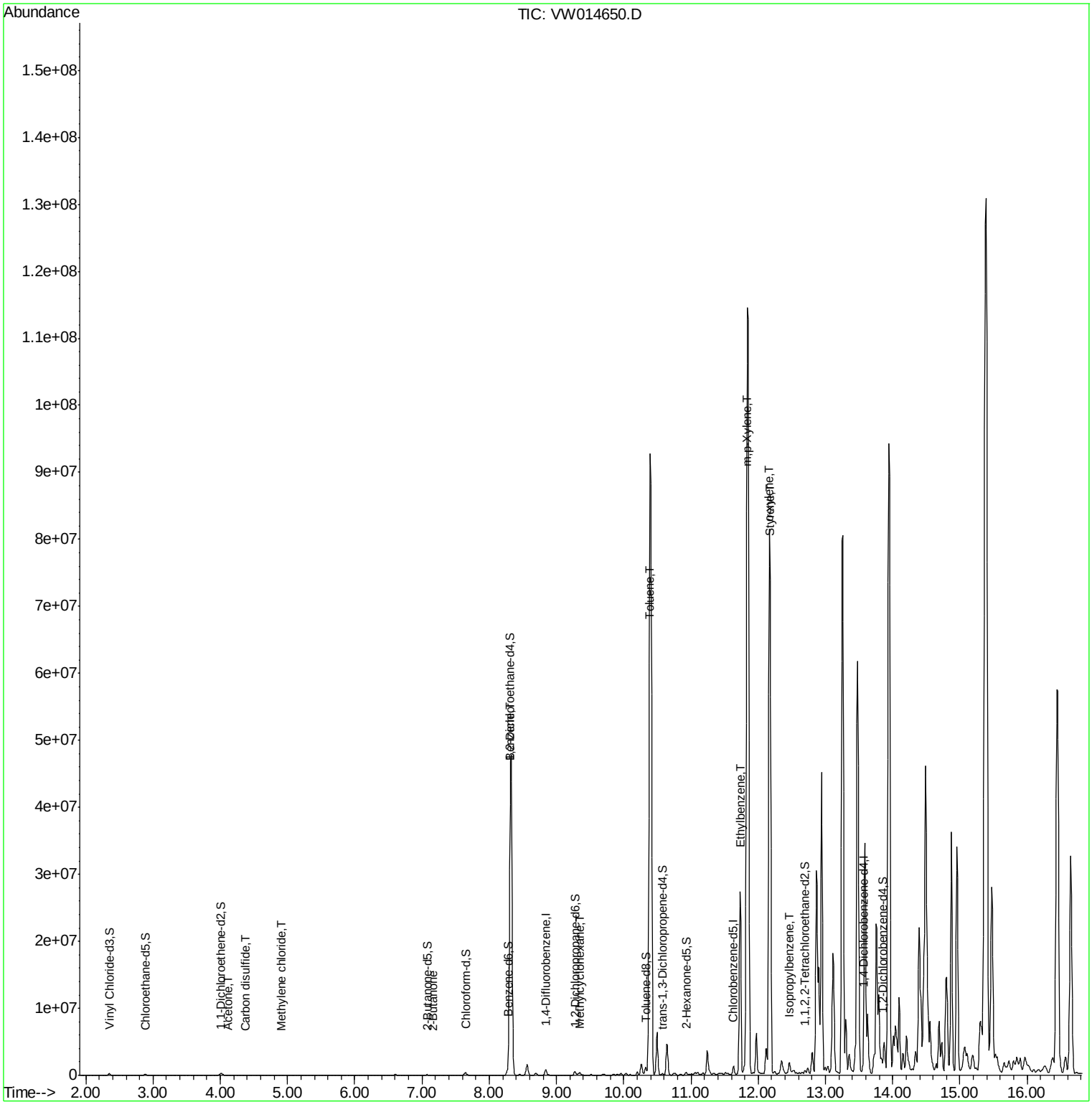

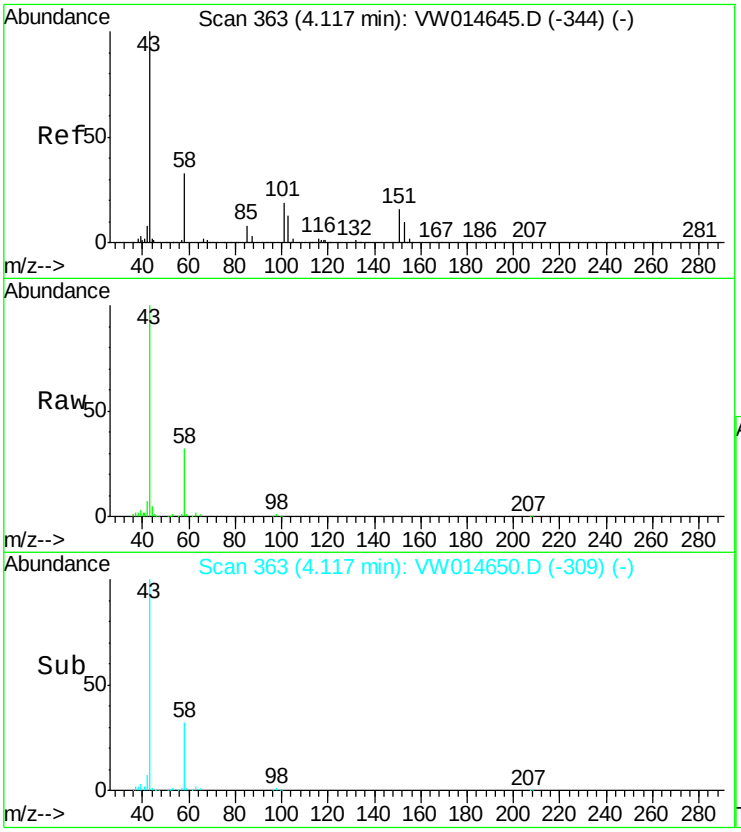

#13
Acetone
Concen: 25.624 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 43 Resp: 85451

Ion	Ratio	Lower	Upper
43	100		
58	32.3	0.0	64.0

Instrument :
MSVOA_W
ClientSampleId :
GASH0

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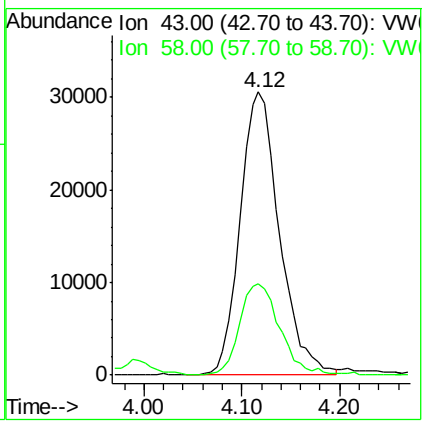
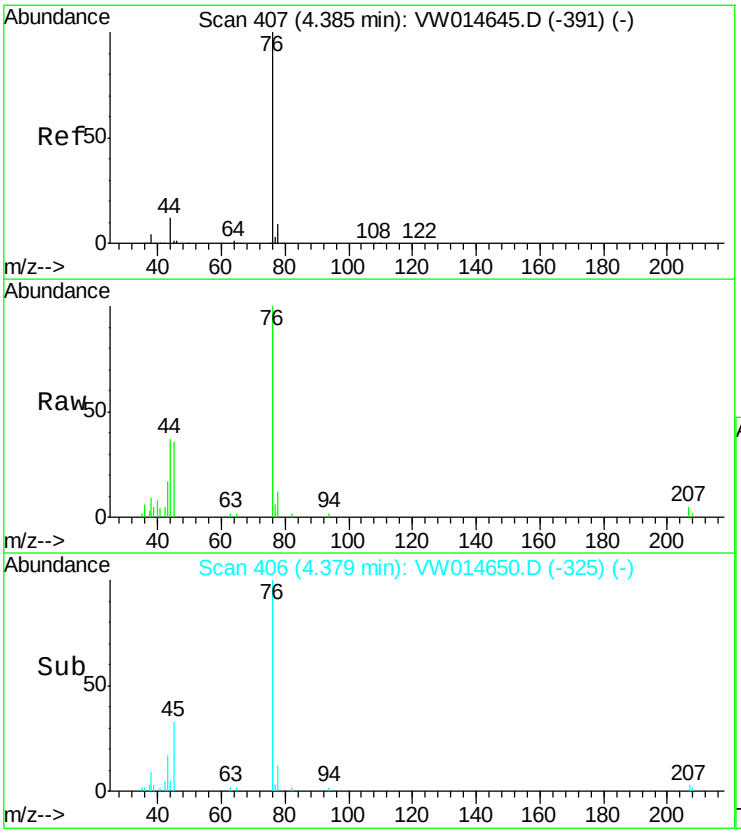
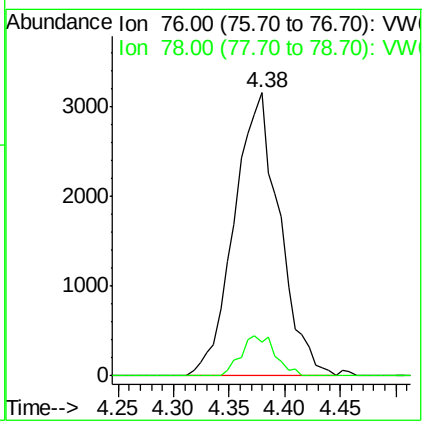


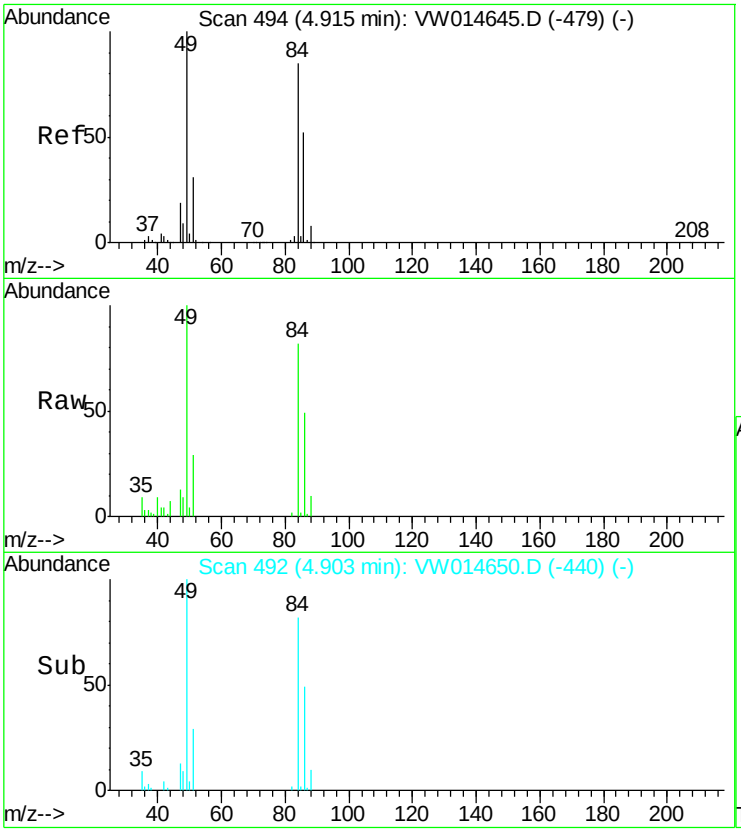


#14
Carbon disulfide
Concen: 0.314 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 76 Resp: 8915

Ion	Ratio	Lower	Upper
76	100		
78	11.8	6.9	10.3#

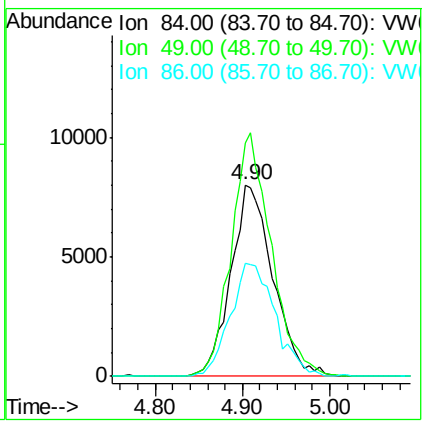




#16
Methylene chloride
Concen: 2.283 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 84 Resp: 26729

Ion	Ratio	Lower	Upper
84	100		
49	121.8	85.8	159.4
86	59.4	44.5	82.7



Instrument :
MSVOA_W
ClientSampleId :
GASH0

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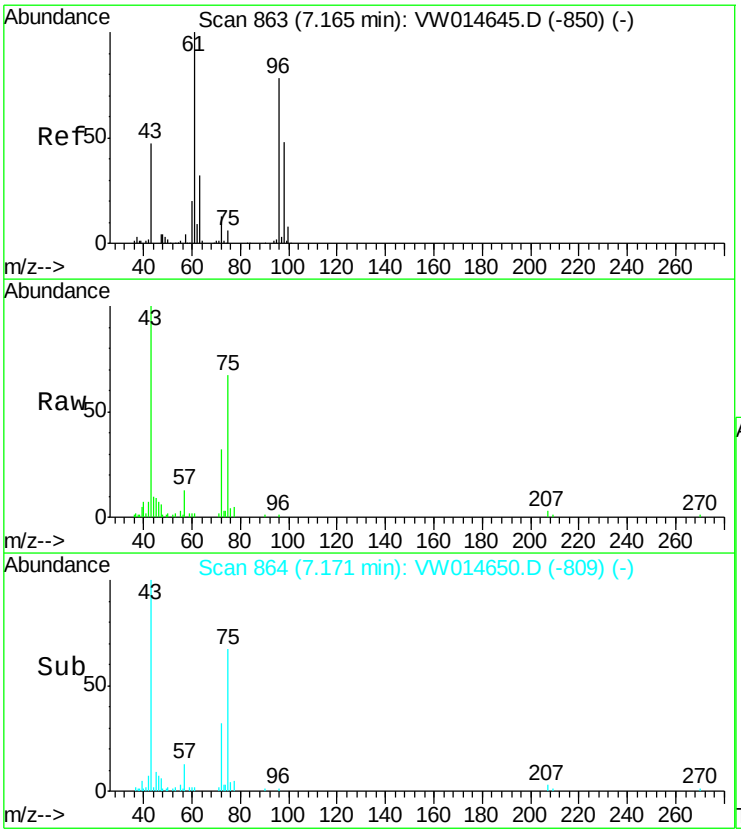
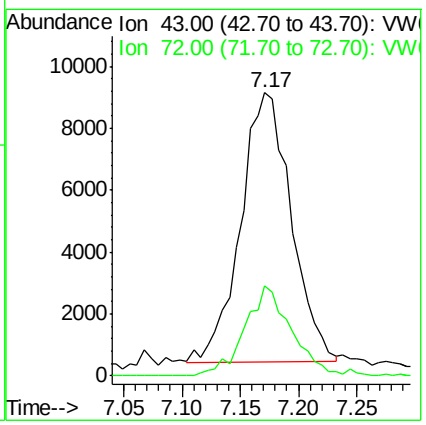
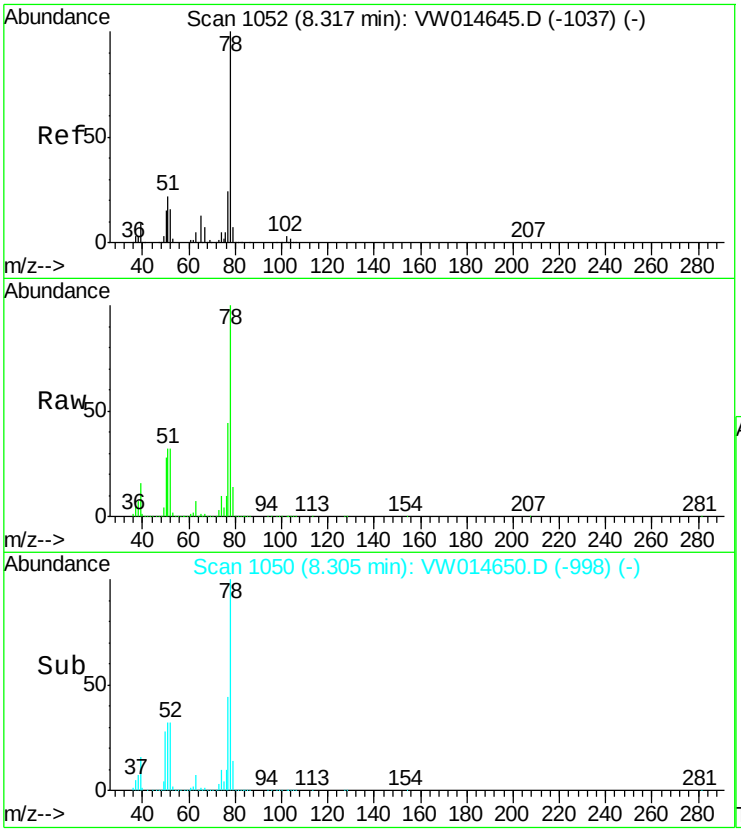


#21
2-Butanone
Concen: 7.379 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 43 Resp: 26403

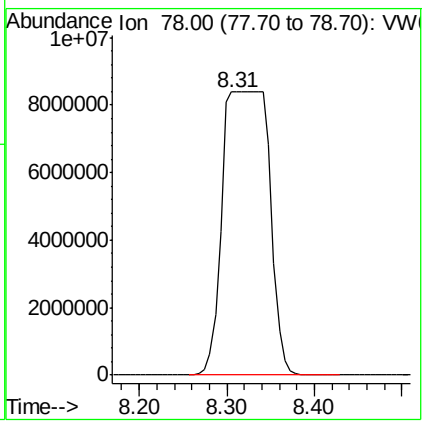
Ion	Ratio	Lower	Upper
43	100		
72	30.4	13.3	39.8





#34
Benzene
Concen: 859.198 ug/L m
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 78 Resp:31426822



Instrument :
MSVOA_W
ClientSampleId :
GASH0

Manual Integrations APPROVED
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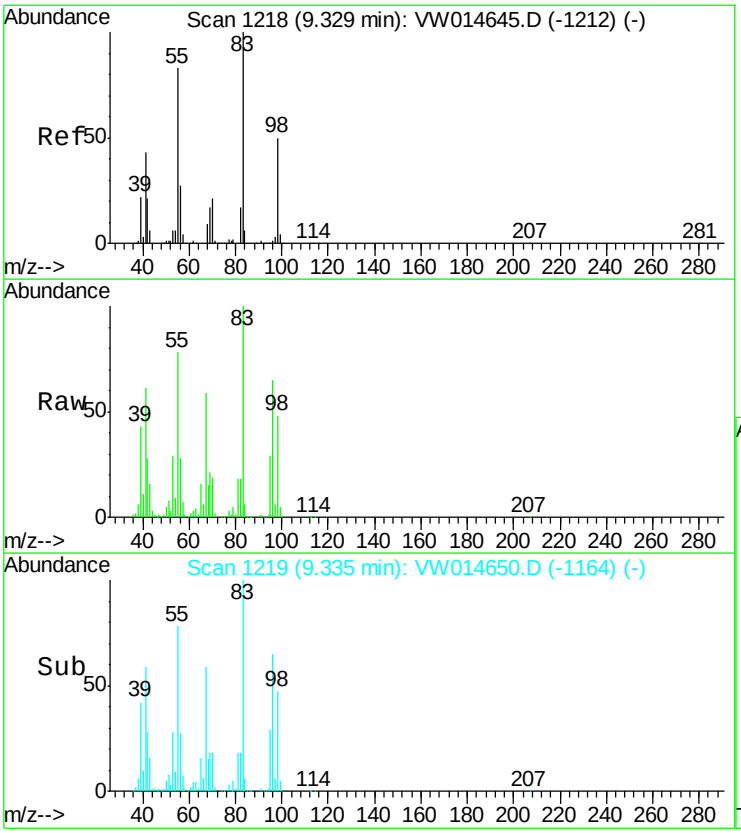
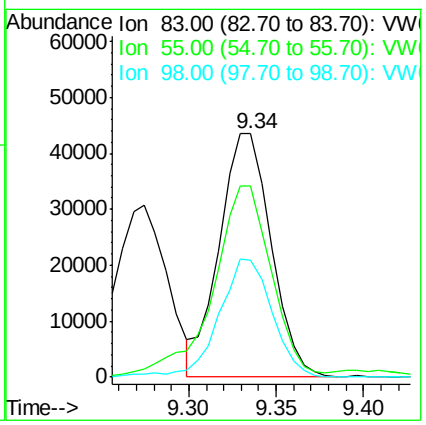
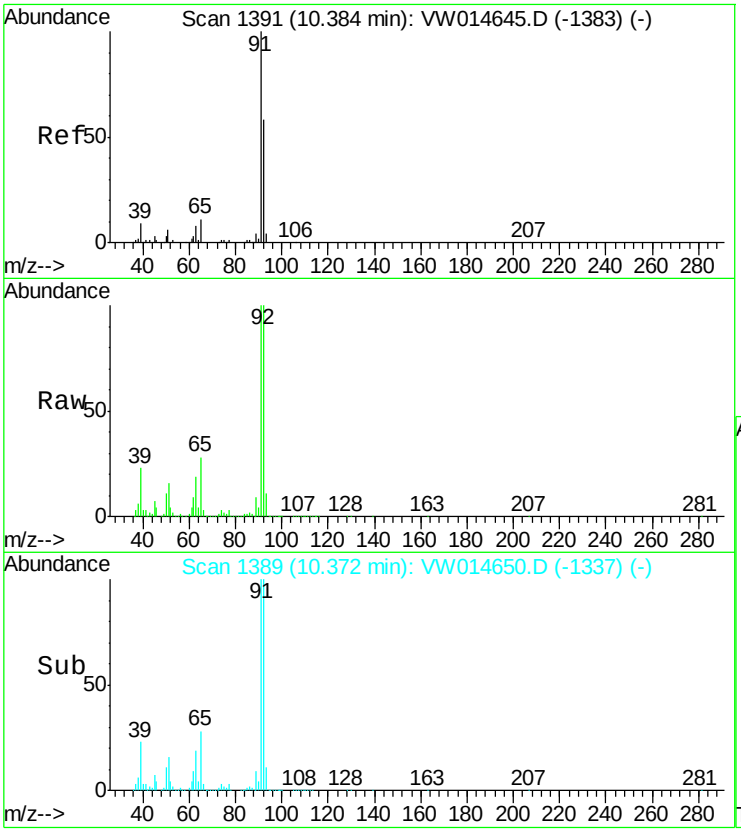


#36
Methylcyclohexane
Concen: 5.390 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 83 Resp: 89265

Ion	Ratio	Lower	Upper
83	100		
55	87.5	63.7	95.5
98	49.2	39.4	59.2





#44
Toluene
Concen: 878.550 ug/L m
RT: 10.37 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 91 Resp:33581360

Ion	Ratio	Lower	Upper
91	100		
92	100.0	40.2	74.6#

Instrument :
MSVOA_W
ClientSampleId :
GASH0

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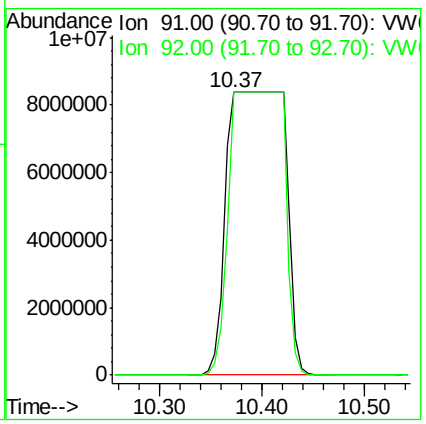
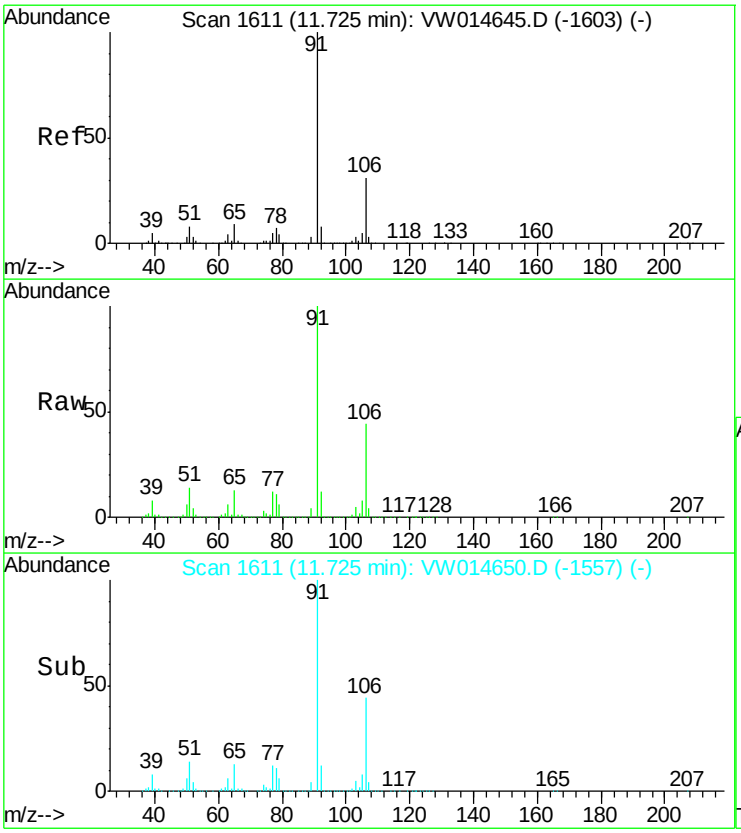
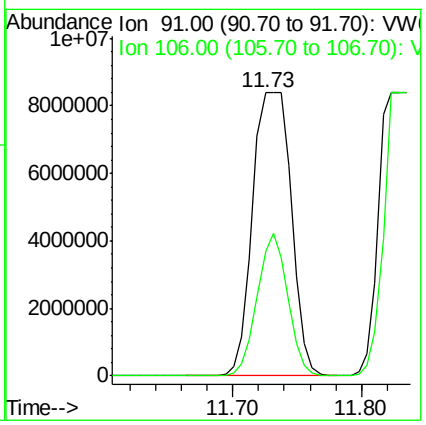


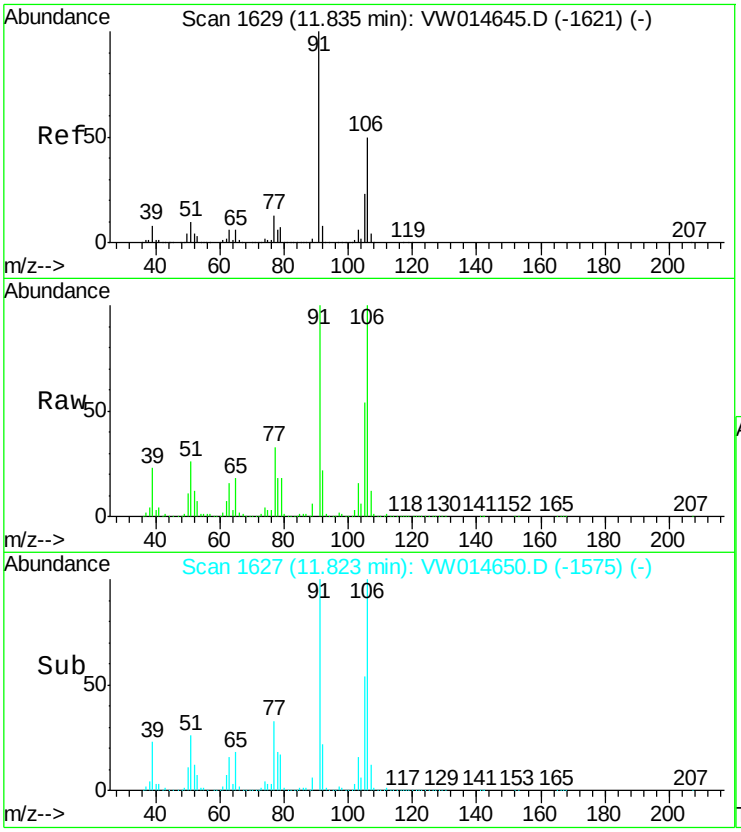


#53
Ethylbenzene
Concen: 414.293 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 91 Resp:17411359

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.8	40.6#





#54
m,p-Xylene
Concen: 1806.291 ug/L m
RT: 11.82 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion:106 Resp:28726998

Ion	Ratio	Lower	Upper
106	100		
91	100.0	142.2	264.0#

Instrument :
MSVOA_W
ClientSampleId :
GASH0

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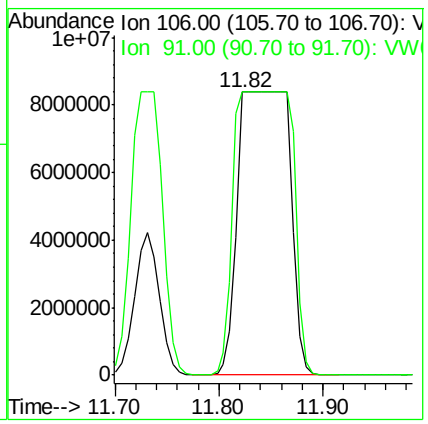
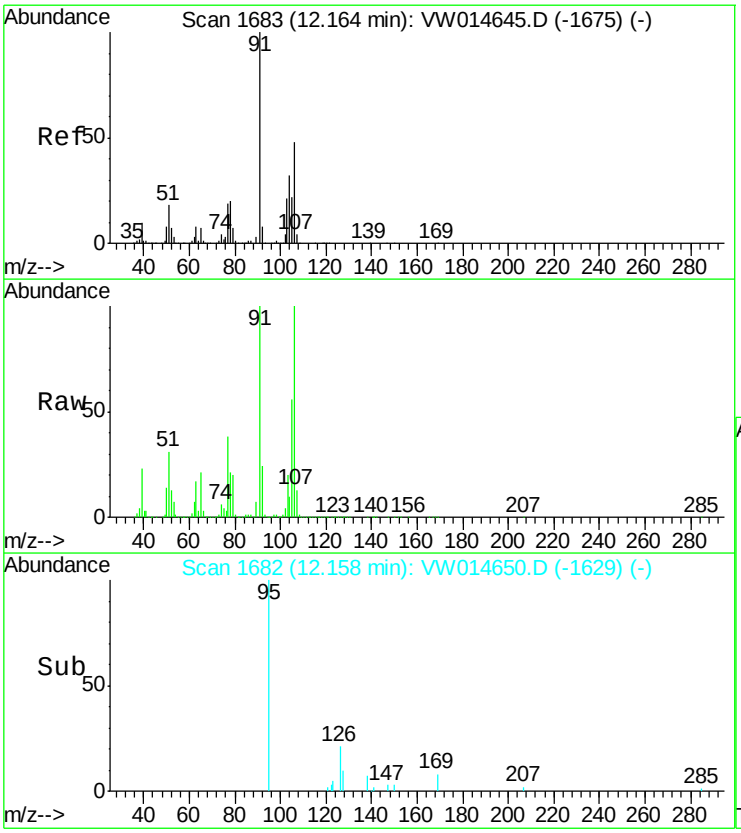
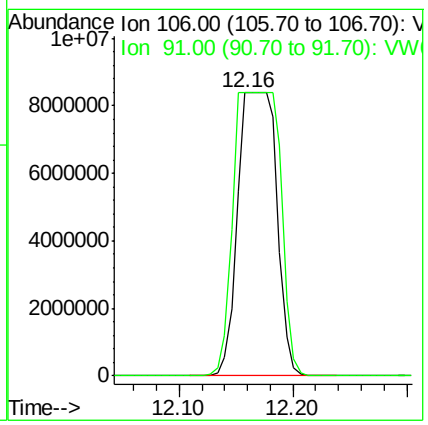


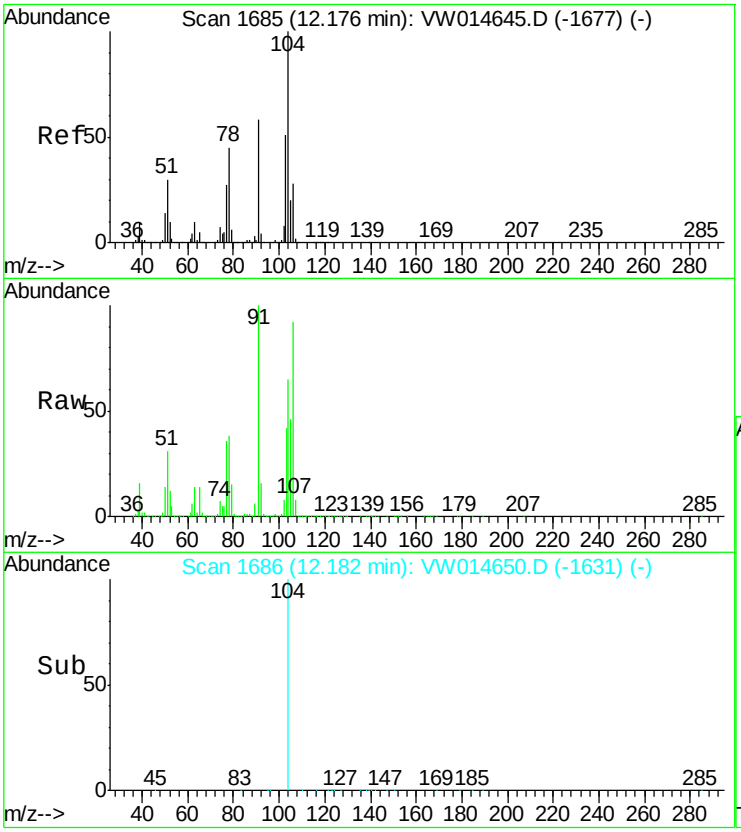


#55
o-xylene
Concen: 1327.110 ug/L m
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion:106 Resp:19936024

Ion	Ratio	Lower	Upper
106	100		
91	100.0	148.7	276.1#





#56
Stvrene
Concen: 373.744 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion:104 Resp: 9449774

Ion	Ratio	Lower	Upper
104	100		
78	59.0	32.3	60.1

Instrument :
MSVOA_W
ClientSampleId :
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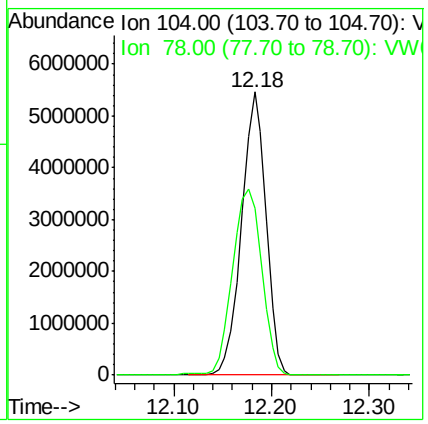

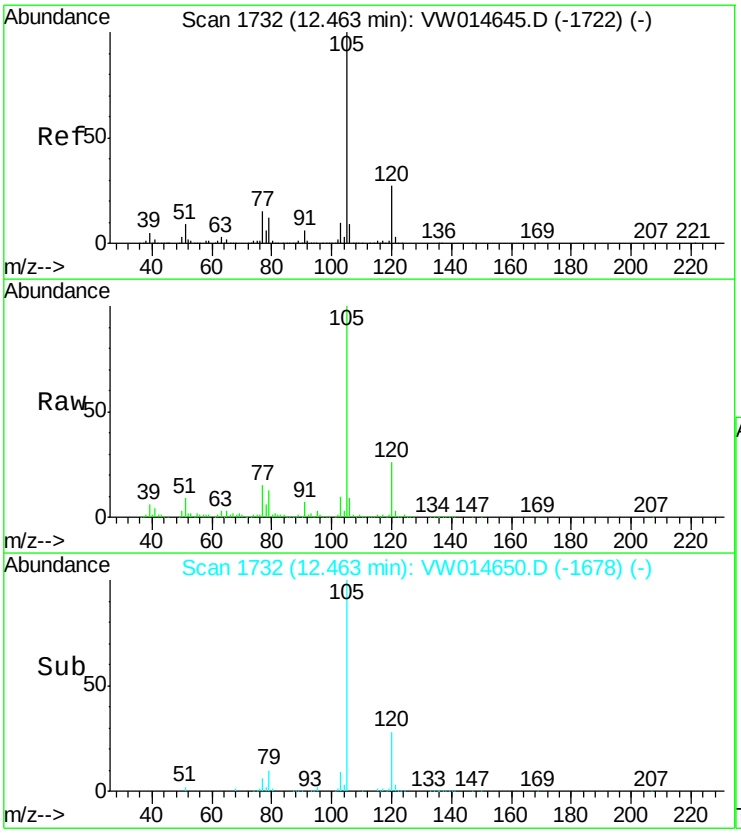

#57
Isopropylbenzene
Concen: 28.236 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion:105 Resp: 1128285

Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.0	31.6
77	16.0	12.2	18.2