Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Manual Integrations APPROVED
MMDadoda
12/16/2020 12:35:42 PM

Quant Time: Dec 15 03:51:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 15 03:40:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	282942	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	235941	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	83448	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	103569	26.82	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.28%			
7) Chloroethane-d5	2.77	69	77812	27.03	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.12%			
10) 1,1-Dichloroethene-d2	3.86	63	155997	19.23	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.92%			
20) 2-Butanone-d5	6.90	46	58920	35.02	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 70.04%			
24) Chloroform-d	7.49	84	183654	24.99	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.96%			
26) 1,2-Dichloroethane-d4	8.15	65	96025	23.11	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.44%			
29) Benzene-d6	8.12	84	389378	28.51	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 114.04%			
33) 1,2-Dichloropropane-d6	9.12	67	117784	27.70	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 110.80%			
37) Toluene-d8	10.18	98	324943	26.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 105.16%			
38) trans-1,3-Dichloropropene-	10.44	79	51452	24.82	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.28%			
39) 2-Hexanone-d5	10.79	63	45813	39.07	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.14%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	77318	20.80	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 83.20%			
61) 1,2-Dichlorobenzene-d4	13.72	152	77229	25.77	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.08%			
Target Compounds						Qvalue
13) Acetone	3.95	43	4613m	3.976	ug/L	
14) Carbon disulfide	4.21	76	3269	0.238	ug/L	97
16) Methylene chloride	4.73	84	6179	1.216	ug/L	95
44) Toluene	10.25	91	19161	1.202	ug/L	99
53) Ethylbenzene	11.59	91	3489	0.200	ug/L	96
54) m,p-Xylene	11.70	106	4785	0.712	ug/L	95
55) o-xylene	12.03	106	5015	0.795	ug/L	95
57) Isopropylbenzene	12.32	105	6041	0.359	ug/L #	85

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

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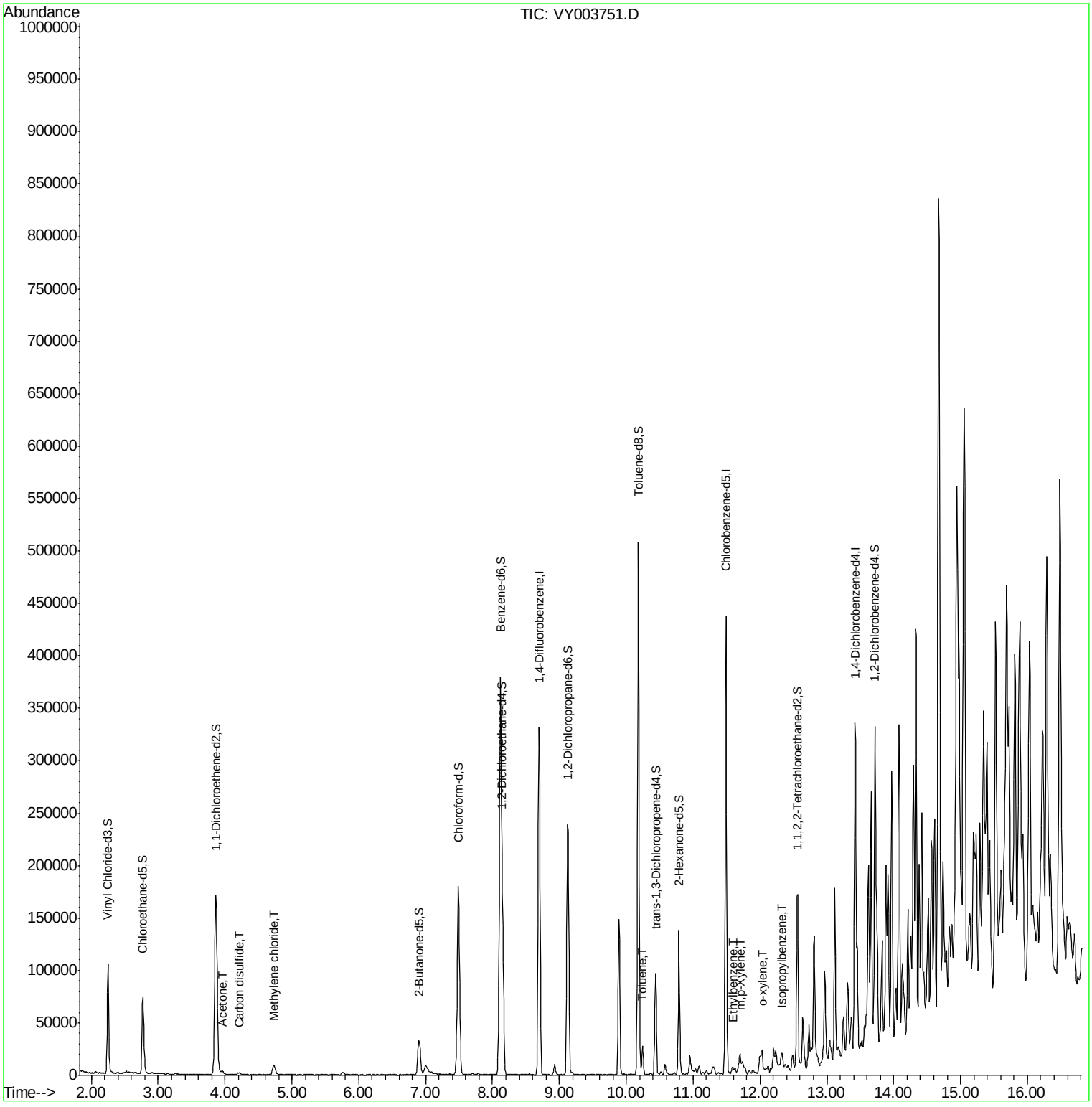
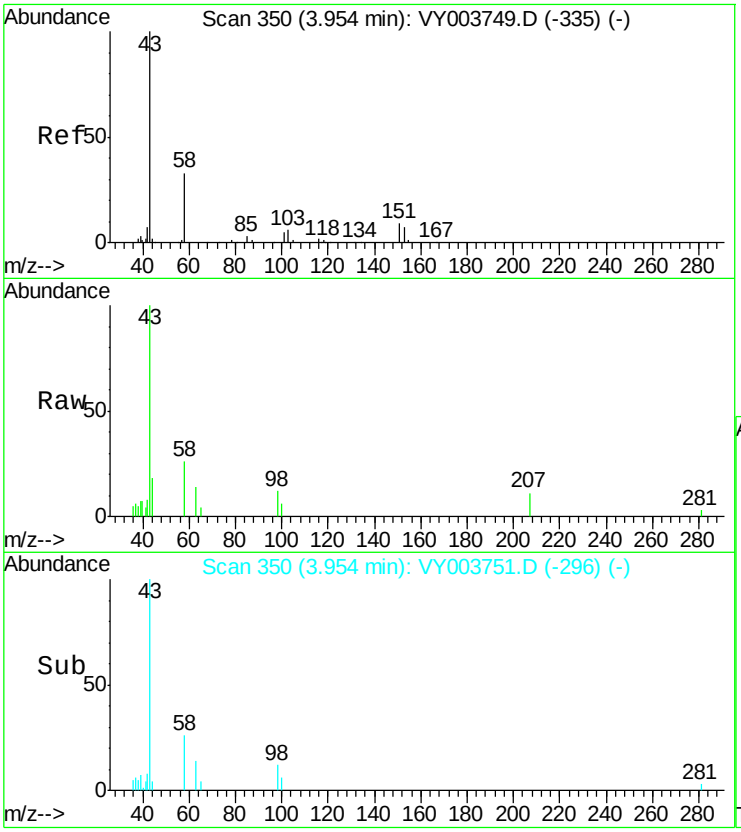
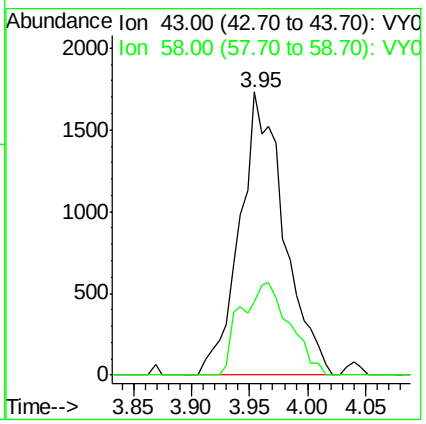




#13
Acetone
Concen: 3.976 ug/L m
RT: 3.95 min Scan# 350
Delta R.T. -0.00 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion: 43 Resp: 4613

Ion	Ratio	Lower	Upper
43	100		
58	26.3	0.0	65.4



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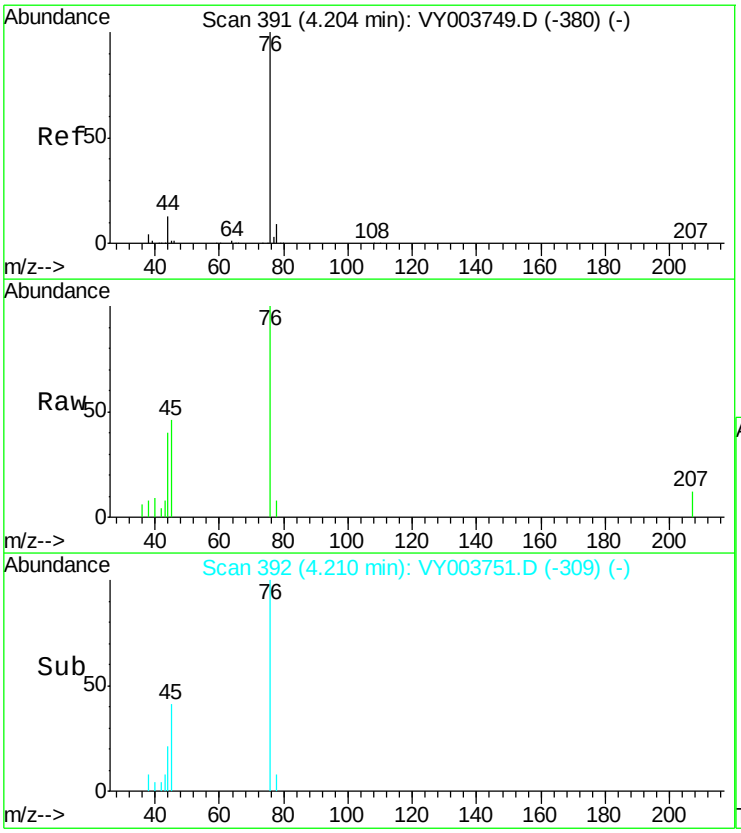
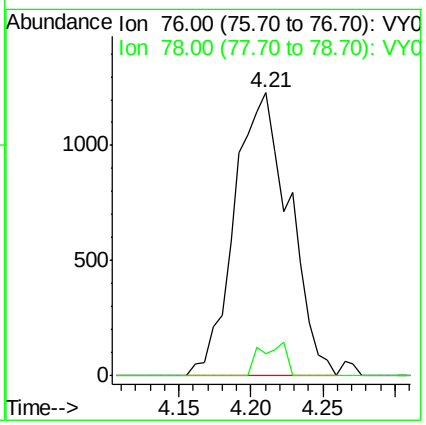
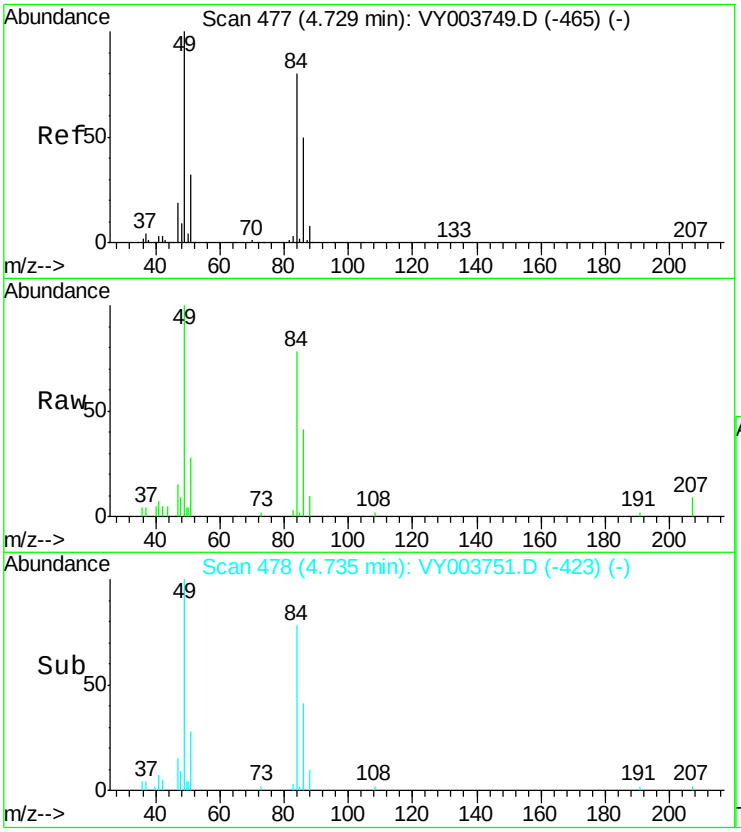


#14
Carbon disulfide
Concen: 0.238 ug/L
RT: 4.21 min Scan# 392
Delta R.T. 0.01 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion: 76 Resp: 3269

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.0	10.6

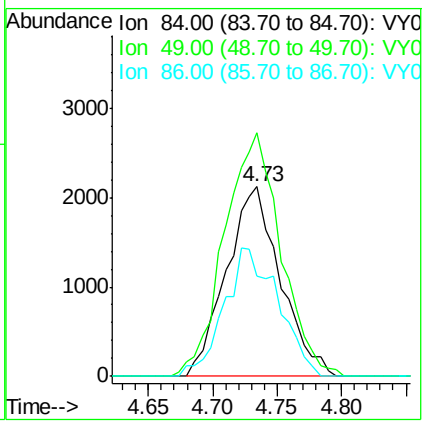




#16
Methylene chloride
Concen: 1.216 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion: 84 Resp: 6179

Ion	Ratio	Lower	Upper
84	100		
49	128.7	88.2	163.8
86	53.0	43.0	79.8



Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Manual Integrations APPROVED
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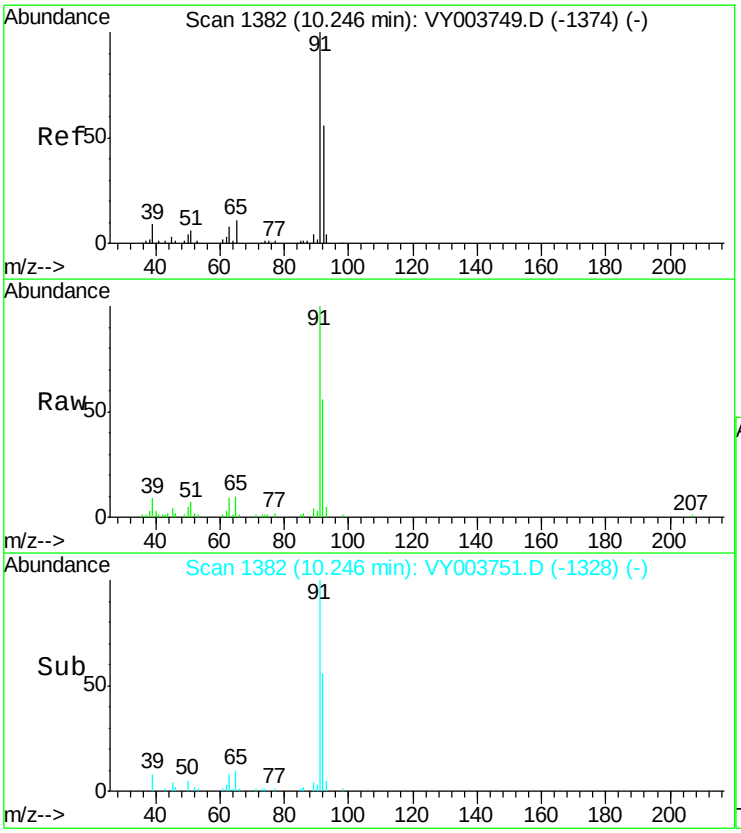
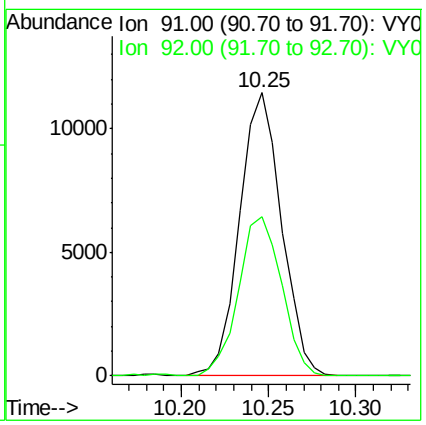
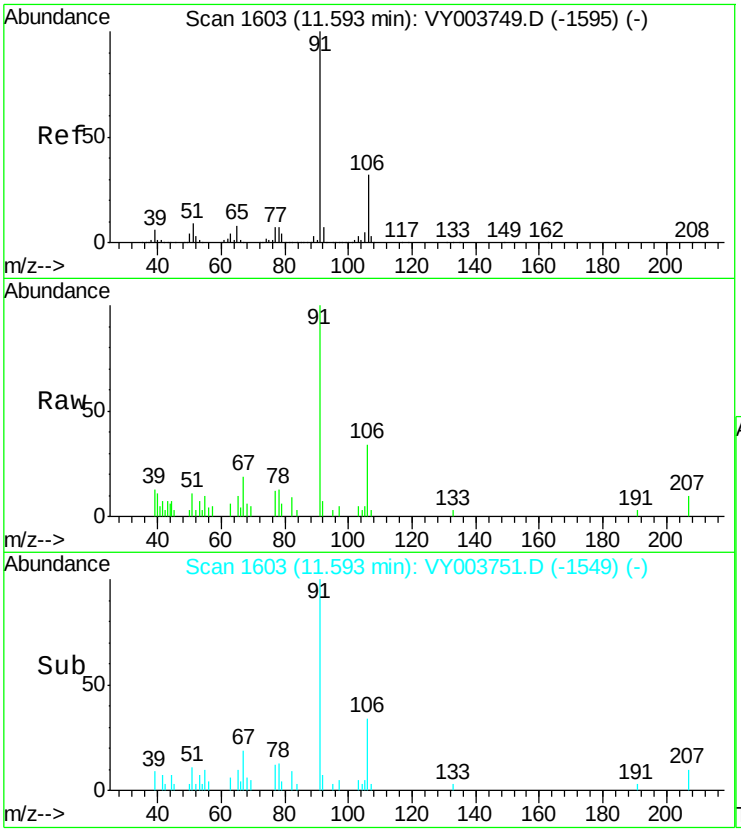


#44
Toluene
Concen: 1.202 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion: 91 Resp: 19161

Ion	Ratio	Lower	Upper
91	100		
92	56.2	39.9	74.1

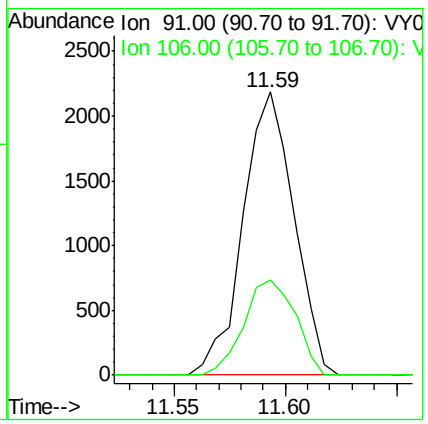




#53
Ethylbenzene
Concen: 0.200 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion: 91 Resp: 3489

Ion	Ratio	Lower	Upper
91	100		
106	33.7	22.0	41.0



Instrument :
MSVOA_Y
ClientSampleId :
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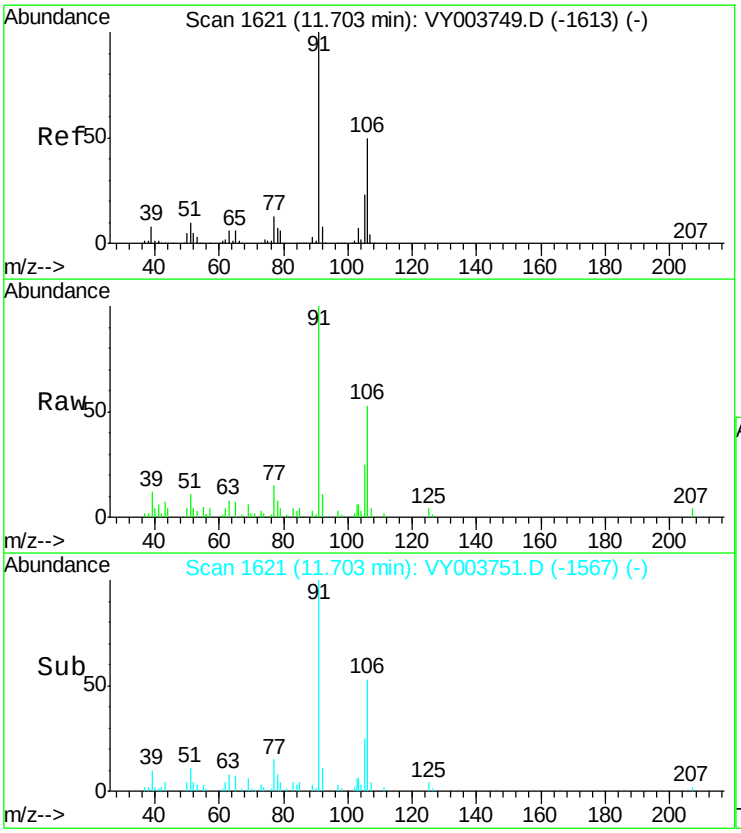
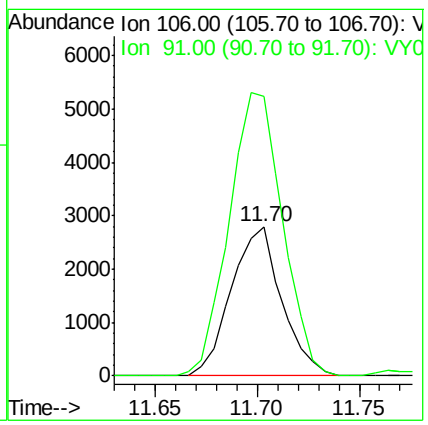
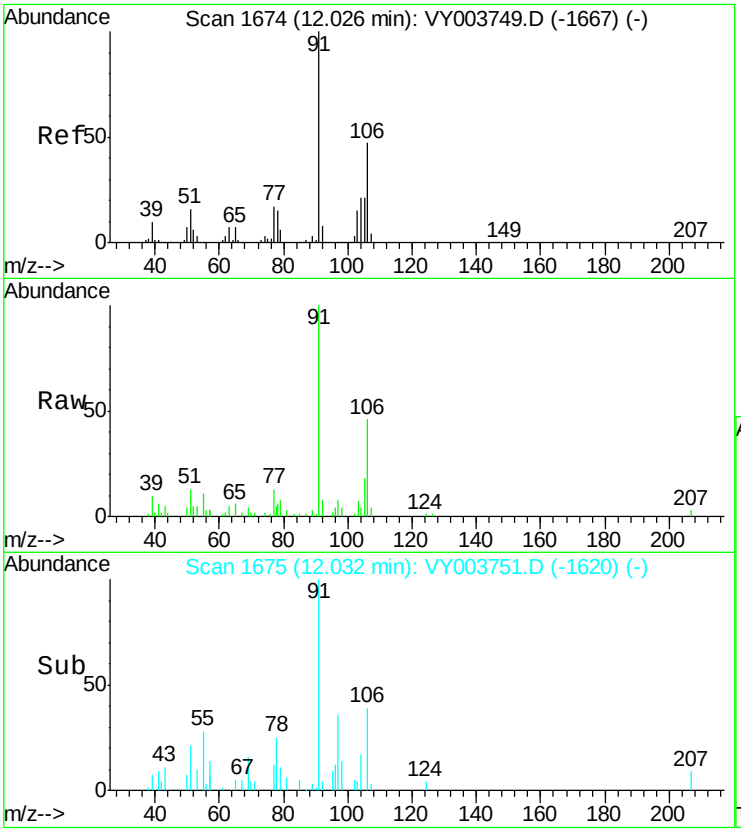


#54
m,p-Xylene
Concen: 0.712 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion:106 Resp: 4785

Ion	Ratio	Lower	Upper
106	100		
91	187.8	136.4	253.4





#55
o-xylene
Concen: 0.795 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion:106 Resp: 5015

Ion	Ratio	Lower	Upper
106	100		
91	215.8	145.5	270.1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

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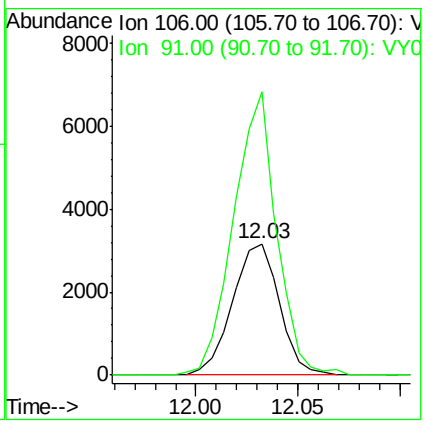

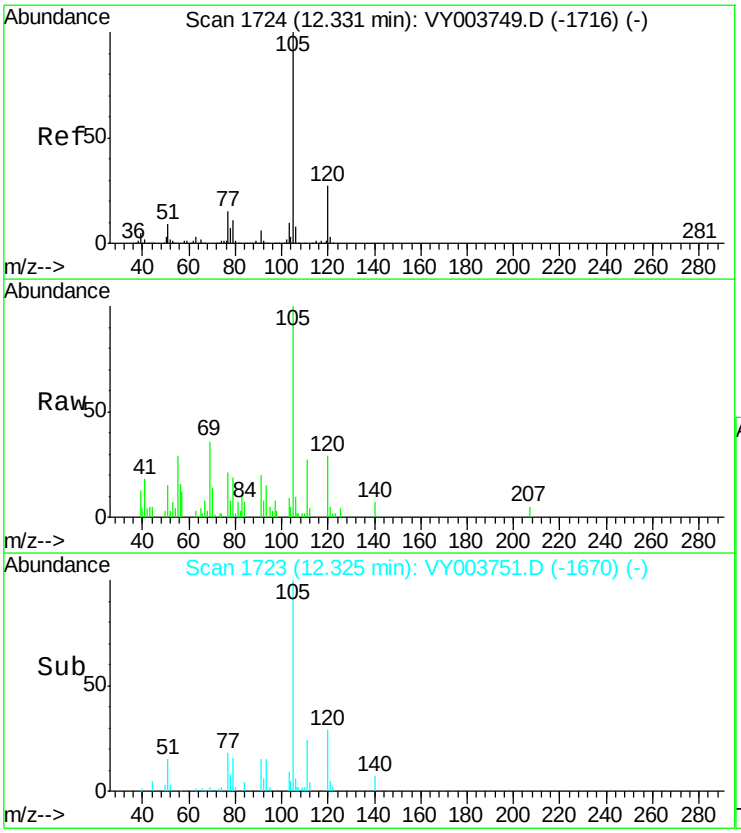

#57
Isopropylbenzene
Concen: 0.359 ug/L
RT: 12.32 min Scan# 1723
Delta R.T. -0.01 min
Lab File: VY003751.D
Acq: 14 Dec 2020 16:32

Tgt Ion:105 Resp: 6041

Ion	Ratio	Lower	Upper
105	100		
120	24.9	22.1	33.1
77	28.5	12.2	18.4#